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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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LAB CHRONICLE

OrderID:	Q3078	**OrderDate:**	9/11/2025 10:27:00 AM
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
Q3078-01	**250910074-01-VOA**	**Water**			**09/10/25**			**09/11/25**
			VOCMS Group1	624.1			09/12/25	
			VOCMS Group2	8260-Low			09/11/25	
Q3078-01DL	**250910074-01-VOADL**	**Water**			**09/10/25**			**09/11/25**
			VOCMS Group2	8260-Low			09/11/25	
Q3078-02	**250910064-01-TRIP-BLANK**	**Water**			**09/10/25**			**09/11/25**
			VOCMS Group1	624.1			09/12/25	
			VOCMS Group2	8260-Low			09/11/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3078

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**250910074-01-VOA**								
Q3078-01	250910074-01-VOA	Water	Acetone		1100	E	1.50	5.00	ug/L
Q3078-01	250910074-01-VOA	Water	Carbon Disulfide		2.70		0.21	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	Methyl tert-butyl Ether		1.70		0.16	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	Methyl Acetate		2.40		0.27	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	2-Butanone		1300	E	0.98	5.00	ug/L
Q3078-01	250910074-01-VOA	Water	Benzene		3.30	Q	0.15	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	4-Methyl-2-Pentanone		13.4		0.68	5.00	ug/L
Q3078-01	250910074-01-VOA	Water	Toluene		7.30		0.14	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	Ethyl Benzene		6.70	Q	0.13	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	m/p-Xylenes		6.30	Q	0.24	2.00	ug/L
Q3078-01	250910074-01-VOA	Water	o-Xylene		3.70	Q	0.12	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	1,4-Dichlorobenzene		3.80		0.19	1.00	ug/L
			Total Voc :		2450				
Q3078-01	250910074-01-VOA	Water	Methanethiol	*	23.7	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	2-Pentanone	*	8.70	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	(+)-2-Bornanone	*	78.9	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	2-Butanethiol	*	85.0	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	3-Pentanone, 2,4-dimethyl-	*	10.3	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	Fenchone	*	52.7	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	unknown15.353	*	18.1	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	Bicyclo[3.1.1]heptan-3-one, 2,(	*	6.70	J	0	0	ug/L
Q3078-01	250910074-01-VOA	Water	Tetrahydrofuran	*	420	J	0.99	5.00	ug/L
Q3078-01	250910074-01-VOA	Water	Tert butyl alcohol	*	4500	J	5.50	25.0	ug/L
Q3078-01	250910074-01-VOA	Water	Diethyl Ether	*	6.20	J	0.31	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	1,2,4-Trimethylbenzene	*	2.40	J	0.14	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	p-Isopropyltoluene	*	2.30	J	0.13	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	Naphthalene	*	20.7	J	0.20	1.00	ug/L
Q3078-01	250910074-01-VOA	Water	1,4-Dioxane	*	76.6	J	6.90	100	ug/L
			Total Tics :		5310				
			Total Concentration:		7760				
Client ID:	**250910074-01-VOADL**								
Q3078-01DL	250910074-01-VOA	Water	Acetone		1100	D	15.1	50.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	Carbon Disulfide		8.10	JD	2.10	10.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	2-Butanone		1300	D	9.80	50.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	Benzene		4.20	JDQ	1.50	10.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	4-Methyl-2-Pentanone		12.3	JD	6.80	50.0	ug/L

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Hit Summary Sheet
SW-846

SDG No.: Q3078

Client: Garden State Laboratories, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3078-01DL	250910074-01-VOA	Water	Toluene	7.70	JD	1.40	10.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	Ethyl Benzene	7.10	JDQ	1.30	10.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	m/p-Xylenes	6.20	JDQ	2.40	20.0	ug/L
Q3078-01DL	250910074-01-VOA	Water	o-Xylene	3.30	JDQ	1.20	10.0	ug/L
			Total Voc :	2450				
			Total Concentration:	2450				

QC SUMMARY

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Surrogate Summary

SDG No.: Q3078

Client: Garden State Laboratories, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3078-01	250910074-01-VOA	1,2-Dichloroethane-d4	50	49.4	99		74	125
		Dibromofluoromethane	50	50.9	102		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	48.0	96		77	121
Q3078-01DL	250910074-01-VOADL	1,2-Dichloroethane-d4	50	51.1	102		74	125
		Dibromofluoromethane	50	51.1	102		75	124
		Toluene-d8	50	47.2	94		86	113
		4-Bromofluorobenzene	50	45.4	91		77	121
Q3078-02	250910064-01-TRIP-BLANK	1,2-Dichloroethane-d4	50	51.2	102		74	125
		Dibromofluoromethane	50	51.1	102		75	124
		Toluene-d8	50	48.1	96		86	113
		4-Bromofluorobenzene	50	43.9	88		77	121
VN0911WBL01	VN0911WBL01	1,2-Dichloroethane-d4	50	55.0	110		74	125
		Dibromofluoromethane	50	51.9	104		75	124
		Toluene-d8	50	47.4	95		86	113
		4-Bromofluorobenzene	50	45.7	91		77	121
VN0911WBS01	VN0911WBS01	1,2-Dichloroethane-d4	50	45.4	91		74	125
		Dibromofluoromethane	50	49.4	99		75	124
		Toluene-d8	50	47.8	96		86	113
		4-Bromofluorobenzene	50	48.4	97		77	121
VN0911WBSD0	VN0911WBSD01	1,2-Dichloroethane-d4	50	42.7	85		74	125
		Dibromofluoromethane	50	49.4	99		75	124
		Toluene-d8	50	47.1	94		86	113
		4-Bromofluorobenzene	50	47.5	95		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3078 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VN087795.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBS01	Dichlorodifluoromethane	20	21.9	ug/L	110			69	116	
	Chloromethane	20	24.5	ug/L	123		*	65	116	
	Vinyl chloride	20	22.2	ug/L	111			65	117	
	Bromomethane	20	25.9	ug/L	130		*	58	125	
	Chloroethane	20	21.1	ug/L	106			56	128	
	Trichlorofluoromethane	20	22.4	ug/L	112			73	115	
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108			80	112	
	1,1-Dichloroethene	20	21.4	ug/L	107			74	110	
	Acetone	100	96.0	ug/L	96			60	125	
	Carbon disulfide	20	22.3	ug/L	112			64	112	
	Methyl tert-butyl Ether	20	20.6	ug/L	103			78	114	
	Methyl Acetate	20	20.3	ug/L	102			67	125	
	Methylene Chloride	20	22.6	ug/L	113			72	114	
	trans-1,2-Dichloroethene	20	21.5	ug/L	108			75	108	
	1,1-Dichloroethane	20	20.9	ug/L	104			78	112	
	Cyclohexane	20	21.2	ug/L	106			75	110	
	2-Butanone	100	100	ug/L	100			65	122	
	Carbon Tetrachloride	20	22.5	ug/L	113			77	113	
	cis-1,2-Dichloroethene	20	21.0	ug/L	105			77	110	
	Bromochloromethane	20	20.6	ug/L	103			70	124	
	Chloroform	20	21.6	ug/L	108			79	113	
	1,1,1-Trichloroethane	20	21.3	ug/L	106			80	108	
	Methylcyclohexane	20	21.1	ug/L	106			72	115	
	Benzene	20	22.2	ug/L	111		*	82	109	
	1,2-Dichloroethane	20	21.5	ug/L	108			80	115	
	Trichloroethene	20	21.9	ug/L	110			77	113	
	1,2-Dichloropropane	20	21.4	ug/L	107			83	111	
	Bromodichloromethane	20	22.4	ug/L	112		*	83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.4	ug/L	107			82	110	
	t-1,3-Dichloropropene	20	22.2	ug/L	111		*	79	110	
	cis-1,3-Dichloropropene	20	22.5	ug/L	113		*	82	110	
	1,1,2-Trichloroethane	20	22.5	ug/L	113		*	83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	22.2	ug/L	111		*	82	110	
	1,2-Dibromoethane	20	21.9	ug/L	110			81	110	
	Tetrachloroethene	20	22.0	ug/L	110			67	123	
	Chlorobenzene	20	22.5	ug/L	113		*	82	109	
	Ethyl Benzene	20	21.6	ug/L	108			83	109	
	m/p-Xylenes	40	45.0	ug/L	113		*	82	110	
	o-Xylene	20	21.8	ug/L	109			83	109	
	Styrene	20	22.8	ug/L	114		*	80	111	
	Bromoform	20	24.3	ug/L	121		*	79	109	
	Isopropylbenzene	20	20.5	ug/L	103			83	112	
	1,1,2,2-Tetrachloroethane	20	22.1	ug/L	111			76	118	
	1,3-Dichlorobenzene	20	21.9	ug/L	110		*	82	108	
	1,4-Dichlorobenzene	20	21.3	ug/L	106			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.: Q3078 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VN087795.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBS01	1,2-Dibromo-3-Chloropropane	20	19.9	ug/L	100			68	112	
	1,2,4-Trichlorobenzene	20	21.5	ug/L	108			75	113	
	1,2,3-Trichlorobenzene	20	21.6	ug/L	108			76	114	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3078 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VN087796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBSD01	Dichlorodifluoromethane	20	22.3	ug/L	112	2		69	116	19
	Chloromethane	20	22.2	ug/L	111	10		65	116	21
	Vinyl chloride	20	21.8	ug/L	109	2		65	117	19
	Bromomethane	20	24.0	ug/L	120	8		58	125	20
	Chloroethane	20	20.2	ug/L	101	5		56	128	20
	Trichlorofluoromethane	20	22.8	ug/L	114	2		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	22.0	ug/L	110	2		80	112	15
	1,1-Dichloroethene	20	21.3	ug/L	106	1		74	110	20
	Acetone	100	88.8	ug/L	89	8		60	125	20
	Carbon disulfide	20	21.7	ug/L	109	3		64	112	20
	Methyl tert-butyl Ether	20	19.6	ug/L	98	5		78	114	20
	Methyl Acetate	20	19.0	ug/L	95	7		67	125	20
	Methylene Chloride	20	20.5	ug/L	103	9		72	114	20
	trans-1,2-Dichloroethene	20	20.0	ug/L	100	8		75	108	16
	1,1-Dichloroethane	20	19.5	ug/L	98	6		78	112	20
	Cyclohexane	20	21.0	ug/L	105	1		75	110	20
	2-Butanone	100	97.3	ug/L	97	3		65	122	26
	Carbon Tetrachloride	20	23.7	ug/L	119	5	*	77	113	15
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	8		77	110	20
	Bromochloromethane	20	19.4	ug/L	97	6		70	124	20
	Chloroform	20	20.4	ug/L	102	6		79	113	20
	1,1,1-Trichloroethane	20	20.6	ug/L	103	3		80	108	20
	Methylcyclohexane	20	23.4	ug/L	117	10	*	72	115	20
	Benzene	20	22.0	ug/L	110	1	*	82	109	15
	1,2-Dichloroethane	20	21.3	ug/L	106	2		80	115	20
	Trichloroethene	20	22.4	ug/L	112	2		77	113	15
	1,2-Dichloropropane	20	20.7	ug/L	104	3		83	111	16
	Bromodichloromethane	20	22.2	ug/L	111	1	*	83	110	16
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		74	118	25
	Toluene	20	22.0	ug/L	110	3		82	110	16
	t-1,3-Dichloropropene	20	21.4	ug/L	107	4		79	110	20
	cis-1,3-Dichloropropene	20	21.4	ug/L	107	5		82	110	16
	1,1,2-Trichloroethane	20	22.4	ug/L	112	1		83	112	20
	2-Hexanone	100	110	ug/L	110	0		73	117	25
	Dibromochloromethane	20	22.1	ug/L	111	0	*	82	110	20
	1,2-Dibromoethane	20	22.1	ug/L	111	1	*	81	110	20
	Tetrachloroethene	20	22.9	ug/L	115	4		67	123	15
	Chlorobenzene	20	21.9	ug/L	110	3	*	82	109	15
	Ethyl Benzene	20	22.3	ug/L	112	4	*	83	109	16
	m/p-Xylenes	40	46.3	ug/L	116	3	*	82	110	15
	o-Xylene	20	22.1	ug/L	111	2	*	83	109	20
	Styrene	20	22.6	ug/L	113	1	*	80	111	17
	Bromoform	20	24.1	ug/L	121	0	*	79	109	20
	Isopropylbenzene	20	20.8	ug/L	104	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	21.4	ug/L	107	4		76	118	20
	1,3-Dichlorobenzene	20	21.4	ug/L	107	3		82	108	20
	1,4-Dichlorobenzene	20	20.7	ug/L	104	2		82	107	15
	1,2-Dichlorobenzene	20	21.9	ug/L	110	0	*	82	109	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3078 **Analytical Method:** SW8260-Low

Client: Garden State Laboratories, Inc. **Datafile :** VN087796.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0911WBSD01	1,2-Dibromo-3-Chloropropane	20	19.8	ug/L	99	1		68	112	20
	1,2,4-Trichlorobenzene	20	20.7	ug/L	104	4		75	113	29
	1,2,3-Trichlorobenzene	20	21.6	ug/L	108	0		76	114	29

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0911WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3078

Lab File ID: VN087794.D Lab Sample ID: VN0911WBL01

Date Analyzed: 09/11/2025 Time Analyzed: 13:45

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
VN0911WBS01	VN0911WBS01	VN087795.D	09/11/2025
VN0911WBSD01	VN0911WBSD01	VN087796.D	09/11/2025
250910074-01-VOA	Q3078-01	VN087797.D	09/11/2025
250910064-01-TRIP-BLANK	Q3078-02	VN087799.D	09/11/2025
250910074-01-VOADL	Q3078-01DL	VN087807.D	09/11/2025

COMMENTS:

Raw Data: **VN087614.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q3078
Lab File ID: VN087614.D
BFB Injection Date: 08/21/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:30
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	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

Alliance TECHNICAL GROUP

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GARD04

Lab Code: ACE | SDG NO.: Q3078

Lab File ID: VN087791.D | BFB Injection Date: 09/11/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:53

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.4
75	30.0 - 60.0% of mass 95	56.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.4
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	71.1 (99.5) 1
177	5.0 - 9.0% of mass 176	5.3 (7.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087792.D	09/11/2025	12:49
VN0911WBL01	VN0911WBL01	VN087794.D	09/11/2025	13:45
VN0911WBS01	VN0911WBS01	VN087795.D	09/11/2025	14:21
VN0911WBSD01	VN0911WBSD01	VN087796.D	09/11/2025	14:42
250910074-01-VOA	Q3078-01	VN087797.D	09/11/2025	15:03
250910064-01-TRIP-BLANK	Q3078-02	VN087799.D	09/11/2025	15:45
250910074-01-VOADL	Q3078-01DL	VN087807.D	09/11/2025	18:32

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3078

Lab File ID: VN087792.D Date Analyzed: 09/11/2025

Instrument ID: MSVOA_N Time Analyzed: 12:49

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	284150	8.21	535670	9.08	504865	11.85
UPPER LIMIT	568300	8.706	1071340	9.582	1009730	12.347
LOWER LIMIT	142075	7.706	267835	8.582	252433	11.347
EPA SAMPLE NO.						
250910074-01-VOA	209108	8.21	464981	9.08	450268	11.84
250910074-01-VOADL	176010	8.21	395199	9.08	377973	11.85
250910064-01-TRIP-BLANK	174645	8.21	403546	9.08	384181	11.85
VN0911WBL01	217125	8.21	505649	9.08	478608	11.84
VN0911WBS01	264571	8.21	504460	9.08	466377	11.84
VN0911WBSD01	284367	8.21	516573	9.08	469236	11.84

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3078

Lab File ID: VN087792.D Date Analyzed: 09/11/2025

Instrument ID: MSVOA_N Time Analyzed: 12:49

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

	IS4 AREA #	RT #				
12 HOUR STD	262340	13.77				
UPPER LIMIT	524680	14.27				
LOWER LIMIT	131170	13.27				
EPA SAMPLE NO.						
250910074-01-VOA	215998	13.77				
250910074-01-VOADL	182604	13.77				
250910064-01-TRIP-BLANK	178191	13.77				
VN0911WBL01	224924	13.77				
VN0911WBS01	243902	13.77				
VN0911WBSD01	252435	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN087797.D**

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Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOA	SDG No.:	Q3078
Lab Sample ID:	Q3078-01	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:	Date Analyzed	Prep Batch ID
VN087797.D	1	09/11/25 15:03	VN091125

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	UQ	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	UQ	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	1100	E	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	2.70		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	1.70		0.16	1.00	ug/L
79-20-9	Methyl Acetate	2.40		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	1300	E	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	UQ	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	UQ	0.16	1.00	ug/L
71-43-2	Benzene	3.30	Q	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	UQ	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	13.4		0.68	5.00	ug/L
108-88-3	Toluene	7.30		0.14	1.00	ug/L

Raw Data: **VN087797.D**

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Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOA	SDG No.:	Q3078
Lab Sample ID:	Q3078-01	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:	Date Analyzed	Prep Batch ID
VN087797.D	1	09/11/25 15:03	VN091125

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	UQ	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	6.70	Q	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	6.30	Q	0.24	2.00	ug/L
95-47-6	o-Xylene	3.70	Q	0.12	1.00	ug/L
100-42-5	Styrene	0.15	UQ	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	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	UQ	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	3.80		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	49.4		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	209000	8.206			
540-36-3	1,4-Difluorobenzene	465000	9.083			
3114-55-4	Chlorobenzene-d5	450000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	216000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

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Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOA	SDG No.:	Q3078
Lab Sample ID:	Q3078-01	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:	Date Analyzed	Prep Batch ID
VN087797.D	1	09/11/25 15:03	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000074-93-1	Methanethiol	23.7	J		2.86	ug/L
60-29-7	Diethyl Ether	6.20	J		3.96	ug/L
75-65-0	Tert butyl alcohol	4500	J		5.52	ug/L
109-99-9	Tetrahydrofuran	420	J		7.82	ug/L
000513-53-1	2-Butanethiol	85.0	J		8.65	ug/L
000107-87-9	2-Pentanone	8.70	J		9.51	ug/L
123-91-1	1,4-Dioxane	76.6	J		9.68	ug/L
000565-80-0	3-Pentanone, 2,4-dimethyl-	10.3	J		11.2	ug/L
95-63-6	1,2,4-Trimethylbenzene	2.40	J		13.5	ug/L
99-87-6	p-Isopropyltoluene	2.30	J		13.7	ug/L
001195-79-5	Fenchone	52.7	J		14.7	ug/L
000464-49-3	(+)-2-Bornanone	78.9	J		15.3	ug/L
006004-60-0	unknown15.353	18.1	J		15.4	ug/L
91-20-3	Naphthalene	20.7	J		15.6	ug/L
015358-88-0	Bicyclo[3.1.1]heptan-3-one, 2,6,6-	6.70	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\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Time: Sep 12 04:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

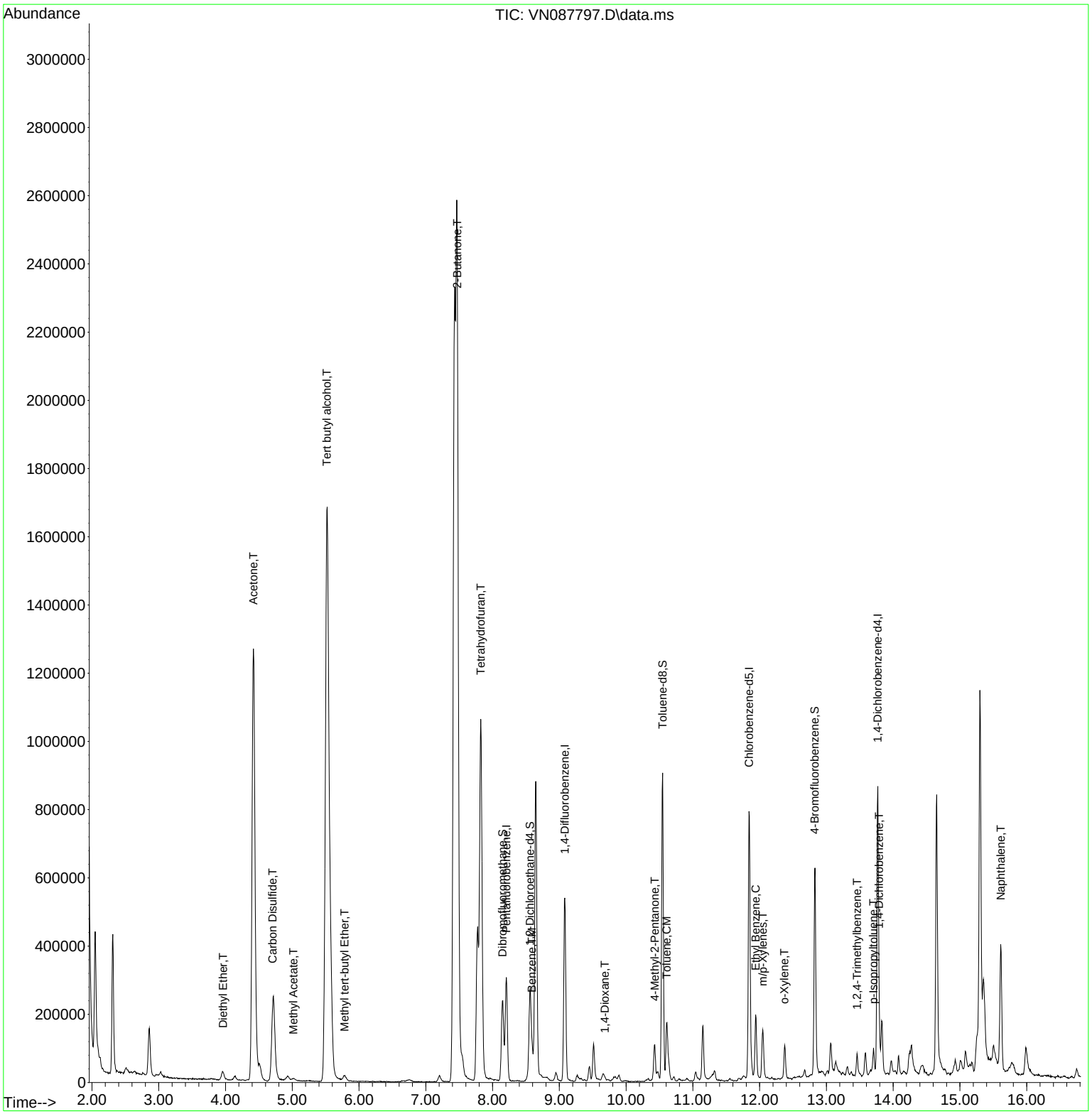
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	209108	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	464981	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	450268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215998	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	211796	49.434	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.860%			
35) Dibromofluoromethane	8.147	113	170897	50.905	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.820%			
50) Toluene-d8	10.547	98	600032	47.753	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.500%			
62) 4-Bromofluorobenzene	12.823	95	214630	48.031	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.060%			
Target Compounds						Qvalue
8) Diethyl Ether	3.965	74	14074	6.233	ug/l	88
11) Tert butyl alcohol	5.518	59	3321774	4466.041	ug/l	98
16) Acetone	4.418	43	2516289	1078.896	ug/l	98
17) Carbon Disulfide	4.706	76	22297	2.686	ug/l	99
18) Methyl Acetate	5.018	43	11950	2.447	ug/l	96
19) Methyl tert-butyl Ether	5.783	73	19781	1.749	ug/l	97
25) 2-Butanone	7.471	43	4007305	1305.988	ug/l	99
29) Tetrahydrofuran	7.824	42	835747	423.228	ug/l	99
40) Benzene	8.588	78	52062	3.296	ug/l	100
49) 1,4-Dioxane	9.682	88	5161	76.614	ug/l #	93
51) 4-Methyl-2-Pentanone	10.429	43	88890	13.408	ug/l	93
52) Toluene	10.606	92	71167	7.267	ug/l	93
67) Ethyl Benzene	11.941	91	129354	6.669	ug/l	99
68) m/p-Xylenes	12.047	106	44673	6.280	ug/l	100
69) o-Xylene	12.371	106	25442	3.650	ug/l	96
84) 1,2,4-Trimethylbenzene	13.459	105	36005	2.429	ug/l	96
86) p-Isopropyltoluene	13.706	119	35295	2.334	ug/l	93
88) 1,4-Dichlorobenzene	13.788	146	31704	3.759	ug/l	92
95) Naphthalene	15.611	128	338258	20.684	ug/l	100

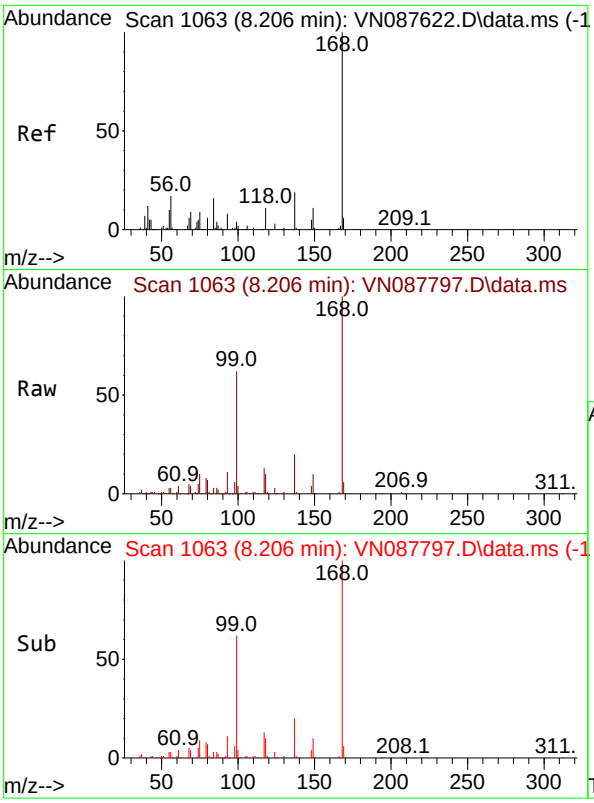
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Time: Sep 12 04:25:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



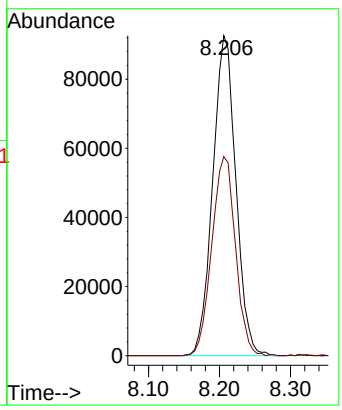


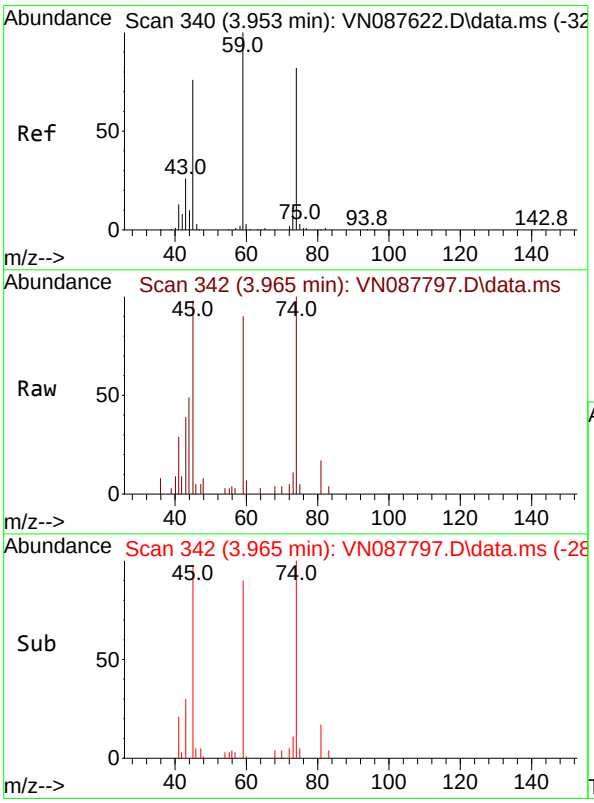
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:168 Resp: 209108

Ion	Ratio	Lower	Upper
168	100		
99	62.2	57.2	85.8

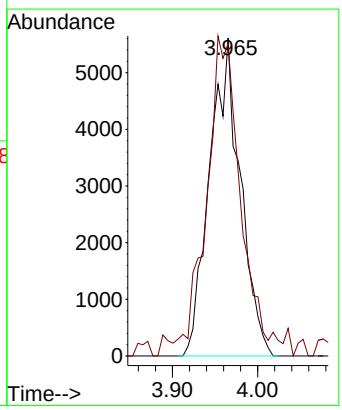


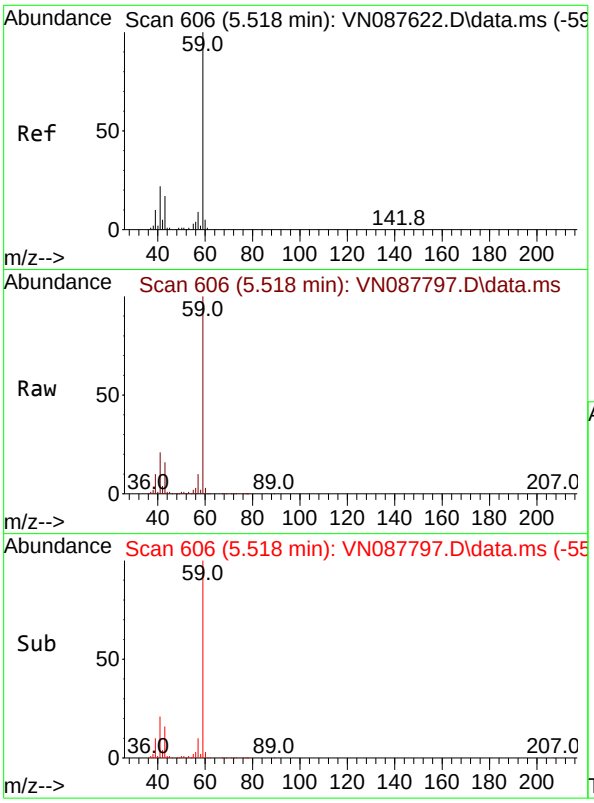


#8
Diethyl Ether
Concen: 6.233 ug/l
RT: 3.965 min Scan# 342
Delta R.T. 0.012 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 74 Resp: 14074

Ion	Ratio	Lower	Upper
74	100		
45	113.8	50.6	151.9



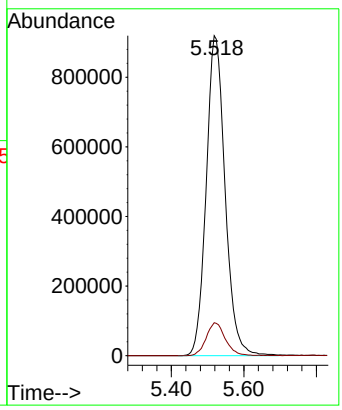


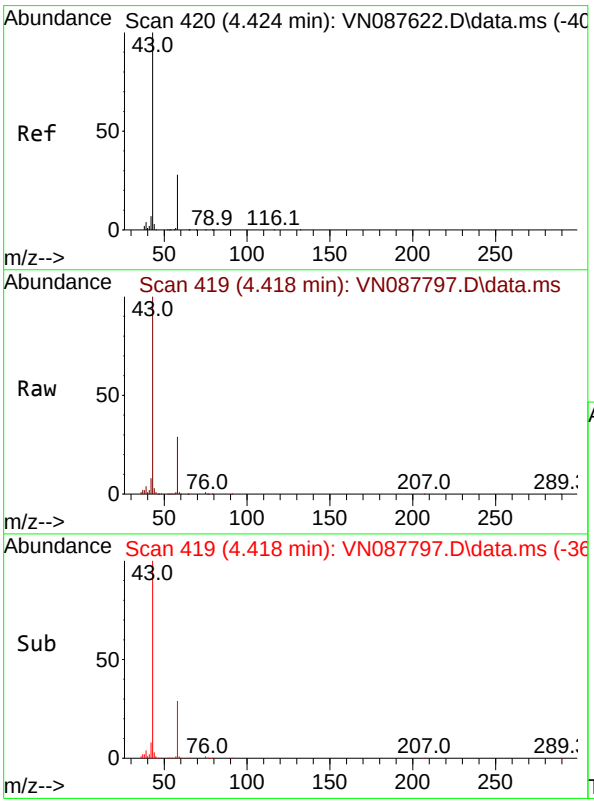
#11
Tert butyl alcohol
Concen: 4466.041 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 59 Resp: 3321774

Ion	Ratio	Lower	Upper
59	100		
57	10.5	9.0	13.4

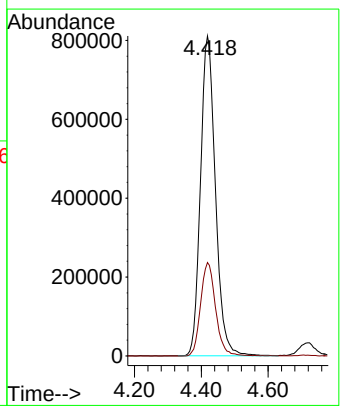


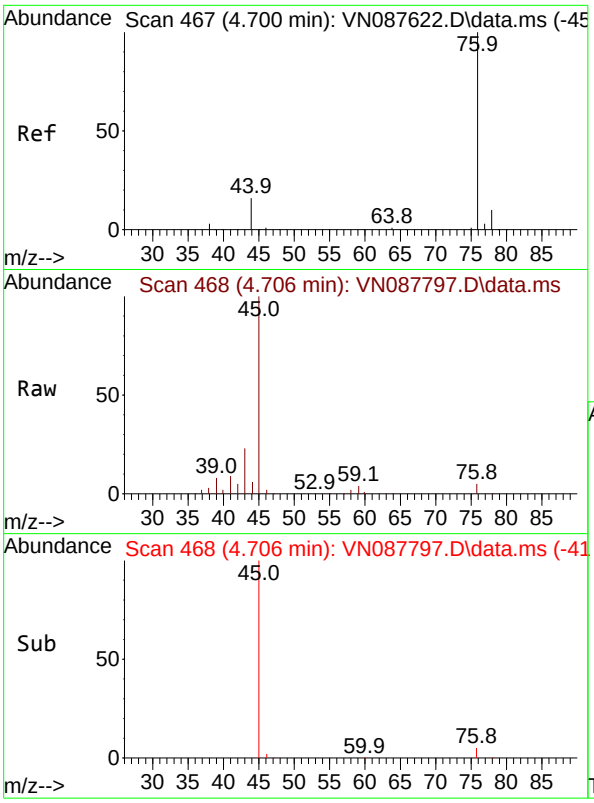


#16
Acetone
Concen: 1078.896 ug/l
RT: 4.418 min Scan# 419
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 2516289

Ion	Ratio	Lower	Upper
43	100		
58	29.2	22.6	33.8



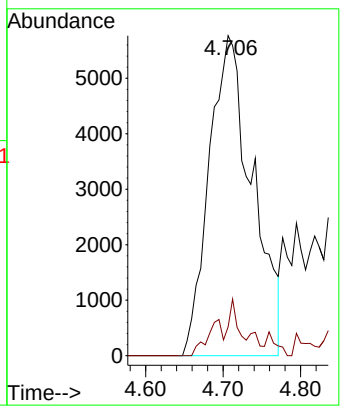


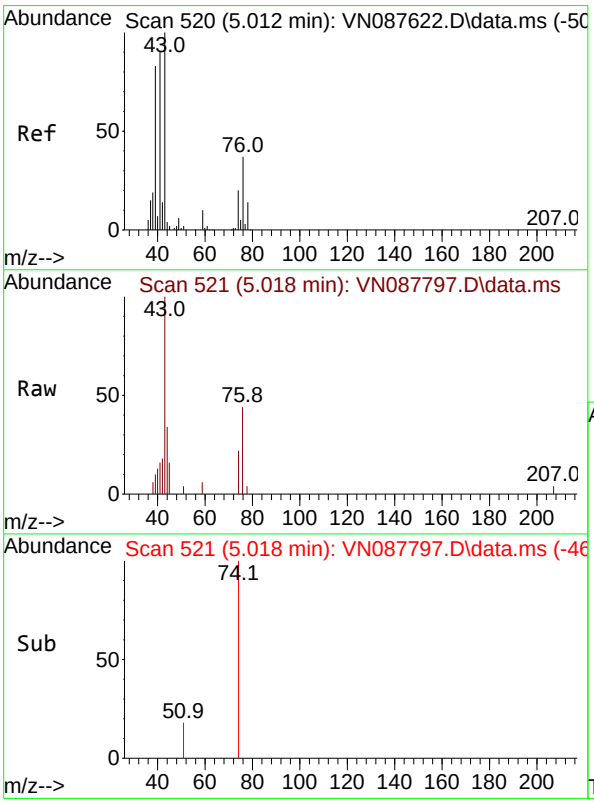
#17
Carbon Disulfide
Concen: 2.686 ug/l
RT: 4.706 min Scan# 4
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 76 Resp: 22297

Ion	Ratio	Lower	Upper
76	100		
78	9.0	7.6	11.4

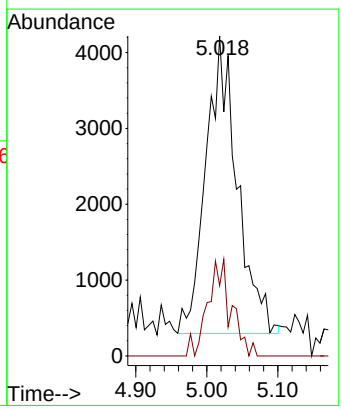


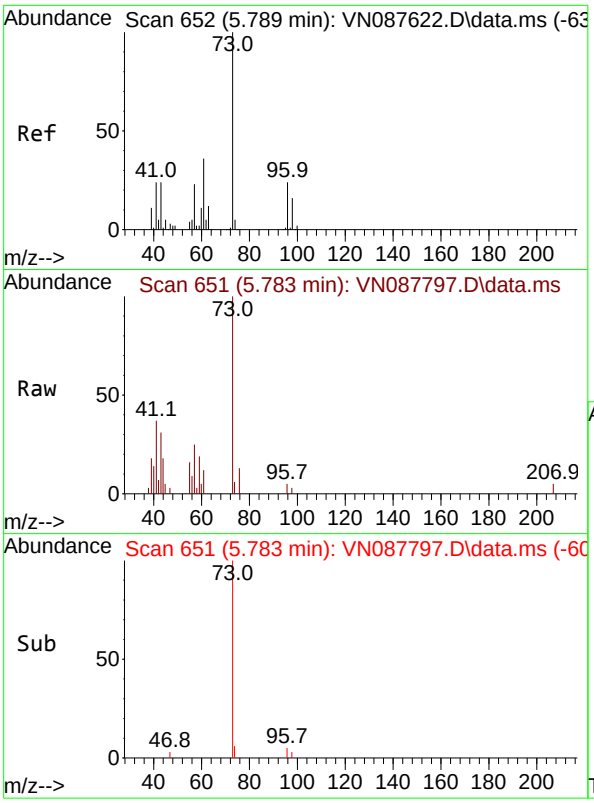


#18
Methyl Acetate
Concen: 2.447 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 11950

Ion	Ratio	Lower	Upper
43	100		
74	24.1	17.6	26.4



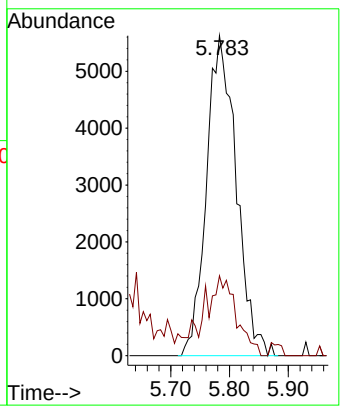


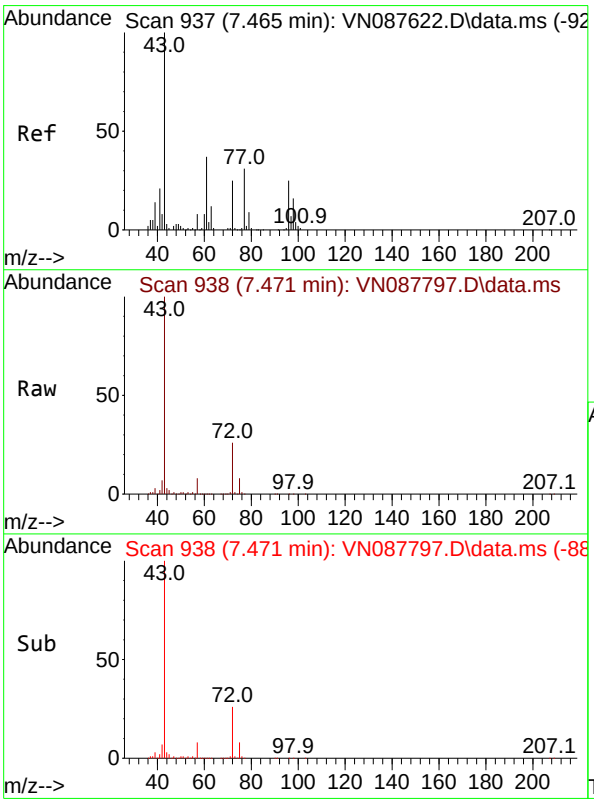
#19
Methyl tert-butyl Ether
Concen: 1.749 ug/l
RT: 5.783 min Scan# 6
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 73 Resp: 19781

Ion	Ratio	Lower	Upper
73	100		
57	21.4	18.4	27.6

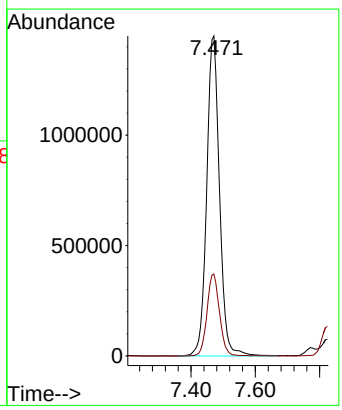


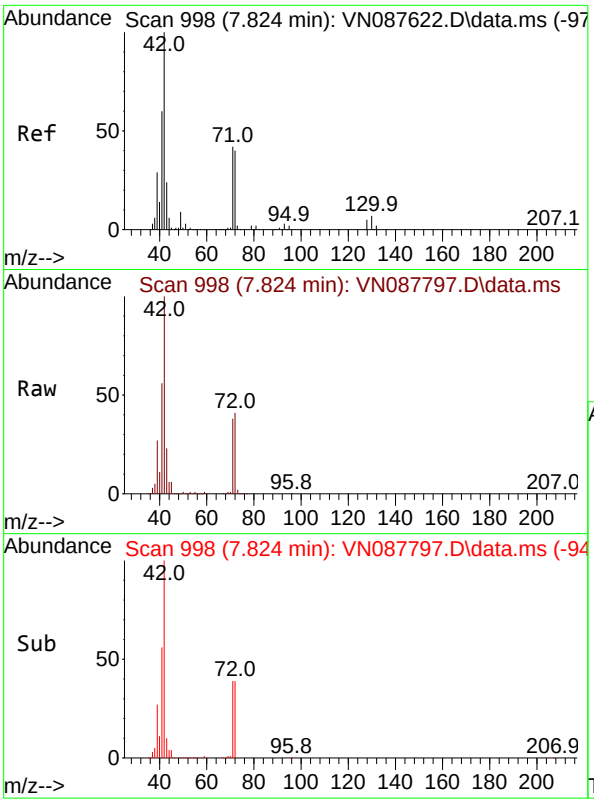


#25
2-Butanone
Concen: 1305.988 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 4007305

Ion	Ratio	Lower	Upper
43	100		
72	25.6	19.9	29.9



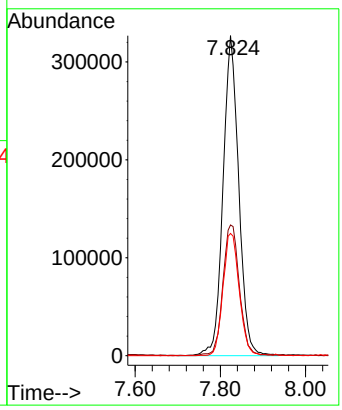


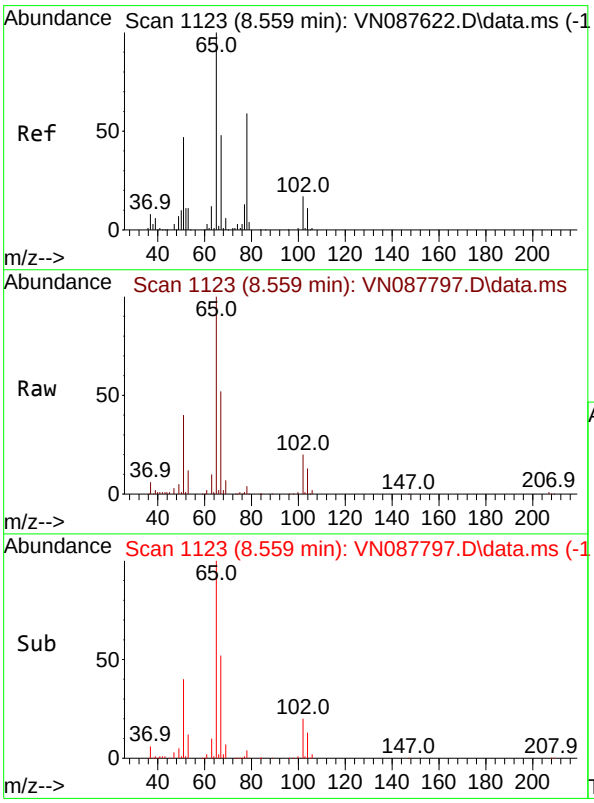
#29
Tetrahydrofuran
Concen: 423.228 ug/l
RT: 7.824 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 42 Resp: 835747

Ion	Ratio	Lower	Upper
42	100		
72	43.0	33.7	50.5
71	39.5	31.9	47.9

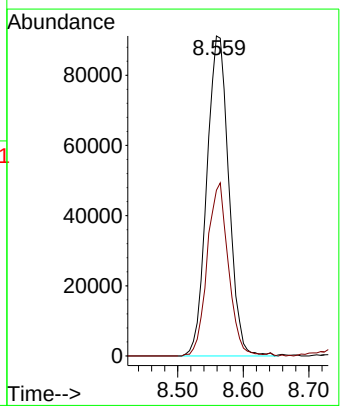


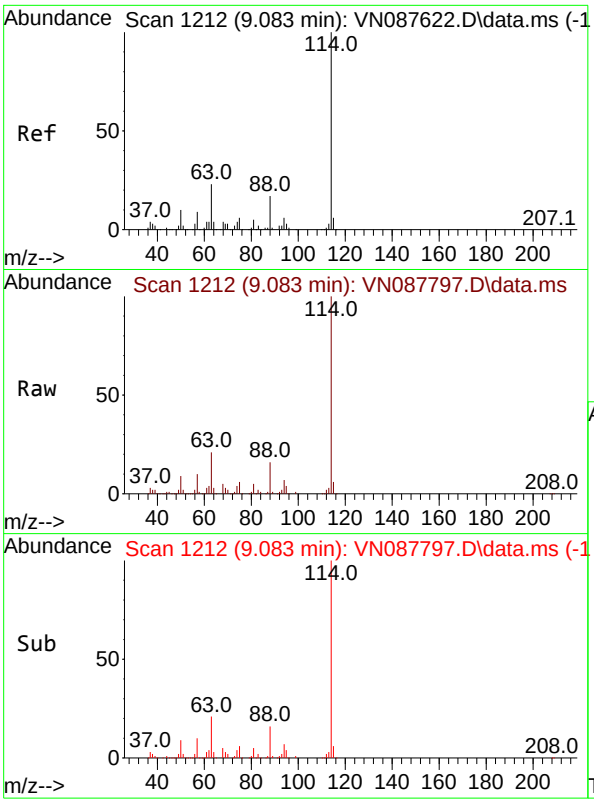


#33
1,2-Dichloroethane-d4
Concen: 49.434 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 65 Resp: 211796

Ion	Ratio	Lower	Upper
65	100		
67	52.2	0.0	100.0



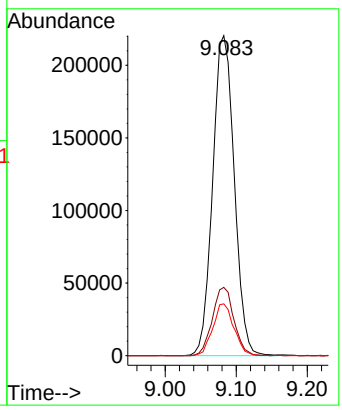


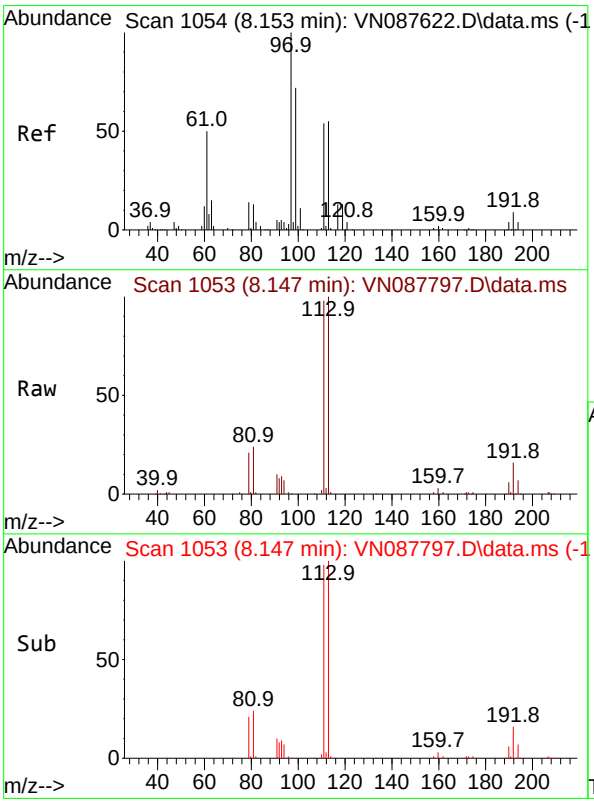
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:114 Resp: 464981

Ion	Ratio	Lower	Upper
114	100		
63	21.4	0.0	45.2
88	16.2	0.0	33.4

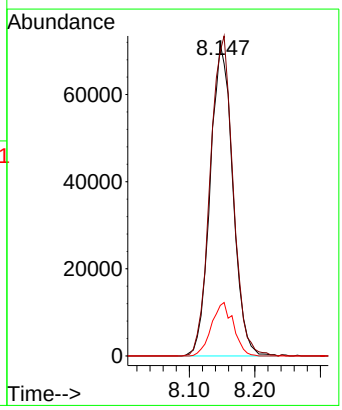


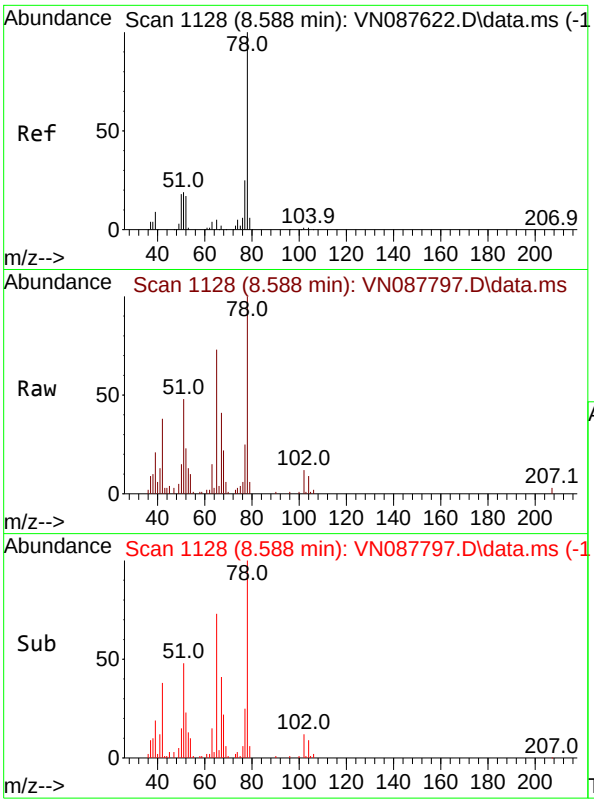


#35
Dibromofluoromethane
Concen: 50.905 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:113 Resp: 170897

Ion	Ratio	Lower	Upper
113	100		
111	103.8	82.8	124.2
192	16.7	12.8	19.2



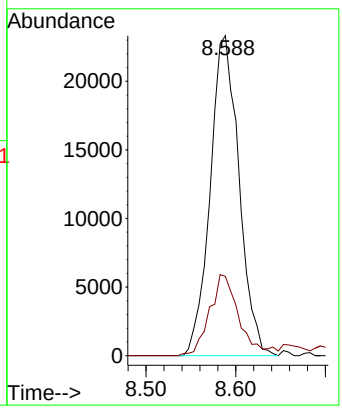


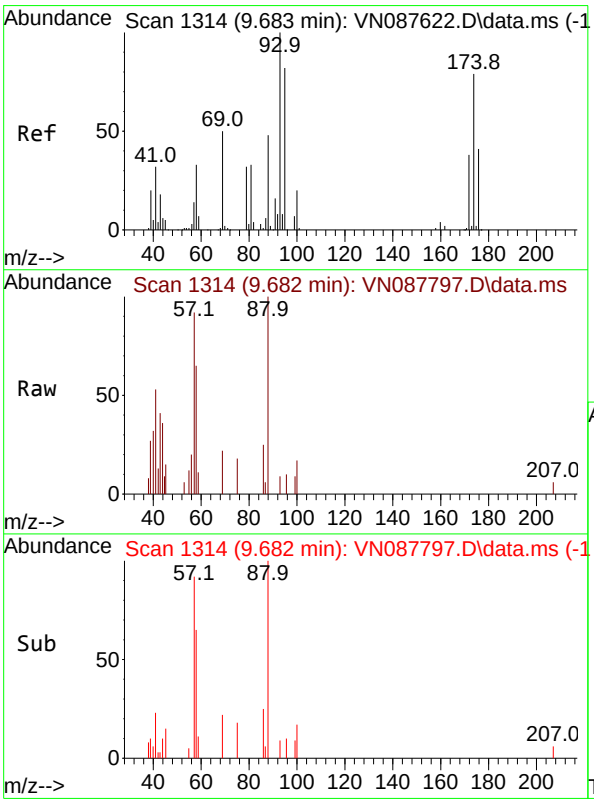
#40
Benzene
Concen: 3.296 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 78 Resp: 52062

Ion	Ratio	Lower	Upper
78	100		
77	24.7	19.7	29.5

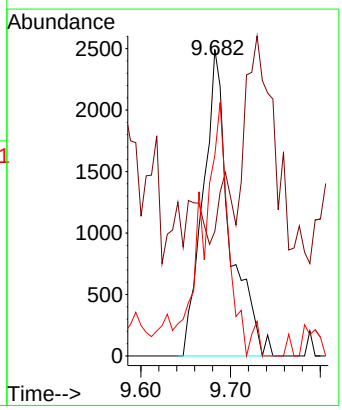


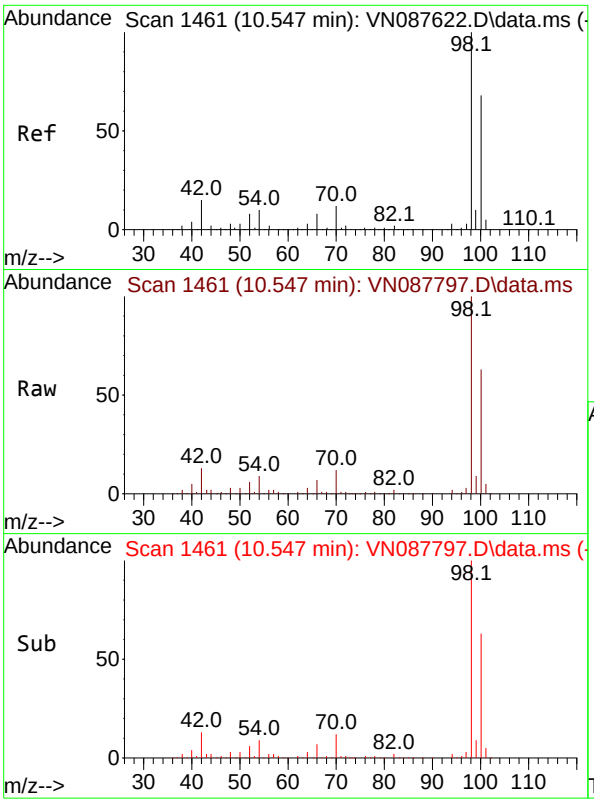


#49
1,4-Dioxane
Concen: 76.614 ug/l
RT: 9.682 min Scan# 1314
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 88 Resp: 5161

Ion	Ratio	Lower	Upper
88	100		
43	0.0	0.0	0.0
58	78.6	57.9	86.9



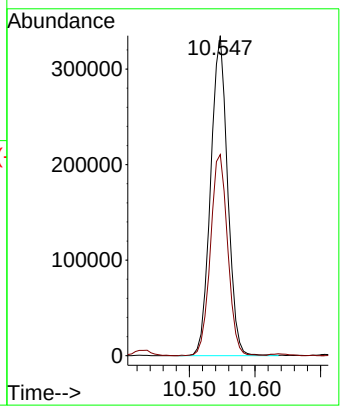


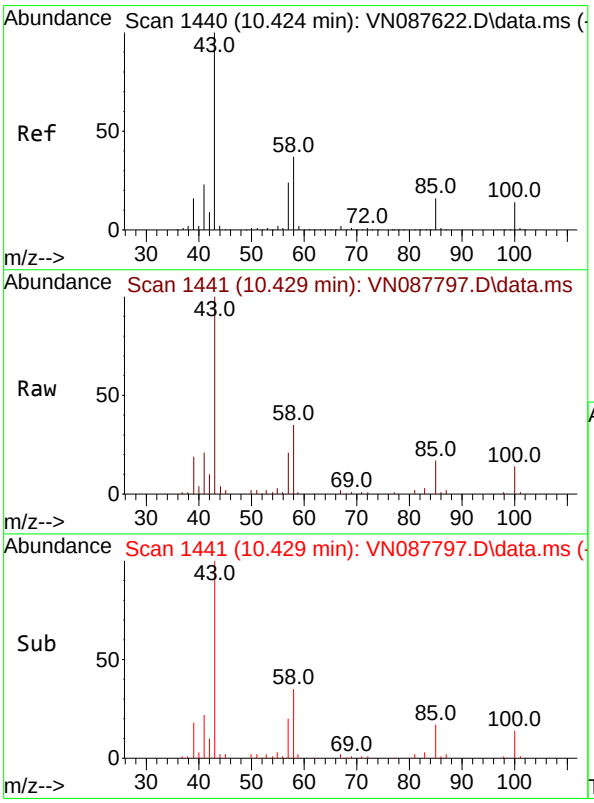
#50
Toluene-d8
Concen: 47.753 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 98 Resp: 600032

Ion	Ratio	Lower	Upper
98	100		
100	63.8	52.8	79.2

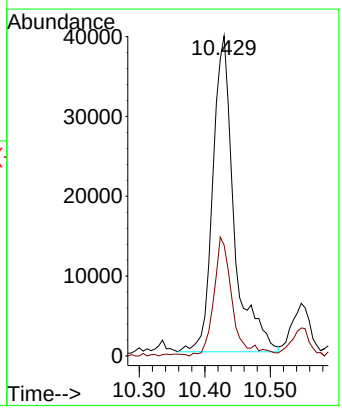


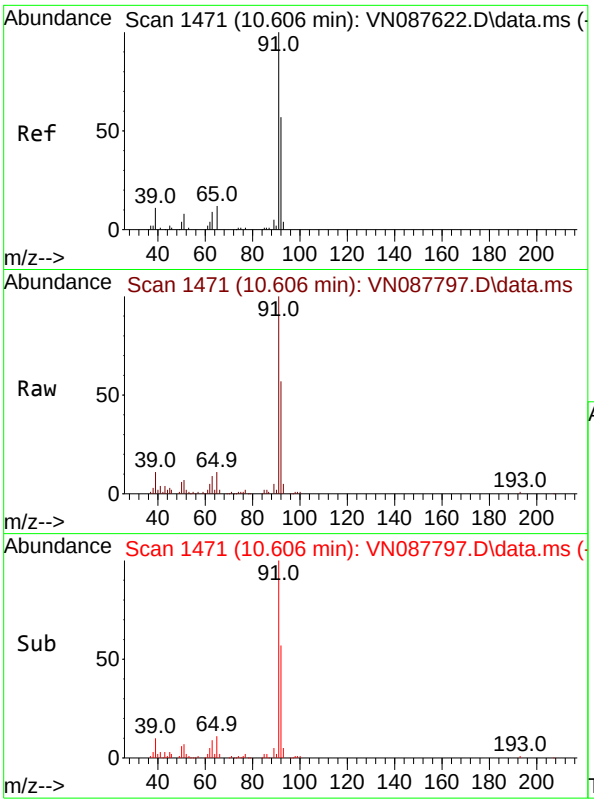


#51
4-Methyl-2-Pentanone
Concen: 13.408 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 43 Resp: 88890

Ion	Ratio	Lower	Upper
43	100		
58	33.0	29.6	44.4



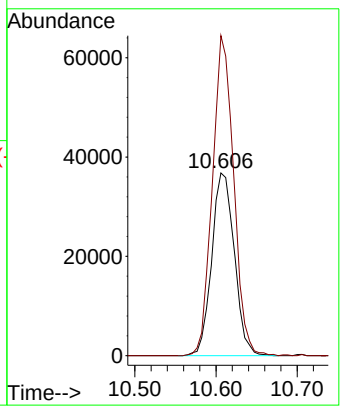


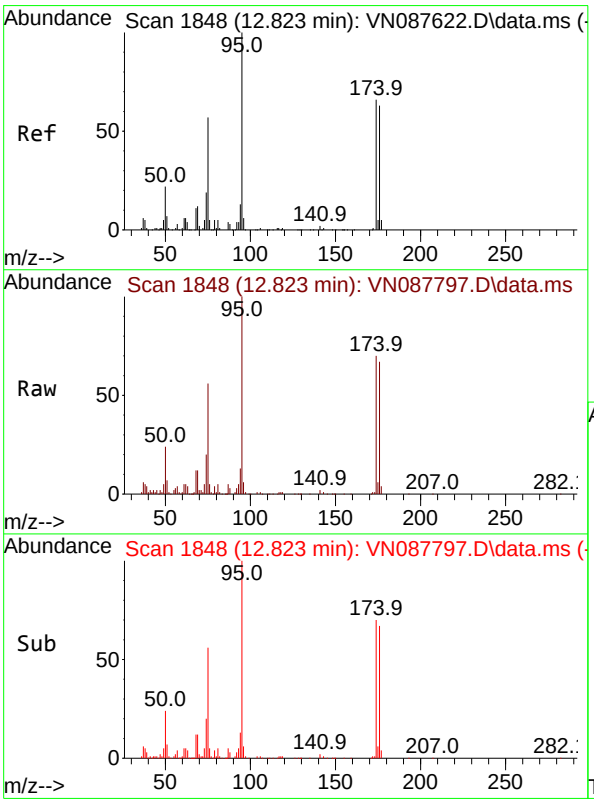
#52
Toluene
Concen: 7.267 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion: 92 Resp: 71167

Ion	Ratio	Lower	Upper
92	100		
91	165.2	140.4	210.6

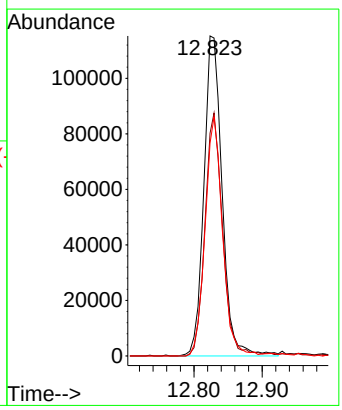


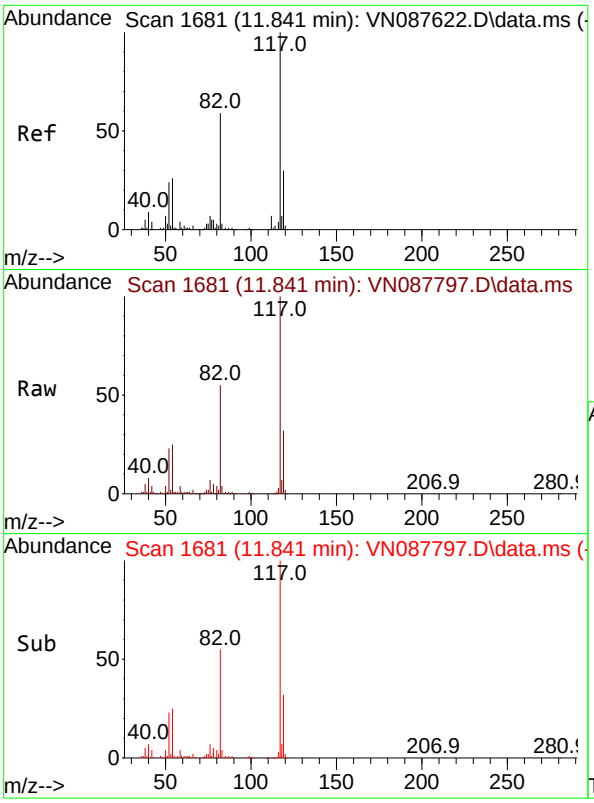


#62
4-Bromofluorobenzene
Concen: 48.031 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 95 Resp: 214630

Ion	Ratio	Lower	Upper
95	100		
174	73.5	0.0	138.4
176	71.5	0.0	132.6



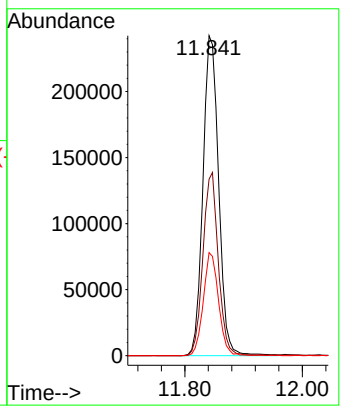


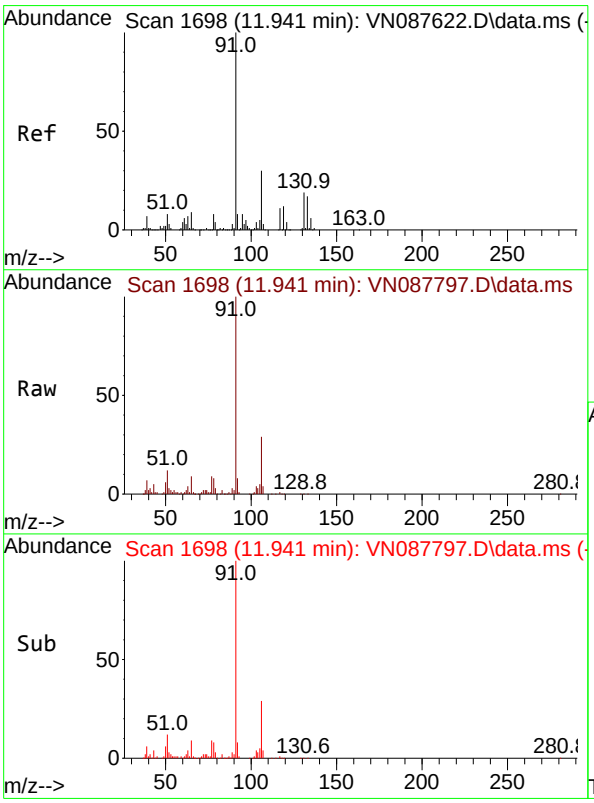
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:117 Resp: 450268

Ion	Ratio	Lower	Upper
117	100		
82	55.2	47.4	71.2
119	32.2	24.3	36.5

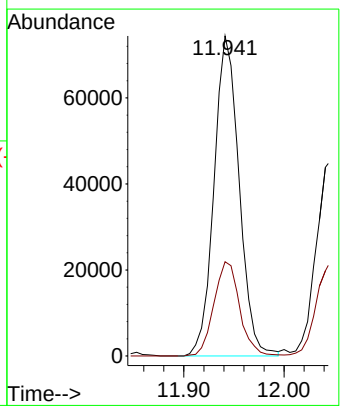


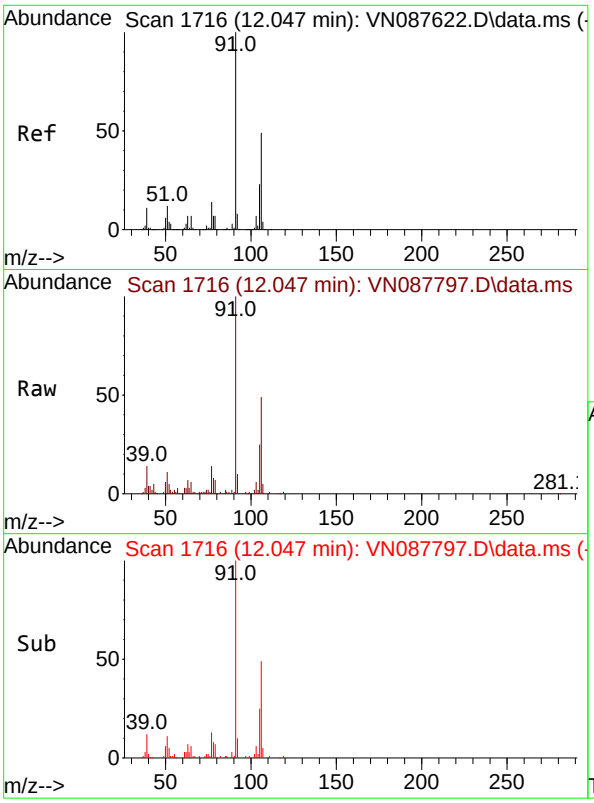


#67
Ethyl Benzene
Concen: 6.669 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion: 91 Resp: 129354

Ion	Ratio	Lower	Upper
91	100		
106	29.4	24.1	36.1



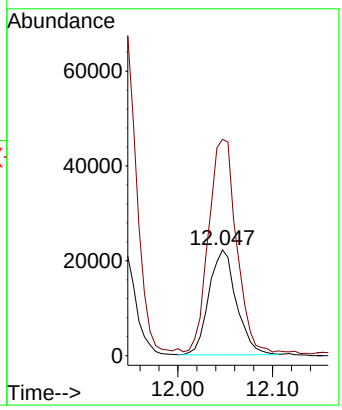


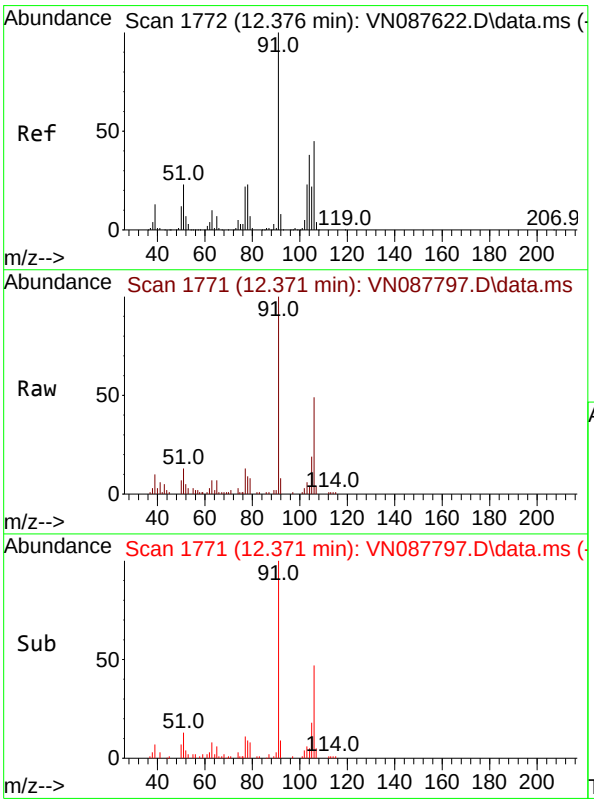
#68
m/p-Xylenes
Concen: 6.280 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:106 Resp: 44673

Ion	Ratio	Lower	Upper
106	100		
91	212.1	169.3	253.9

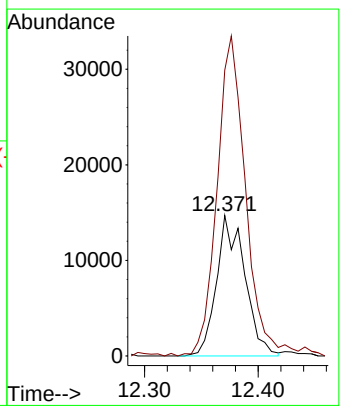


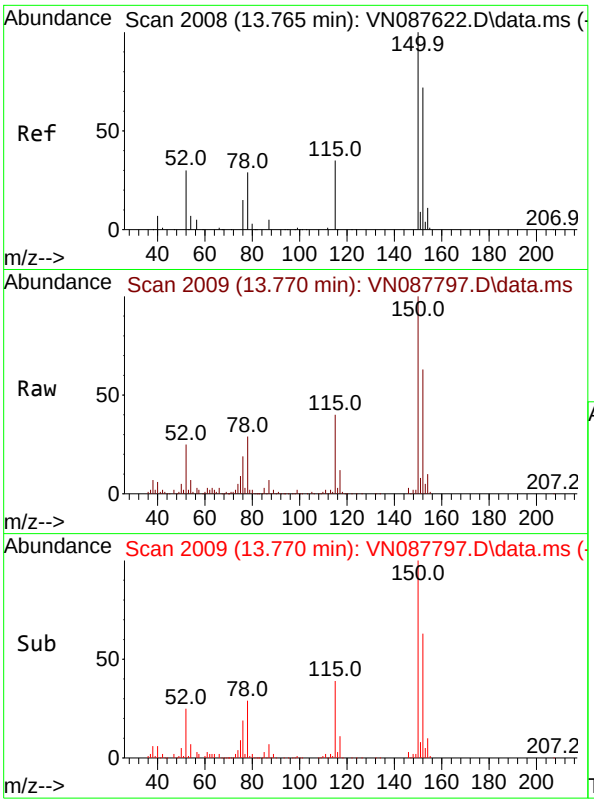


#69
o-Xylene
Concen: 3.650 ug/l
RT: 12.371 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:106 Resp: 25442

Ion	Ratio	Lower	Upper
106	100		
91	229.5	111.4	334.2



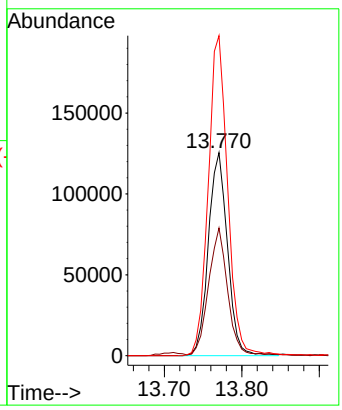


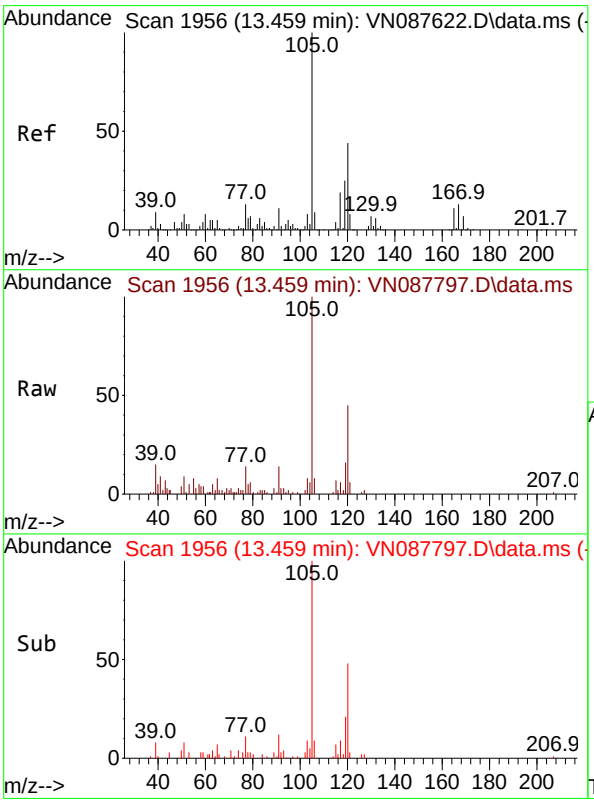
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:152 Resp: 215998

Ion	Ratio	Lower	Upper
152	100		
115	62.6	32.3	96.8
150	160.2	0.0	351.0

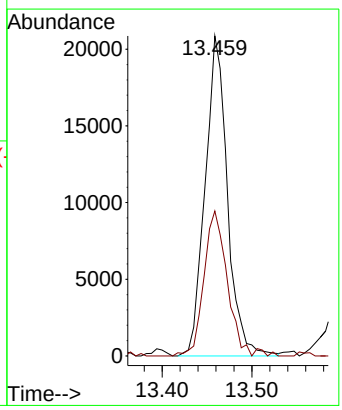


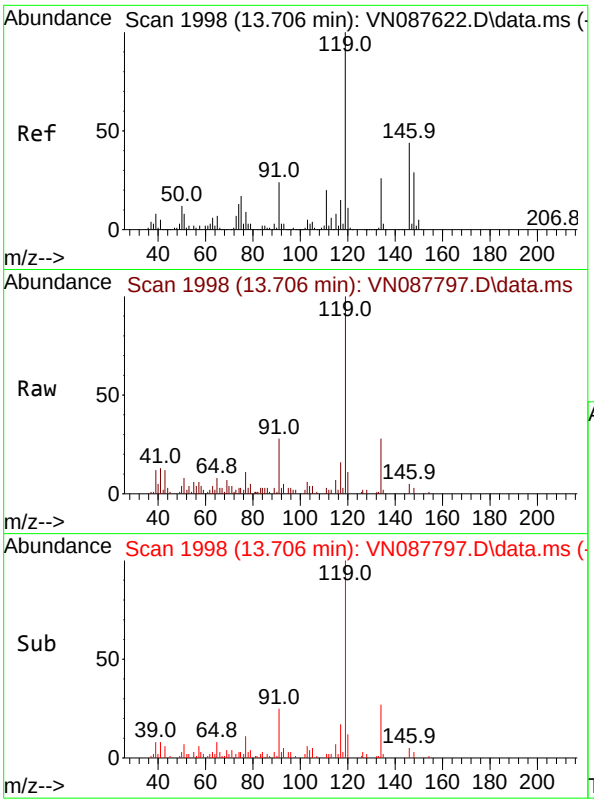


#84
1,2,4-Trimethylbenzene
Concen: 2.429 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:105 Resp: 36005

Ion	Ratio	Lower	Upper
105	100		
120	46.7	22.0	66.0



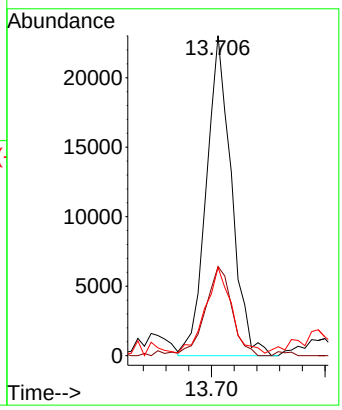


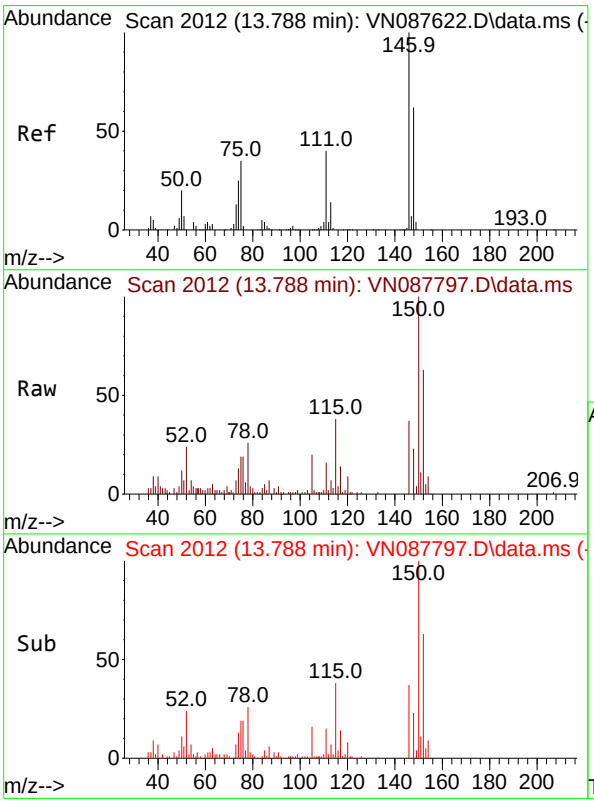
#86
p-Isopropyltoluene
Concen: 2.334 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:119 Resp: 35295

Ion	Ratio	Lower	Upper
119	100		
134	29.6	12.7	38.0
91	27.5	12.5	37.5

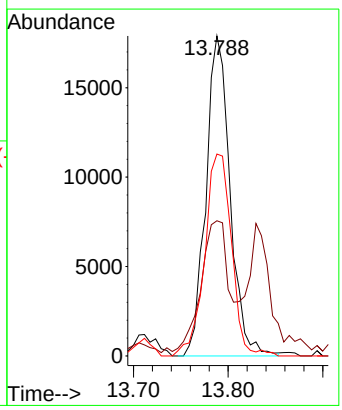


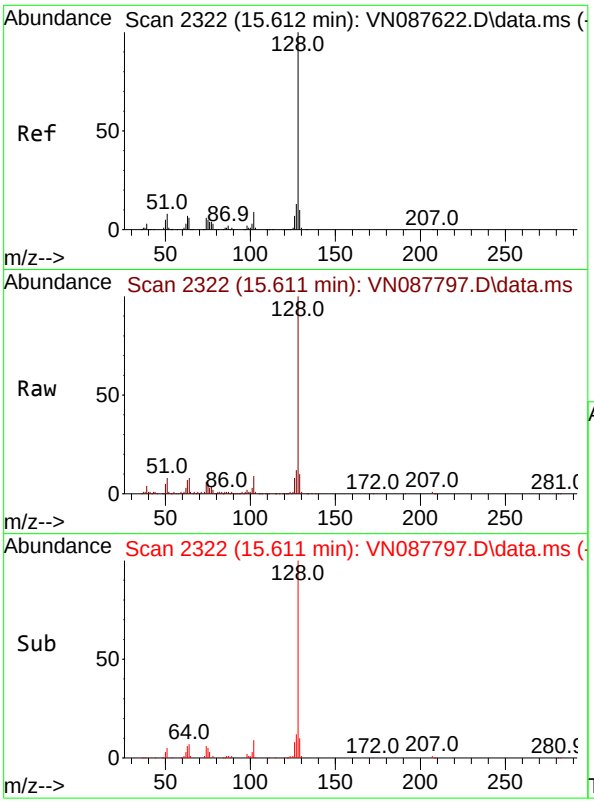


#88
1,4-Dichlorobenzene
Concen: 3.759 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Tgt Ion:146 Resp: 31704

Ion	Ratio	Lower	Upper
146	100		
111	46.3	21.0	63.0
148	70.2	32.0	96.0



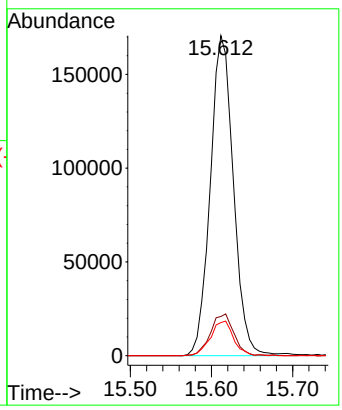


#95
Naphthalene
Concen: 20.684 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087797.D
Acq: 11 Sep 2025 15:03

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Tgt Ion:128 Resp: 338258

Ion	Ratio	Lower	Upper
128	100		
127	13.3	10.6	15.8
129	10.8	8.6	12.8



Sample Results: **VN087797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.048	11	16	27	rVB	369208	712837	10.07%	1.617%
2	2.312	54	61	70	rBV	408497	726815	10.27%	1.649%
3	2.859	147	154	168	rVB	140571	324763	4.59%	0.737%
4	3.959	330	341	348	rBV4	25670	74909	1.06%	0.170%
5	4.418	406	419	432	rBV	1264490	3916699	55.34%	8.886%
6	4.718	454	470	486	rBV	249507	862711	12.19%	1.957%
7	5.524	592	607	632	rBV	1683227	7077162	100.00%	16.057%
8	7.436	916	932	934	rBV	2329653	5854581	82.72%	13.283%
9	7.777	980	990	992	rBV	450461	977948	13.82%	2.219%
10	7.824	992	998	1012	rVB	1053258	2830335	39.99%	6.422%
11	8.153	1045	1054	1058	rBV	233707	583431	8.24%	1.324%
12	8.206	1058	1063	1075	rVB	303879	683881	9.66%	1.552%
13	8.565	1111	1124	1131	rBV2	270746	786948	11.12%	1.785%
14	8.647	1131	1138	1151	rVB	864166	1969112	27.82%	4.468%
15	9.083	1202	1212	1224	rBV	536454	1158817	16.37%	2.629%
16	9.453	1268	1275	1279	rBV2	41559	81696	1.15%	0.185%
17	9.512	1279	1285	1293	rVV	103497	202446	2.86%	0.459%
18	10.429	1432	1441	1445	rBV2	104264	209259	2.96%	0.475%
19	10.547	1453	1461	1467	rVV	900542	1651618	23.34%	3.747%
20	10.612	1467	1472	1485	rVB2	168091	403888	5.71%	0.916%
21	11.153	1555	1564	1574	rBV	158607	312863	4.42%	0.710%
22	11.324	1580	1593	1602	rVB7	29063	103796	1.47%	0.235%
23	11.841	1673	1681	1692	rBV	781843	1520613	21.49%	3.450%
24	11.941	1692	1698	1708	rVV	185454	345050	4.88%	0.783%
25	12.047	1710	1716	1726	rVB	140013	280557	3.96%	0.637%
26	12.376	1765	1772	1779	rVB2	96373	174414	2.46%	0.396%
27	12.829	1841	1849	1859	rBV	606969	1109775	15.68%	2.518%
28	13.065	1883	1889	1895	rVV4	93949	198466	2.80%	0.450%
29	13.141	1898	1902	1916	rVB4	39230	113712	1.61%	0.258%
30	13.459	1951	1956	1963	rBV2	65451	115876	1.64%	0.263%
31	13.588	1968	1978	1984	rBV3	69118	140594	1.99%	0.319%
32	13.706	1992	1998	2002	rBV2	68504	109014	1.54%	0.247%
33	13.770	2002	2009	2016	rVV	839222	1598569	22.59%	3.627%
34	13.829	2016	2019	2029	rVB2	156645	279768	3.95%	0.635%
35	13.970	2038	2043	2048	rBV3	37780	71474	1.01%	0.162%
36	14.082	2057	2062	2069	rVB4	53933	86662	1.22%	0.197%

Sample Results: **VN087797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-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\82N082125W.M
Title : SW846 8260

37	14.253	2082	2091	2092	rBV5	67062	132682	1.87%	0.301%
38	14.276	2092	2095	2105	rVB4	79225	164473	2.32%	0.373%
39	14.441	2114	2123	2127	rBV4	25265	81037	1.15%	0.184%
40	14.653	2147	2159	2177	rBV	819974	1683992	23.79%	3.821%
41	14.929	2199	2206	2213	rBV9	38238	85685	1.21%	0.194%
42	15.082	2228	2232	2241	rBV2	50521	104141	1.47%	0.236%
43	15.300	2254	2269	2275	rBV	1115597	2523462	35.66%	5.725%
44	15.353	2275	2278	2290	rVB7	235550	577904	8.17%	1.311%
45	15.506	2300	2304	2313	rVB6	52174	124282	1.76%	0.282%
46	15.612	2315	2322	2329	rVB	366003	731681	10.34%	1.660%
47	15.988	2380	2386	2396	rBV5	78307	215508	3.05%	0.489%

Sum of corrected areas: 44075906

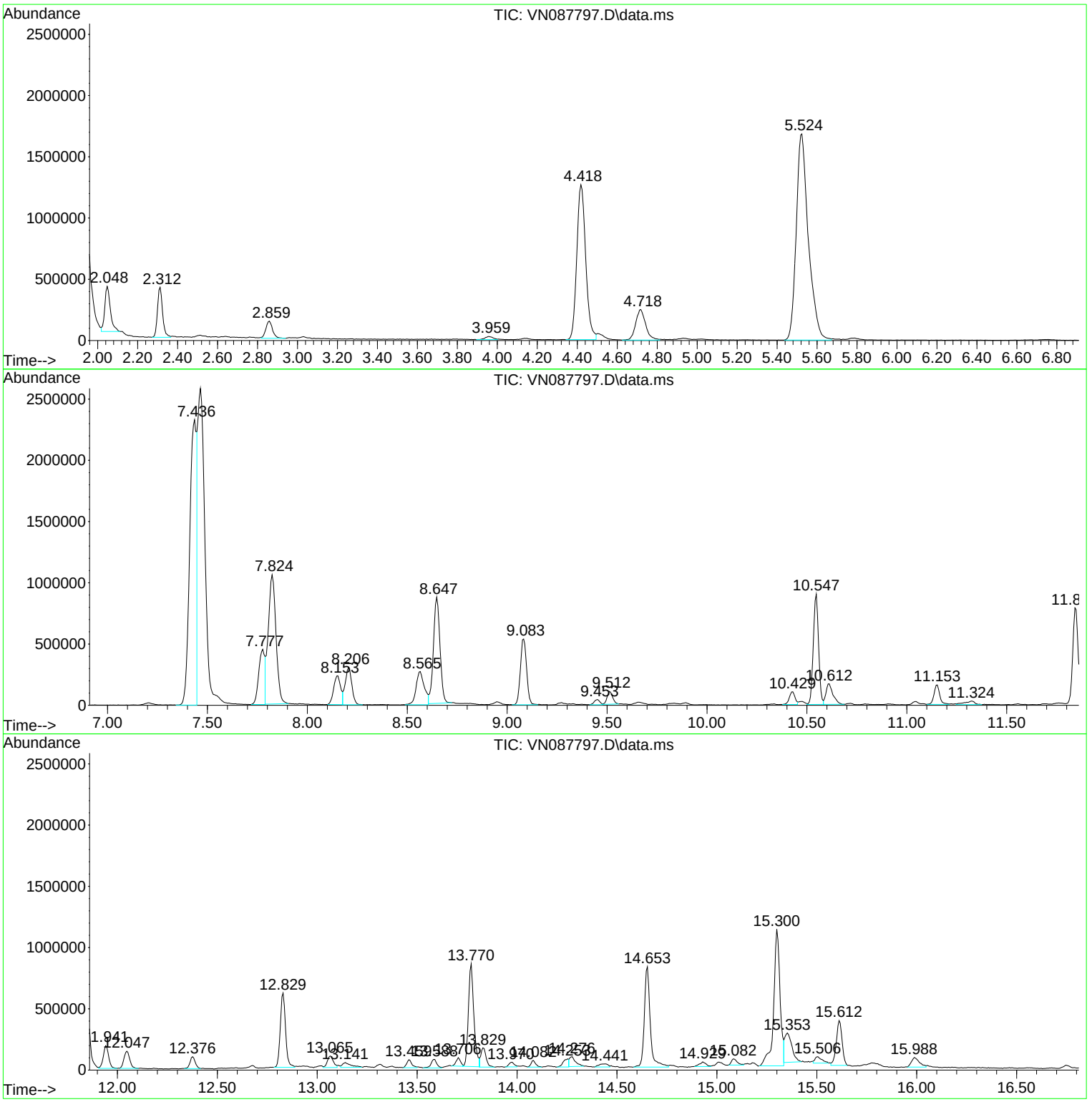
Sample Results: **VN087797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

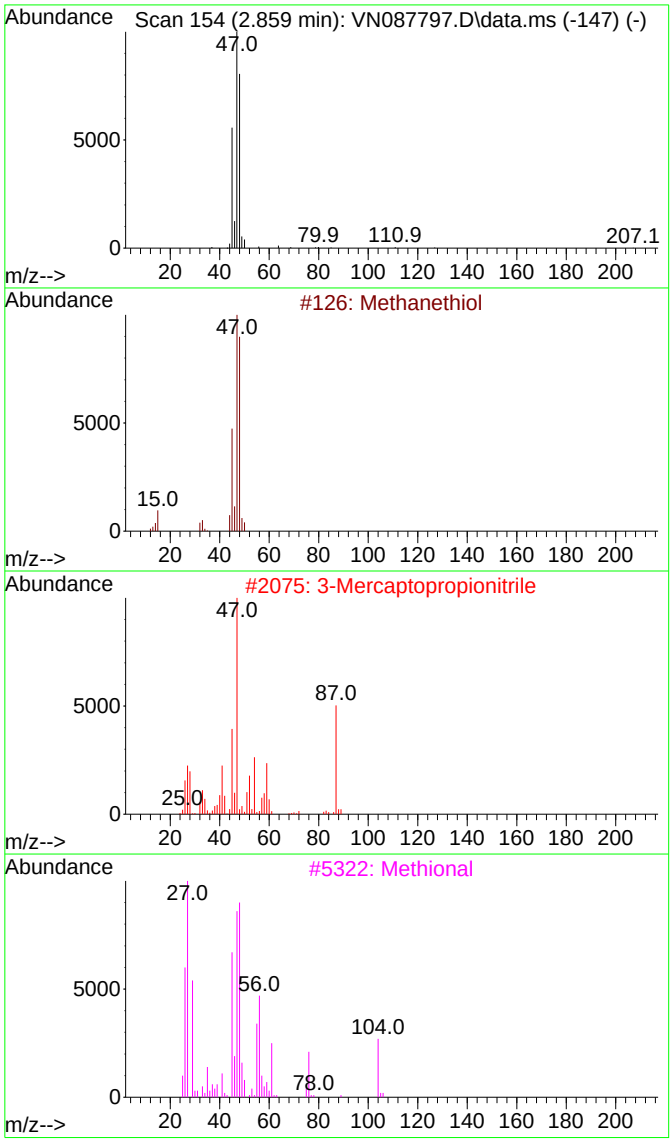
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

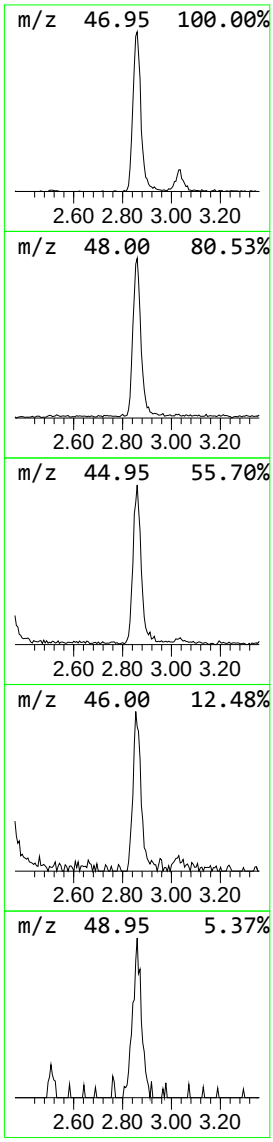
****

Peak Number 3 Methanethiol Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.859	23.74 ug/l	324763	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Methanethiol	48	CH4S	000074-93-1	90
2	3-Mercaptopropionitrile	87	C3H5NS	001001-58-7	28
3	Methional	104	C4H8OS	003268-49-3	9
4	Methane, chloromethoxy-	80	C2H5ClO	000107-30-2	4
5	Hydroxylamine, O-methyl-	47	CH5NO	000067-62-9	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

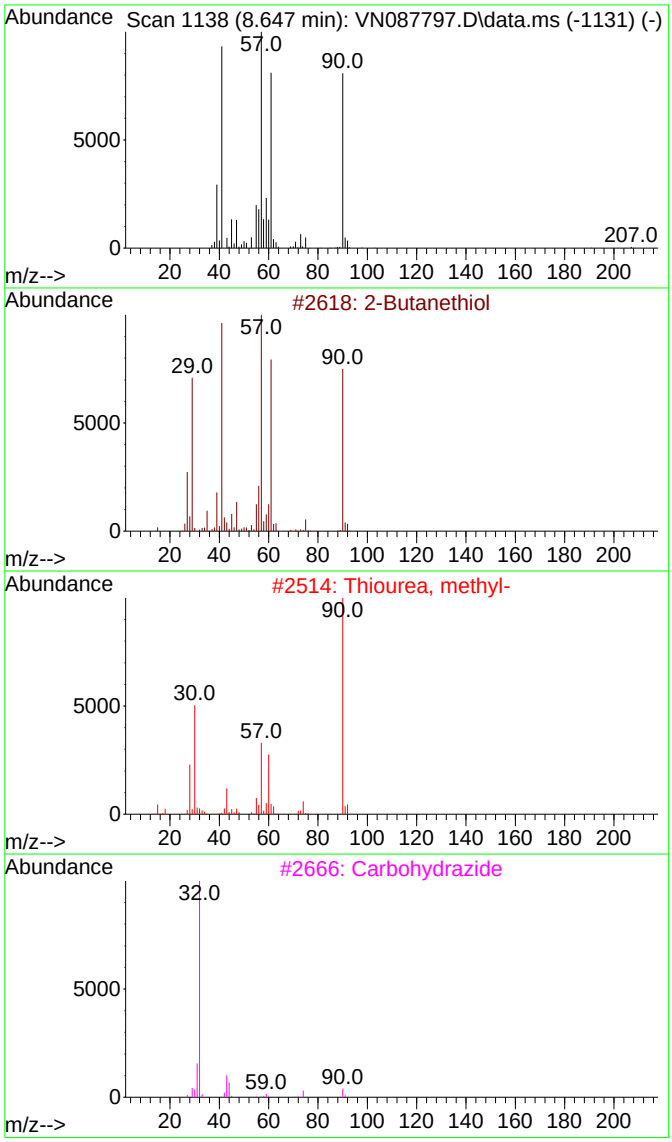
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

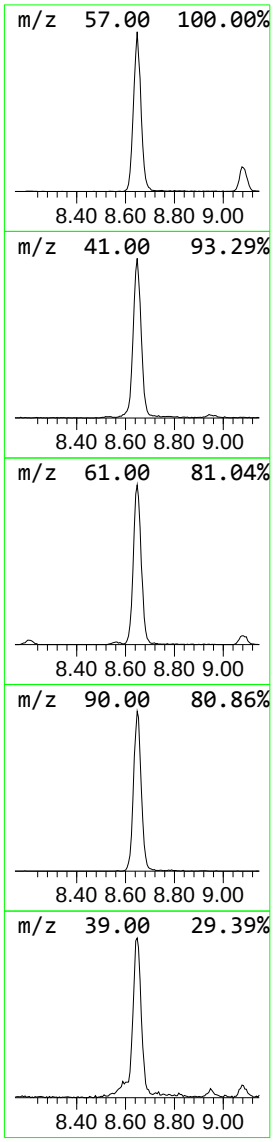
****

Peak Number 4 2-Butanethiol Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.647	84.96 ug/l	1969110	1,4-Difluorobenzene	9.083

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanethiol	90	C4H10S	000513-53-1	93
2	Thiourea, methyl-	90	C2H6N2S	000598-52-7	53
3	Carbohydrazide	90	CH6N4O	000497-18-7	45
4	2-Pyridylamidoxime, O-tert.-buty...	251	C12H21N3OSi	1000395-50-2	45
5	Pentanethioic acid, O-methyl ester	132	C6H12OS	055283-58-4	45





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

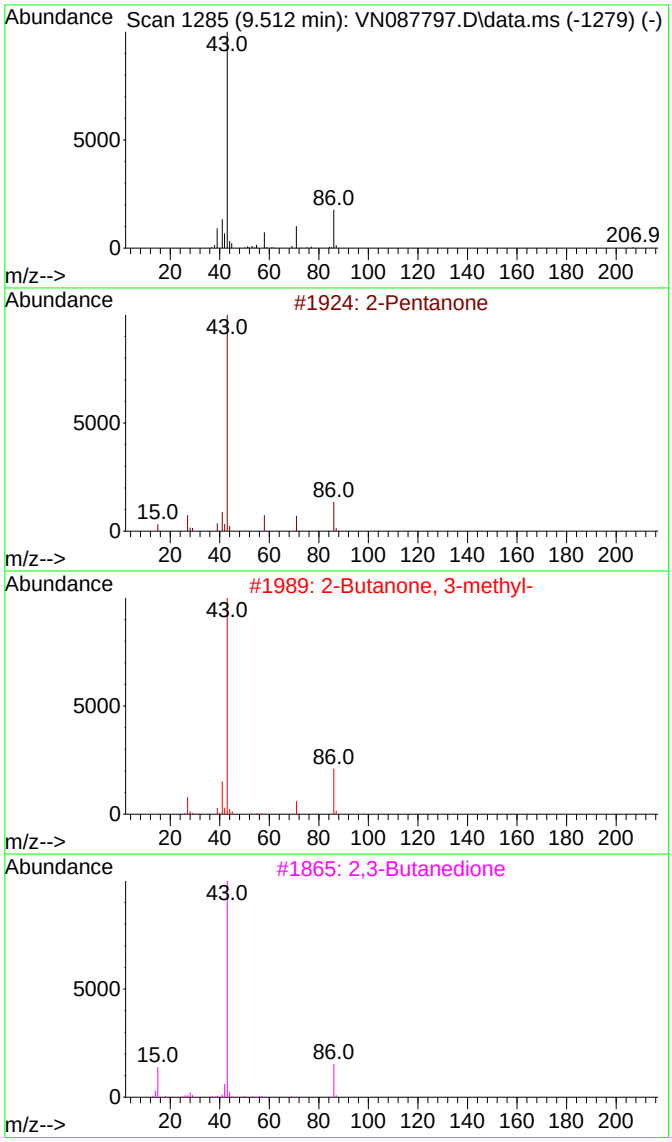
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

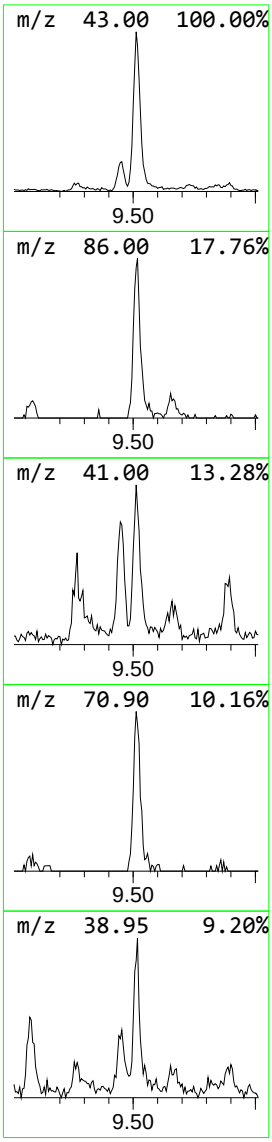
****

Peak Number 5 2-Pentanone Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.512	8.74 ug/l	202446	1,4-Difluorobenzene	9.083

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentanone	86	C5H10O	000107-87-9	72
2	2-Butanone, 3-methyl-	86	C5H10O	000563-80-4	53
3	2,3-Butanedione	86	C4H6O2	000431-03-8	38
4	2,3-Pentanedione, 4-methyl-	114	C6H10O2	007493-58-5	28
5	2-Propanone, methylhydrazone	86	C4H10N2	005771-02-8	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

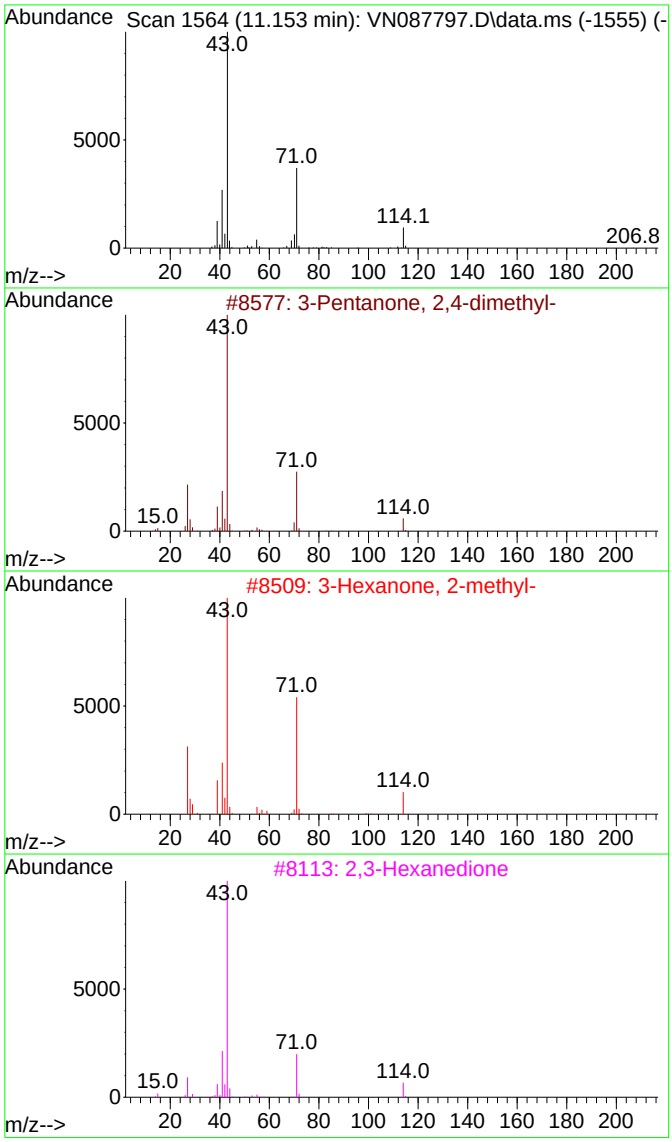
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

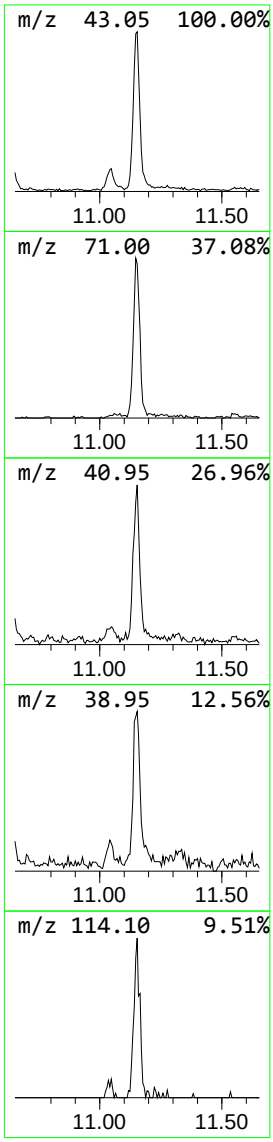
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 6 3-Pentanone, 2,4-dimethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.153	10.29 ug/l	312863	Chlorobenzene-d5	11.841

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	3-Pentanone, 2,4-dimethyl-	114	C7H14O	000565-80-0	80
2	3-Hexanone, 2-methyl-	114	C7H14O	007379-12-6	72
3	2,3-Hexanedione	114	C6H10O2	003848-24-6	72
4	Piperazine, 1,4-dimethyl-	114	C6H14N2	000106-58-1	25
5	3-Methylhexan-1-amine	115	C7H17N	065530-93-0	16





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

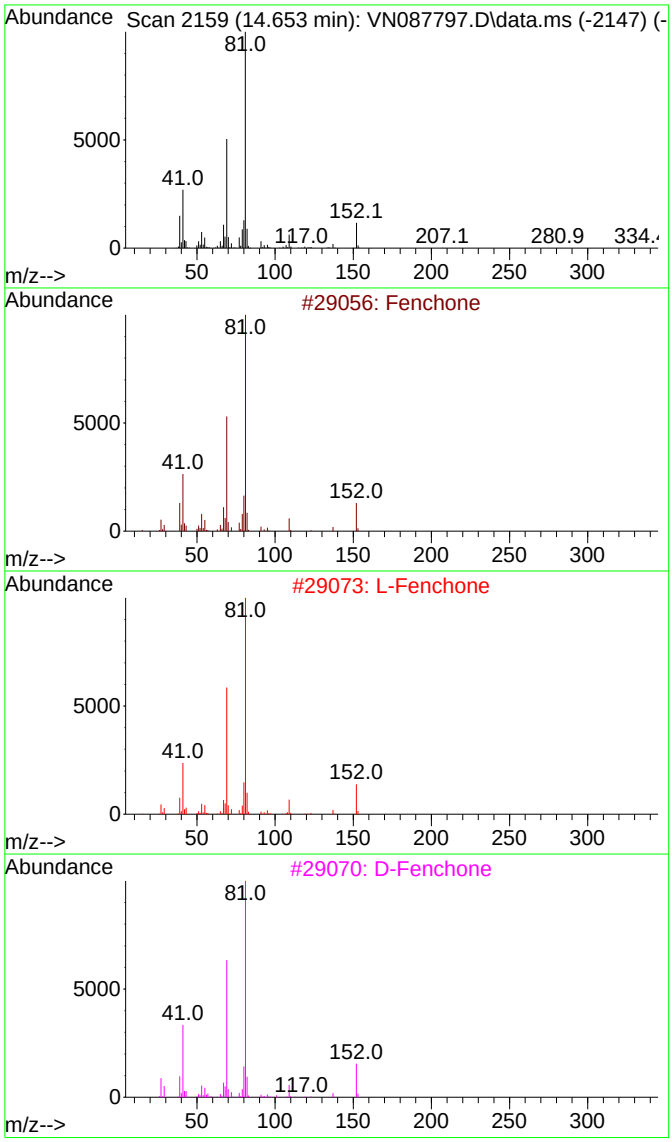
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

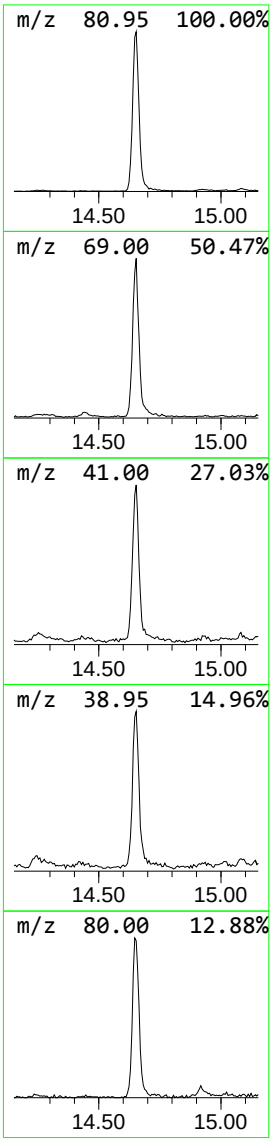
****

Peak Number 7 Fenchone Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.653	52.67 ug/l	1683990	1,4-Dichlorobenzene-d4	13.771

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	2,4-Decadienal, (E,E)-	152	C10H16O	025152-84-5	45
5	Ethanone, 1-(2-methyl-2-cyclopen...	124	C8H12O	001767-84-6	42





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

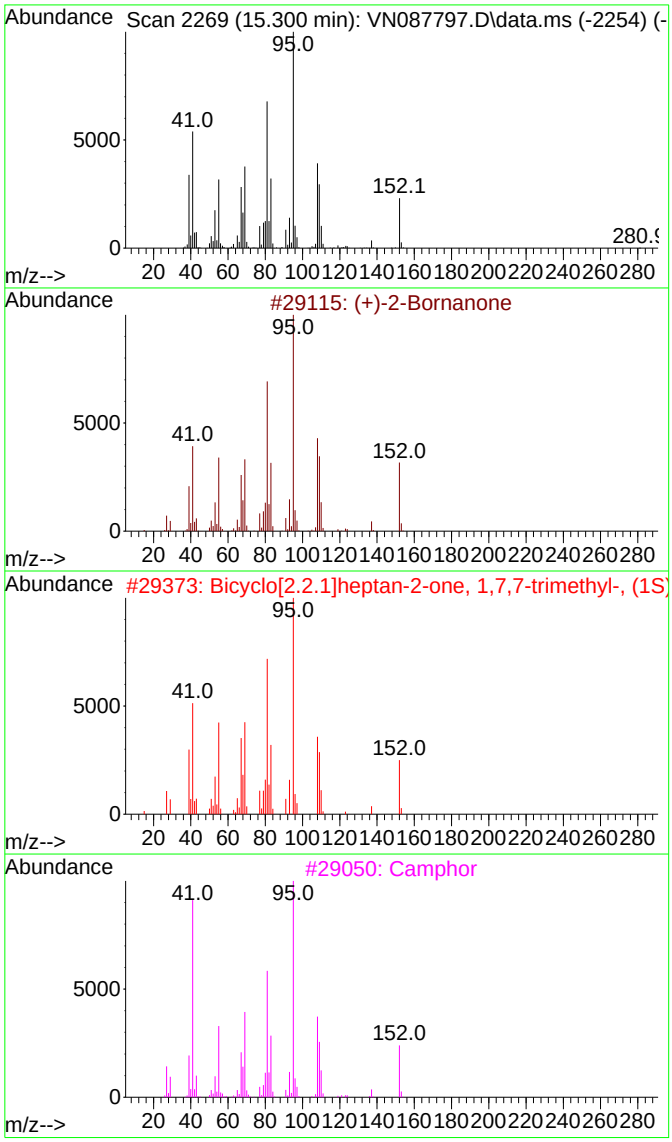
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

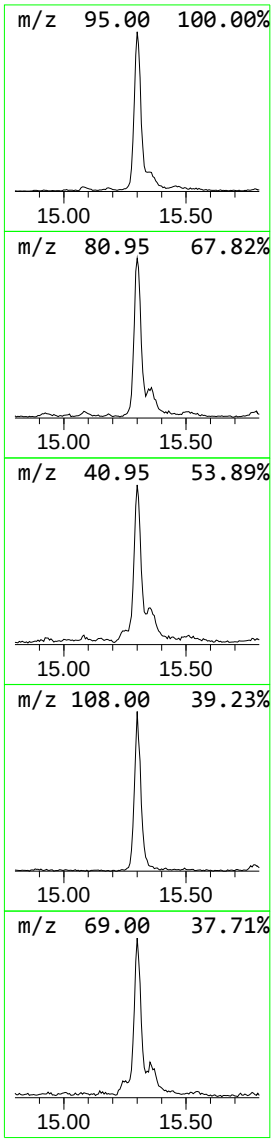
****

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.300	78.93 ug/l	2523460	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	(+)-2-Bornanone	152	C10H16O	000464-49-3	98
2	Bicyclo[2.2.1]heptan-2-one, 1,7,...	152	C10H16O	000464-48-2	98
3	Camphor	152	C10H16O	000076-22-2	97
4	2-Butanone, 4-(5-methyl-2-furanyl)-	152	C9H12O2	013679-56-6	47
5	1,4-Pentadiene, 2,3,3-trimethyl-	110	C8H14	000756-02-5	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

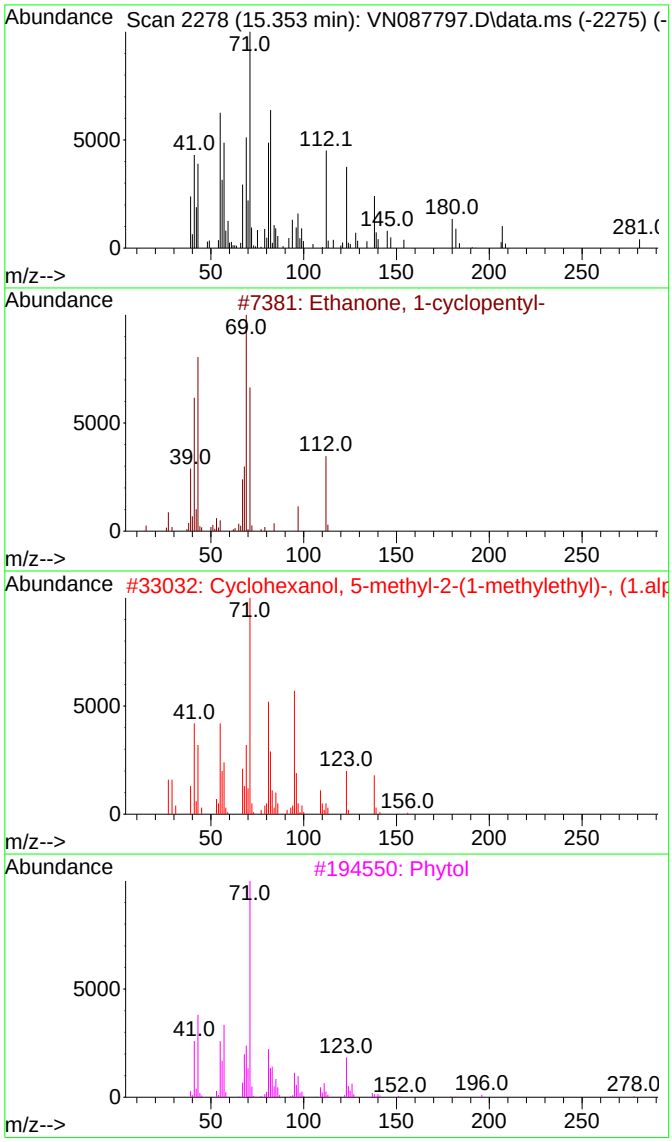
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

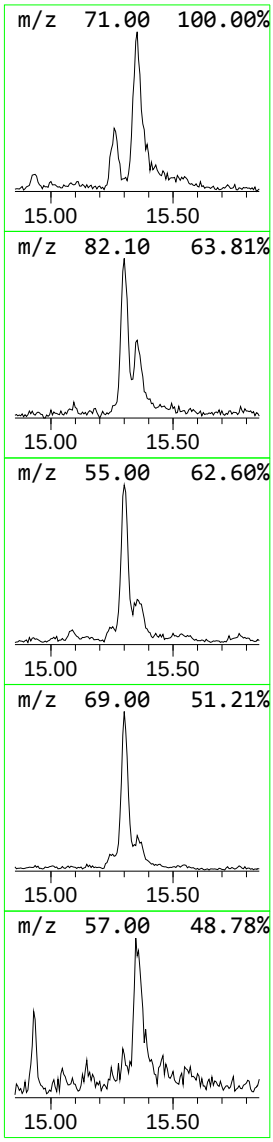
****

Peak Number 9 unknown15.353 Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.353	18.08 ug/l	577904	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanone, 1-cyclopentyl-	112	C7H12O	006004-60-0	38
2	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	000491-02-1	38
3	Phytol	296	C20H40O	000150-86-7	35
4	Cyclohexanol, 5-methyl-2-(1-meth...	156	C10H20O	002216-52-6	35
5	Malonic acid, neopentyl tridecyl...	356	C21H40O4	1000363-93-6	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

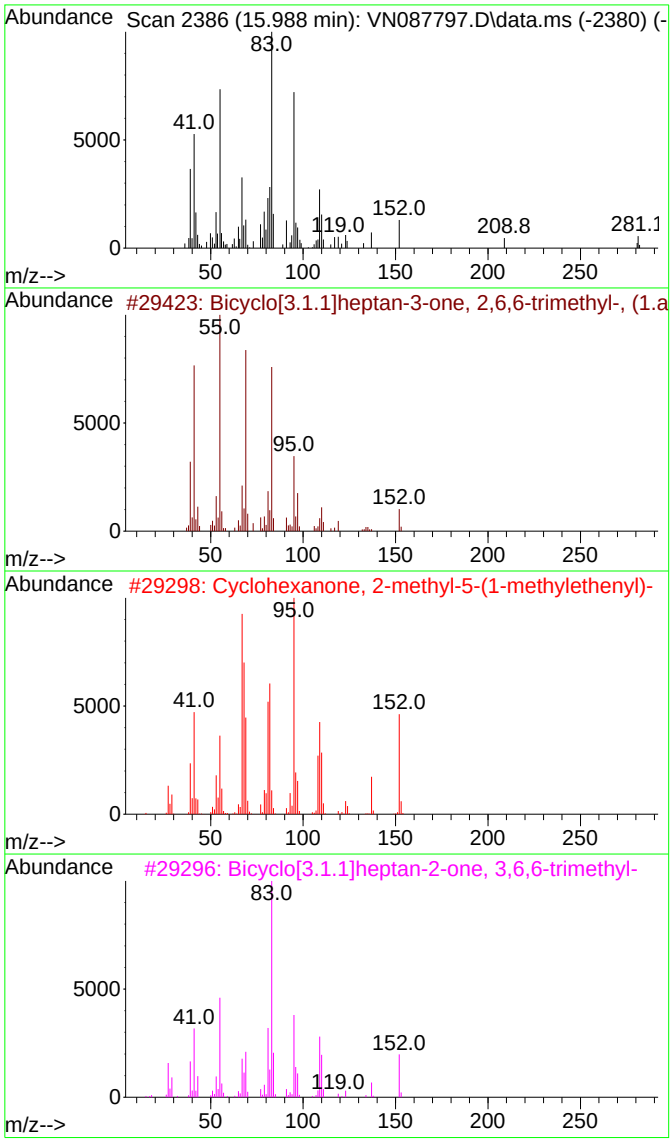
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

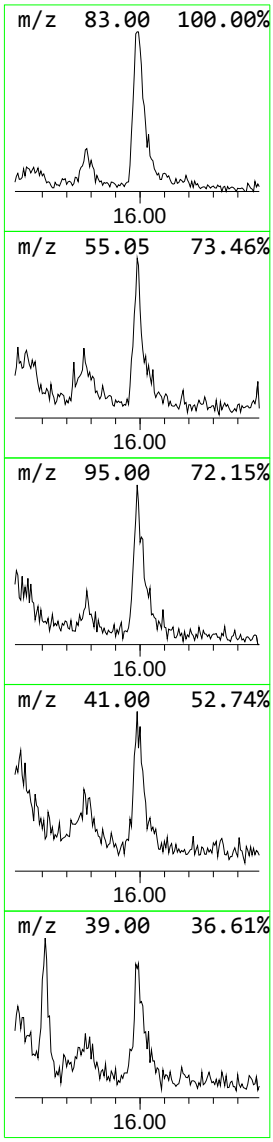
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 10 Bicyclo[3.1.1]heptan-3-one,... Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.988	6.74 ug/l	215508	1,4-Dichlorobenzene-d4	13.771

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	015358-88-0	72
2	Cyclohexanone, 2-methyl-5-(1-met...	152	C10H16O	007764-50-3	70
3	Bicyclo[3.1.1]heptan-2-one, 3,6,...	152	C10H16O	016022-08-5	60
4	Bicyclo[3.1.1]heptan-3-one, 2,6,...	152	C10H16O	000547-60-4	52
5	Bicyclo[4.1.0]heptan-2-one, 3,5,...	152	C10H16O	029750-24-1	30





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087797.D
Acq On : 11 Sep 2025 15:03
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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
Methanethiol	2.859	23.7	ug/l	324763	1	8.206	683881	50.0
2-Butanethiol	8.647	85.0	ug/l	1969110	2	9.083	1158820	50.0
2-Pentanone	9.512	8.7	ug/l	202446	2	9.083	1158820	50.0
3-Pentanone, 2,...	11.153	10.3	ug/l	312863	3	11.841	1520610	50.0
Fenchone	14.653	52.7	ug/l	1683990	4	13.771	1598570	50.0
(+)-2-Bornanone	15.300	78.9	ug/l	2523460	4	13.771	1598570	50.0
unknown15.353	15.353	18.1	ug/l	577904	4	13.771	1598570	50.0
Bicyclo[3.1.1]h...	15.988	6.7	ug/l	215508	4	13.771	1598570	50.0

Raw Data: **VN087807.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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOADL	SDG No.:	Q3078
Lab Sample ID:	Q3078-01DL	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:	Date Analyzed	Prep Batch ID
VN087807.D	10	09/11/25 18:32	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	2.20	UD	2.20	10.0	ug/L
74-87-3	Chloromethane	3.20	UDQ	3.20	10.0	ug/L
75-01-4	Vinyl Chloride	2.60	UD	2.60	10.0	ug/L
74-83-9	Bromomethane	14.4	UDQ	14.4	50.0	ug/L
75-00-3	Chloroethane	4.70	UD	4.70	10.0	ug/L
75-69-4	Trichlorofluoromethane	3.30	UD	3.30	10.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	UD	2.50	10.0	ug/L
75-35-4	1,1-Dichloroethene	2.30	UD	2.30	10.0	ug/L
67-64-1	Acetone	1100	D	15.1	50.0	ug/L
75-15-0	Carbon Disulfide	8.10	JD	2.10	10.0	ug/L
1634-04-4	Methyl tert-butyl Ether	1.60	UD	1.60	10.0	ug/L
79-20-9	Methyl Acetate	2.70	UD	2.70	10.0	ug/L
75-09-2	Methylene Chloride	2.80	UD	2.80	10.0	ug/L
156-60-5	trans-1,2-Dichloroethene	2.30	UD	2.30	10.0	ug/L
75-34-3	1,1-Dichloroethane	2.30	UD	2.30	10.0	ug/L
110-82-7	Cyclohexane	14.5	UD	14.5	50.0	ug/L
78-93-3	2-Butanone	1300	D	9.80	50.0	ug/L
56-23-5	Carbon Tetrachloride	2.50	UDQ	2.50	10.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1.90	UD	1.90	10.0	ug/L
74-97-5	Bromochloromethane	2.20	UD	2.20	10.0	ug/L
67-66-3	Chloroform	2.50	UD	2.50	10.0	ug/L
71-55-6	1,1,1-Trichloroethane	2.00	UD	2.00	10.0	ug/L
108-87-2	Methylcyclohexane	1.60	UDQ	1.60	10.0	ug/L
71-43-2	Benzene	4.20	JDQ	1.50	10.0	ug/L
107-06-2	1,2-Dichloroethane	2.20	UD	2.20	10.0	ug/L
79-01-6	Trichloroethene	0.93	UD	0.93	10.0	ug/L
78-87-5	1,2-Dichloropropane	2.00	UD	2.00	10.0	ug/L
75-27-4	Bromodichloromethane	2.20	UDQ	2.20	10.0	ug/L
108-10-1	4-Methyl-2-Pentanone	12.3	JD	6.80	50.0	ug/L
108-88-3	Toluene	7.70	JD	1.40	10.0	ug/L

Raw Data: **VN087807.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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOADL	SDG No.:	Q3078
Lab Sample ID:	Q3078-01DL	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:	Date Analyzed	Prep Batch ID
VN087807.D	10	09/11/25 18:32	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	1.70	UDQ	1.70	10.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	1.60	UDQ	1.60	10.0	ug/L
79-00-5	1,1,2-Trichloroethane	2.10	UDQ	2.10	10.0	ug/L
591-78-6	2-Hexanone	8.90	UD	8.90	50.0	ug/L
124-48-1	Dibromochloromethane	1.80	UDQ	1.80	10.0	ug/L
106-93-4	1,2-Dibromoethane	1.50	UDQ	1.50	10.0	ug/L
127-18-4	Tetrachloroethene	2.30	UD	2.30	10.0	ug/L
108-90-7	Chlorobenzene	1.20	UDQ	1.20	10.0	ug/L
100-41-4	Ethyl Benzene	7.10	JDQ	1.30	10.0	ug/L
179601-23-1	m/p-Xylenes	6.20	JDQ	2.40	20.0	ug/L
95-47-6	o-Xylene	3.30	JDQ	1.20	10.0	ug/L
100-42-5	Styrene	1.50	UDQ	1.50	10.0	ug/L
75-25-2	Bromoform	1.90	UDQ	1.90	10.0	ug/L
98-82-8	Isopropylbenzene	1.20	UD	1.20	10.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	2.60	UD	2.60	10.0	ug/L
541-73-1	1,3-Dichlorobenzene	1.60	UDQ	1.60	10.0	ug/L
106-46-7	1,4-Dichlorobenzene	1.90	UD	1.90	10.0	ug/L
95-50-1	1,2-Dichlorobenzene	1.60	UDQ	1.60	10.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	UD	5.30	10.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	2.00	UD	2.00	10.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	2.00	UD	2.00	10.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.1		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	47.2		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.4		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	176000	8.212			
540-36-3	1,4-Difluorobenzene	395000	9.082			
3114-55-4	Chlorobenzene-d5	378000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.77			

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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910074-01-VOADL	SDG No.:	Q3078
Lab Sample ID:	Q3078-01DL	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:	Date Analyzed	Prep Batch ID
VN087807.D	10	09/11/25 18:32	VN091125

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\VN091125\
Data File : VN087807.D
Acq On : 11 Sep 2025 18:32
Operator : JC\MD
Sample : Q3078-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Quant Time: Sep 12 04:20:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

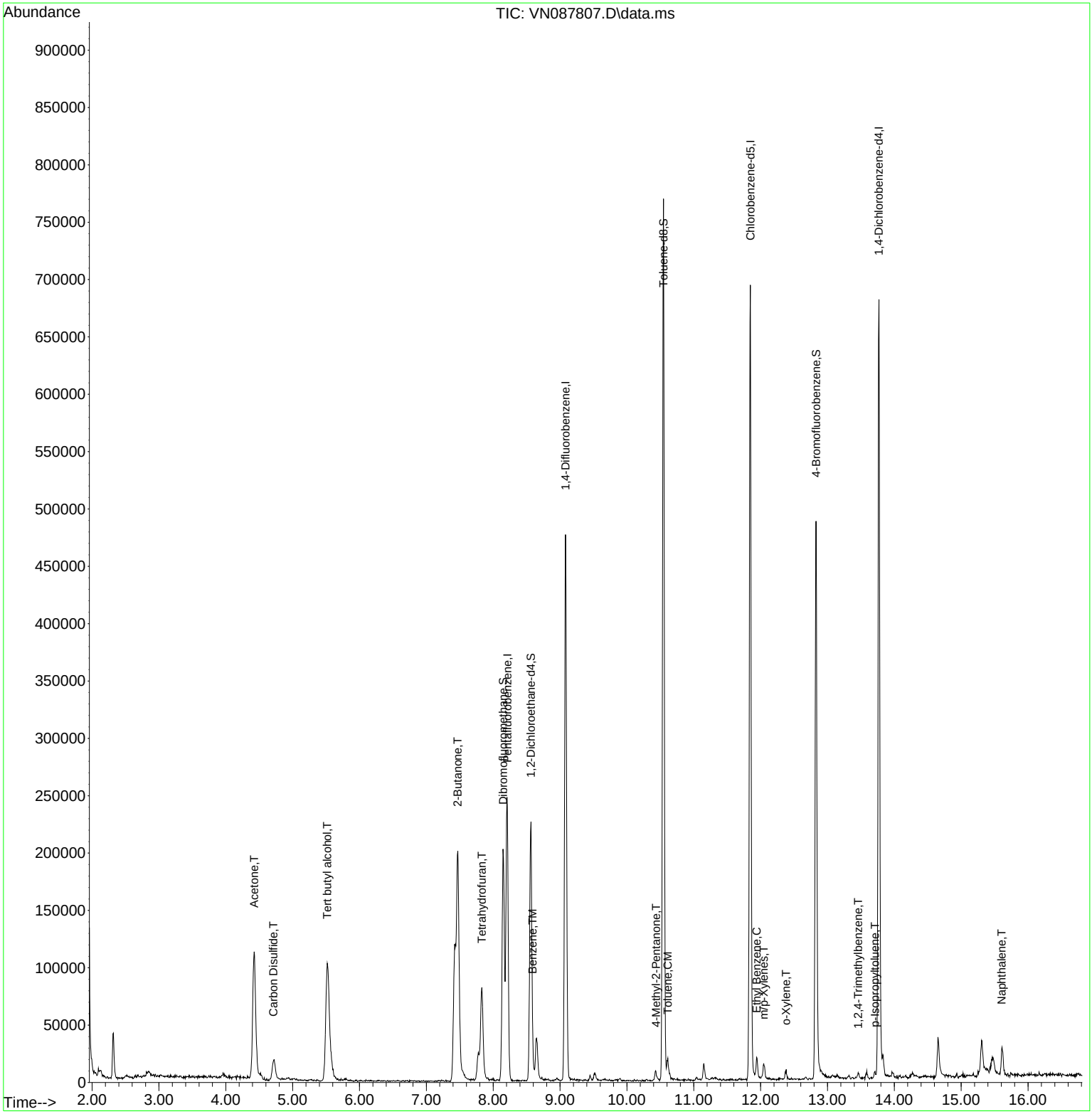
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	176010	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	395199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	377973	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	182604	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	184426	51.141	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.280%			
35) Dibromofluoromethane	8.147	113	145802	51.099	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.547	98	503787	47.173	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.340%			
62) 4-Bromofluorobenzene	12.829	95	172489	45.416	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.840%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.518	59	194467	310.622	ug/l	99
16) Acetone	4.424	43	217527	110.807	ug/l	99
17) Carbon Disulfide	4.712	76	5683	0.813	ug/l	97
25) 2-Butanone	7.471	43	324065	125.474	ug/l	98
29) Tetrahydrofuran	7.830	42	61891	37.236	ug/l	98
40) Benzene	8.588	78	5631	0.419	ug/l #	82
51) 4-Methyl-2-Pentanone	10.435	43	6926	1.229	ug/l	97
52) Toluene	10.612	92	6365	0.765	ug/l	98
67) Ethyl Benzene	11.941	91	11471	0.705	ug/l	100
68) m/p-Xylenes	12.047	106	3715	0.622	ug/l	89
69) o-Xylene	12.382	106	1927	0.329	ug/l	70
84) 1,2,4-Trimethylbenzene	13.459	105	3609	0.288	ug/l	85
86) p-Isopropyltoluene	13.712	119	3216	0.252	ug/l	82
95) Naphthalene	15.606	128	24263	1.755	ug/l	99

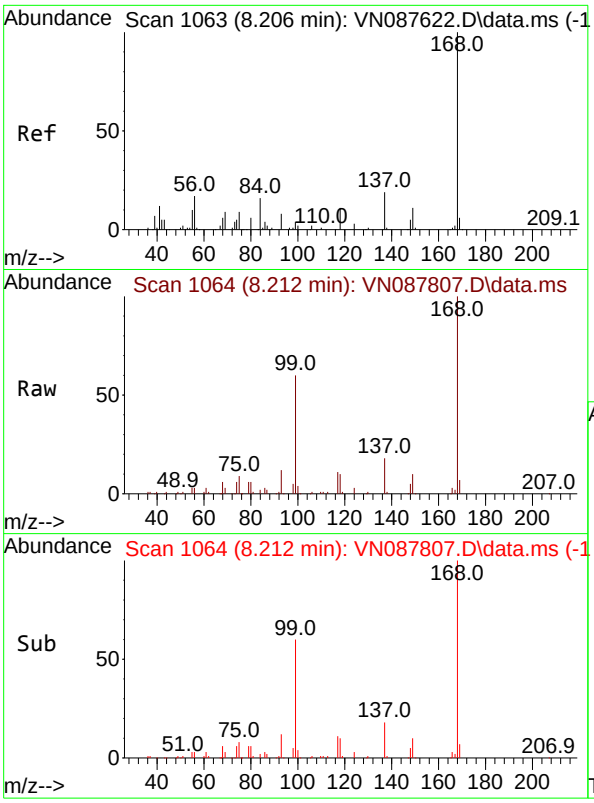
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087807.D
Acq On : 11 Sep 2025 18:32
Operator : JC\MD
Sample : Q3078-01DL 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Quant Time: Sep 12 04:20:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



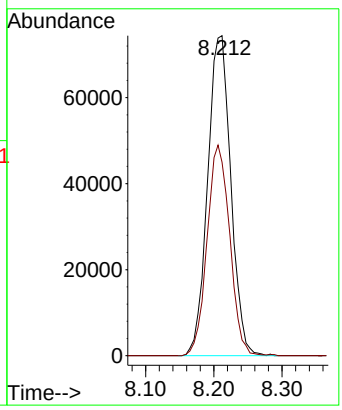


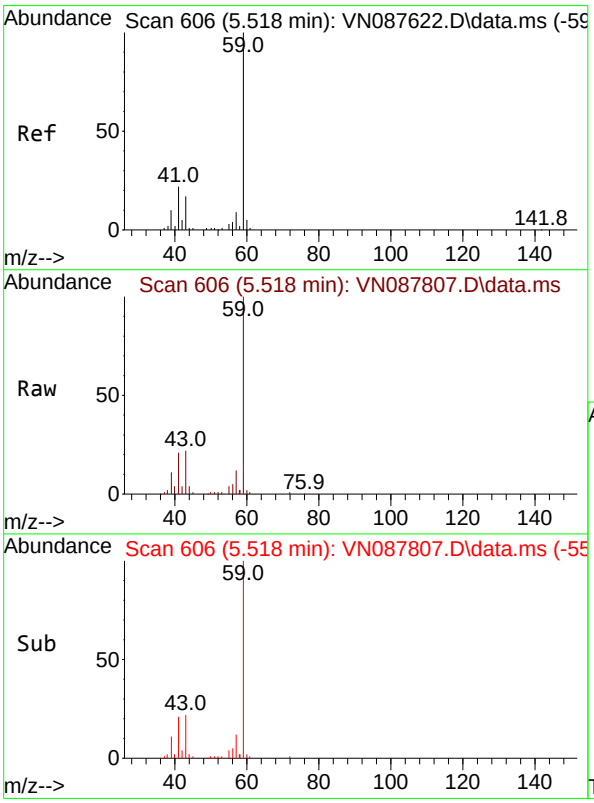
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:168 Resp: 176010

Ion	Ratio	Lower	Upper
168	100		
99	60.4	57.2	85.8

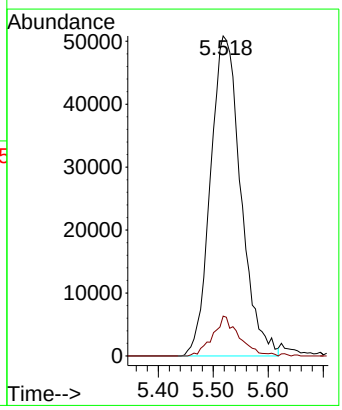


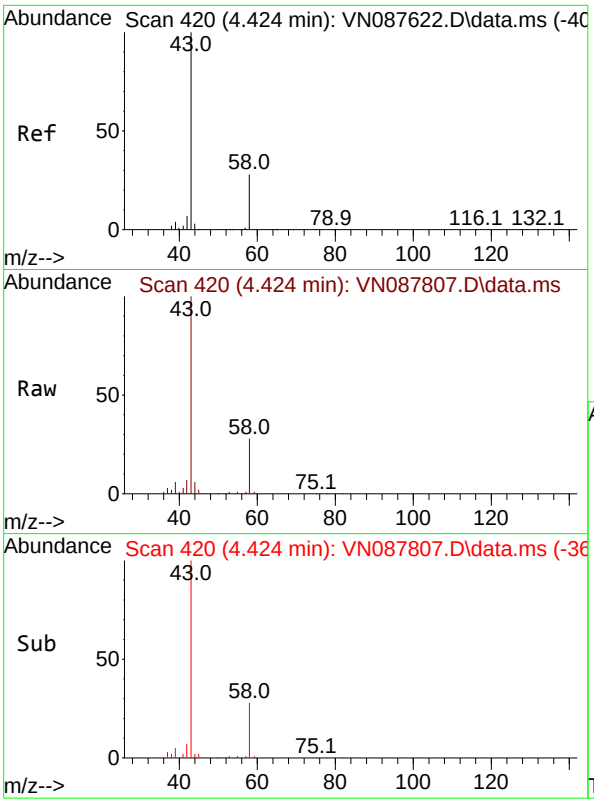


#11
Tert butyl alcohol
Concen: 310.622 ug/l
RT: 5.518 min Scan# 606
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 59 Resp: 194467

Ion	Ratio	Lower	Upper
59	100		
57	10.8	9.0	13.4



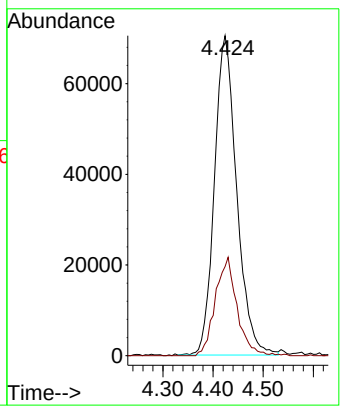


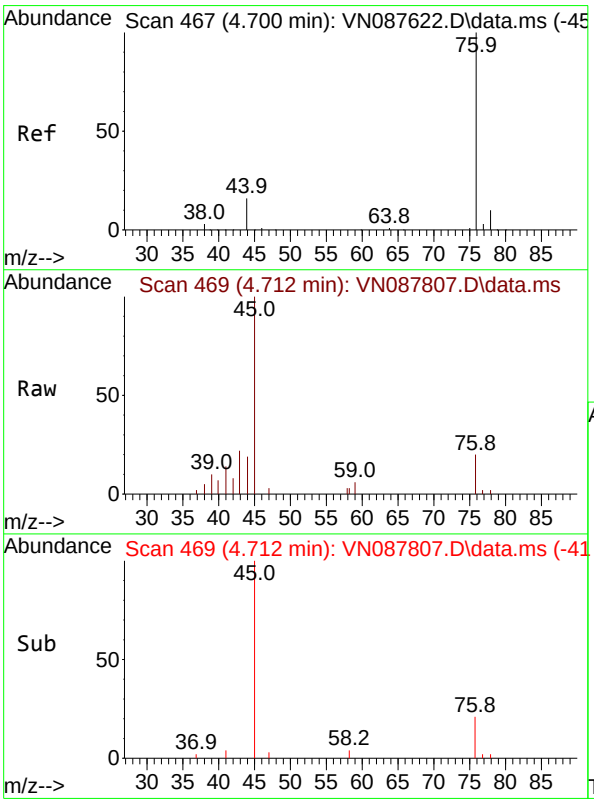
#16
Acetone
Concen: 110.807 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion: 43 Resp: 217527

Ion	Ratio	Lower	Upper
43	100		
58	27.9	22.6	33.8

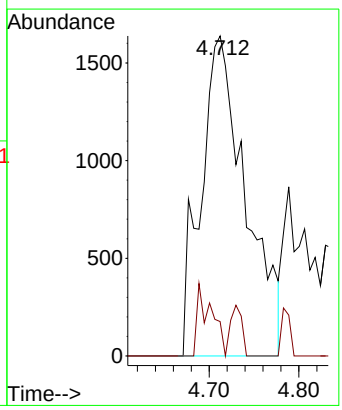


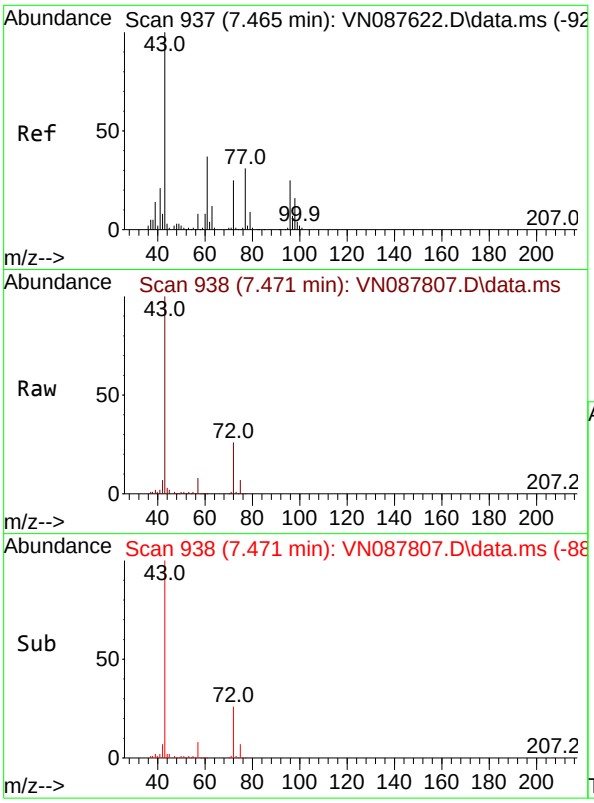


#17
Carbon Disulfide
Concen: 0.813 ug/l
RT: 4.712 min Scan# 469
Delta R.T. 0.012 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 76 Resp: 5683

Ion	Ratio	Lower	Upper
76	100		
78	10.7	7.6	11.4



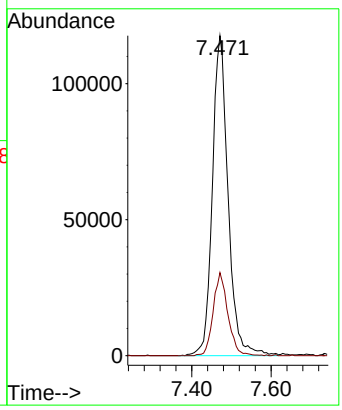


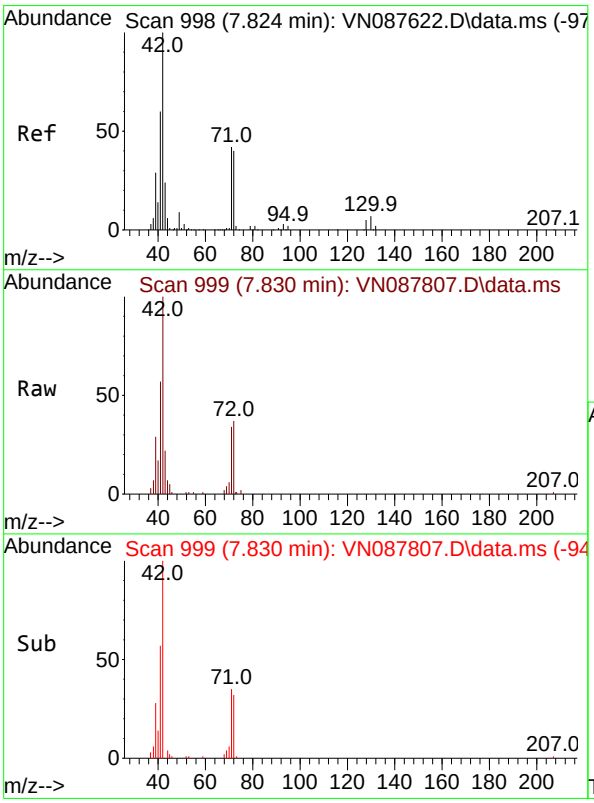
#25
2-Butanone
Concen: 125.474 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion: 43 Resp: 324065

Ion	Ratio	Lower	Upper
43	100		
72	26.0	19.9	29.9

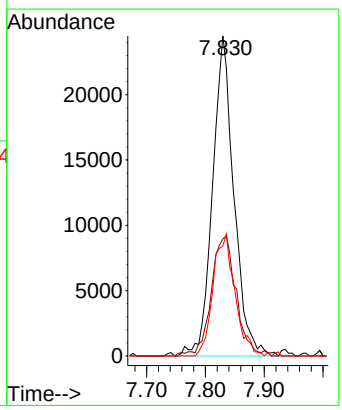


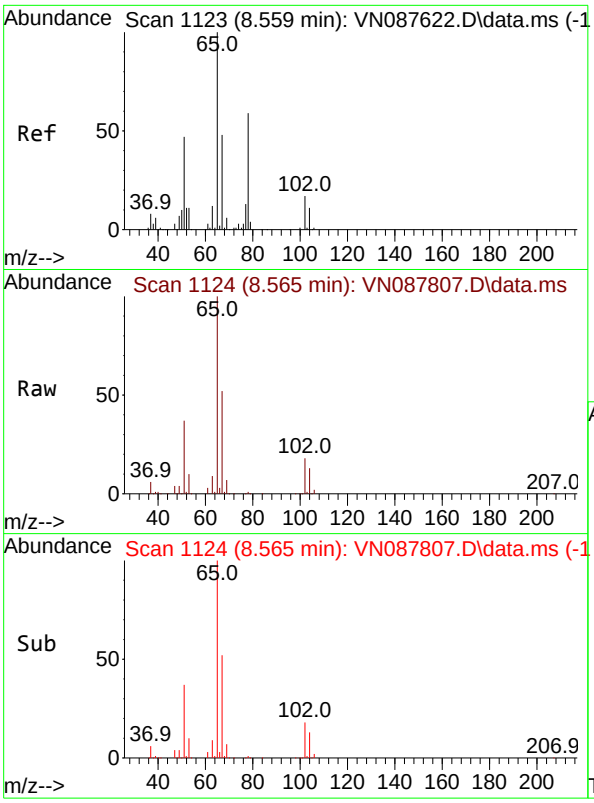


#29
Tetrahydrofuran
Concen: 37.236 ug/l
RT: 7.830 min Scan# 999
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 42 Resp: 61891

Ion	Ratio	Lower	Upper
42	100		
72	43.6	33.7	50.5
71	38.9	31.9	47.9



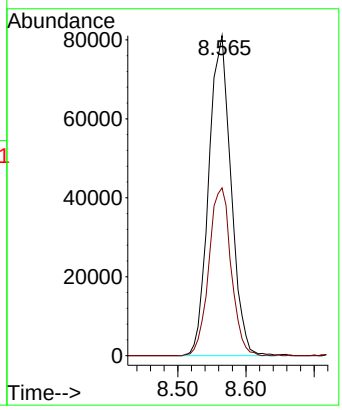


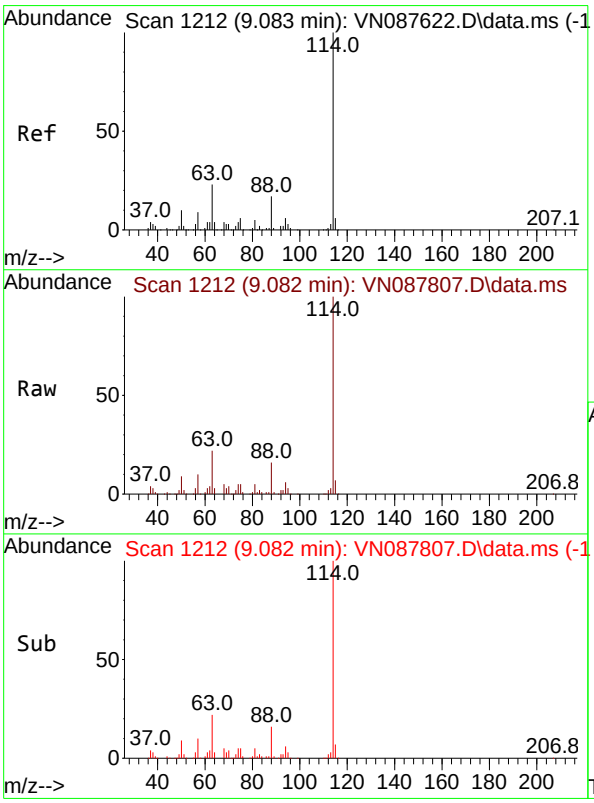
#33
1,2-Dichloroethane-d4
Concen: 51.141 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion: 65 Resp: 184426

Ion	Ratio	Lower	Upper
65	100		
67	52.5	0.0	100.0

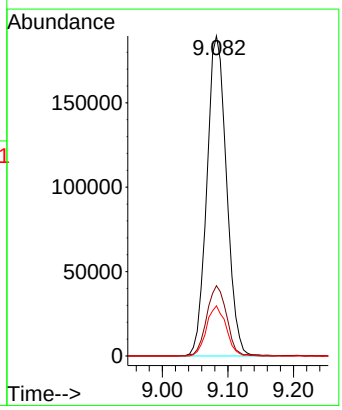


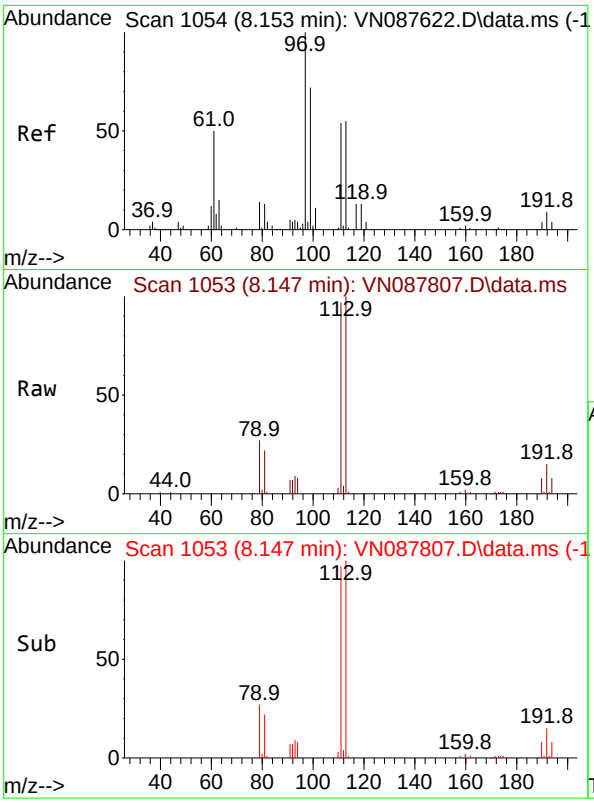


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion:114 Resp: 395199

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	45.2
88	15.7	0.0	33.4



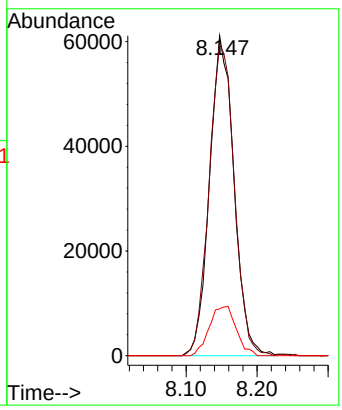


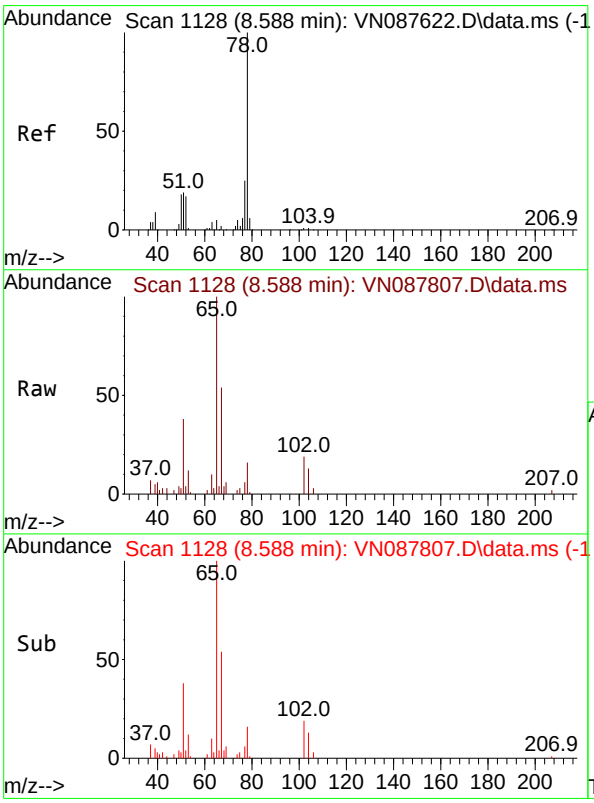
#35
Dibromofluoromethane
Concen: 51.099 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:113 Resp: 145802

Ion	Ratio	Lower	Upper
113	100		
111	100.8	82.8	124.2
192	17.0	12.8	19.2

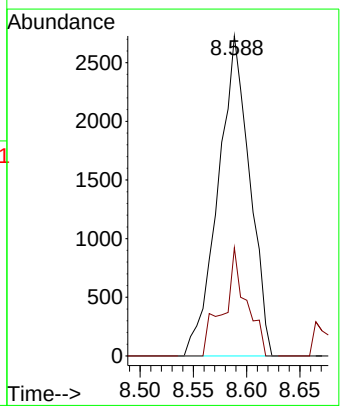


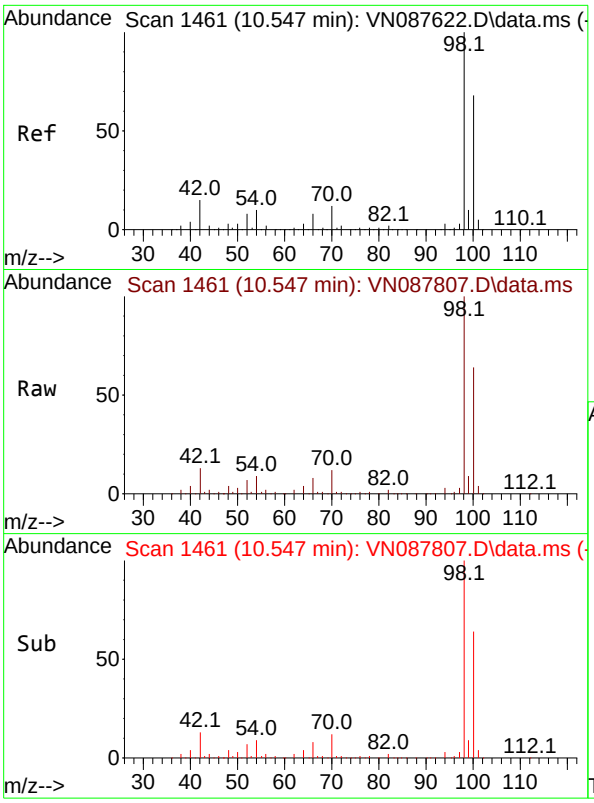


#40
Benzene
Concen: 0.419 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 78 Resp: 5631

Ion	Ratio	Lower	Upper
78	100		
77	33.8	19.7	29.5#



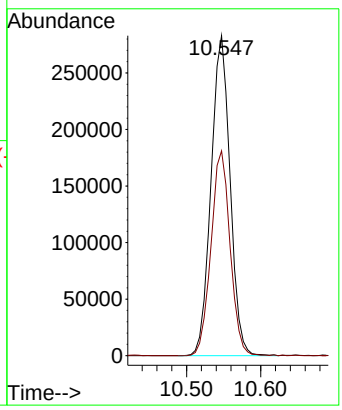


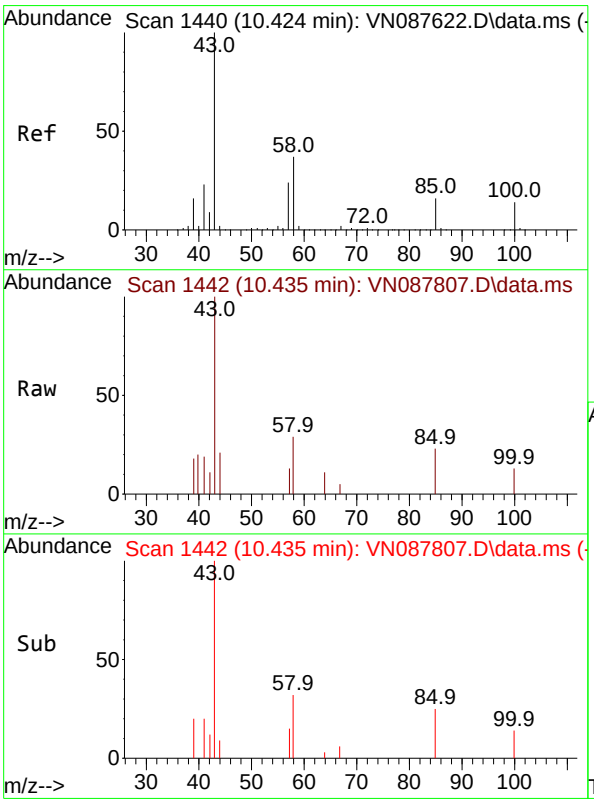
#50
Toluene-d8
Concen: 47.173 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion: 98 Resp: 503787

Ion	Ratio	Lower	Upper
98	100		
100	64.3	52.8	79.2

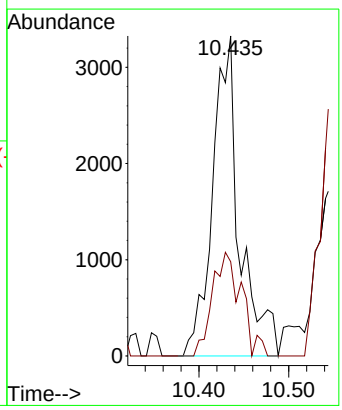


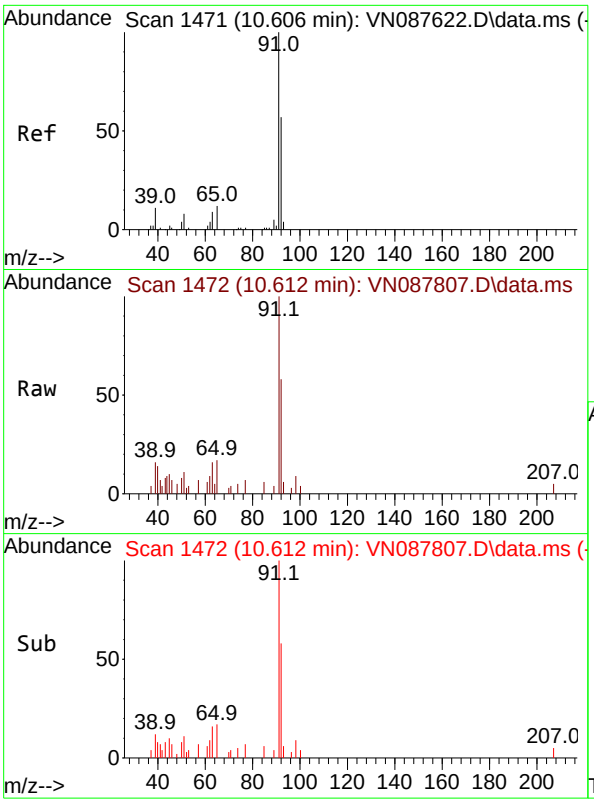


#51
4-Methyl-2-Pentanone
Concen: 1.229 ug/l
RT: 10.435 min Scan# 1442
Delta R.T. 0.012 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 43 Resp: 6926

Ion	Ratio	Lower	Upper
43	100		
58	35.0	29.6	44.4



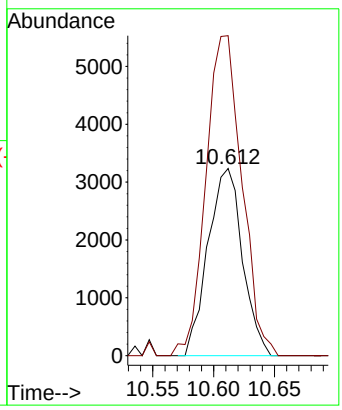


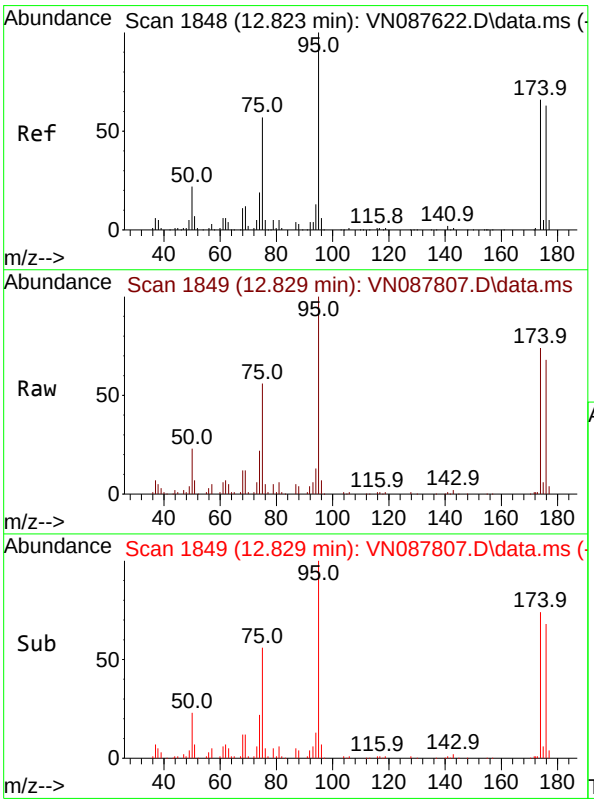
#52
Toluene
Concen: 0.765 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion: 92 Resp: 6365

Ion	Ratio	Lower	Upper
92	100		
91	178.4	140.4	210.6

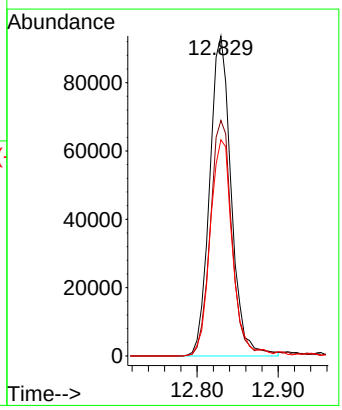


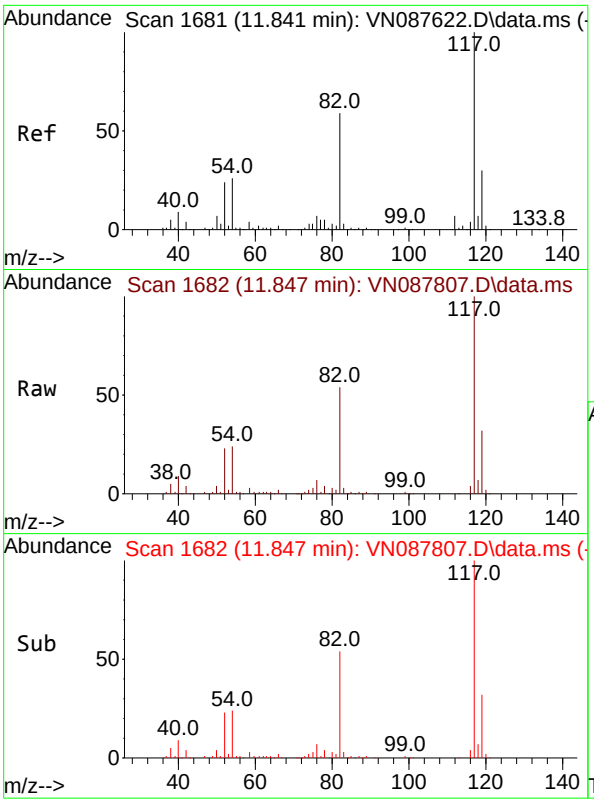


#62
4-Bromofluorobenzene
Concen: 45.416 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 95 Resp: 172489

Ion	Ratio	Lower	Upper
95	100		
174	75.7	0.0	138.4
176	69.8	0.0	132.6



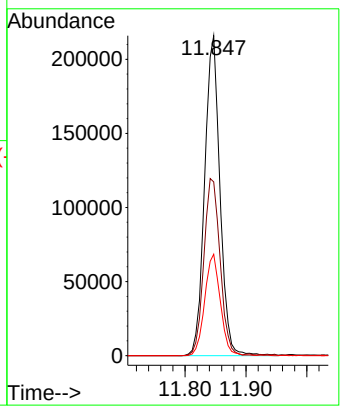


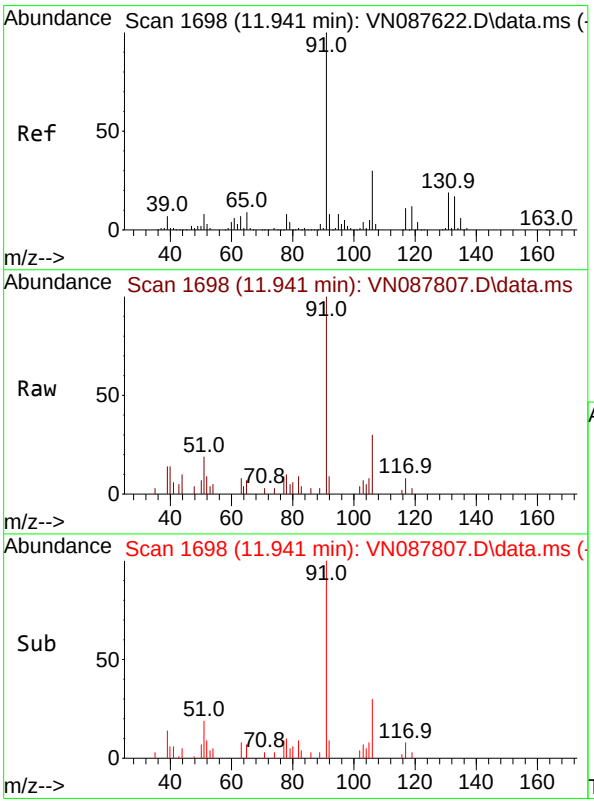
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:117 Resp: 377973

Ion	Ratio	Lower	Upper
117	100		
82	54.3	47.4	71.2
119	31.7	24.3	36.5

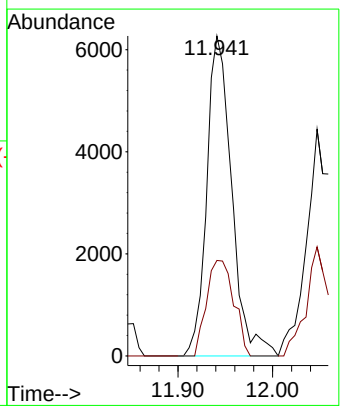


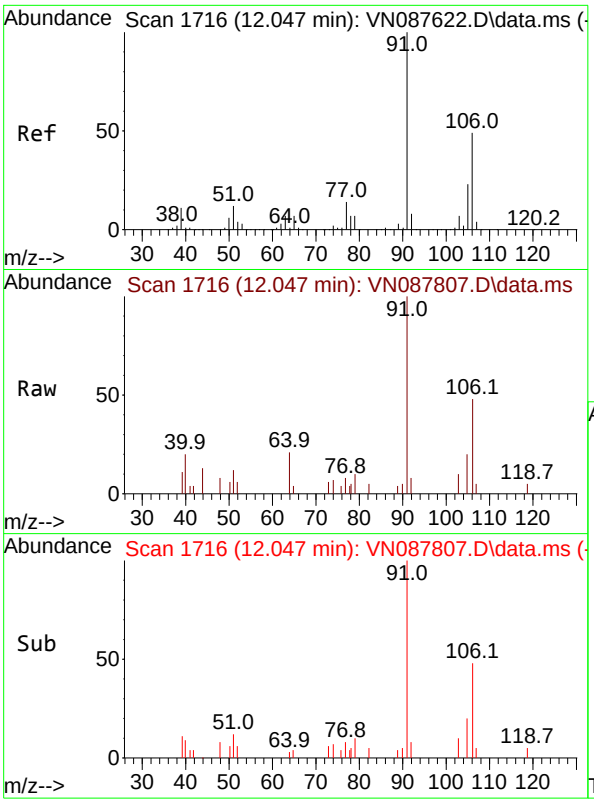


#67
Ethyl Benzene
Concen: 0.705 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion: 91 Resp: 11471

Ion	Ratio	Lower	Upper
91	100		
106	29.9	24.1	36.1



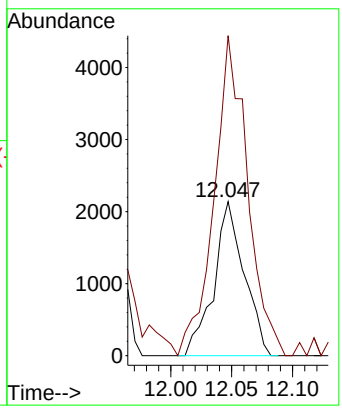


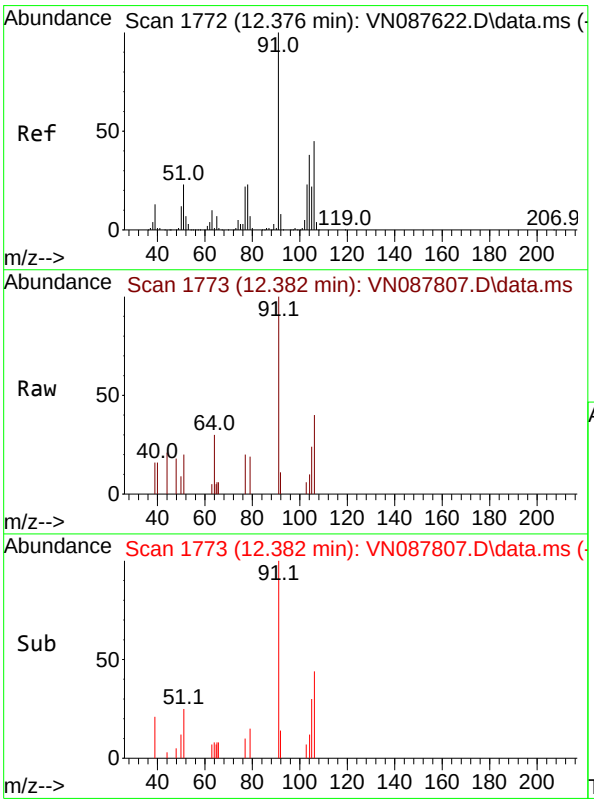
#68
m/p-Xylenes
Concen: 0.622 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:106 Resp: 3715

Ion	Ratio	Lower	Upper
106	100		
91	228.5	169.3	253.9

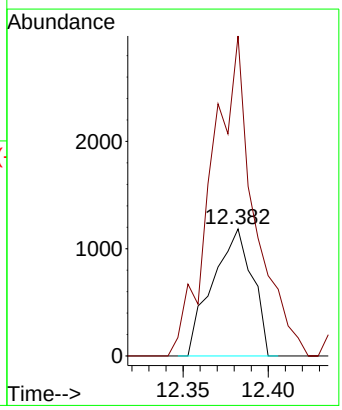


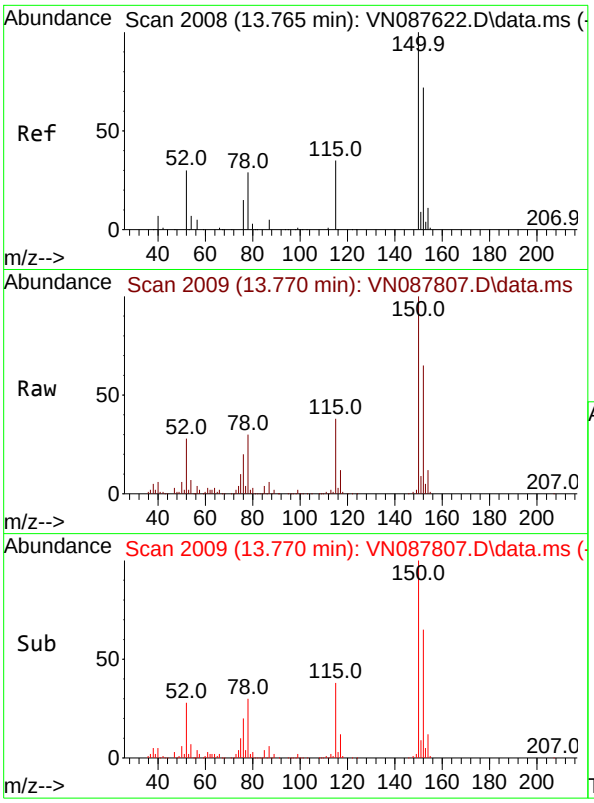


#69
o-Xylene
Concen: 0.329 ug/l
RT: 12.382 min Scan# 1773
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion:106 Resp: 1927

Ion	Ratio	Lower	Upper
106	100		
91	271.6	111.4	334.2



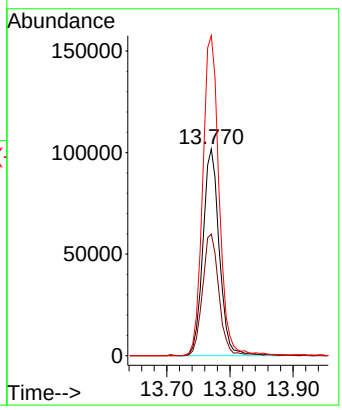


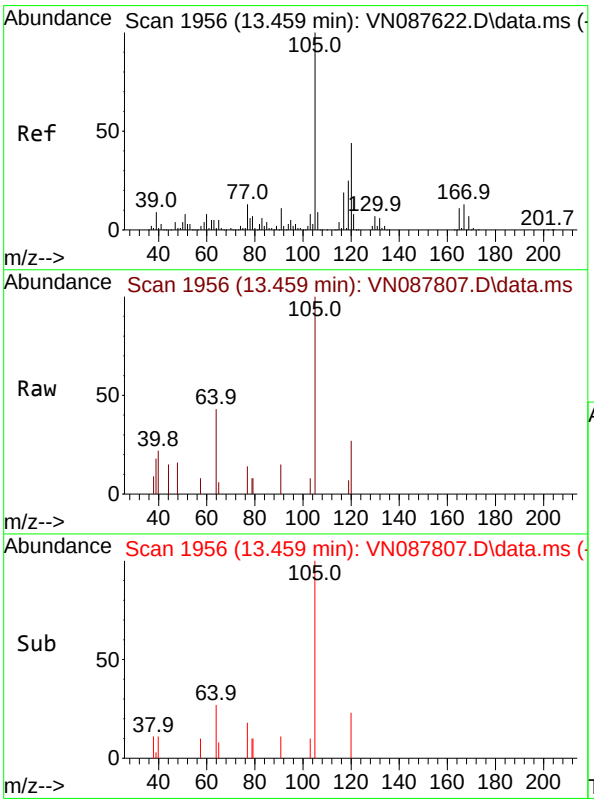
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:152 Resp: 182604

Ion	Ratio	Lower	Upper
152	100		
115	59.7	32.3	96.8
150	154.2	0.0	351.0

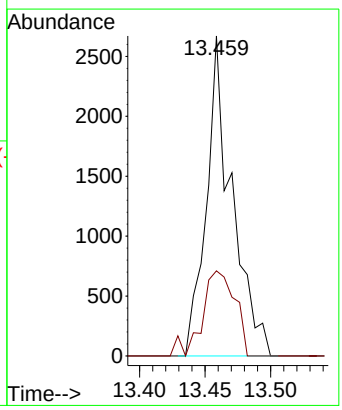


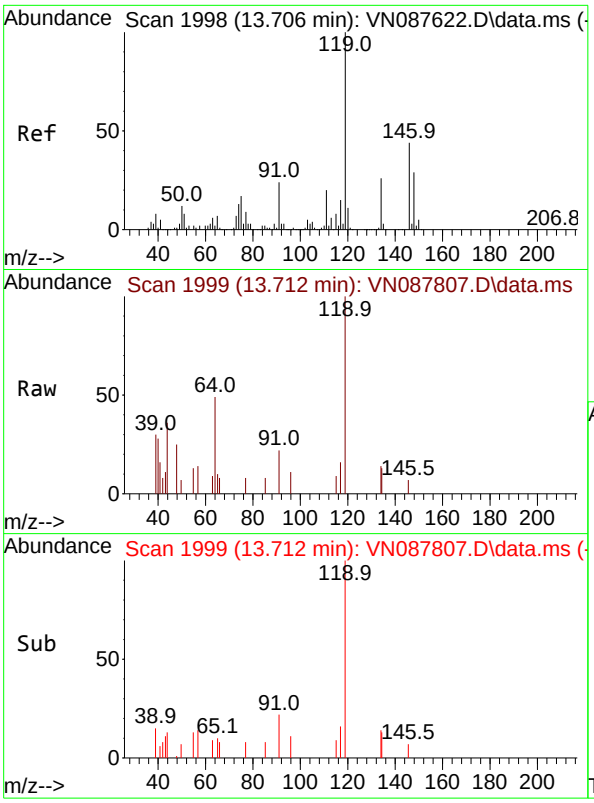


#84
1,2,4-Trimethylbenzene
Concen: 0.288 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion:105 Resp: 3609

Ion	Ratio	Lower	Upper
105	100		
120	34.1	22.0	66.0



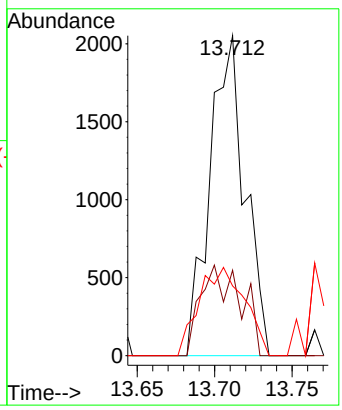


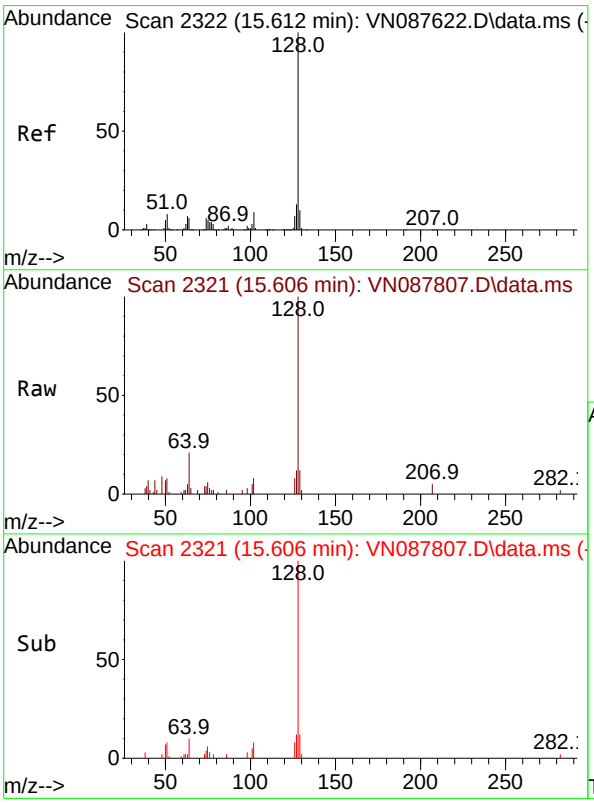
#86
p-Isopropyltoluene
Concen: 0.252 ug/l
RT: 13.712 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOADL

Tgt Ion:119 Resp: 3216

Ion	Ratio	Lower	Upper
119	100		
134	32.3	12.7	38.0
91	36.1	12.5	37.5

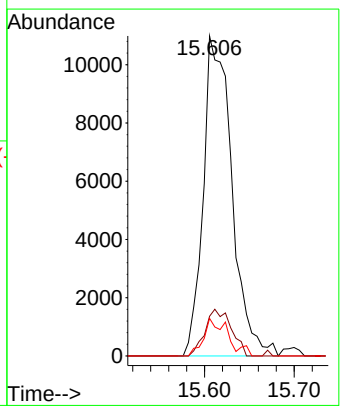




#95
Naphthalene
Concen: 1.755 ug/l
RT: 15.606 min Scan# 2321
Delta R.T. -0.006 min
Lab File: VN087807.D
Acq: 11 Sep 2025 18:32

Tgt Ion:128 Resp: 24263

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.6	15.8
129	9.9	8.6	12.8



Raw Data: **VN087799.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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910064-01-TRIP-BLANK	SDG No.:	Q3078
Lab Sample ID:	Q3078-02	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:	Date Analyzed	Prep Batch ID
VN087799.D	1	09/11/25 15:45	VN091125

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	UQ	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	UQ	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	UQ	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	UQ	0.16	1.00	ug/L
71-43-2	Benzene	0.15	UQ	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	UQ	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

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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910064-01-TRIP-BLANK	SDG No.:	Q3078
Lab Sample ID:	Q3078-02	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:	Date Analyzed	Prep Batch ID
VN087799.D	1	09/11/25 15:45	VN091125

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	UQ	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	UQ	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	UQ	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	UQ	0.12	1.00	ug/L
100-42-5	Styrene	0.15	UQ	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	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	UQ	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	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	51.2		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2		75 - 124	102%	SPK: 50
2037-26-5	Toluene-d8	48.1		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	175000	8.206			
540-36-3	1,4-Difluorobenzene	404000	9.082			
3114-55-4	Chlorobenzene-d5	384000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	178000	13.77			

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:	09/10/25
Project:	Waste Water 2025	Date Received:	09/11/25
Client Sample ID:	250910064-01-TRIP-BLANK	SDG No.:	Q3078
Lab Sample ID:	Q3078-02	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:	Date Analyzed	Prep Batch ID
VN087799.D	1	09/11/25 15:45	VN091125

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\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Quant Time: Sep 12 02:54:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	174645	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	403546	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	384181	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	178191	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	183326	51.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.460%			
35) Dibromofluoromethane	8.147	113	149041	51.154	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.300%			
50) Toluene-d8	10.547	98	524851	48.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.829	95	170158	43.876	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.760%			
Target Compounds						Qvalue

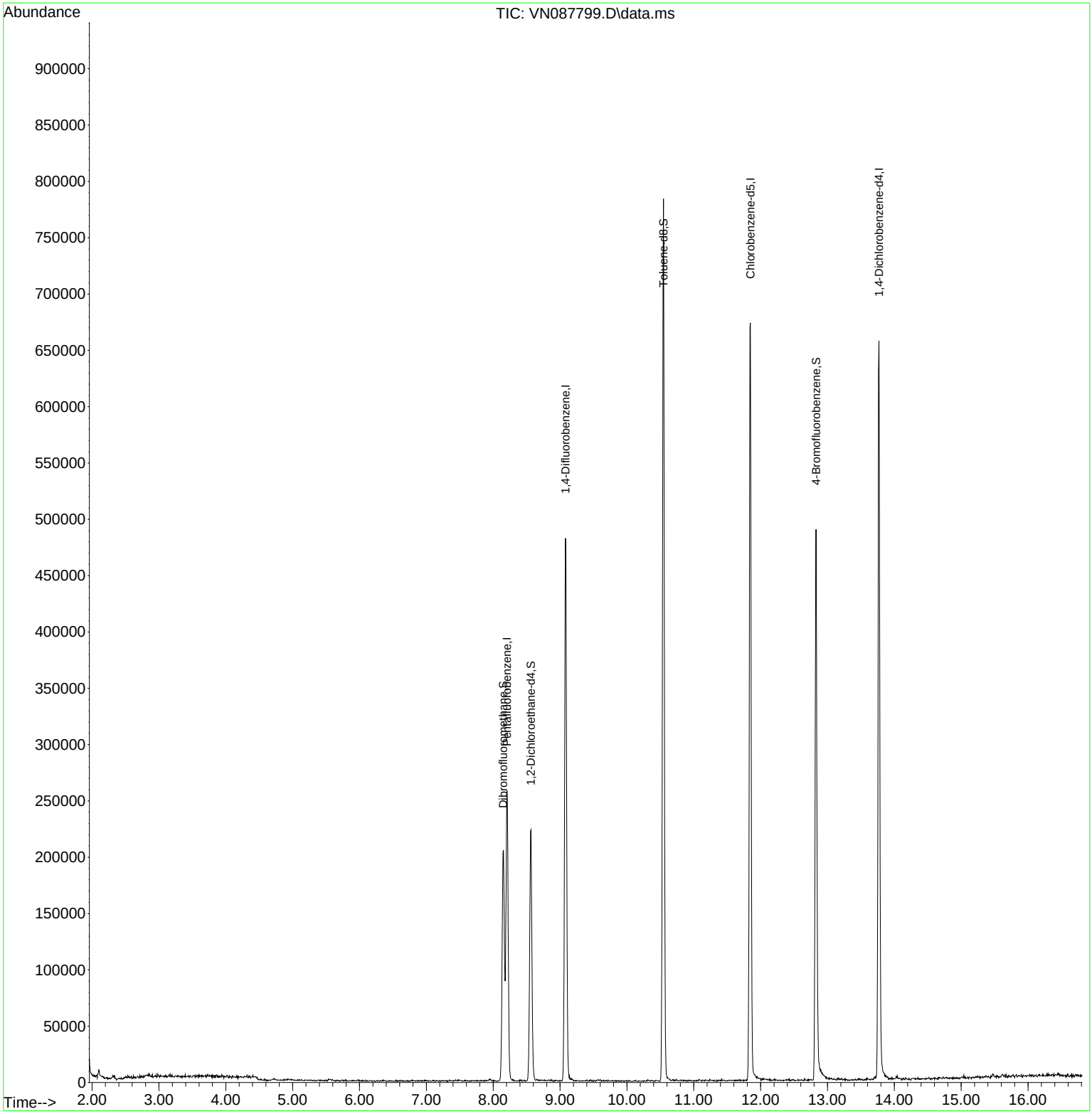
(#) = qualifier out of range (m) = manual integration (+) = signals summed

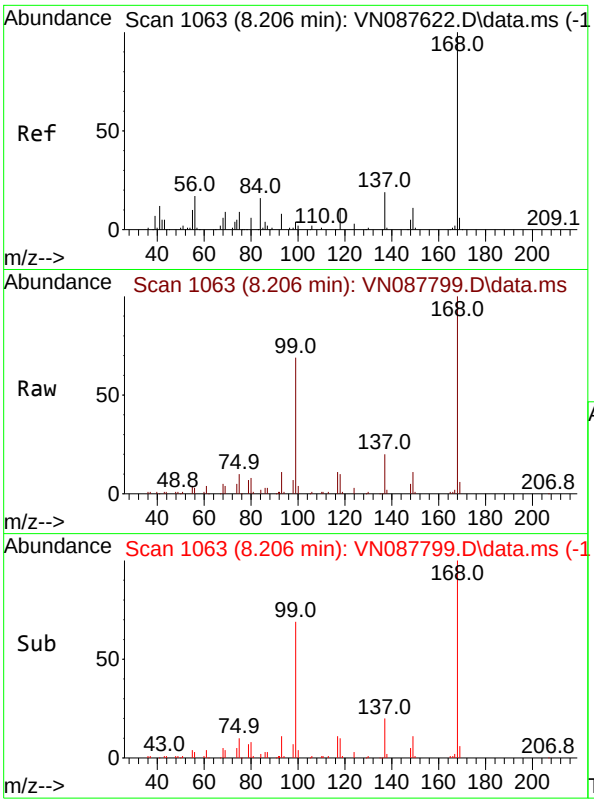
Sample Results: **VN087799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Quant Time: Sep 12 02:54:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



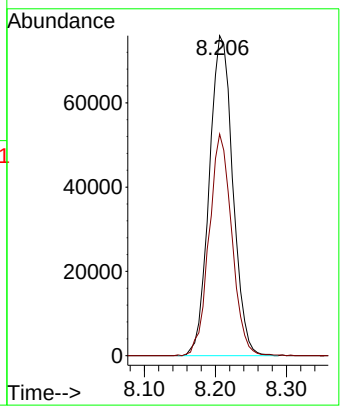


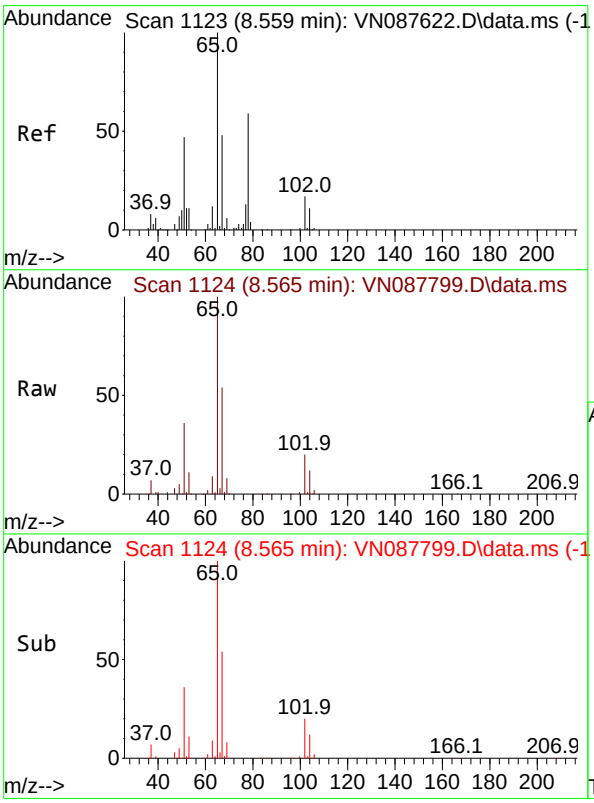
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion:168 Resp: 174645

Ion	Ratio	Lower	Upper
168	100		
99	69.0	57.2	85.8

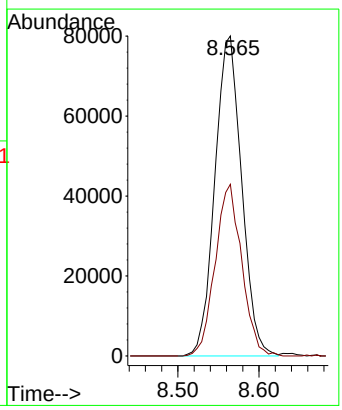


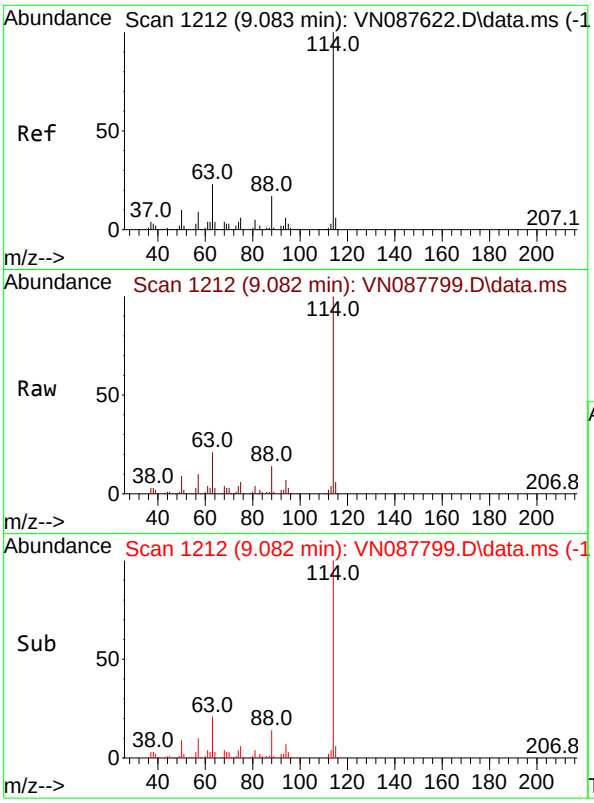


#33
1,2-Dichloroethane-d4
Concen: 51.233 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 65 Resp: 183326

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	100.0



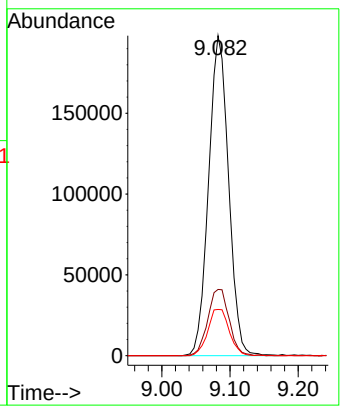


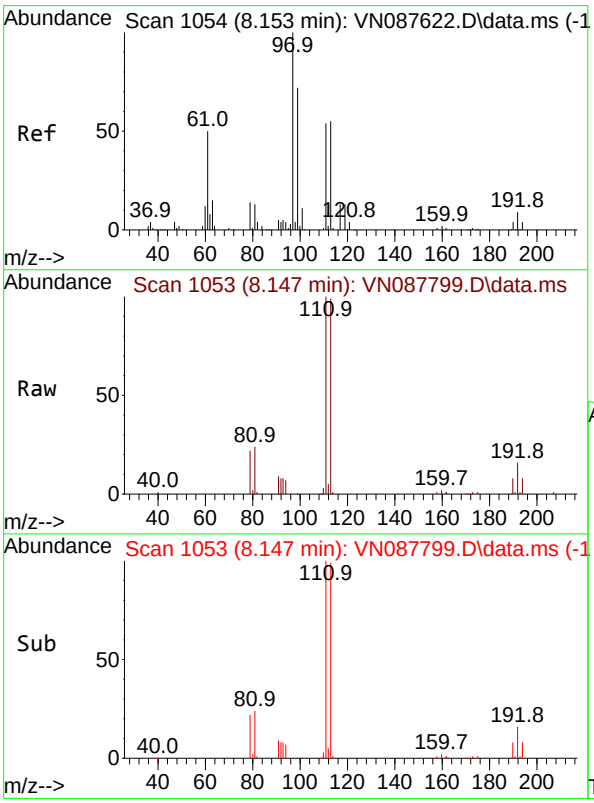
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion:114 Resp: 403546

Ion	Ratio	Lower	Upper
114	100		
63	20.7	0.0	45.2
88	14.5	0.0	33.4

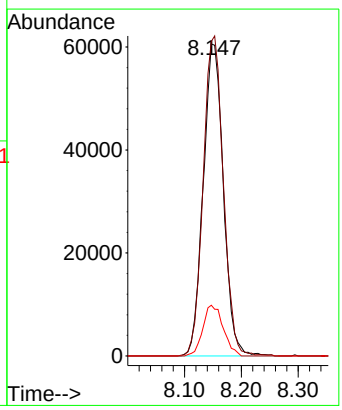


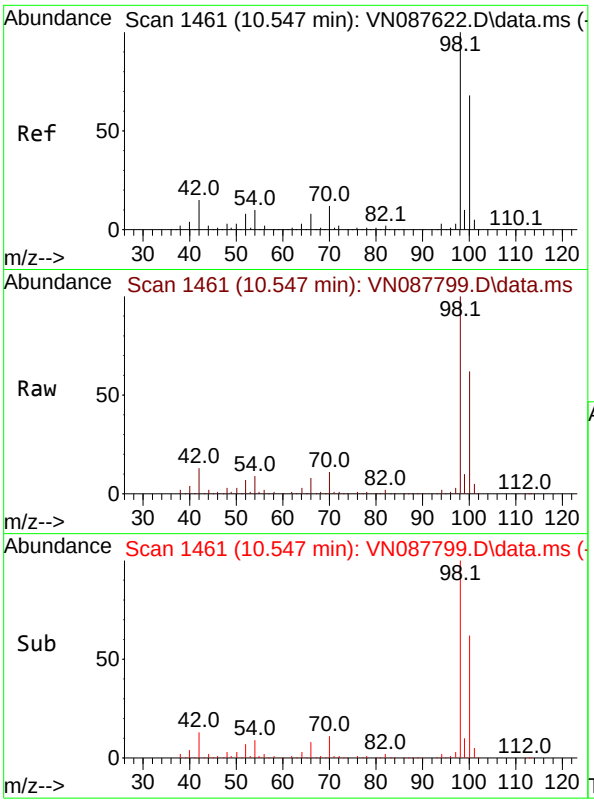


#35
Dibromofluoromethane
Concen: 51.154 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion:113 Resp: 149041

Ion	Ratio	Lower	Upper
113	100		
111	102.2	82.8	124.2
192	16.5	12.8	19.2



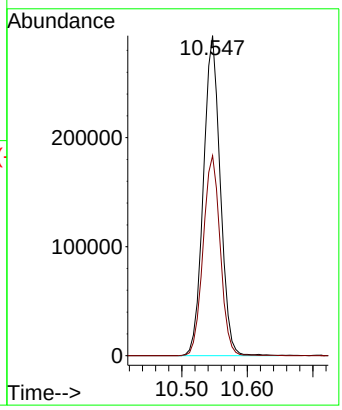


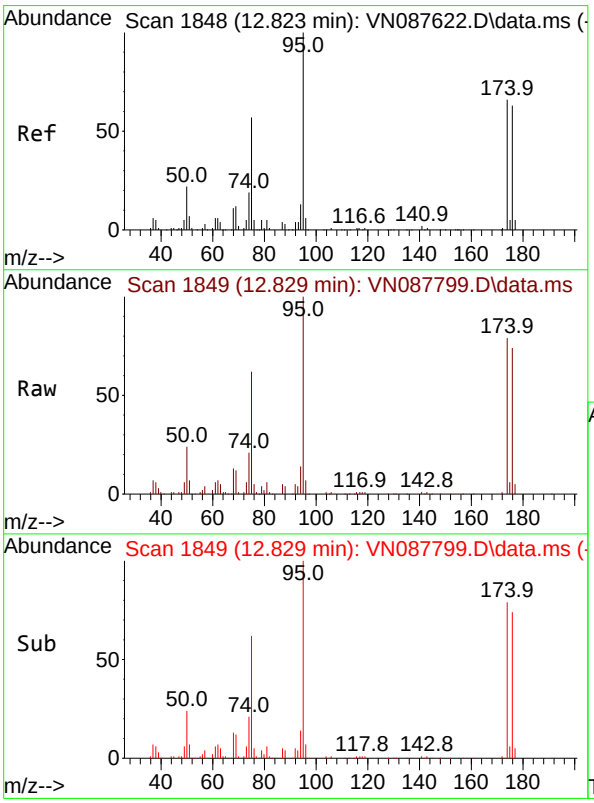
#50
Toluene-d8
Concen: 48.129 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion: 98 Resp: 524851

Ion	Ratio	Lower	Upper
98	100		
100	63.2	52.8	79.2

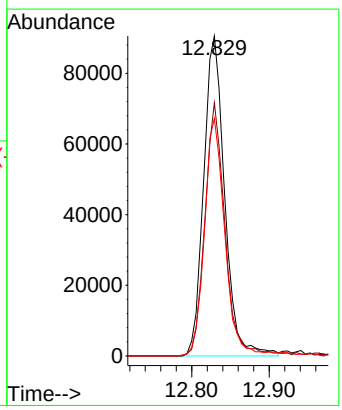


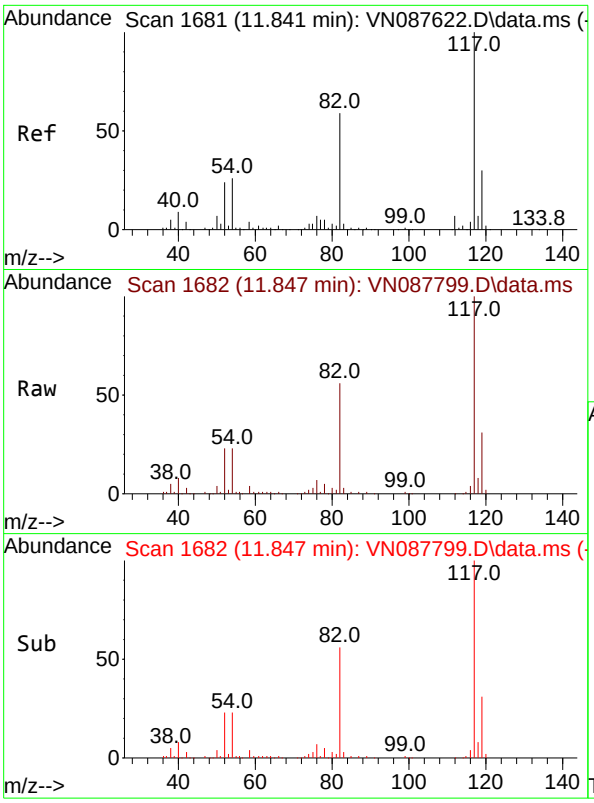


#62
4-Bromofluorobenzene
Concen: 43.876 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion: 95 Resp: 170158

Ion	Ratio	Lower	Upper
95	100		
174	76.0	0.0	138.4
176	73.1	0.0	132.6



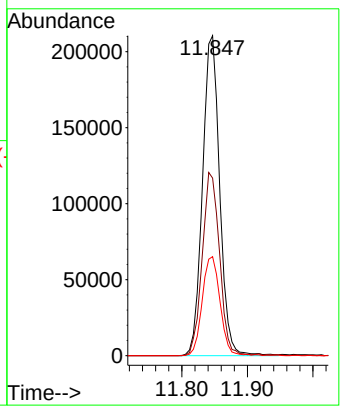


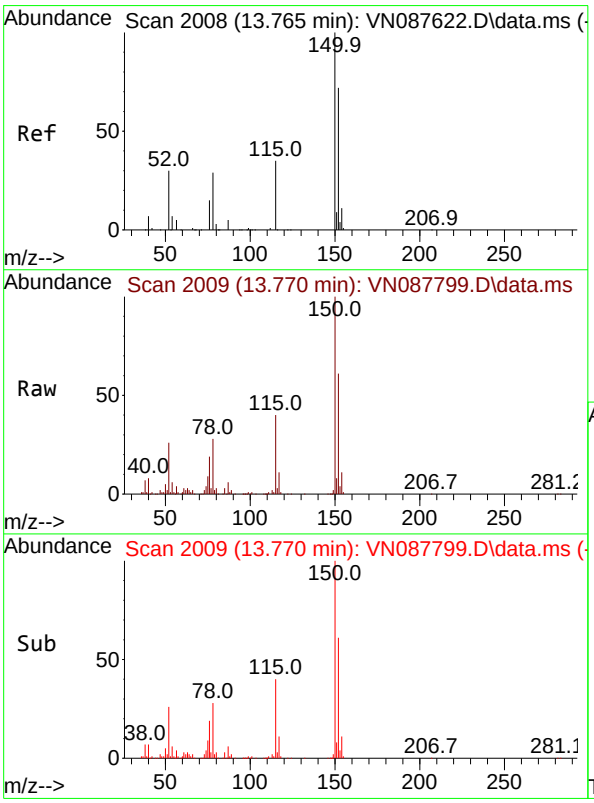
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Tgt Ion:117 Resp: 384181

Ion	Ratio	Lower	Upper
117	100		
82	55.5	47.4	71.2
119	30.9	24.3	36.5

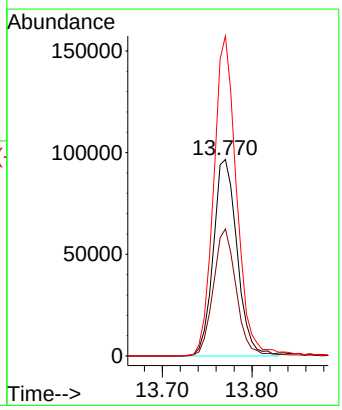




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087799.D
Acq: 11 Sep 2025 15:45

Tgt Ion:152 Resp: 178191

Ion	Ratio	Lower	Upper
152	100		
115	62.9	32.3	96.8
150	157.6	0.0	351.0



Sample Results: **VN087799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087799.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.153	1037	1054	1058	rBV	205411	498034	34.88%	6.747%
2	8.206	1058	1063	1076	rVB	257293	589814	41.31%	7.990%
3	8.565	1113	1124	1136	rBV	222897	517141	36.22%	7.006%
4	9.082	1203	1212	1223	rBV	481966	1012099	70.89%	13.711%
5	10.547	1452	1461	1470	rBV	783503	1427648	100.00%	19.341%
6	11.847	1673	1682	1693	rBV	672855	1255950	87.97%	17.015%
7	12.829	1841	1849	1860	rBV	488897	892330	62.50%	12.089%
8	13.770	2001	2009	2026	rBV	654866	1188607	83.26%	16.102%

Sum of corrected areas: 7381623

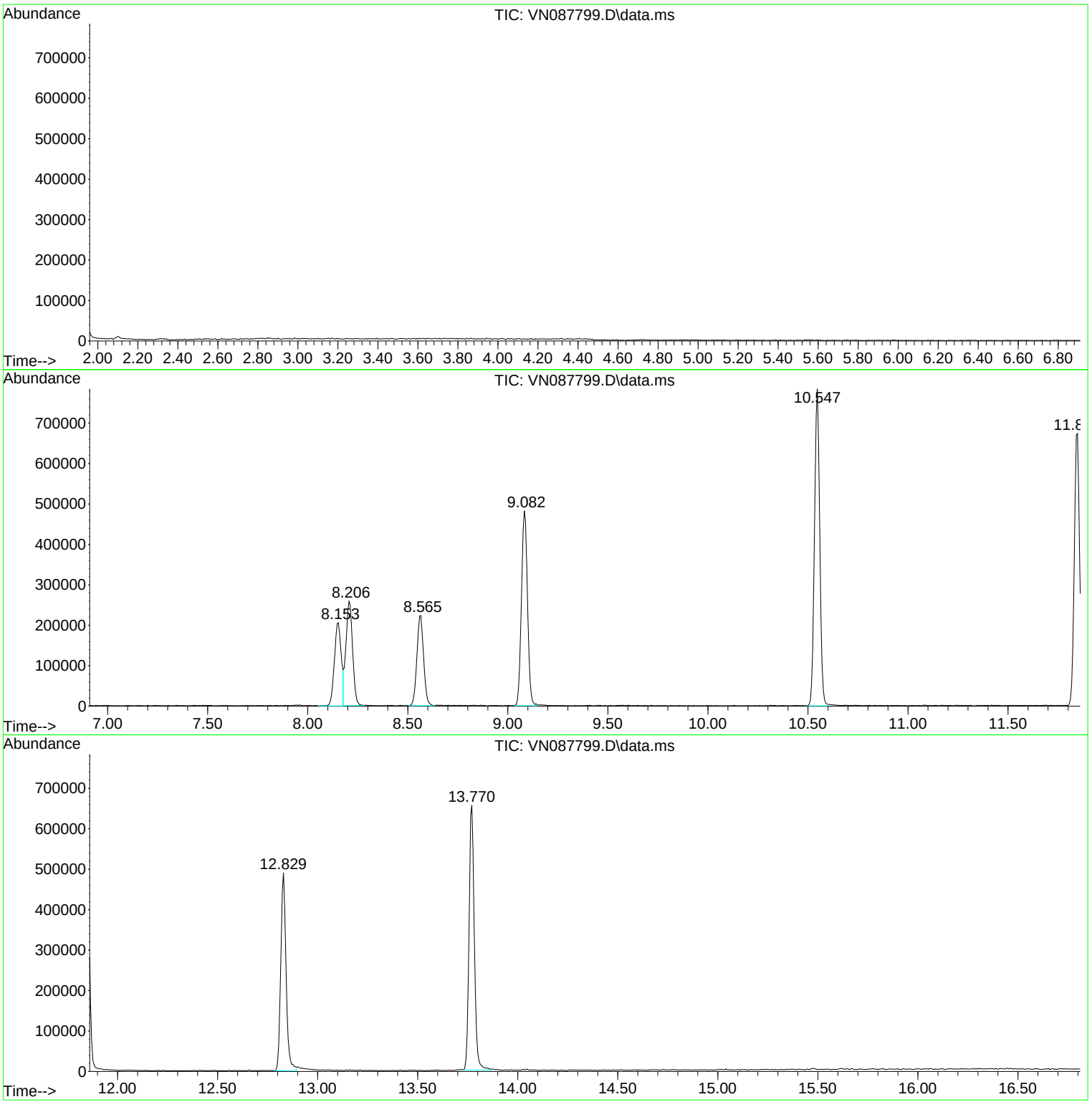
Sample Results: **VN087799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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\VN091125\
Data File : VN087799.D
Acq On : 11 Sep 2025 15:45
Operator : JC\MD
Sample : Q3078-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250910064-01-TRIP-BLANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

CALIBRATION SUMMARY

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q3078

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5

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

Raw Data

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q3078

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
Dibromochloromethane	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025
Response Via : Initial Calibration

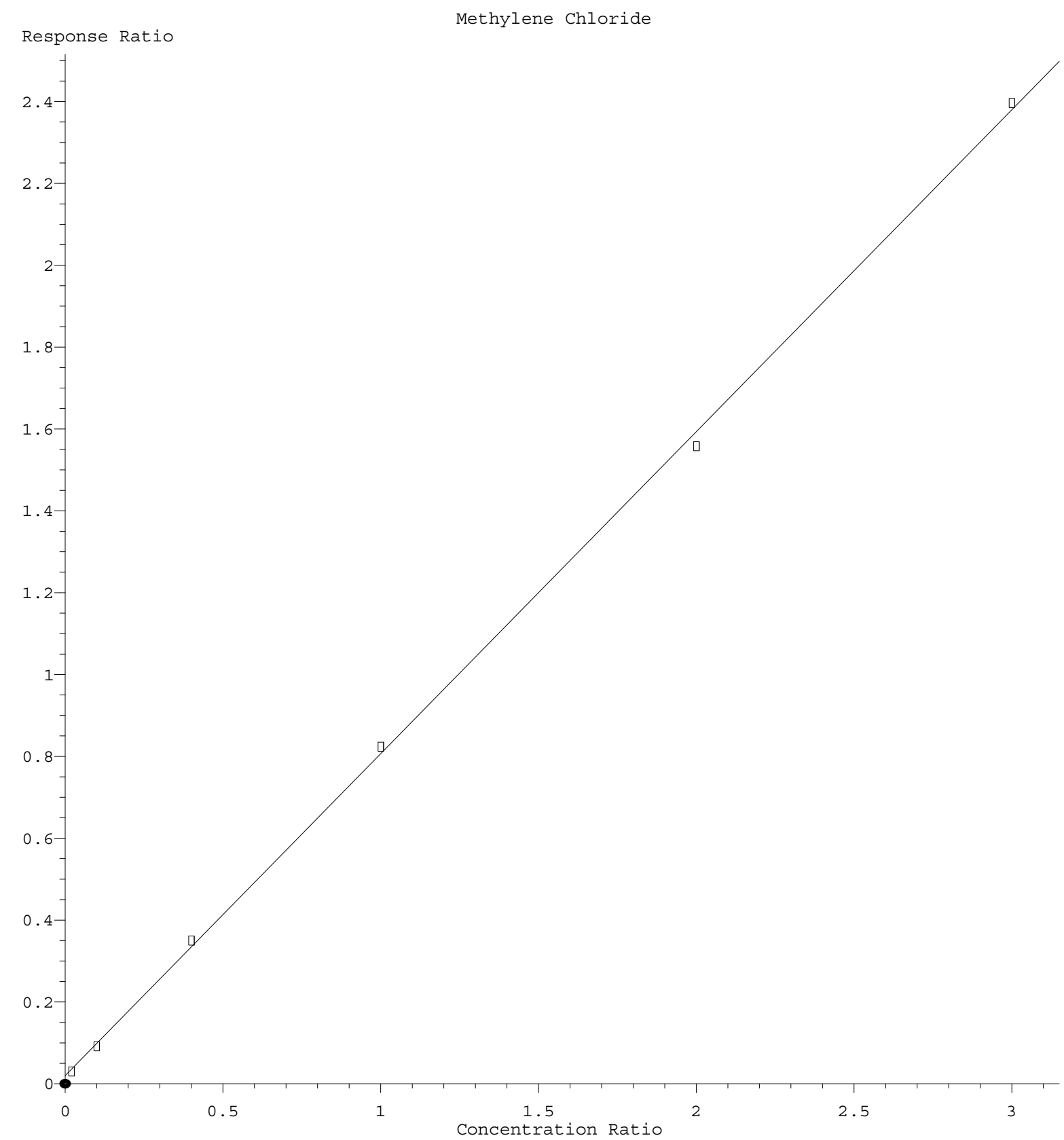
Calibration Files
1 =VN087619.D 5 =VN087620.D 20 =VN087621.D 50 =VN087622.D 100 =VN087623.D 150 =VN087624.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.74
3)	P	Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.27
4)	C	Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.29#
5)	T	Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.17
6)	T	Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.88
7)	T	Trichlorofluor...	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.91
8)	T	Diethyl Ether	0.637	0.501	0.544	0.529	0.510	0.519	0.540	9.22
9)	T	1,1,2-Trichlor...	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.62
10)	T	Methyl Iodide		0.265	0.355	0.481	0.562	0.586	0.450	30.46
11)	T	Tert butyl alc...		0.170	0.187	0.184	0.174	0.174	0.178	4.02
12)	CM	1,1-Dichloroet...	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.28#
13)	T	Acrolein		0.251	0.198	0.215	0.196	0.233	0.219	10.78
14)	T	Allyl chloride	1.577	1.184	1.254	1.240	1.208	1.376	1.306	11.34
15)	T	Acrylonitrile	0.555	0.466	0.510	0.498	0.487	0.493	0.502	6.00
16)	T	Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.34
17)	T	Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.51
18)	T	Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.33
19)	T	Methyl tert-bu...	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.37
20)	T	Methylene Chlo...	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.76
21)	T	trans-1,2-Dich...	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.83
22)	T	Diisopropyl ether	2.977	2.591	2.903	2.870	2.766	2.807	2.819	4.74
23)	T	Vinyl Acetate	2.629	2.379	2.484	2.692	2.576	2.629	2.565	4.46
24)	P	1,1-Dichloroet...	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.28
25)	T	2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.31
26)	T	2,2-Dichloropr...	1.500	1.243	1.326	1.317	1.277	1.296	1.327	6.78
27)	T	cis-1,2-Dichlo...	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.67
28)	T	Bromochloromet...	0.800	0.781	0.722	0.701	0.748	0.731	0.747	4.95
29)	T	Tetrahydrofuran	0.520	0.432	0.479	0.474	0.461	0.468	0.472	6.01
30)	C	Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4.03#
31)	T	Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.38
32)	T	1,1,1-Trichlor...	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.75
33)	S	1,2-Dichloroet...		1.025	1.016	0.959	1.035	1.089	1.024	4.53
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.369	0.344	0.334	0.373	0.386	0.361	5.97
36)	T	1,1-Dichloropr...	0.700	0.508	0.550	0.528	0.522	0.514	0.554	13.21
37)	T	Ethyl Acetate	0.877	0.700	0.761	0.742	0.731	0.731	0.757	8.20
38)	T	Carbon Tetrach...	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.12
39)	T	Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.33
40)	TM	Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.88
41)	T	Methacrylonitrile	0.466	0.346	0.388	0.389	0.384	0.379	0.392	10.06
42)	TM	1,2-Dichloroet...	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.48
43)	T	Isopropyl Acetate	1.236	1.076	1.215	1.198	1.187	1.178	1.182	4.71
44)	TM	Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.46
45)	C	1,2-Dichloropr...	0.544	0.435	0.447	0.433	0.415	0.412	0.448	10.96#
46)	T	Dibromomethane	0.351	0.294	0.327	0.318	0.310	0.312	0.319	6.06
47)	T	Bromodichlorom...	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3.01
48)	T	Methyl methacr...	0.598	0.493	0.572	0.558	0.565	0.567	0.559	6.26
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.007	11.46
50)	S	Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.68
51)	T	4-Methyl-2-Pen...	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.55
52)	CM	Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5.03#
53)	T	t-1,3-Dichloro...	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.08
54)	T	cis-1,3-Dichlo...	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.32
55)	T	1,1,2-Trichlor...	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.69
56)	T	Ethyl methacry...	0.532	0.546	0.681	0.705	0.715	0.727	0.651	13.55

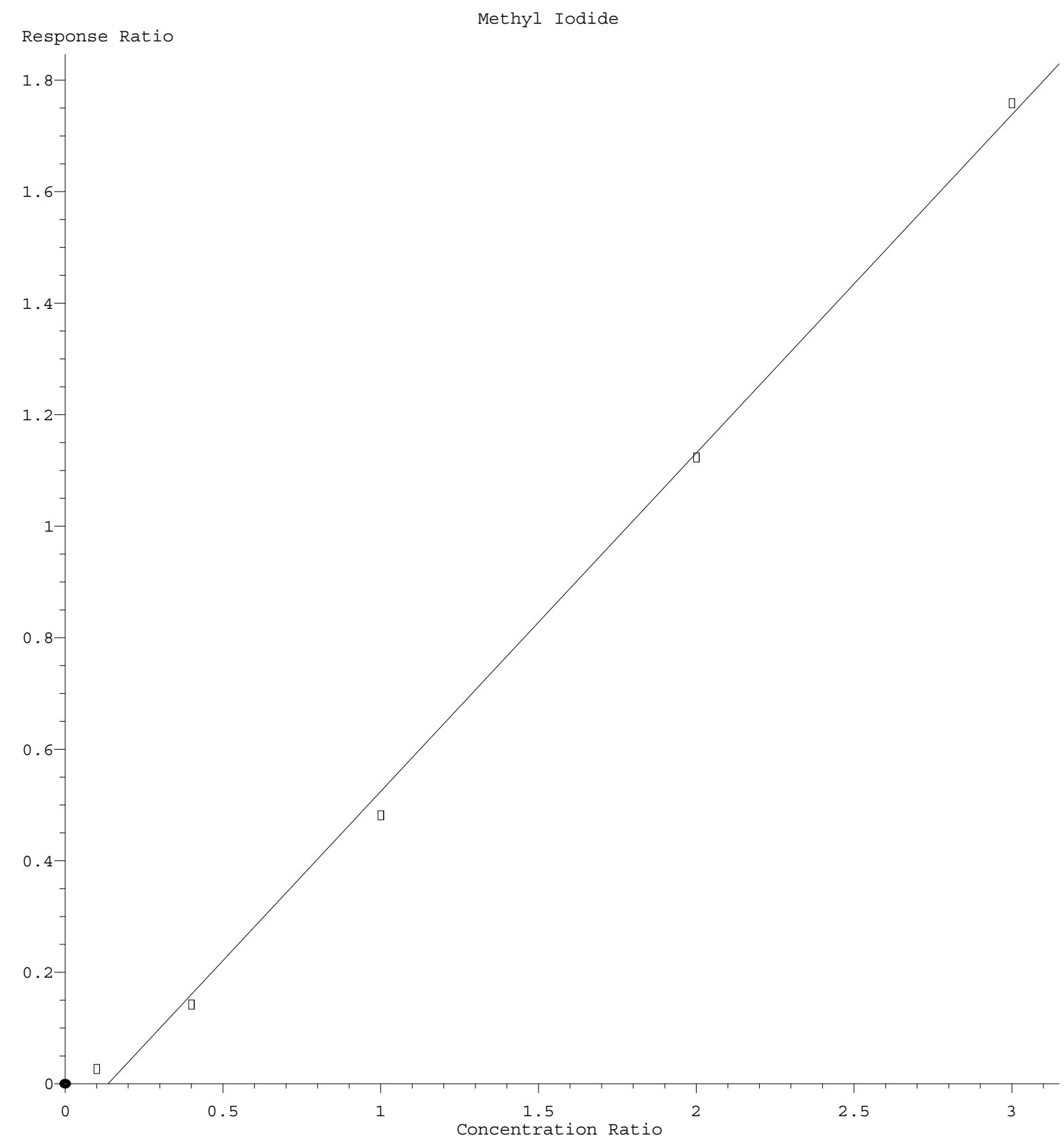
Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N082125W.M

57)	T	1,3-Dichloropr...	0.781	0.656	0.743	0.731	0.708	0.706	0.721	5.80
58)	T	2-Chloroethyl ...	0.360	0.333	0.305	0.354	0.374	0.388	0.352	8.40
59)	T	2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.77
60)	T	Dibromochlorom...	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.85
61)	T	1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.44
62)	S	4-Bromofluorob...		0.446	0.454	0.450	0.514	0.540	0.481	8.99
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.89
65)	PM	Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.85
66)	T	1,1,1,2-Tetrac...	0.391	0.404	0.427	0.421	0.416	0.418	0.413	3.14
67)	C	Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4.03#
68)	T	m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.33
69)	T	o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.35
70)	T	Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	10.99
71)	P	Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.27
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.29
74)	T	N-amyl acetate	1.569	1.538	1.265	1.555	1.527	1.733	1.531	9.86
75)	P	1,1,2,2-Tetrac...	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.12
76)	T	1,2,3-Trichlor...	1.274	1.171	1.188	1.073	1.074	1.256	1.173	7.36
77)	T	Bromobenzene	1.019	0.901	0.988	0.941	0.929	0.938	0.953	4.51
78)	T	n-propylbenzene	5.137	4.545	5.125	5.024	4.965	5.064	4.977	4.44
79)	T	2-Chlorotoluene	2.911	2.953	3.116	2.976	2.975	3.037	2.995	2.41
80)	T	1,3,5-Trimethy...	3.586	3.159	3.498	3.471	3.398	3.452	3.428	4.24
81)	T	trans-1,4-Dich...		0.332	0.416	0.451	0.493	0.523	0.443	16.70
82)	T	4-Chlorotoluene	3.352	3.001	3.225	3.153	3.069	3.093	3.149	3.98
83)	T	tert-Butylbenzene	2.913	2.674	2.899	2.911	2.857	2.884	2.856	3.22
84)	T	1,2,4-Trimethy...	3.502	3.091	3.551	3.496	3.471	3.476	3.431	4.93
85)	T	sec-Butylbenzene	4.464	4.019	4.367	4.225	4.163	4.194	4.239	3.71
86)	T	p-Isopropyltol...	3.656	3.249	3.550	3.530	3.502	3.512	3.500	3.85
87)	T	1,3-Dichlorobe...	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.29
88)	T	1,4-Dichlorobe...	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.22
89)	T	n-Butylbenzene	3.764	3.208	3.589	3.461	3.398	3.435	3.476	5.40
90)	T	Hexachloroethane	0.742	0.606	0.680	0.655	0.649	0.669	0.667	6.69
91)	T	1,2-Dichlorobe...	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.66
92)	T	1,2-Dibromo-3-...	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.21
93)	T	1,2,4-Trichlor...	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.43
94)	T	Hexachlorobuta...	0.469	0.371	0.385	0.355	0.346	0.361	0.381	11.80
95)	T	Naphthalene	3.989	3.240	3.724	3.754	3.917	4.089	3.786	7.95
96)	T	1,2,3-Trichlor...	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.68

(#) = Out of Range



Response = 7.866e-001 * Amt + 2.003e-002
Coef of Det (r^2) = 0.999518 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M
Calibration Table Last Updated: Fri Aug 22 02:55:42 2025



Response = 6.069e-001 * Amt - 8.267e-002
Coef of Det (r^2) = 0.997633 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N082125W.M
Calibration Table Last Updated: Fri Aug 22 02:55:42 2025

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	214194	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	425894	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	384310	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	174637	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	3030	0.996	ug/l		75
3) Chloromethane	2.389	50	3165	1.012	ug/l	#	87
4) Vinyl Chloride	2.542	62	3896	1.075	ug/l		98
6) Chloroethane	3.142	64	3113	1.222	ug/l		89
7) Trichlorofluoromethane	3.518	101	5667	1.067	ug/l		88
8) Diethyl Ether	3.977	74	2728m	1.179	ug/l		
9) 1,1,2-Trichlorotrifluo...	4.371	101	3764	1.253	ug/l	#	68
12) 1,1-Dichloroethene	4.353	96	3823	1.238	ug/l	#	55
14) Allyl chloride	5.024	41	6754	1.207	ug/l	#	70
15) Acrylonitrile	5.706	53	11893	5.535	ug/l	#	90
16) Acetone	4.424	43	13568	5.679	ug/l	#	75
17) Carbon Disulfide	4.700	76	9734	1.145	ug/l	#	90
18) Methyl Acetate	5.012	43	6213m	1.242	ug/l		
19) Methyl tert-butyl Ether	5.794	73	12249	1.057	ug/l		91
20) Methylene Chloride	5.277	84	6402	0.627	ug/l	#	57
21) trans-1,2-Dichloroethene	5.777	96	4079	1.219	ug/l		93
22) Diisopropyl ether	6.665	45	12751	1.056	ug/l	#	76
23) Vinyl Acetate	6.588	43	56320	5.126	ug/l	#	90
24) 1,1-Dichloroethane	6.541	63	7704	1.163	ug/l	#	94
25) 2-Butanone	7.471	43	16779	5.338	ug/l		95
26) 2,2-Dichloropropane	7.477	77	6425	1.131	ug/l		77
27) cis-1,2-Dichloroethene	7.477	96	4272	1.068	ug/l		94
28) Bromochloromethane	7.794	49	3426	1.070	ug/l	#	91
29) Tetrahydrofuran	7.830	42	11129	5.502	ug/l		98
30) Chloroform	7.953	83	7183	1.063	ug/l		97
32) 1,1,1-Trichloroethane	8.159	97	6468	1.129	ug/l	#	52
36) 1,1-Dichloropropene	8.353	75	5965	1.264	ug/l		90
37) Ethyl Acetate	7.547	43	7468m	1.159	ug/l		
38) Carbon Tetrachloride	8.347	117	4866	1.045	ug/l		90
39) Methylcyclohexane	9.582	83	5843	1.125	ug/l	#	87
40) Benzene	8.588	78	15783	1.091	ug/l		100
41) Methacrylonitrile	7.771	41	3967	1.188	ug/l	#	71
42) 1,2-Dichloroethane	8.659	62	6078	1.093	ug/l		95
43) Isopropyl Acetate	8.677	43	10524	1.046	ug/l	#	64
44) Trichloroethene	9.329	130	3709	1.123	ug/l		96
45) 1,2-Dichloropropane	9.594	63	4636	1.216	ug/l		96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.694	93	2989	1.101	ug/l		96
47) Bromodichloromethane	9.871	83	5845	1.051	ug/l	#	90
48) Methyl methacrylate	9.671	41	5091	1.069	ug/l		94
49) 1,4-Dioxane	9.700	88	1008	16.337	ug/l	#	13
51) 4-Methyl-2-Pentanone	10.423	43	29834	4.913	ug/l		99
52) Toluene	10.606	92	9776	1.090	ug/l		92
53) t-1,3-Dichloropropene	10.818	75	5278	0.917	ug/l	#	80
54) cis-1,3-Dichloropropene	10.300	75	6105	1.021	ug/l	#	80
55) 1,1,2-Trichloroethane	10.994	97	3739	1.078	ug/l	#	87
56) Ethyl methacrylate	10.865	69	4529	0.817	ug/l	#	89
57) 1,3-Dichloropropane	11.141	76	6652	1.083	ug/l		90
58) 2-Chloroethyl Vinyl ether	10.141	63	15333	5.109	ug/l		100
59) 2-Hexanone	11.200	43	12564	3.274	ug/l		94
60) Dibromochloromethane	11.347	129	4554	1.133	ug/l		93
61) 1,2-Dibromoethane	11.447	107	3511	0.960	ug/l		93
64) Tetrachloroethene	11.076	164	3433	1.288	ug/l	#	84
65) Chlorobenzene	11.876	112	10823	1.132	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	3009	0.948	ug/l	#	64
67) Ethyl Benzene	11.941	91	17159	1.037	ug/l		92
68) m/p-Xylenes	12.047	106	11663	1.921	ug/l		90
69) o-Xylene	12.376	106	5970	1.003	ug/l		100
70) Styrene	12.394	104	8781	0.881	ug/l		97
71) Bromoform	12.559	173	2328	0.956	ug/l	#	84
73) Isopropylbenzene	12.676	105	15118	1.071	ug/l		92
74) N-amyl acetate	13.012	43	5481m	1.010	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	5198	1.070	ug/l		95
76) 1,2,3-Trichloropropane	12.970	75	4451m	1.084	ug/l		
77) Bromobenzene	12.970	156	3560	1.070	ug/l		96
78) n-propylbenzene	13.017	91	17943	1.032	ug/l		98
79) 2-Chlorotoluene	13.112	91	10167	0.972	ug/l		85
80) 1,3,5-Trimethylbenzene	13.147	105	12525	1.046	ug/l		92
82) 4-Chlorotoluene	13.200	91	11708	1.065	ug/l		96
83) tert-Butylbenzene	13.417	119	10175	1.020	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	12231	1.021	ug/l		99
85) sec-Butylbenzene	13.588	105	15591	1.053	ug/l		95
86) p-Isopropyltoluene	13.706	119	12768	1.044	ug/l		98
87) 1,3-Dichlorobenzene	13.717	146	7290	1.113	ug/l		89
88) 1,4-Dichlorobenzene	13.782	146	8201m	1.203	ug/l		
89) n-Butylbenzene	14.029	91	13148	1.083	ug/l		96
90) Hexachloroethane	14.311	117	2591	1.113	ug/l		100
91) 1,2-Dichlorobenzene	14.094	146	6783	1.091	ug/l		93
92) 1,2-Dibromo-3-Chloropr...	14.694	75	1293	1.120	ug/l		83
93) 1,2,4-Trichlorobenzene	15.376	180	4163	1.115	ug/l		88
94) Hexachlorobutadiene	15.470	225	1637	1.230	ug/l		97
95) Naphthalene	15.617	128	13934	1.054	ug/l		98
96) 1,2,3-Trichlorobenzene	15.811	180	3983	1.091	ug/l		89

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

ICAL Form

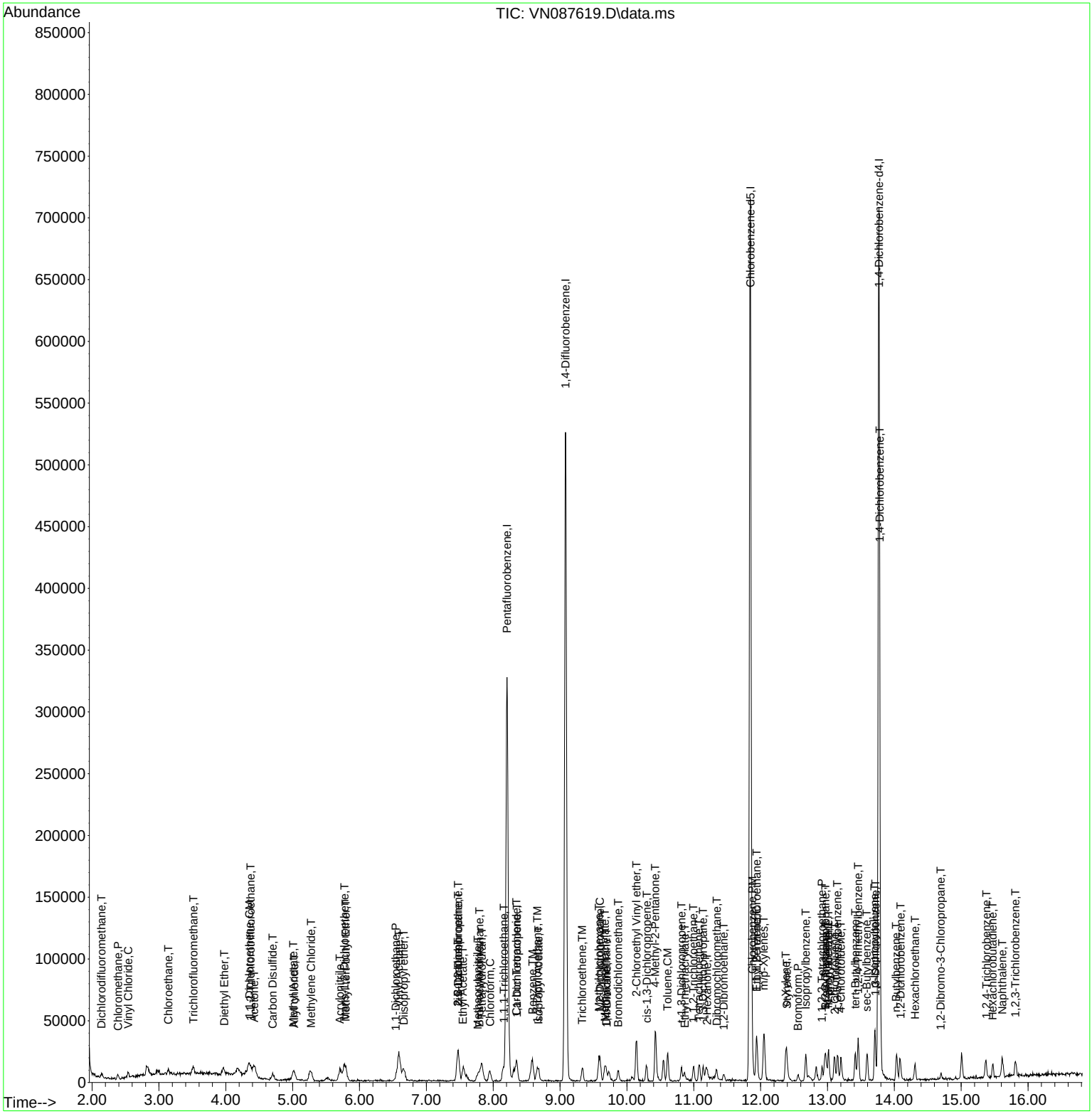
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087619.D
Acq On : 21 Aug 2025 12:09
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 22 02:28:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	230389	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	446380	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.841	117	411161	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	194457	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.559	65	23607	5.001	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.000%#			
35) Dibromofluoromethane	8.141	113	16452	5.105	ug/l		-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.200%#			
50) Toluene-d8	10.547	98	61777	5.121	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.240%#			
62) 4-Bromofluorobenzene	12.829	95	19896	4.638	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	9.280%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	13341	4.077	ug/l		91
3) Chloromethane	2.383	50	14670	4.363	ug/l	#	87
4) Vinyl Chloride	2.542	62	17021	4.366	ug/l		96
5) Bromomethane	2.971	94	8950	4.449	ug/l	#	67
6) Chloroethane	3.130	64	12160	4.437	ug/l		99
7) Trichlorofluoromethane	3.512	101	26231	4.592	ug/l	#	69
8) Diethyl Ether	3.959	74	11532	4.635	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.371	101	14929	4.619	ug/l	#	85
10) Methyl Iodide	4.583	142	6109	8.995	ug/l		90
11) Tert butyl alcohol	5.530	59	19630	23.954	ug/l	#	71
12) 1,1-Dichloroethene	4.336	96	14950	4.501	ug/l		89
13) Acrolein	4.183	56	28918	28.704	ug/l		96
14) Allyl chloride	5.012	41	27277	4.532	ug/l		94
15) Acrylonitrile	5.706	53	53640	23.209	ug/l		99
16) Acetone	4.418	43	73025	28.418	ug/l		97
17) Carbon Disulfide	4.694	76	40223	4.399	ug/l	#	94
18) Methyl Acetate	5.012	43	24038	4.468	ug/l	#	61
19) Methyl tert-butyl Ether	5.783	73	57783	4.637	ug/l		98
20) Methylene Chloride	5.253	84	21101	4.549	ug/l	#	80
21) trans-1,2-Dichloroethene	5.777	96	16922	4.701	ug/l		96
22) Diisopropyl ether	6.653	45	59705	4.596	ug/l		99
23) Vinyl Acetate	6.588	43	274045	23.189	ug/l		98
24) 1,1-Dichloroethane	6.565	63	34563	4.853	ug/l		98
25) 2-Butanone	7.477	43	83189	24.607	ug/l		93
26) 2,2-Dichloropropane	7.482	77	28641	4.685	ug/l		97
27) cis-1,2-Dichloroethene	7.465	96	21105	4.904	ug/l		95
28) Bromochloromethane	7.788	49	17986	5.224	ug/l	#	98
29) Tetrahydrofuran	7.830	42	49801	22.890	ug/l		97
30) Chloroform	7.953	83	35366	4.865	ug/l		89
31) Cyclohexane	8.241	56	34337	5.783	ug/l	#	96
32) 1,1,1-Trichloroethane	8.147	97	29878	4.850	ug/l		90
36) 1,1-Dichloropropene	8.353	75	22697	4.591	ug/l		96
37) Ethyl Acetate	7.547	43	31230m	4.622	ug/l		
38) Carbon Tetrachloride	8.341	117	22716	4.653	ug/l	#	84
39) Methylcyclohexane	9.576	83	25902	4.758	ug/l		91
40) Benzene	8.582	78	73071	4.818	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	15464	4.419	ug/l	#	95
42) 1,2-Dichloroethane	8.653	62	27989	4.803	ug/l		95
43) Isopropyl Acetate	8.671	43	48032	4.554	ug/l		99
44) Trichloroethene	9.329	130	17267	4.987	ug/l		91
45) 1,2-Dichloropropane	9.606	63	19397	4.853	ug/l		95
46) Dibromomethane	9.694	93	13115	4.611	ug/l		91
47) Bromodichloromethane	9.865	83	28992	4.973	ug/l		99
48) Methyl methacrylate	9.659	41	22006	4.411	ug/l		94
49) 1,4-Dioxane	9.682	88	6079	94.002	ug/l	#	89
51) 4-Methyl-2-Pentanone	10.423	43	150608	23.665	ug/l		97
52) Toluene	10.606	92	44071	4.688	ug/l		98
53) t-1,3-Dichloropropene	10.812	75	28043	4.647	ug/l		92
54) cis-1,3-Dichloropropene	10.288	75	28580	4.561	ug/l		95
55) 1,1,2-Trichloroethane	10.994	97	17105	4.703	ug/l		96
56) Ethyl methacrylate	10.853	69	24379	4.194	ug/l	#	92
57) 1,3-Dichloropropane	11.141	76	29300	4.552	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.141	63	74236	23.598	ug/l		100
59) 2-Hexanone	11.182	43	87097	21.654	ug/l		98
60) Dibromochloromethane	11.335	129	19653	4.664	ug/l		100
61) 1,2-Dibromoethane	11.447	107	19347	5.045	ug/l		93
64) Tetrachloroethene	11.082	164	14530	5.094	ug/l	#	82
65) Chlorobenzene	11.870	112	47879	4.681	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.935	131	16599	4.888	ug/l		88
67) Ethyl Benzene	11.941	91	81935	4.626	ug/l		98
68) m/p-Xylenes	12.053	106	60444	9.306	ug/l		96
69) o-Xylene	12.376	106	29064	4.566	ug/l		98
70) Styrene	12.388	104	44658	4.188	ug/l		93
71) Bromoform	12.559	173	11710	4.496	ug/l	#	92
73) Isopropylbenzene	12.670	105	71448	4.547	ug/l		98
74) N-amyl acetate	12.670	43	29903m	4.946	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	26850	4.963	ug/l		95
76) 1,2,3-Trichloropropane	12.976	75	22762m	4.980	ug/l		
77) Bromobenzene	12.959	156	17527	4.731	ug/l		97
78) n-propylbenzene	13.012	91	88388	4.567	ug/l		99
79) 2-Chlorotoluene	13.100	91	57432	4.931	ug/l		94
80) 1,3,5-Trimethylbenzene	13.153	105	61434	4.609	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	6458	3.749	ug/l		87
82) 4-Chlorotoluene	13.200	91	58355	4.765	ug/l		96
83) tert-Butylbenzene	13.417	119	51989	4.680	ug/l		98
84) 1,2,4-Trimethylbenzene	13.464	105	60099	4.504	ug/l		98
85) sec-Butylbenzene	13.594	105	78154	4.741	ug/l		98
86) p-Isopropyltoluene	13.706	119	63187	4.642	ug/l		98
87) 1,3-Dichlorobenzene	13.711	146	34424	4.718	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	36629	4.824	ug/l		95
89) n-Butylbenzene	14.035	91	62374	4.614	ug/l		99
90) Hexachloroethane	14.306	117	11787	4.545	ug/l		98
91) 1,2-Dichlorobenzene	14.088	146	32320	4.669	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	6280	4.887	ug/l		86
93) 1,2,4-Trichlorobenzene	15.364	180	19345	4.654	ug/l		97
94) Hexachlorobutadiene	15.470	225	7207	4.864	ug/l		96
95) Naphthalene	15.611	128	63009	4.280	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	18896	4.650	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

ICAL Form

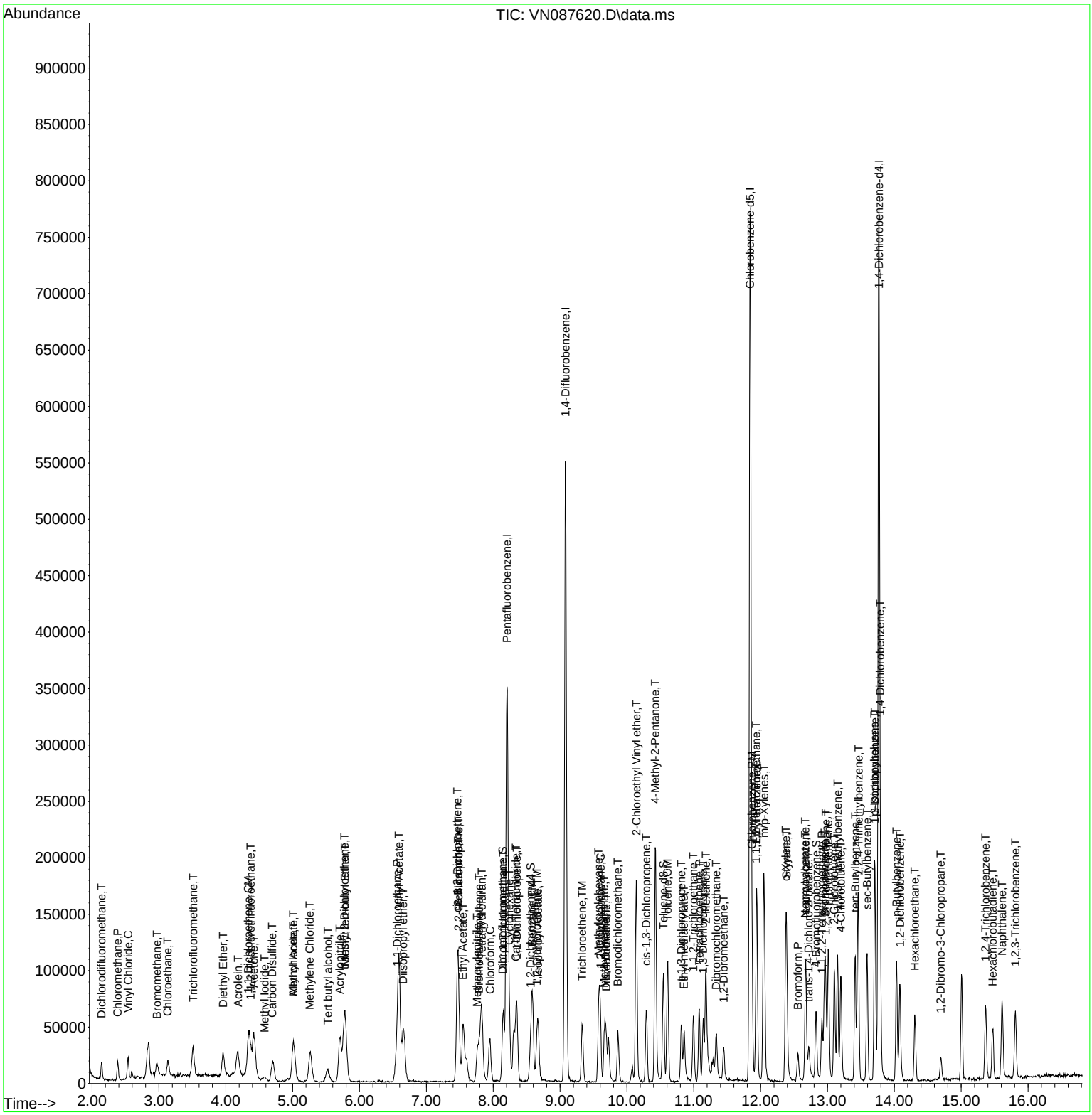
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087620.D
Acq On : 21 Aug 2025 13:08
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 22 02:29:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	225514	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	446006	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	409187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	204594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	91607	19.826	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	39.660%#		
35) Dibromofluoromethane	8.153	113	61315	19.041	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.080%#		
50) Toluene-d8	10.547	98	225931	18.746	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	37.500%#		
62) 4-Bromofluorobenzene	12.829	95	80936	18.883	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	37.760%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	54651	17.063	ug/l	96
3) Chloromethane	2.383	50	64072	19.466	ug/l	95
4) Vinyl Chloride	2.536	62	75059	19.667	ug/l	99
5) Bromomethane	2.971	94	35415	17.984	ug/l	90
6) Chloroethane	3.136	64	54039	20.146	ug/l	98
7) Trichlorofluoromethane	3.506	101	112067	20.042	ug/l	92
8) Diethyl Ether	3.954	74	49068	20.150	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	61080	19.305	ug/l	96
10) Methyl Iodide	4.583	142	32047	18.518	ug/l #	97
11) Tert butyl alcohol	5.524	59	84156	104.914	ug/l	98
12) 1,1-Dichloroethene	4.336	96	65870	20.259	ug/l	93
13) Acrolein	4.171	56	89266	90.522	ug/l	99
14) Allyl chloride	5.012	41	113139	19.202	ug/l	96
15) Acrylonitrile	5.706	53	230008	101.673	ug/l	99
16) Acetone	4.418	43	263348	104.700	ug/l	97
17) Carbon Disulfide	4.701	76	177734	19.857	ug/l	100
18) Methyl Acetate	5.012	43	98949	18.789	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	247157	20.264	ug/l	99
20) Methylene Chloride	5.265	84	78920	20.972	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	69321	19.672	ug/l	95
22) Diisopropyl ether	6.653	45	261888	20.597	ug/l	97
23) Vinyl Acetate	6.589	43	1120284	96.845	ug/l	99
24) 1,1-Dichloroethane	6.553	63	139765	20.048	ug/l	99
25) 2-Butanone	7.465	43	341538	103.210	ug/l	99
26) 2,2-Dichloropropane	7.477	77	119616	19.991	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	84502	20.059	ug/l	97
28) Bromochloromethane	7.800	49	65173	19.338	ug/l	97
29) Tetrahydrofuran	7.830	42	215847	101.354	ug/l	98
30) Chloroform	7.947	83	146915	20.647	ug/l	99
31) Cyclohexane	8.241	56	118194	20.337	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	122634	20.336	ug/l	99
36) 1,1-Dichloropropene	8.353	75	98127	19.863	ug/l	98
37) Ethyl Acetate	7.547	43	135691	20.101	ug/l	97
38) Carbon Tetrachloride	8.341	117	101311	20.771	ug/l	92
39) Methylcyclohexane	9.577	83	108801	20.005	ug/l	97
40) Benzene	8.588	78	308160	20.338	ug/l	95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	69274	19.811	ug/l		98
42) 1,2-Dichloroethane	8.653	62	120495	20.694	ug/l		98
43) Isopropyl Acetate	8.671	43	216674	20.559	ug/l		99
44) Trichloroethene	9.336	130	69650	20.134	ug/l		92
45) 1,2-Dichloropropane	9.600	63	79779	19.975	ug/l		99
46) Dibromomethane	9.688	93	58410	20.551	ug/l		99
47) Bromodichloromethane	9.871	83	118959	20.423	ug/l		90
48) Methyl methacrylate	9.665	41	101988	20.458	ug/l		99
49) 1,4-Dioxane	9.688	88	29266	452.929	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	663566	104.353	ug/l		100
52) Toluene	10.612	92	189511	20.175	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	123317	20.453	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	127086	20.300	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	74360	20.463	ug/l		96
56) Ethyl methacrylate	10.859	69	121534	20.928	ug/l		97
57) 1,3-Dichloropropane	11.141	76	132575	20.615	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	272481	86.689	ug/l		100
59) 2-Hexanone	11.177	43	439624	109.392	ug/l		99
60) Dibromochloromethane	11.335	129	81730	19.411	ug/l		99
61) 1,2-Dibromoethane	11.447	107	79247	20.682	ug/l		97
64) Tetrachloroethene	11.082	164	55688	19.616	ug/l		97
65) Chlorobenzene	11.871	112	205088	20.146	ug/l		92
66) 1,1,1,2-Tetrachloroethane	11.935	131	69837	20.664	ug/l		99
67) Ethyl Benzene	11.941	91	364023	20.653	ug/l		98
68) m/p-Xylenes	12.053	106	265461	41.067	ug/l		99
69) o-Xylene	12.377	106	129958	20.515	ug/l		99
70) Styrene	12.388	104	227729	21.458	ug/l		100
71) Bromoform	12.559	173	52443	20.233	ug/l	#	98
73) Isopropylbenzene	12.676	105	335219	20.276	ug/l		99
74) N-amyl acetate	12.547	43	103508m	16.273	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	116302	20.433	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	97260m	20.223	ug/l		
77) Bromobenzene	12.959	156	80835	20.737	ug/l		98
78) n-propylbenzene	13.012	91	419422	20.596	ug/l		99
79) 2-Chlorotoluene	13.106	91	255043	20.812	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	286272	20.412	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	34072	18.801	ug/l		88
82) 4-Chlorotoluene	13.200	91	263916	20.483	ug/l		99
83) tert-Butylbenzene	13.418	119	237268	20.302	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	290636	20.701	ug/l		99
85) sec-Butylbenzene	13.594	105	357394	20.607	ug/l		99
86) p-Isopropyltoluene	13.706	119	290561	20.288	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	158749	20.680	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	160067	20.037	ug/l		98
89) n-Butylbenzene	14.035	91	293738	20.652	ug/l		99
90) Hexachloroethane	14.312	117	55637	20.391	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	151644	20.823	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	26895	19.891	ug/l		96
93) 1,2,4-Trichlorobenzene	15.365	180	88494	20.236	ug/l		97
94) Hexachlorobutadiene	15.476	225	31498	20.203	ug/l		97
95) Naphthalene	15.612	128	304789	19.677	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	86694	20.278	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

ICAL Form

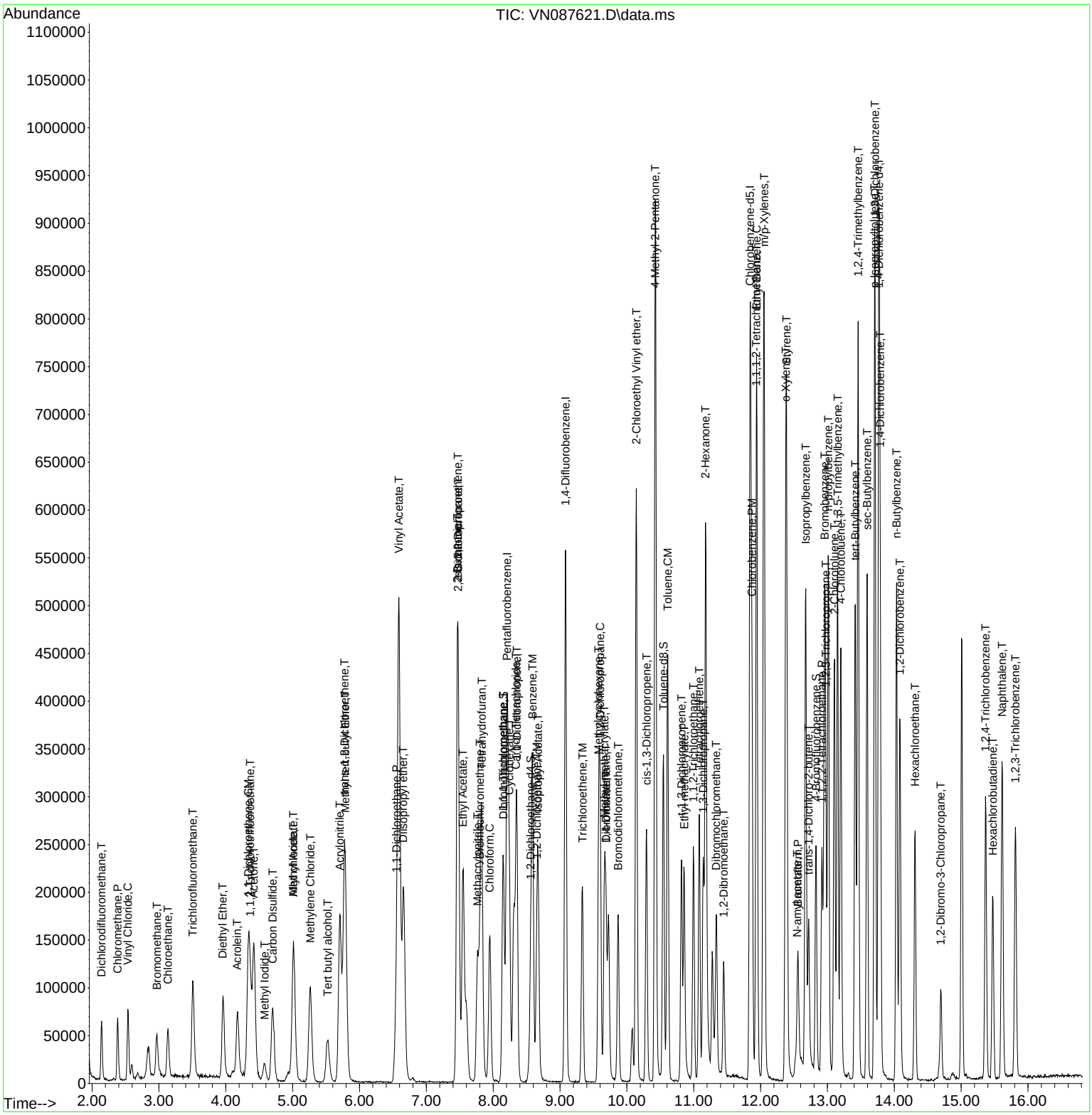
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087621.D
Acq On : 21 Aug 2025 13:41
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 22 02:30:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	234546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	468145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	438262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	220862	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	224856	46.791	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.580%			
35) Dibromofluoromethane	8.153	113	156332	46.252	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 92.500%			
50) Toluene-d8	10.547	98	572648	45.266	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 90.540%			
62) 4-Bromofluorobenzene	12.823	95	210592	46.809	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.620%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	189901	57.007	ug/l	100
3) Chloromethane	2.383	50	186373	54.441	ug/l	100
4) Vinyl Chloride	2.542	62	211909	53.387	ug/l	100
5) Bromomethane	2.971	94	105105	51.318	ug/l	100
6) Chloroethane	3.136	64	141335	50.661	ug/l	100
7) Trichlorofluoromethane	3.512	101	298853	51.389	ug/l	100
8) Diethyl Ether	3.953	74	124074	48.989	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	162971	49.526	ug/l	100
10) Methyl Iodide	4.577	142	112901	46.467	ug/l	100
11) Tert butyl alcohol	5.518	59	216189	259.137	ug/l	100
12) 1,1-Dichloroethene	4.336	96	164165	48.547	ug/l	100
13) Acrolein	4.171	56	251949	245.655	ug/l	100
14) Allyl chloride	5.006	41	290757	47.448	ug/l	100
15) Acrylonitrile	5.706	53	584519	248.432	ug/l	100
16) Acetone	4.424	43	612147	234.001	ug/l	100
17) Carbon Disulfide	4.700	76	469891	50.475	ug/l	100
18) Methyl Acetate	5.012	43	271363	49.542	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	641051	50.534	ug/l	100
20) Methylene Chloride	5.265	84	193144	51.071	ug/l	100
21) trans-1,2-Dichloroethene	5.777	96	175989	48.020	ug/l	100
22) Diisopropyl ether	6.659	45	673069	50.897	ug/l	100
23) Vinyl Acetate	6.589	43	3156445	262.358	ug/l	100
24) 1,1-Dichloroethane	6.547	63	352088	48.560	ug/l	100
25) 2-Butanone	7.465	43	858584	249.467	ug/l	100
26) 2,2-Dichloropropane	7.477	77	308944	49.645	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	220668	50.366	ug/l	100
28) Bromochloromethane	7.800	49	164506	46.931	ug/l	100
29) Tetrahydrofuran	7.824	42	555506	250.802	ug/l	100
30) Chloroform	7.947	83	370301	50.036	ug/l	100
31) Cyclohexane	8.236	56	289400	47.878	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	305533	48.715	ug/l	100
36) 1,1-Dichloropropene	8.353	75	247135	47.660	ug/l	100
37) Ethyl Acetate	7.547	43	347439	49.034	ug/l	100
38) Carbon Tetrachloride	8.341	117	253643	49.543	ug/l	100
39) Methylcyclohexane	9.583	83	276006	48.348	ug/l	100
40) Benzene	8.588	78	788238	49.562	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	182028	49.594	ug/l		100
42) 1,2-Dichloroethane	8.653	62	304323	49.794	ug/l		100
43) Isopropyl Acetate	8.671	43	560899	50.703	ug/l		100
44) Trichloroethene	9.330	130	176493	48.607	ug/l		100
45) 1,2-Dichloropropane	9.600	63	202893	48.398	ug/l		100
46) Dibromomethane	9.688	93	148909	49.915	ug/l		100
47) Bromodichloromethane	9.871	83	298888	48.886	ug/l		100
48) Methyl methacrylate	9.665	41	261445	49.964	ug/l		100
49) 1,4-Dioxane	9.683	88	72780	1073.097	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.424	43	1722397	258.056	ug/l		100
52) Toluene	10.606	92	491725	49.872	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	329003	51.987	ug/l		100
54) cis-1,3-Dichloropropene	10.288	75	335961	51.127	ug/l		100
55) 1,1,2-Trichloroethane	10.994	97	190842	50.035	ug/l		100
56) Ethyl methacrylate	10.853	69	330271	54.182	ug/l		100
57) 1,3-Dichloropropane	11.141	76	342170	50.690	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	829191	251.329	ug/l		100
59) 2-Hexanone	11.177	43	1194193	283.100	ug/l		100
60) Dibromochloromethane	11.335	129	218275	49.389	ug/l		100
61) 1,2-Dibromoethane	11.447	107	202283	50.296	ug/l		100
64) Tetrachloroethene	11.082	164	137281	45.149	ug/l		100
65) Chlorobenzene	11.871	112	530421	48.648	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	184496	50.970	ug/l		100
67) Ethyl Benzene	11.941	91	939520	49.767	ug/l		100
68) m/p-Xylenes	12.047	106	711871	102.820	ug/l		100
69) o-Xylene	12.376	106	348655	51.386	ug/l		100
70) Styrene	12.388	104	605599	53.277	ug/l		100
71) Bromoform	12.559	173	140399	50.575	ug/l		100
73) Isopropylbenzene	12.671	105	889165	49.821	ug/l		100
74) N-amyl acetate	12.500	43	343435m	50.016	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	301018	48.990	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	236877m	45.626	ug/l		
77) Bromobenzene	12.959	156	207789	49.379	ug/l		100
78) n-propylbenzene	13.012	91	1109533	50.472	ug/l		100
79) 2-Chlorotoluene	13.100	91	657210	49.679	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	766722	50.642	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	99551	50.885	ug/l		100
82) 4-Chlorotoluene	13.200	91	696270	50.059	ug/l		100
83) tert-Butylbenzene	13.418	119	642869	50.955	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	772176	50.948	ug/l		100
85) sec-Butylbenzene	13.594	105	933105	49.838	ug/l		100
86) p-Isopropyltoluene	13.706	119	779657	50.430	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	403466	48.688	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	412346	47.815	ug/l		100
89) n-Butylbenzene	14.029	91	764482	49.789	ug/l		100
90) Hexachloroethane	14.312	117	144635	49.105	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	387612	49.303	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	70059	47.997	ug/l		100
93) 1,2,4-Trichlorobenzene	15.365	180	226580	47.995	ug/l		100
94) Hexachlorobutadiene	15.476	225	78424	46.597	ug/l		100
95) Naphthalene	15.612	128	829102	49.583	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	222211	48.148	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

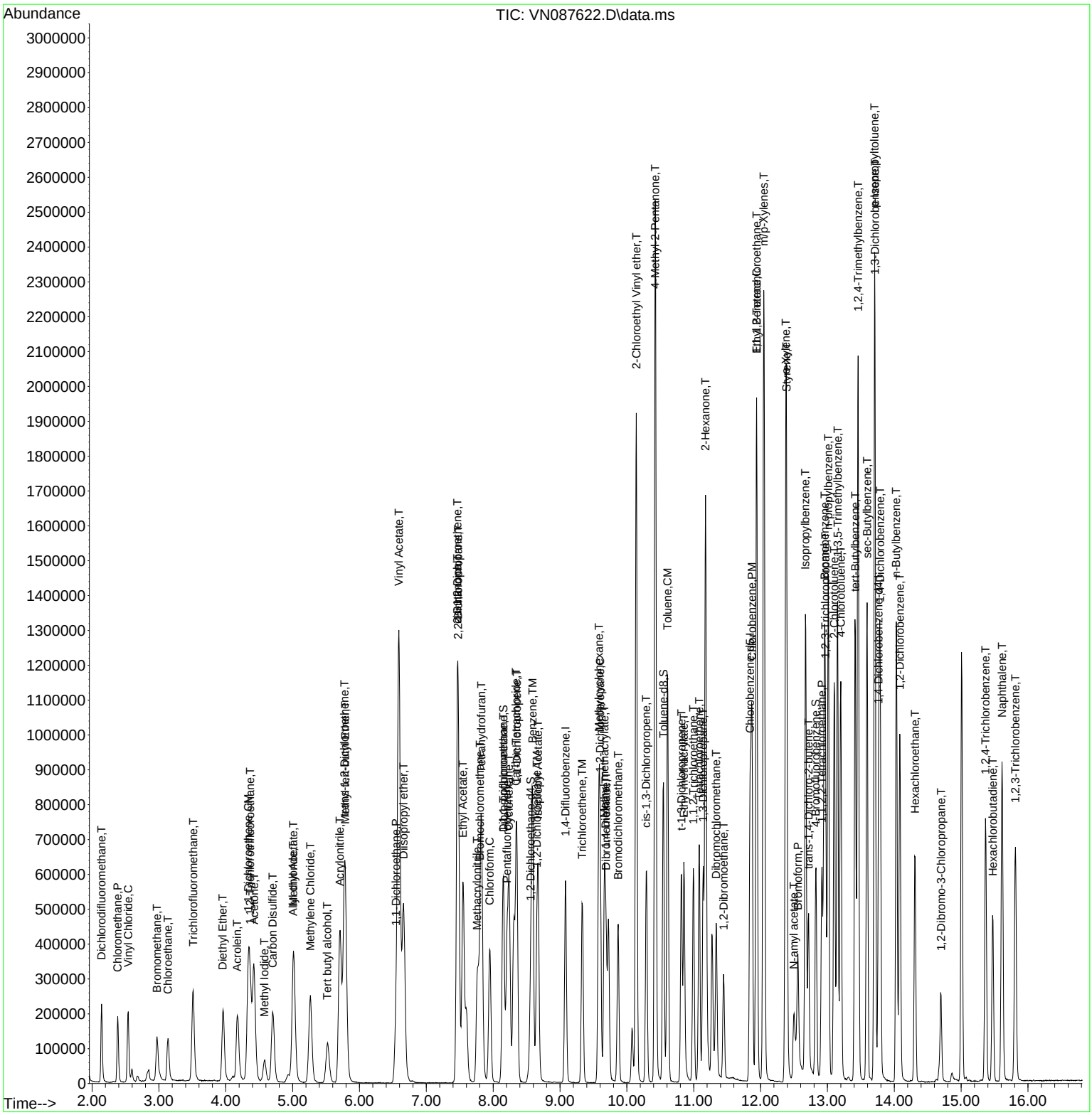
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087622.D
Acq On : 21 Aug 2025 14:02
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 22 02:32:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	247255	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	481199	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	447994	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	226864	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	511669	101.001	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.000%#			
35) Dibromofluoromethane	8.147	113	358663	103.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 206.460%#			
50) Toluene-d8	10.547	98	1354664	104.177	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 208.360%#			
62) 4-Bromofluorobenzene	12.829	95	494494	106.930	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 213.860%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	384461	109.480	ug/l	97
3) Chloromethane	2.383	50	371688	102.992	ug/l	99
4) Vinyl Chloride	2.536	62	418975	100.128	ug/l	97
5) Bromomethane	2.959	94	230328	106.679	ug/l	97
6) Chloroethane	3.124	64	276071	93.871	ug/l	99
7) Trichlorofluoromethane	3.506	101	606894	98.995	ug/l	100
8) Diethyl Ether	3.959	74	252092	94.419	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	323480	93.250	ug/l	99
10) Methyl Iodide	4.577	142	277692	99.335	ug/l	96
11) Tert butyl alcohol	5.530	59	430345	489.322	ug/l	99
12) 1,1-Dichloroethene	4.330	96	329881	92.539	ug/l	95
13) Acrolein	4.171	56	484654	448.258	ug/l	100
14) Allyl chloride	5.012	41	597335	92.467	ug/l	99
15) Acrylonitrile	5.706	53	1204622	485.671	ug/l	99
16) Acetone	4.424	43	1195609	433.545	ug/l	99
17) Carbon Disulfide	4.700	76	957812	97.598	ug/l	98
18) Methyl Acetate	5.012	43	552409	95.669	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	1306892	97.726	ug/l	98
20) Methylene Chloride	5.259	84	385191	97.752	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	364392	94.317	ug/l	95
22) Diisopropyl ether	6.659	45	1368059	98.135	ug/l	98
23) Vinyl Acetate	6.588	43	6369332	502.195	ug/l	98
24) 1,1-Dichloroethane	6.553	63	719127	94.084	ug/l	98
25) 2-Butanone	7.471	43	1730205	476.881	ug/l	98
26) 2,2-Dichloropropane	7.471	77	631604	96.278	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	449130	97.241	ug/l	100
28) Bromochloromethane	7.794	49	369878	100.097	ug/l	99
29) Tetrahydrofuran	7.824	42	1140137	488.295	ug/l	100
30) Chloroform	7.947	83	751186	96.286	ug/l	97
31) Cyclohexane	8.235	56	593829	93.193	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	625473	94.602	ug/l	98
36) 1,1-Dichloropropene	8.353	75	502476	94.275	ug/l	99
37) Ethyl Acetate	7.547	43	703230	96.555	ug/l	99
38) Carbon Tetrachloride	8.341	117	528406	100.412	ug/l	93
39) Methylcyclohexane	9.582	83	574374	97.883	ug/l	98
40) Benzene	8.588	78	1577387	96.490	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	369145	97.845	ug/l		99
42) 1,2-Dichloroethane	8.653	62	600726	95.625	ug/l		99
43) Isopropyl Acetate	8.671	43	1142494	100.474	ug/l		99
44) Trichloroethene	9.329	130	353426	94.694	ug/l		99
45) 1,2-Dichloropropane	9.600	63	399209	92.644	ug/l		99
46) Dibromomethane	9.688	93	298076	97.207	ug/l		99
47) Bromodichloromethane	9.871	83	613683	97.651	ug/l		95
48) Methyl methacrylate	9.665	41	543991	101.141	ug/l		99
49) 1,4-Dioxane	9.682	88	148991	2137.188	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.423	43	3455510	503.673	ug/l		99
52) Toluene	10.612	92	998331	98.507	ug/l		100
53) t-1,3-Dichloropropene	10.818	75	672690	103.410	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	686982	101.709	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	385129	98.234	ug/l		96
56) Ethyl methacrylate	10.853	69	688119	109.827	ug/l		99
57) 1,3-Dichloropropane	11.141	76	681646	98.241	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	1799387	530.602	ug/l		99
59) 2-Hexanone	11.176	43	2445031	563.903	ug/l		100
60) Dibromochloromethane	11.335	129	447781	98.572	ug/l		100
61) 1,2-Dibromoethane	11.447	107	412721	99.836	ug/l		98
64) Tetrachloroethene	11.082	164	282055	90.747	ug/l		95
65) Chlorobenzene	11.870	112	1089532	97.756	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.935	131	373160	100.851	ug/l		99
67) Ethyl Benzene	11.941	91	1928084	99.914	ug/l		99
68) m/p-Xylenes	12.047	106	1448543	204.677	ug/l		100
69) o-Xylene	12.376	106	705872	101.775	ug/l		99
70) Styrene	12.388	104	1242271	106.913	ug/l		99
71) Bromoform	12.559	173	300919	106.042	ug/l	#	98
73) Isopropylbenzene	12.670	105	1813905	98.947	ug/l		99
74) N-amyl acetate	12.488	43	692783	98.225	ug/l	#	92
75) 1,1,2,2-Tetrachloroethane	12.917	83	599955	95.058	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	487205m	91.360	ug/l		
77) Bromobenzene	12.959	156	421382	97.488	ug/l		100
78) n-propylbenzene	13.011	91	2252725	99.764	ug/l		100
79) 2-Chlorotoluene	13.100	91	1350026	99.349	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	1541753	99.138	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.717	75	223478	111.207	ug/l		85
82) 4-Chlorotoluene	13.200	91	1392464	97.464	ug/l		98
83) tert-Butylbenzene	13.417	119	1296218	100.022	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	1574771	101.155	ug/l		100
85) sec-Butylbenzene	13.594	105	1888785	98.213	ug/l		100
86) p-Isopropyltoluene	13.706	119	1589055	100.064	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	819384	96.262	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	824944	93.128	ug/l		99
89) n-Butylbenzene	14.029	91	1541853	97.761	ug/l		99
90) Hexachloroethane	14.306	117	294494	97.338	ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	781928	96.828	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	142185	94.833	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	471693	97.272	ug/l		99
94) Hexachlorobutadiene	15.476	225	157139	90.896	ug/l		99
95) Naphthalene	15.611	128	1777069	103.462	ug/l		100
96) 1,2,3-Trichlorobenzene	15.811	180	462335	97.526	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

ICAL Form

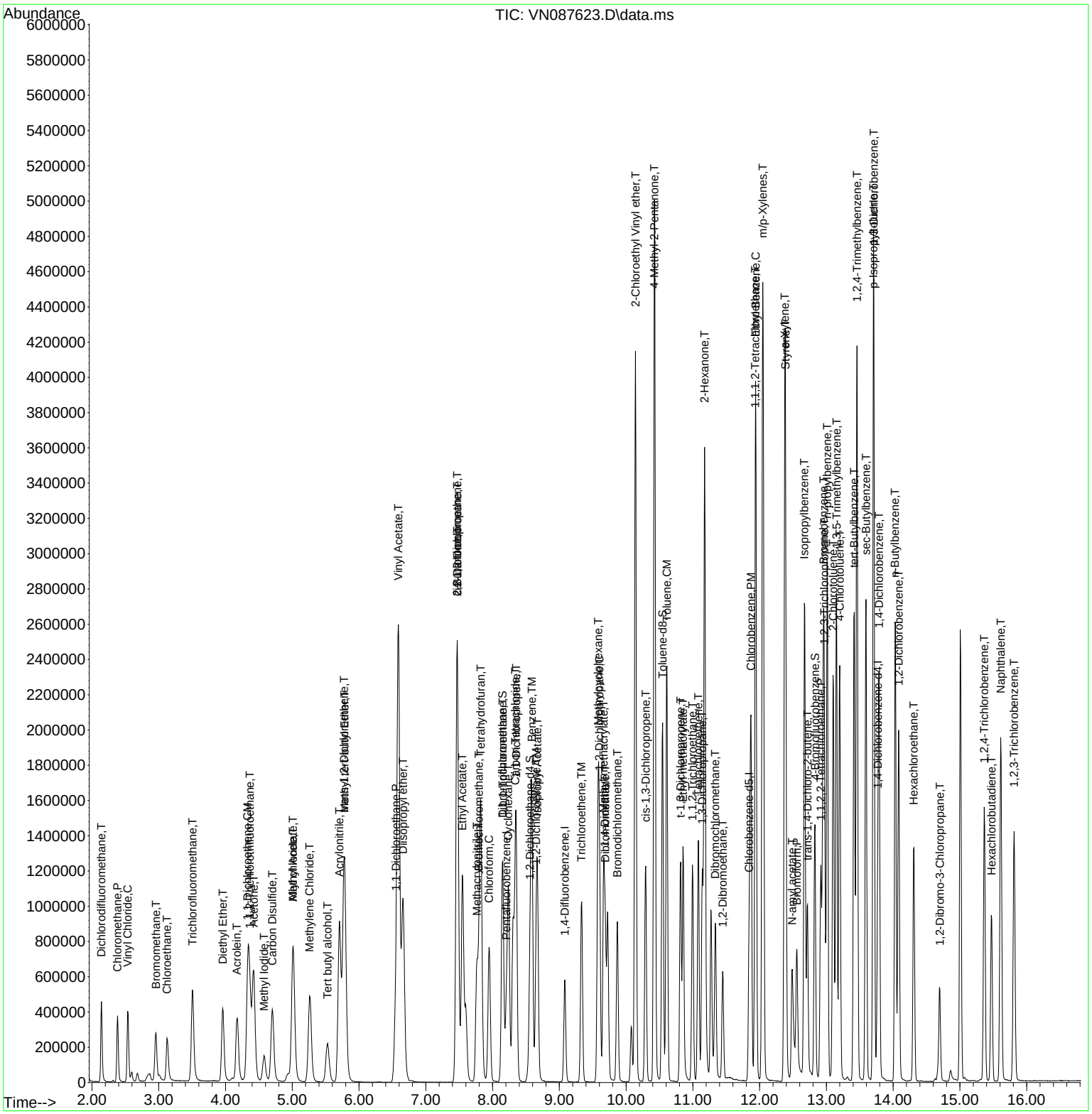
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087623.D
Acq On : 21 Aug 2025 14:23
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Aug 22 02:33:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	245979	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	485482	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	448278	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	220585	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	803343	159.399	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 318.800%#			
35) Dibromofluoromethane	8.147	113	562370	160.440	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 320.880%#			
50) Toluene-d8	10.547	98	2147647	163.702	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 327.400%#			
62) 4-Bromofluorobenzene	12.823	95	785776	168.419	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 336.840%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	576704	165.075	ug/l	97
3) Chloromethane	2.383	50	550985	153.466	ug/l	98
4) Vinyl Chloride	2.536	62	624259	149.961	ug/l	96
5) Bromomethane	2.942	94	360172	167.683	ug/l	96
6) Chloroethane	3.124	64	408766	139.711	ug/l	99
7) Trichlorofluoromethane	3.506	101	909991	149.205	ug/l	94
8) Diethyl Ether	3.959	74	383278	144.299	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	484239	140.317	ug/l	98
10) Methyl Iodide	4.577	142	432564	151.685	ug/l	97
11) Tert butyl alcohol	5.530	59	641433	733.123	ug/l	98
12) 1,1-Dichloroethene	4.336	96	506728	142.886	ug/l	97
13) Acrolein	4.171	56	861137	800.600	ug/l	99
14) Allyl chloride	5.012	41	1015124	157.956	ug/l	93
15) Acrylonitrile	5.706	53	1818844	737.113	ug/l	99
16) Acetone	4.424	43	1805178	657.978	ug/l	98
17) Carbon Disulfide	4.700	76	1460081	149.550	ug/l	100
18) Methyl Acetate	5.012	43	842183	146.610	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	2023752	152.117	ug/l	97
20) Methylene Chloride	5.259	84	589373	151.029	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	549970	143.089	ug/l	98
22) Diisopropyl ether	6.659	45	2071435	149.361	ug/l	99
23) Vinyl Acetate	6.589	43	9699326	768.719	ug/l	100
24) 1,1-Dichloroethane	6.553	63	1085255	142.721	ug/l	98
25) 2-Butanone	7.471	43	2610414	723.217	ug/l	99
26) 2,2-Dichloropropane	7.471	77	956513	146.562	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	667748	145.324	ug/l	98
28) Bromochloromethane	7.794	49	539576	146.779	ug/l	99
29) Tetrahydrofuran	7.824	42	1725889	742.994	ug/l	100
30) Chloroform	7.947	83	1127250	145.239	ug/l	98
31) Cyclohexane	8.241	56	890974	140.551	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	950731	144.543	ug/l	97
36) 1,1-Dichloropropene	8.353	75	748756	139.242	ug/l	99
37) Ethyl Acetate	7.547	43	1064446	144.861	ug/l	98
38) Carbon Tetrachloride	8.341	117	789246	148.656	ug/l	98
39) Methylcyclohexane	9.583	83	867837	146.589	ug/l	98
40) Benzene	8.588	78	2405823	145.868	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	7.765	41	552329	145.108 ug/l		97
42) 1,2-Dichloroethane	8.653	62	912127	143.914 ug/l		99
43) Isopropyl Acetate	8.671	43	1715458	149.531 ug/l		98
44) Trichloroethene	9.335	130	538839	143.098 ug/l		99
45) 1,2-Dichloropropane	9.600	63	600437	138.113 ug/l		100
46) Dibromomethane	9.688	93	454128	146.791 ug/l		99
47) Bromodichloromethane	9.865	83	931257	146.876 ug/l		96
48) Methyl methacrylate	9.665	41	826047	152.226 ug/l		99
49) 1,4-Dioxane	9.683	88	204489	2907.396 ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	5127143	740.736 ug/l		99
52) Toluene	10.612	92	1505069	147.197 ug/l		100
53) t-1,3-Dichloropropene	10.818	75	1040899	158.602 ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	1034308	151.780 ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	578828	146.338 ug/l		97
56) Ethyl methacrylate	10.853	69	1058252	167.411 ug/l		99
57) 1,3-Dichloropropane	11.141	76	1028391	146.908 ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	2825105	825.716 ug/l		99
59) 2-Hexanone	11.177	43	3690702	843.686 ug/l		100
60) Dibromochloromethane	11.335	129	680951	148.578 ug/l		100
61) 1,2-Dibromoethane	11.447	107	621238	148.950 ug/l		98
64) Tetrachloroethene	11.082	164	421013	135.369 ug/l		96
65) Chlorobenzene	11.871	112	1629434	146.105 ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	562761	151.997 ug/l		99
67) Ethyl Benzene	11.941	91	2928525	151.661 ug/l		98
68) m/p-Xylenes	12.047	106	2189611	309.193 ug/l		99
69) o-Xylene	12.376	106	1053696	151.829 ug/l		99
70) Styrene	12.388	104	1873074	161.099 ug/l		99
71) Bromoform	12.559	173	451851	159.129 ug/l	#	98
73) Isopropylbenzene	12.671	105	2726116	152.940 ug/l		100
74) N-amyl acetate	12.482	43	1146975	167.250 ug/l	#	90
75) 1,1,2,2-Tetrachloroethane	12.918	83	907151	147.822 ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	830843m	160.233 ug/l		
77) Bromobenzene	12.959	156	620711	147.691 ug/l		98
78) n-propylbenzene	13.012	91	3351021	152.627 ug/l		100
79) 2-Chlorotoluene	13.100	91	2010067	152.133 ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	2284564	151.084 ug/l		100
81) trans-1,4-Dichloro-2-b...	12.712	75	345953	177.054 ug/l		84
82) 4-Chlorotoluene	13.200	91	2047130	147.365 ug/l		98
83) tert-Butylbenzene	13.418	119	1908253	151.441 ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	2300224	151.960 ug/l		100
85) sec-Butylbenzene	13.594	105	2775113	148.408 ug/l		100
86) p-Isopropyltoluene	13.706	119	2324153	150.520 ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	1208472	146.014 ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	1218359	141.456 ug/l		99
89) n-Butylbenzene	14.035	91	2273344	148.244 ug/l		99
90) Hexachloroethane	14.312	117	442763	150.511 ug/l		97
91) 1,2-Dichlorobenzene	14.082	146	1153653	146.927 ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	218577	149.934 ug/l		97
93) 1,2,4-Trichlorobenzene	15.365	180	714001	151.432 ug/l		99
94) Hexachlorobutadiene	15.476	225	238563	141.923 ug/l		99
95) Naphthalene	15.612	128	2705715	162.013 ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	709644	153.956 ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

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

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

ICAL Form

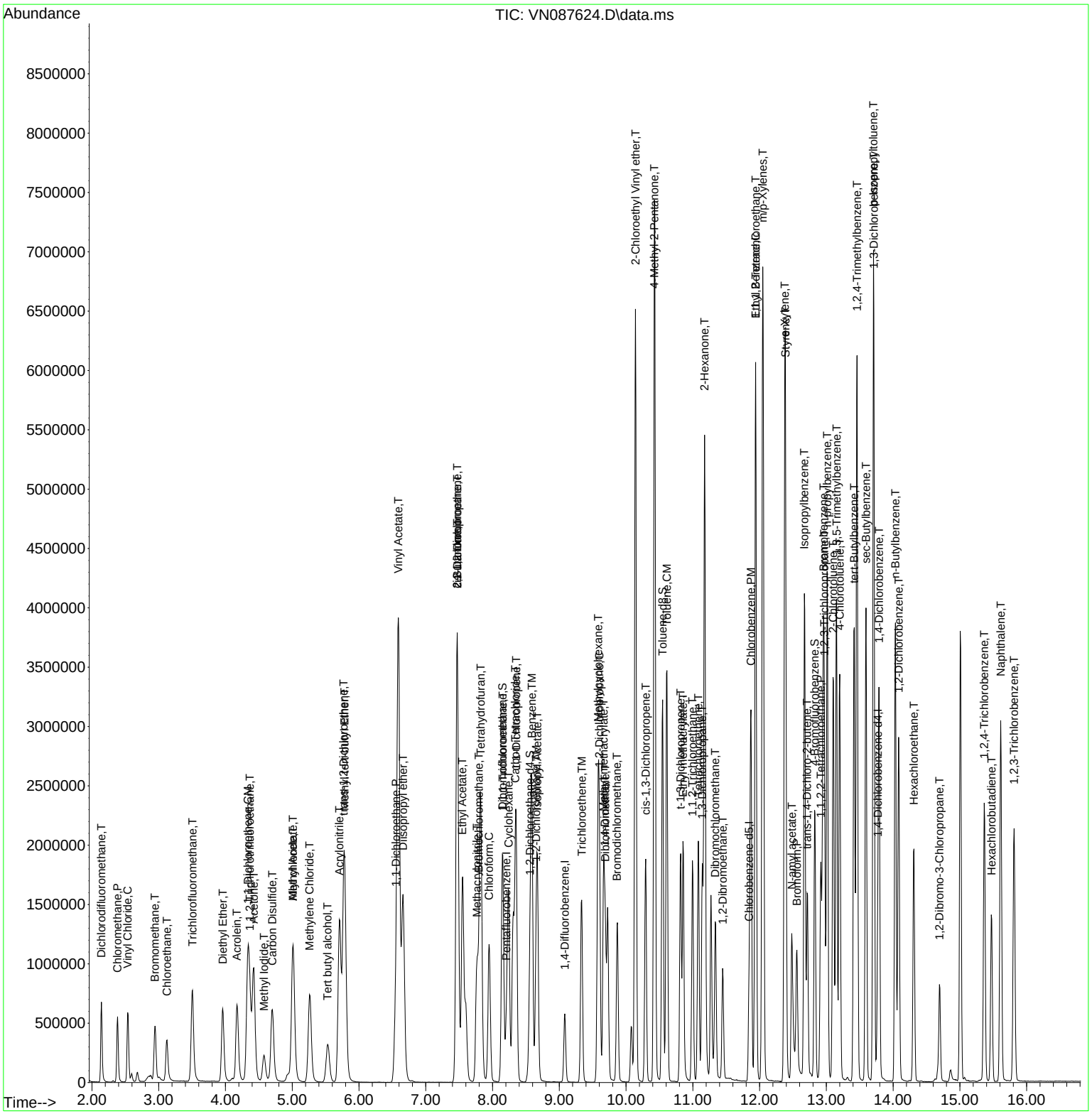
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087624.D
Acq On : 21 Aug 2025 14:44
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 22 02:36:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:09:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	236538	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	462145	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	426678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	215492	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211874	43.718	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	87.440%		
35) Dibromofluoromethane	8.153	113	144206	43.218	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	86.440%		
50) Toluene-d8	10.547	98	538430	43.114	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	86.220%		
62) 4-Bromofluorobenzene	12.829	95	197985	44.578	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	89.160%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	166005	49.414	ug/l	98
3) Chloromethane	2.383	50	164410	47.621	ug/l	99
4) Vinyl Chloride	2.536	62	181981	45.461	ug/l	97
5) Bromomethane	2.971	94	104036	50.369	ug/l	90
6) Chloroethane	3.136	64	119563	42.496	ug/l	99
7) Trichlorofluoromethane	3.512	101	258055	44.000	ug/l	99
8) Diethyl Ether	3.959	74	106479	41.688	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	138202	41.645	ug/l	99
10) Methyl Iodide	4.577	142	101477	42.154	ug/l	96
11) Tert butyl alcohol	5.518	59	188337	223.850	ug/l	99
12) 1,1-Dichloroethene	4.342	96	143630	42.117	ug/l	94
13) Acrolein	4.177	56	214366	207.251	ug/l	99
14) Allyl chloride	5.012	41	251818	40.748	ug/l	98
15) Acrylonitrile	5.712	53	512416	215.953	ug/l	98
16) Acetone	4.424	43	534765	202.699	ug/l	100
17) Carbon Disulfide	4.700	76	403340	42.961	ug/l	99
18) Methyl Acetate	5.012	43	239686	43.391	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	554938	43.377	ug/l	95
20) Methylene Chloride	5.259	84	171230	44.741	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	155031	41.945	ug/l	95
22) Diisopropyl ether	6.659	45	570242	42.758	ug/l	98
23) Vinyl Acetate	6.588	43	2684129	221.221	ug/l	100
24) 1,1-Dichloroethane	6.553	63	308870	42.240	ug/l	97
25) 2-Butanone	7.471	43	748996	215.792	ug/l	98
26) 2,2-Dichloropropane	7.471	77	266418	42.451	ug/l	98
27) cis-1,2-Dichloroethene	7.477	96	187583	42.454	ug/l	98
28) Bromochloromethane	7.794	49	162438	45.951	ug/l	98
29) Tetrahydrofuran	7.824	42	468943	209.937	ug/l	99
30) Chloroform	7.947	83	321565	43.085	ug/l	99
31) Cyclohexane	8.241	56	255575	41.926	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	268667	42.477	ug/l	98
36) 1,1-Dichloropropene	8.353	75	213398	41.688	ug/l	99
37) Ethyl Acetate	7.547	43	286649	40.980	ug/l	97
38) Carbon Tetrachloride	8.341	117	220428	43.614	ug/l	96
39) Methylcyclohexane	9.582	83	234965	41.693	ug/l	99
40) Benzene	8.588	78	677138	43.129	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.765	41	154175	42.550 ug/l	97
42) 1,2-Dichloroethane	8.653	62	260576	43.189 ug/l	98
43) Isopropyl Acetate	8.671	43	475910	43.578 ug/l	98
44) Trichloroethene	9.329	130	150412	41.962 ug/l	98
45) 1,2-Dichloropropane	9.600	63	170592	41.221 ug/l	97
46) Dibromomethane	9.688	93	127636	43.340 ug/l	99
47) Bromodichloromethane	9.871	83	260671	43.189 ug/l	95
48) Methyl methacrylate	9.665	41	224953	43.548 ug/l	99
49) 1,4-Dioxane	9.682	88	62435	932.518 ug/l #	98
51) 4-Methyl-2-Pentanone	10.423	43	1463763	222.154 ug/l	100
52) Toluene	10.612	92	421282	43.282 ug/l	99
53) t-1,3-Dichloropropene	10.818	75	278049	44.506 ug/l	95
54) cis-1,3-Dichloropropene	10.294	75	284560	43.867 ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	165061	43.838 ug/l	99
56) Ethyl methacrylate	10.853	69	283473	47.109 ug/l	98
57) 1,3-Dichloropropane	11.141	76	287664	43.169 ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	842734	258.751 ug/l	100
59) 2-Hexanone	11.176	43	1001252	240.442 ug/l	100
60) Dibromochloromethane	11.335	129	187315	42.934 ug/l	98
61) 1,2-Dibromoethane	11.447	107	173643	43.736 ug/l	99
64) Tetrachloroethene	11.082	164	117611	39.730 ug/l	94
65) Chlorobenzene	11.870	112	449967	42.389 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.941	131	156161	44.313 ug/l	100
67) Ethyl Benzene	11.941	91	803704	43.729 ug/l	100
68) m/p-Xylenes	12.047	106	605035	89.762 ug/l	100
69) o-Xylene	12.376	106	289138	43.771 ug/l	96
70) Styrene	12.388	104	506439	45.763 ug/l	99
71) Bromoform	12.559	173	121336	44.894 ug/l #	98
73) Isopropylbenzene	12.670	105	761746	43.745 ug/l	98
74) N-amyl acetate	12.500	43	294763m	44.668 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	264712	44.155 ug/l	99
76) 1,2,3-Trichloropropane	12.970	75	246217m	48.723 ug/l	
77) Bromobenzene	12.959	156	177807	43.307 ug/l	98
78) n-propylbenzene	13.012	91	946175	44.113 ug/l	99
79) 2-Chlorotoluene	13.100	91	559855	43.374 ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	645684	43.710 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	85496	44.790 ug/l	86
82) 4-Chlorotoluene	13.200	91	598781	44.123 ug/l	99
83) tert-Butylbenzene	13.417	119	547166	44.450 ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	666050	45.041 ug/l	98
85) sec-Butylbenzene	13.594	105	802373	43.924 ug/l	99
86) p-Isopropyltoluene	13.706	119	658963	43.685 ug/l	99
87) 1,3-Dichlorobenzene	13.711	146	346038	42.798 ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	359327	42.705 ug/l	99
89) n-Butylbenzene	14.035	91	654734	43.704 ug/l	100
90) Hexachloroethane	14.311	117	119987	41.752 ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	329254	42.924 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.694	75	60532	42.504 ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	197383	42.852 ug/l	99
94) Hexachlorobutadiene	15.476	225	67769	41.269 ug/l	99
95) Naphthalene	15.611	128	706917	43.329 ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	191126	42.444 ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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\VN082125\
Data File : VN087626.D
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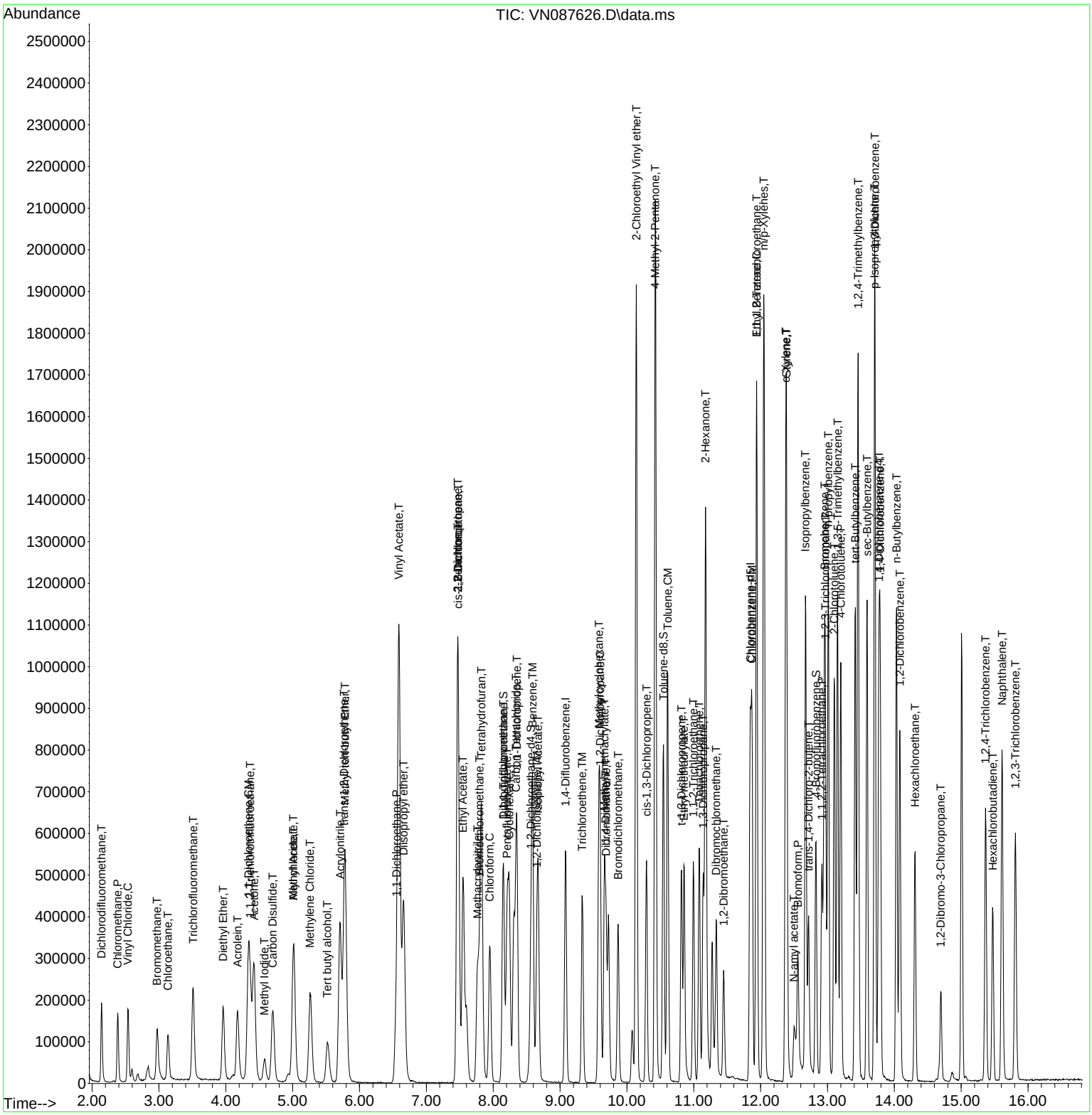
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Manual Integrations APPROVED

Reviewed By :John Carlone 08/22/2025
Supervised By :Mahesh Dadoda 08/25/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	101	0.00
2	T	Dichlorodifluoromethane	0.710	0.702	1.1	87	0.00
3	P	Chloromethane	0.730	0.695	4.8	88	0.00
4	C	Vinyl Chloride	0.846	0.769	9.1#	86	0.00
5	T	Bromomethane	0.437	0.440	-0.7	99	0.00
6	T	Chloroethane	0.595	0.505	15.1	85	0.00
7	T	Trichlorofluoromethane	1.240	1.091	12.0	86	0.00
8	T	Diethyl Ether	0.540	0.450	16.7	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.701	0.584	16.7	85	0.00
10	T	Methyl Iodide	0.450	0.429	4.7	90	0.00
11	T	Tert butyl alcohol	0.178	0.159	10.7	87	0.00
12	CM	1,1-Dichloroethene	0.721	0.607	15.8#	87	0.00
13	T	Acrolein	0.219	0.181	17.4	85	0.00
14	T	Allyl chloride	1.306	1.065	18.5	87	0.00
15	T	Acrylonitrile	0.502	0.433	13.7	88	0.00
16	T	Acetone	0.558	0.452	19.0	87	0.00
17	T	Carbon Disulfide	1.985	1.705	14.1	86	0.00
18	T	Methyl Acetate	1.168	1.013	13.3	88	0.00
19	T	Methyl tert-butyl Ether	2.704	2.346	13.2	87	0.00
20	T	Methylene Chloride	0.948	0.724	23.6	89	0.00
21	T	trans-1,2-Dichloroethene	0.781	0.655	16.1	88	0.00
22	T	Diisopropyl ether	2.819	2.411	14.5	85	0.00
23	T	Vinyl Acetate	2.565	2.270	11.5	85	0.00
24	P	1,1-Dichloroethane	1.546	1.306	15.5	88	0.00
25	T	2-Butanone	0.734	0.633	13.8	87	0.00
26	T	2,2-Dichloropropane	1.327	1.126	15.1	86	0.00
27	T	cis-1,2-Dichloroethene	0.934	0.793	15.1	85	0.01
28	T	Bromochloromethane	0.747	0.687	8.0	99	0.00
29	T	Tetrahydrofuran	0.472	0.397	15.9	84	0.00
30	C	Chloroform	1.578	1.359	13.9#	87	0.00
31	T	Cyclohexane	1.289	1.080	16.2	88	0.00
32	T	1,1,1-Trichloroethane	1.337	1.136	15.0	88	0.00
33	S	1,2-Dichloroethane-d4	1.024	0.896	12.5	94	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
35	S	Dibromofluoromethane	0.361	0.312	13.6	92	0.00
36	T	1,1-Dichloropropene	0.554	0.462	16.6	86	0.00
37	T	Ethyl Acetate	0.757	0.620	18.1	83	0.00
38	T	Carbon Tetrachloride	0.547	0.477	12.8	87	0.00
39	T	Methylcyclohexane	0.610	0.508	16.7	85	0.00
40	TM	Benzene	1.699	1.465	13.8	86	0.00
41	T	Methacrylonitrile	0.392	0.334	14.8	85	0.00
42	TM	1,2-Dichloroethane	0.653	0.564	13.6	86	0.00
43	T	Isopropyl Acetate	1.182	1.030	12.9	85	0.00
44	TM	Trichloroethene	0.388	0.325	16.2	85	0.00
45	C	1,2-Dichloropropane	0.448	0.369	17.6#	84	0.00
46	T	Dibromomethane	0.319	0.276	13.5	86	0.00
47	T	Bromodichloromethane	0.653	0.564	13.6	87	0.00
48	T	Methyl methacrylate	0.559	0.487	12.9	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.007	0.0	86	0.00
50	S	Toluene-d8	1.351	1.165	13.8	94	0.00
51	T	4-Methyl-2-Pentanone	0.713	0.633	11.2	85	0.00
52	CM	Toluene	1.053	0.912	13.4#	86	0.00
53	T	t-1,3-Dichloropropene	0.676	0.602	10.9	85	0.00
54	T	cis-1,3-Dichloropropene	0.702	0.616	12.3	85	0.00
55	T	1,1,2-Trichloroethane	0.407	0.357	12.3	86	0.00
56	T	Ethyl methacrylate	0.651	0.613	5.8	86	0.00
57	T	1,3-Dichloropropane	0.721	0.622	13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	0.352	0.365	-3.7	102	0.00
59	T	2-Hexanone	0.451	0.433	4.0	84	0.00
60	T	Dibromochloromethane	0.472	0.405	14.2	86	0.00
61	T	1,2-Dibromoethane	0.430	0.376	12.6	86	0.00
62	S	4-Bromofluorobenzene	0.481	0.428	11.0	94	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.347	0.276	20.5	86	0.00
65	PM	Chlorobenzene	1.244	1.055	15.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.366	11.4	85	0.00
67	C	Ethyl Benzene	2.154	1.884	12.5#	86	0.00
68	T	m/p-Xylenes	0.790	0.709	10.3	85	0.00
69	T	o-Xylene	0.774	0.678	12.4	83	0.00
70	T	Styrene	1.297	1.187	8.5	84	0.00
71	P	Bromoform	0.317	0.284	10.4	86	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	98	0.00
73	T	Isopropylbenzene	4.040	3.535	12.5	86	0.00
74	T	N-amyl acetate	1.531	1.368	10.6	86	0.00
75	P	1,1,2,2-Tetrachloroethane	1.391	1.228	11.7	88	0.00
76	T	1,2,3-Trichloropropane	1.173	1.143	2.6	104	0.00
77	T	Bromobenzene	0.953	0.825	13.4	86	0.00
78	T	n-propylbenzene	4.977	4.391	11.8	85	0.00
79	T	2-Chlorotoluene	2.995	2.598	13.3	85	0.00
80	T	1,3,5-Trimethylbenzene	3.428	2.996	12.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	0.443	0.397	10.4	86	0.00
82	T	4-Chlorotoluene	3.149	2.779	11.7	86	0.00
83	T	tert-Butylbenzene	2.856	2.539	11.1	85	0.00
84	T	1,2,4-Trimethylbenzene	3.431	3.091	9.9	86	0.00
85	T	sec-Butylbenzene	4.239	3.723	12.2	86	0.00
86	T	p-Isopropyltoluene	3.500	3.058	12.6	85	0.00
87	T	1,3-Dichlorobenzene	1.876	1.606	14.4	86	0.00
88	T	1,4-Dichlorobenzene	1.952	1.667	14.6	87	0.00
89	T	n-Butylbenzene	3.476	3.038	12.6	86	0.00
90	T	Hexachloroethane	0.667	0.557	16.5	83	0.00
91	T	1,2-Dichlorobenzene	1.780	1.528	14.2	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.330	0.281	14.8	86	0.00
93	T	1,2,4-Trichlorobenzene	1.069	0.916	14.3	87	0.00
94	T	Hexachlorobutadiene	0.381	0.314	17.6	86	0.00
95	T	Naphthalene	3.786	3.280	13.4	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	1.045	0.887	15.1	86	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\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	101	0.00
2	T	Dichlorodifluoromethane	50.000	49.414	1.2	87	0.00
3	P	Chloromethane	50.000	47.621	4.8	88	0.00
4	C	Vinyl Chloride	50.000	45.461	9.1#	86	0.00
5	T	Bromomethane	50.000	50.369	-0.7	99	0.00
6	T	Chloroethane	50.000	42.496	15.0	85	0.00
7	T	Trichlorofluoromethane	50.000	44.000	12.0	86	0.00
8	T	Diethyl Ether	50.000	41.688	16.6	86	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	41.645	16.7	85	0.00
10	T	Methyl Iodide	50.000	42.154	15.7	90	0.00
11	T	Tert butyl alcohol	250.000	223.850	10.5	87	0.00
12	CM	1,1-Dichloroethene	50.000	42.117	15.8#	87	0.00
13	T	Acrolein	250.000	207.251	17.1	85	0.00
14	T	Allyl chloride	50.000	40.748	18.5	87	0.00
15	T	Acrylonitrile	250.000	215.953	13.6	88	0.00
16	T	Acetone	250.000	202.699	18.9	87	0.00
17	T	Carbon Disulfide	50.000	42.961	14.1	86	0.00
18	T	Methyl Acetate	50.000	43.391	13.2	88	0.00
19	T	Methyl tert-butyl Ether	50.000	43.377	13.2	87	0.00
20	T	Methylene Chloride	50.000	44.741	10.5	89	0.00
21	T	trans-1,2-Dichloroethene	50.000	41.945	16.1	88	0.00
22	T	Diisopropyl ether	50.000	42.758	14.5	85	0.00
23	T	Vinyl Acetate	250.000	221.221	11.5	85	0.00
24	P	1,1-Dichloroethane	50.000	42.240	15.5	88	0.00
25	T	2-Butanone	250.000	215.792	13.7	87	0.00
26	T	2,2-Dichloropropane	50.000	42.451	15.1	86	0.00
27	T	cis-1,2-Dichloroethene	50.000	42.454	15.1	85	0.01
28	T	Bromochloromethane	50.000	45.951	8.1	99	0.00
29	T	Tetrahydrofuran	250.000	209.937	16.0	84	0.00
30	C	Chloroform	50.000	43.085	13.8#	87	0.00
31	T	Cyclohexane	50.000	41.926	16.1	88	0.00
32	T	1,1,1-Trichloroethane	50.000	42.477	15.0	88	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.718	12.6	94	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	99	0.00
35	S	Dibromofluoromethane	50.000	43.218	13.6	92	0.00
36	T	1,1-Dichloropropene	50.000	41.688	16.6	86	0.00
37	T	Ethyl Acetate	50.000	40.980	18.0	83	0.00
38	T	Carbon Tetrachloride	50.000	43.614	12.8	87	0.00
39	T	Methylcyclohexane	50.000	41.693	16.6	85	0.00
40	TM	Benzene	50.000	43.129	13.7	86	0.00
41	T	Methacrylonitrile	50.000	42.550	14.9	85	0.00
42	TM	1,2-Dichloroethane	50.000	43.189	13.6	86	0.00
43	T	Isopropyl Acetate	50.000	43.578	12.8	85	0.00
44	TM	Trichloroethene	50.000	41.962	16.1	85	0.00
45	C	1,2-Dichloropropane	50.000	41.221	17.6#	84	0.00
46	T	Dibromomethane	50.000	43.340	13.3	86	0.00
47	T	Bromodichloromethane	50.000	43.189	13.6	87	0.00
48	T	Methyl methacrylate	50.000	43.548	12.9	86	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	932.518	6.7	86	0.00
50	S	Toluene-d8	50.000	43.114	13.8	94	0.00
51	T	4-Methyl-2-Pentanone	250.000	222.154	11.1	85	0.00
52	CM	Toluene	50.000	43.282	13.4#	86	0.00
53	T	t-1,3-Dichloropropene	50.000	44.506	11.0	85	0.00
54	T	cis-1,3-Dichloropropene	50.000	43.867	12.3	85	0.00
55	T	1,1,2-Trichloroethane	50.000	43.838	12.3	86	0.00
56	T	Ethyl methacrylate	50.000	47.109	5.8	86	0.00
57	T	1,3-Dichloropropane	50.000	43.169	13.7	84	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	258.751	-3.5	102	0.00
59	T	2-Hexanone	250.000	240.442	3.8	84	0.00
60	T	Dibromochloromethane	50.000	42.934	14.1	86	0.00
61	T	1,2-Dibromoethane	50.000	43.736	12.5	86	0.00
62	S	4-Bromofluorobenzene	50.000	44.578	10.8	94	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	39.730	20.5	86	0.00
65	PM	Chlorobenzene	50.000	42.389	15.2	85	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	44.313	11.4	85	0.00
67	C	Ethyl Benzene	50.000	43.729	12.5#	86	0.00
68	T	m/p-Xylenes	100.000	89.762	10.2	85	0.00
69	T	o-Xylene	50.000	43.771	12.5	83	0.00
70	T	Styrene	50.000	45.763	8.5	84	0.00
71	P	Bromoform	50.000	44.894	10.2	86	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	98	0.00
73	T	Isopropylbenzene	50.000	43.745	12.5	86	0.00
74	T	N-amyl acetate	50.000	44.668	10.7	86	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.155	11.7	88	0.00
76	T	1,2,3-Trichloropropane	50.000	48.723	2.6	104	0.00
77	T	Bromobenzene	50.000	43.307	13.4	86	0.00
78	T	n-propylbenzene	50.000	44.113	11.8	85	0.00
79	T	2-Chlorotoluene	50.000	43.374	13.3	85	0.00
80	T	1,3,5-Trimethylbenzene	50.000	43.710	12.6	84	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	44.790	10.4	86	0.00
82	T	4-Chlorotoluene	50.000	44.123	11.8	86	0.00
83	T	tert-Butylbenzene	50.000	44.450	11.1	85	0.00
84	T	1,2,4-Trimethylbenzene	50.000	45.041	9.9	86	0.00
85	T	sec-Butylbenzene	50.000	43.924	12.2	86	0.00
86	T	p-Isopropyltoluene	50.000	43.685	12.6	85	0.00
87	T	1,3-Dichlorobenzene	50.000	42.798	14.4	86	0.00
88	T	1,4-Dichlorobenzene	50.000	42.705	14.6	87	0.00
89	T	n-Butylbenzene	50.000	43.704	12.6	86	0.00
90	T	Hexachloroethane	50.000	41.752	16.5	83	0.00
91	T	1,2-Dichlorobenzene	50.000	42.924	14.2	85	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.504	15.0	86	0.00
93	T	1,2,4-Trichlorobenzene	50.000	42.852	14.3	87	0.00
94	T	Hexachlorobutadiene	50.000	41.269	17.5	86	0.00
95	T	Naphthalene	50.000	43.329	13.3	85	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087626.D
Acq On : 21 Aug 2025 15:47
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN082125

Quant Time: Aug 22 02:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:54:13 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	42.444	15.1	86	0.00

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

Raw Data: **VN087792.D**

Alliance TECHNICAL GROUP

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG No.: Q3078
Instrument ID: MSVOA_N
Calibration Date/Time: 09/11/2025 12:49
Lab File ID: VN087792.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.638		-10.14	20
Chloromethane	0.730	0.730	0.1	0	20
Vinyl Chloride	0.846	0.781		-7.68	20
Bromomethane	0.437	0.468		7.09	20
Chloroethane	0.595	0.536		-9.92	20
Trichlorofluoromethane	1.240	1.131		-8.79	20
1,1,2-Trichlorotrifluoroethane	0.701	0.597		-14.84	20
1,1-Dichloroethene	0.721	0.643		-10.82	20
Acetone	0.558	0.530		-5.02	20
Carbon Disulfide	1.985	1.832		-7.71	20
Methyl tert-butyl Ether	2.704	2.437		-9.87	20
Methyl Acetate	1.168	0.989		-15.32	20
Methylene Chloride	0.948	0.755		-20.36	20
trans-1,2-Dichloroethene	0.781	0.689		-11.78	20
1,1-Dichloroethane	1.546	1.354	0.1	-12.42	20
Cyclohexane	1.289	1.062		-17.61	20
2-Butanone	0.734	0.657		-10.49	20
Carbon Tetrachloride	0.547	0.529		-3.29	20
cis-1,2-Dichloroethene	0.934	0.844		-9.64	20
Bromochloromethane	0.747	0.594		-20.48	20
Chloroform	1.578	1.414		-10.39	20
1,1,1-Trichloroethane	1.337	1.181		-11.67	20
Methylcyclohexane	0.610	0.549		-10	20
Benzene	1.699	1.603		-5.65	20
1,2-Dichloroethane	0.653	0.597		-8.58	20
Trichloroethene	0.388	0.370		-4.64	20
1,2-Dichloropropane	0.448	0.398		-11.16	20
Bromodichloromethane	0.653	0.611		-6.43	20
4-Methyl-2-Pentanone	0.713	0.673		-5.61	20
Toluene	1.053	0.992		-5.79	20
t-1,3-Dichloropropene	0.676	0.649		-3.99	20
cis-1,3-Dichloropropene	0.702	0.673		-4.13	20
1,1,2-Trichloroethane	0.407	0.387		-4.91	20
2-Hexanone	0.451	0.470		4.21	20
Dibromochloromethane	0.472	0.466		-1.27	20
1,2-Dibromoethane	0.430	0.413		-3.95	20
Tetrachloroethene	0.347	0.312		-10.09	20
Chlorobenzene	1.244	1.170	0.3	-5.95	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: **VN087792.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG No.: Q3078
Instrument ID: MSVOA_N
Calibration Date/Time: 09/11/2025 12:49
Lab File ID: VN087792.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	2.021		-6.18	20
m/p-Xylenes	0.790	0.774		-2.03	20
o-Xylene	0.774	0.741		-4.26	20
Styrene	1.297	1.292		-0.39	20
Bromoform	0.317	0.333	0.1	5.05	20
Isopropylbenzene	4.040	3.650		-9.65	20
1,1,2,2-Tetrachloroethane	1.391	1.248	0.3	-10.28	20
1,3-Dichlorobenzene	1.876	1.764		-5.97	20
1,4-Dichlorobenzene	1.952	1.781		-8.76	20
1,2-Dichlorobenzene	1.780	1.685		-5.34	20
1,2-Dibromo-3-Chloropropane	0.330	0.287		-13.03	20
1,2,4-Trichlorobenzene	1.069	1.017		-4.86	20
1,2,3-Trichlorobenzene	1.045	0.994		-4.88	20
1,2-Dichloroethane-d4	1.024	0.878		-14.26	20
Dibromofluoromethane	0.361	0.346		-4.16	20
Toluene-d8	1.351	1.233		-8.73	20
4-Bromofluorobenzene	0.481	0.461		-4.16	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\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	284150	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	535670	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	504865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	262340	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	249477	42.851	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.700%			
35) Dibromofluoromethane	8.147	113	185412	47.941	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.880%			
50) Toluene-d8	10.547	98	660736	45.645	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.300%			
62) 4-Bromofluorobenzene	12.823	95	247012	47.983	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	181388	44.946	ug/l	97
3) Chloromethane	2.383	50	207559	50.045	ug/l	98
4) Vinyl Chloride	2.536	62	222029	46.171	ug/l	99
5) Bromomethane	2.965	94	132942	53.579	ug/l	97
6) Chloroethane	3.136	64	152292	45.059	ug/l	100
7) Trichlorofluoromethane	3.506	101	321511	45.634	ug/l	100
8) Diethyl Ether	3.959	74	137517	44.818	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	169597	42.542	ug/l	95
10) Methyl Iodide	4.583	142	165967	54.929	ug/l	98
11) Tert butyl alcohol	5.530	59	224500	222.122	ug/l	98
12) 1,1-Dichloroethene	4.336	96	182822	44.626	ug/l	94
13) Acrolein	4.177	56	256486	206.423	ug/l	99
14) Allyl chloride	5.012	41	304037	40.954	ug/l	96
15) Acrylonitrile	5.706	53	620170	217.570	ug/l	100
16) Acetone	4.418	43	753469	237.743	ug/l	98
17) Carbon Disulfide	4.700	76	520462	46.148	ug/l	99
18) Methyl Acetate	5.018	43	281129	42.366	ug/l	97
19) Methyl tert-butyl Ether	5.789	73	692449	45.056	ug/l	97
20) Methylene Chloride	5.265	84	214573	46.727	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	195886	44.119	ug/l	92
22) Diisopropyl ether	6.659	45	707312	44.150	ug/l	97
23) Vinyl Acetate	6.588	43	3325708	228.171	ug/l	99
24) 1,1-Dichloroethane	6.553	63	384760	43.802	ug/l	96
25) 2-Butanone	7.471	43	933175	223.807	ug/l	99
26) 2,2-Dichloropropane	7.471	77	336947	44.693	ug/l	100
27) cis-1,2-Dichloroethene	7.465	96	239941	45.204	ug/l	99
28) Bromochloromethane	7.794	49	168760	39.740	ug/l	92
29) Tetrahydrofuran	7.824	42	578660	215.648	ug/l	98
30) Chloroform	7.947	83	401794	44.814	ug/l	99
31) Cyclohexane	8.235	56	301706	41.201	ug/l	91
32) 1,1,1-Trichloroethane	8.153	97	335590	44.167	ug/l	97
36) 1,1-Dichloropropene	8.353	75	264437	44.569	ug/l	98
37) Ethyl Acetate	7.547	43	368073	45.398	ug/l	100
38) Carbon Tetrachloride	8.341	117	283133	48.332	ug/l	90
39) Methylcyclohexane	9.582	83	293999	45.007	ug/l	97
40) Benzene	8.588	78	858914	47.198	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.759	41	188183	44.808	ug/l		99
42) 1,2-Dichloroethane	8.653	62	319686	45.714	ug/l		100
43) Isopropyl Acetate	8.671	43	583755	46.117	ug/l		99
44) Trichloroethene	9.335	130	198236	47.713	ug/l		92
45) 1,2-Dichloropropane	9.600	63	212934	44.390	ug/l		97
46) Dibromomethane	9.688	93	162883	47.717	ug/l		96
47) Bromodichloromethane	9.865	83	327313	46.787	ug/l		96
48) Methyl methacrylate	9.665	41	274379	45.826	ug/l		97
49) 1,4-Dioxane	9.677	88	83037	1069.995	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	1803495	236.145	ug/l		99
52) Toluene	10.612	92	531341	47.097	ug/l		100
53) t-1,3-Dichloropropene	10.812	75	347852	48.036	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	360480	47.943	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	207496	47.544	ug/l		97
56) Ethyl methacrylate	10.853	69	343185	49.204	ug/l		98
57) 1,3-Dichloropropane	11.141	76	365248	47.288	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	837652	221.889	ug/l		97
59) 2-Hexanone	11.176	43	1258939	260.827	ug/l		99
60) Dibromochloromethane	11.335	129	249655	49.369	ug/l		97
61) 1,2-Dibromoethane	11.447	107	221365	48.103	ug/l		99
64) Tetrachloroethene	11.082	164	157628	45.002	ug/l		94
65) Chlorobenzene	11.871	112	590877	47.043	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.941	131	206634	49.555	ug/l		98
67) Ethyl Benzene	11.941	91	1020084	46.907	ug/l		98
68) m/p-Xylenes	12.047	106	781695	98.010	ug/l		97
69) o-Xylene	12.376	106	374264	47.884	ug/l		99
70) Styrene	12.388	104	652339	49.818	ug/l		99
71) Bromoform	12.559	173	167953	52.519	ug/l		96
73) Isopropylbenzene	12.676	105	957513	45.168	ug/l		99
74) N-amyl acetate	12.500	43	379242m	47.207	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	327385	44.857	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	304527m	49.500	ug/l		
77) Bromobenzene	12.959	156	235651	47.146	ug/l		96
78) n-propylbenzene	13.012	91	1203726	46.099	ug/l		99
79) 2-Chlorotoluene	13.106	91	714049	45.441	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	834809	46.421	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	116867	50.291	ug/l	#	81
82) 4-Chlorotoluene	13.200	91	736849	44.600	ug/l		96
83) tert-Butylbenzene	13.417	119	703804	46.965	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	848197	47.116	ug/l		99
85) sec-Butylbenzene	13.594	105	1025732	46.124	ug/l		99
86) p-Isopropyltoluene	13.706	119	874904	47.643	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	462701	47.008	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	467232	45.613	ug/l		99
89) n-Butylbenzene	14.029	91	846984	46.441	ug/l		100
90) Hexachloroethane	14.312	117	172402	49.278	ug/l		94
91) 1,2-Dichlorobenzene	14.082	146	441941	47.326	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	75274	43.416	ug/l		93
93) 1,2,4-Trichlorobenzene	15.364	180	266753	47.571	ug/l		100
94) Hexachlorobutadiene	15.470	225	100017	50.030	ug/l		99
95) Naphthalene	15.611	128	928256	46.735	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	260894	47.592	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

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

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

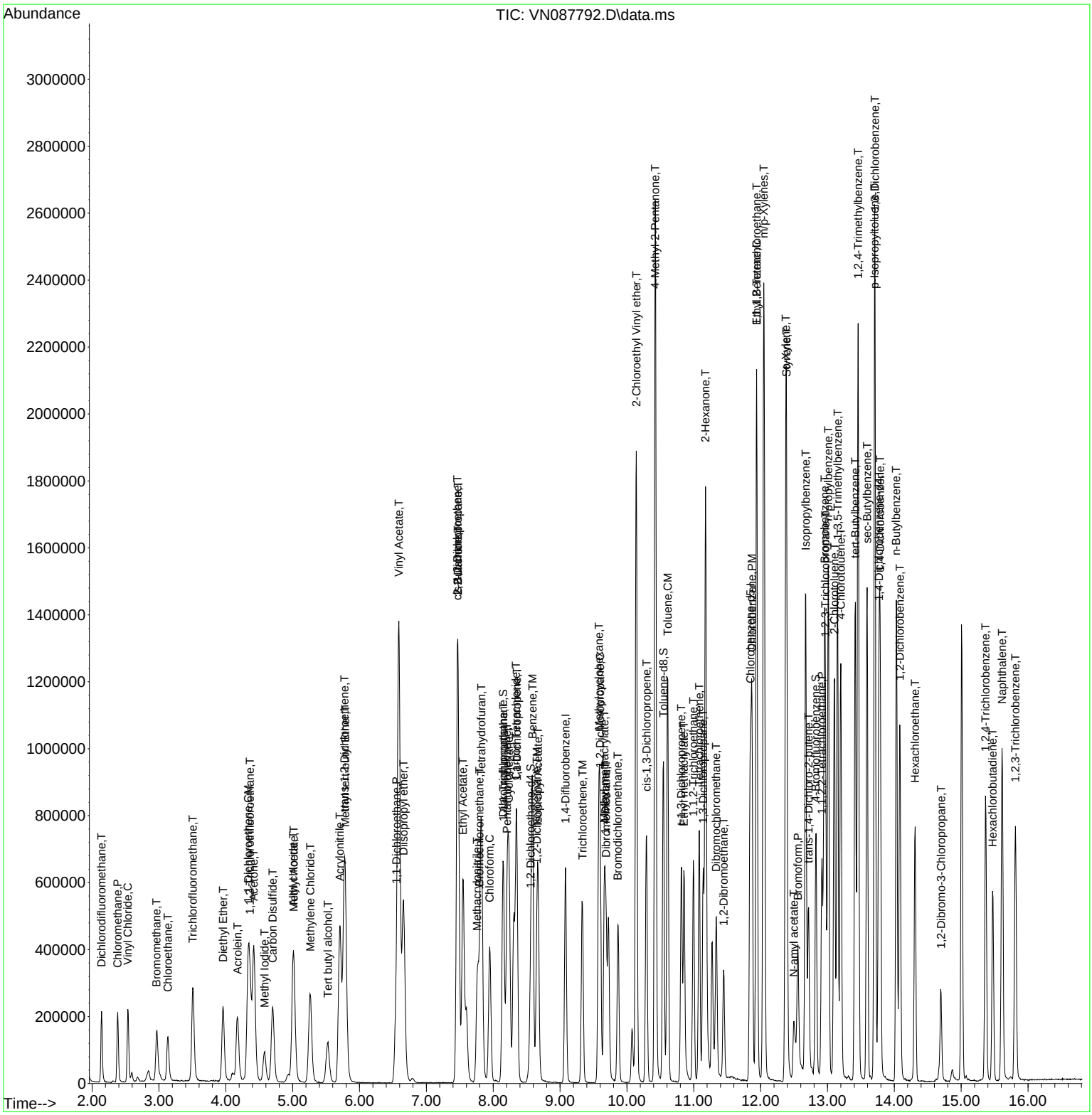
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025



Sample Results: **VN087792.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	121	0.00
2	T	Dichlorodifluoromethane	0.710	0.638	10.1	96	0.00
3	P	Chloromethane	0.730	0.730	0.0	111	0.00
4	C	Vinyl Chloride	0.846	0.781	7.7#	105	0.00
5	T	Bromomethane	0.437	0.468	-7.1	126	0.00
6	T	Chloroethane	0.595	0.536	9.9	108	0.00
7	T	Trichlorofluoromethane	1.240	1.131	8.8	108	0.00
8	T	Diethyl Ether	0.540	0.484	10.4	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.701	0.597	14.8	104	0.00
10	T	Methyl Iodide	0.450	0.584	-29.8#	147	0.00
11	T	Tert butyl alcohol	0.178	0.158	11.2	104	0.01
12	CM	1,1-Dichloroethene	0.721	0.643	10.8#	111	0.00
13	T	Acrolein	0.219	0.181	17.4	102	0.00
14	T	Allyl chloride	1.306	1.070	18.1	105	0.00
15	T	Acrylonitrile	0.502	0.437	12.9	106	0.00
16	T	Acetone	0.558	0.530	5.0	123	0.00
17	T	Carbon Disulfide	1.985	1.832	7.7	111	0.00
18	T	Methyl Acetate	1.168	0.989	15.3	104	0.00
19	T	Methyl tert-butyl Ether	2.704	2.437	9.9	108	0.00
20	T	Methylene Chloride	0.948	0.755	20.4	111	0.00
21	T	trans-1,2-Dichloroethene	0.781	0.689	11.8	111	0.00
22	T	Diisopropyl ether	2.819	2.489	11.7	105	0.00
23	T	Vinyl Acetate	2.565	2.341	8.7	105	0.00
24	P	1,1-Dichloroethane	1.546	1.354	12.4	109	0.00
25	T	2-Butanone	0.734	0.657	10.5	109	0.00
26	T	2,2-Dichloropropane	1.327	1.186	10.6	109	0.00
27	T	cis-1,2-Dichloroethene	0.934	0.844	9.6	109	0.00
28	T	Bromochloromethane	0.747	0.594	20.5	103	0.00
29	T	Tetrahydrofuran	0.472	0.407	13.8	104	0.00
30	C	Chloroform	1.578	1.414	10.4#	109	0.00
31	T	Cyclohexane	1.289	1.062	17.6	104	0.00
32	T	1,1,1-Trichloroethane	1.337	1.181	11.7	110	0.00
33	S	1,2-Dichloroethane-d4	1.024	0.878	14.3	111	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	114	0.00
35	S	Dibromofluoromethane	0.361	0.346	4.2	119	0.00
36	T	1,1-Dichloropropene	0.554	0.494	10.8	107	0.00
37	T	Ethyl Acetate	0.757	0.687	9.2	106	0.00
38	T	Carbon Tetrachloride	0.547	0.529	3.3	112	0.00
39	T	Methylcyclohexane	0.610	0.549	10.0	107	0.00
40	TM	Benzene	1.699	1.603	5.7	109	0.00
41	T	Methacrylonitrile	0.392	0.351	10.5	103	0.00
42	TM	1,2-Dichloroethane	0.653	0.597	8.6	105	0.00
43	T	Isopropyl Acetate	1.182	1.090	7.8	104	0.00
44	TM	Trichloroethene	0.388	0.370	4.6	112	0.00
45	C	1,2-Dichloropropane	0.448	0.398	11.2#	105	0.00
46	T	Dibromomethane	0.319	0.304	4.7	109	0.00
47	T	Bromodichloromethane	0.653	0.611	6.4	110	0.00
48	T	Methyl methacrylate	0.559	0.512	8.4	105	0.00

Sample Results: **VN087792.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.007	0.008	-14.3	114	0.00
50	S	Toluene-d8	1.351	1.233	8.7	115	0.00
51	T	4-Methyl-2-Pentanone	0.713	0.673	5.6	105	0.00
52	CM	Toluene	1.053	0.992	5.8#	108	0.00
53	T	t-1,3-Dichloropropene	0.676	0.649	4.0	106	0.00
54	T	cis-1,3-Dichloropropene	0.702	0.673	4.1	107	0.00
55	T	1,1,2-Trichloroethane	0.407	0.387	4.9	109	0.00
56	T	Ethyl methacrylate	0.651	0.641	1.5	104	0.00
57	T	1,3-Dichloropropane	0.721	0.682	5.4	107	0.00
58	T	2-Chloroethyl Vinyl ether	0.352	0.313	11.1	101	0.00
59	T	2-Hexanone	0.451	0.470	-4.2	105	0.00
60	T	Dibromochloromethane	0.472	0.466	1.3	114	0.00
61	T	1,2-Dibromoethane	0.430	0.413	4.0	109	0.00
62	S	4-Bromofluorobenzene	0.481	0.461	4.2	117	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	115	0.00
64	T	Tetrachloroethene	0.347	0.312	10.1	115	0.00
65	PM	Chlorobenzene	1.244	1.170	5.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	0.413	0.409	1.0	112	0.00
67	C	Ethyl Benzene	2.154	2.021	6.2#	109	0.00
68	T	m/p-Xylenes	0.790	0.774	2.0	110	0.00
69	T	o-Xylene	0.774	0.741	4.3	107	0.00
70	T	Styrene	1.297	1.292	0.4	108	0.00
71	P	Bromoform	0.317	0.333	-5.0	120	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	119	0.00
73	T	Isopropylbenzene	4.040	3.650	9.7	108	0.00
74	T	N-amyl acetate	1.531	1.446	5.6	110	0.00
75	P	1,1,2,2-Tetrachloroethane	1.391	1.248	10.3	109	0.00
76	T	1,2,3-Trichloropropane	1.173	1.161	1.0	129	0.00
77	T	Bromobenzene	0.953	0.898	5.8	113	0.00
78	T	n-propylbenzene	4.977	4.588	7.8	108	0.00
79	T	2-Chlorotoluene	2.995	2.722	9.1	109	0.00
80	T	1,3,5-Trimethylbenzene	3.428	3.182	7.2	109	0.00
81	T	trans-1,4-Dichloro-2-butene	0.443	0.445	-0.5	117	0.00
82	T	4-Chlorotoluene	3.149	2.809	10.8	106	0.00
83	T	tert-Butylbenzene	2.856	2.683	6.1	109	0.00
84	T	1,2,4-Trimethylbenzene	3.431	3.233	5.8	110	0.00
85	T	sec-Butylbenzene	4.239	3.910	7.8	110	0.00
86	T	p-Isopropyltoluene	3.500	3.335	4.7	112	0.00
87	T	1,3-Dichlorobenzene	1.876	1.764	6.0	115	0.00
88	T	1,4-Dichlorobenzene	1.952	1.781	8.8	113	0.00
89	T	n-Butylbenzene	3.476	3.229	7.1	111	0.00
90	T	Hexachloroethane	0.667	0.657	1.5	119	0.00
91	T	1,2-Dichlorobenzene	1.780	1.685	5.3	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.330	0.287	13.0	107	0.00
93	T	1,2,4-Trichlorobenzene	1.069	1.017	4.9	118	0.00
94	T	Hexachlorobutadiene	0.381	0.381	0.0	128	0.00
95	T	Naphthalene	3.786	3.538	6.6	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	1.045	0.994	4.9	117	0.00

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

Sample Results: **VN087792.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	121	0.00
2	T	Dichlorodifluoromethane	50.000	44.946	10.1	96	0.00
3	P	Chloromethane	50.000	50.045	-0.1	111	0.00
4	C	Vinyl Chloride	50.000	46.171	7.7#	105	0.00
5	T	Bromomethane	50.000	53.579	-7.2	126	0.00
6	T	Chloroethane	50.000	45.059	9.9	108	0.00
7	T	Trichlorofluoromethane	50.000	45.634	8.7	108	0.00
8	T	Diethyl Ether	50.000	44.818	10.4	111	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	42.542	14.9	104	0.00
10	T	Methyl Iodide	50.000	54.929	-9.9	147	0.00
11	T	Tert butyl alcohol	250.000	222.122	11.2	104	0.01
12	CM	1,1-Dichloroethene	50.000	44.626	10.7#	111	0.00
13	T	Acrolein	250.000	206.423	17.4	102	0.00
14	T	Allyl chloride	50.000	40.954	18.1	105	0.00
15	T	Acrylonitrile	250.000	217.570	13.0	106	0.00
16	T	Acetone	250.000	237.743	4.9	123	0.00
17	T	Carbon Disulfide	50.000	46.148	7.7	111	0.00
18	T	Methyl Acetate	50.000	42.366	15.3	104	0.00
19	T	Methyl tert-butyl Ether	50.000	45.056	9.9	108	0.00
20	T	Methylene Chloride	50.000	46.727	6.5	111	0.00
21	T	trans-1,2-Dichloroethene	50.000	44.119	11.8	111	0.00
22	T	Diisopropyl ether	50.000	44.150	11.7	105	0.00
23	T	Vinyl Acetate	250.000	228.171	8.7	105	0.00
24	P	1,1-Dichloroethane	50.000	43.802	12.4	109	0.00
25	T	2-Butanone	250.000	223.807	10.5	109	0.00
26	T	2,2-Dichloropropane	50.000	44.693	10.6	109	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.204	9.6	109	0.00
28	T	Bromochloromethane	50.000	39.740	20.5	103	0.00
29	T	Tetrahydrofuran	250.000	215.648	13.7	104	0.00
30	C	Chloroform	50.000	44.814	10.4#	109	0.00
31	T	Cyclohexane	50.000	41.201	17.6	104	0.00
32	T	1,1,1-Trichloroethane	50.000	44.167	11.7	110	0.00
33	S	1,2-Dichloroethane-d4	50.000	42.851	14.3	111	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	114	0.00
35	S	Dibromofluoromethane	50.000	47.941	4.1	119	0.00
36	T	1,1-Dichloropropene	50.000	44.569	10.9	107	0.00
37	T	Ethyl Acetate	50.000	45.398	9.2	106	0.00
38	T	Carbon Tetrachloride	50.000	48.332	3.3	112	0.00
39	T	Methylcyclohexane	50.000	45.007	10.0	107	0.00
40	TM	Benzene	50.000	47.198	5.6	109	0.00
41	T	Methacrylonitrile	50.000	44.808	10.4	103	0.00
42	TM	1,2-Dichloroethane	50.000	45.714	8.6	105	0.00
43	T	Isopropyl Acetate	50.000	46.117	7.8	104	0.00
44	TM	Trichloroethene	50.000	47.713	4.6	112	0.00
45	C	1,2-Dichloropropane	50.000	44.390	11.2#	105	0.00
46	T	Dibromomethane	50.000	47.717	4.6	109	0.00
47	T	Bromodichloromethane	50.000	46.787	6.4	110	0.00
48	T	Methyl methacrylate	50.000	45.826	8.3	105	0.00

Sample Results: **VN087792.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 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	1069.995	-7.0	114	0.00
50	S	Toluene-d8	50.000	45.645	8.7	115	0.00
51	T	4-Methyl-2-Pentanone	250.000	236.145	5.5	105	0.00
52	CM	Toluene	50.000	47.097	5.8#	108	0.00
53	T	t-1,3-Dichloropropene	50.000	48.036	3.9	106	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.943	4.1	107	0.00
55	T	1,1,2-Trichloroethane	50.000	47.544	4.9	109	0.00
56	T	Ethyl methacrylate	50.000	49.204	1.6	104	0.00
57	T	1,3-Dichloropropane	50.000	47.288	5.4	107	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	221.889	11.2	101	0.00
59	T	2-Hexanone	250.000	260.827	-4.3	105	0.00
60	T	Dibromochloromethane	50.000	49.369	1.3	114	0.00
61	T	1,2-Dibromoethane	50.000	48.103	3.8	109	0.00
62	S	4-Bromofluorobenzene	50.000	47.983	4.0	117	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	115	0.00
64	T	Tetrachloroethene	50.000	45.002	10.0	115	0.00
65	PM	Chlorobenzene	50.000	47.043	5.9	111	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.555	0.9	112	0.00
67	C	Ethyl Benzene	50.000	46.907	6.2#	109	0.00
68	T	m/p-Xylenes	100.000	98.010	2.0	110	0.00
69	T	o-Xylene	50.000	47.884	4.2	107	0.00
70	T	Styrene	50.000	49.818	0.4	108	0.00
71	P	Bromoform	50.000	52.519	-5.0	120	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	119	0.00
73	T	Isopropylbenzene	50.000	45.168	9.7	108	0.00
74	T	N-amyl acetate	50.000	47.207	5.6	110	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.857	10.3	109	0.00
76	T	1,2,3-Trichloropropane	50.000	49.500	1.0	129	0.00
77	T	Bromobenzene	50.000	47.146	5.7	113	0.00
78	T	n-propylbenzene	50.000	46.099	7.8	108	0.00
79	T	2-Chlorotoluene	50.000	45.441	9.1	109	0.00
80	T	1,3,5-Trimethylbenzene	50.000	46.421	7.2	109	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	50.291	-0.6	117	0.00
82	T	4-Chlorotoluene	50.000	44.600	10.8	106	0.00
83	T	tert-Butylbenzene	50.000	46.965	6.1	109	0.00
84	T	1,2,4-Trimethylbenzene	50.000	47.116	5.8	110	0.00
85	T	sec-Butylbenzene	50.000	46.124	7.8	110	0.00
86	T	p-Isopropyltoluene	50.000	47.643	4.7	112	0.00
87	T	1,3-Dichlorobenzene	50.000	47.008	6.0	115	0.00
88	T	1,4-Dichlorobenzene	50.000	45.613	8.8	113	0.00
89	T	n-Butylbenzene	50.000	46.441	7.1	111	0.00
90	T	Hexachloroethane	50.000	49.278	1.4	119	0.00
91	T	1,2-Dichlorobenzene	50.000	47.326	5.3	114	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	43.416	13.2	107	0.00
93	T	1,2,4-Trichlorobenzene	50.000	47.571	4.9	118	0.00
94	T	Hexachlorobutadiene	50.000	50.030	-0.1	128	0.00
95	T	Naphthalene	50.000	46.735	6.5	112	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087792.D
Acq On : 11 Sep 2025 12:49
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Sep 12 02:49:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	47.592	4.8	117	0.00

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

QC SAMPLE DATA

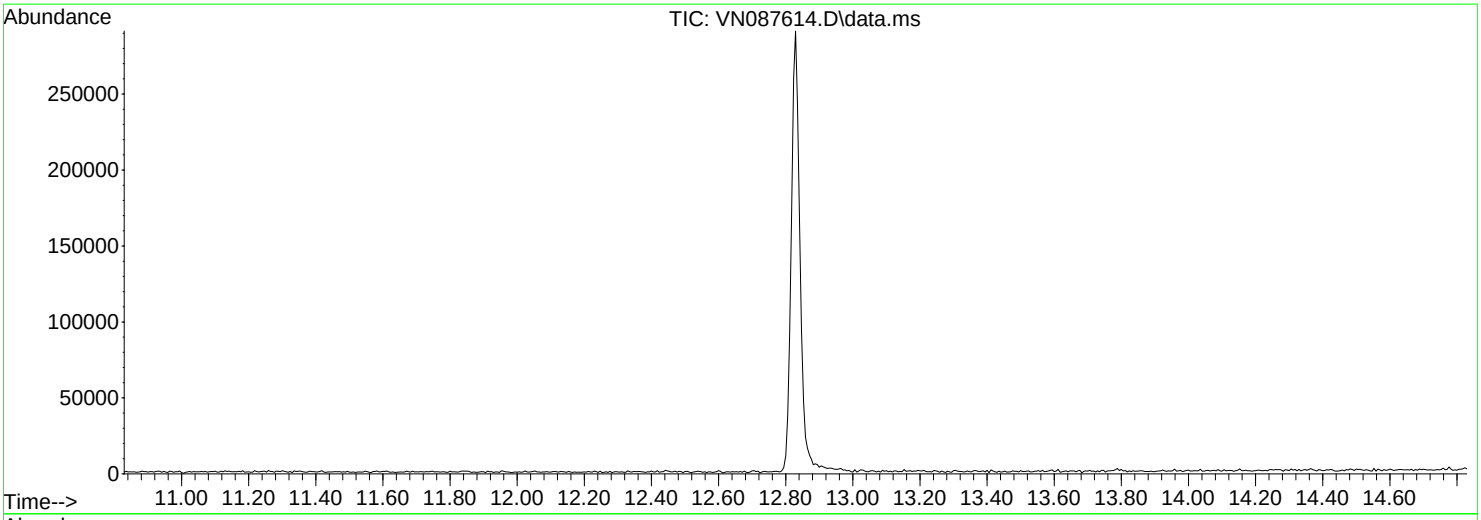
Sample Results: **VN087614.D**

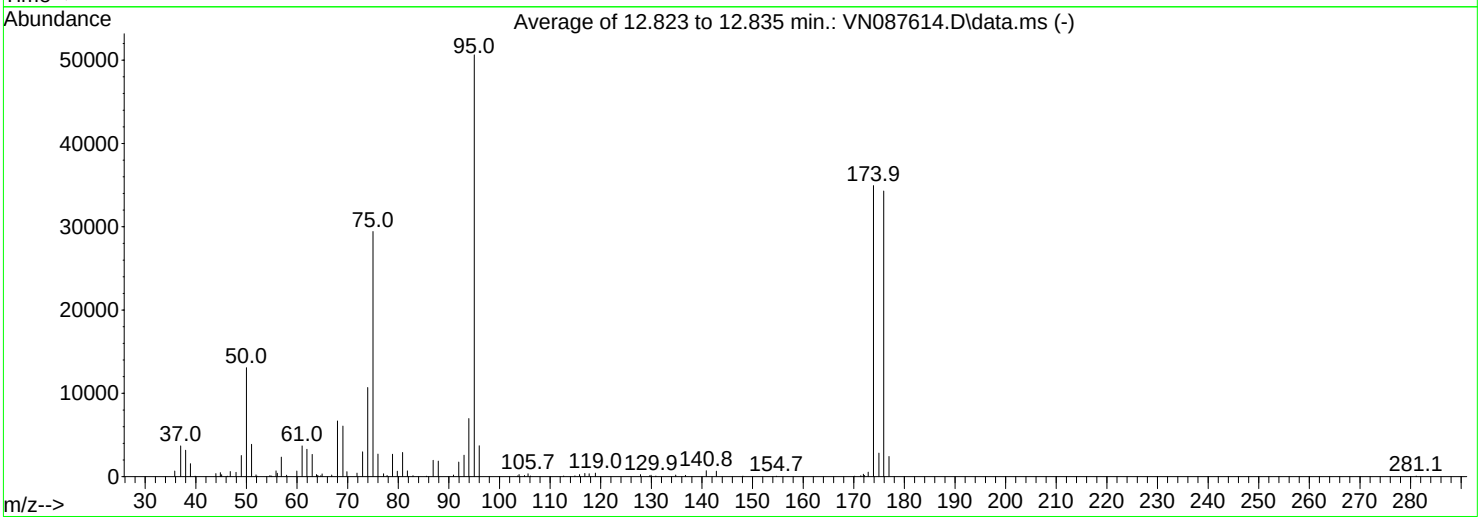
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082125\
Data File : VN087614.D
Acq On : 21 Aug 2025 09:30
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	25.8	13089	PASS
75	95	30	60	58.1	29435	PASS
95	95	100	100	100.0	50640	PASS
96	95	5	9	7.3	3712	PASS
173	174	0.00	2	1.6	548	PASS
174	95	50	100	69.0	34952	PASS
175	174	5	9	8.1	2829	PASS
176	174	95	101	98.1	34291	PASS
177	176	5	9	7.1	2426	PASS

Average of 12.823 to 12.835 min.: VN087614.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.85	675	49.00	2529	59.95	672	69.85	59
37.00	3688	50.00	13089	61.00	3695	71.85	41
38.00	3178	51.00	3882	61.95	3294	72.95	297
38.95	1555	51.90	219	63.00	2681	73.95	1069
39.85	60	52.10	64	63.85	251	75.00	29435
43.95	374	54.65	128	64.10	153	76.00	2714
44.85	476	55.00	70	64.70	121	77.10	352
45.10	237	55.85	685	64.95	324	77.80	133
46.20	55	56.10	397	66.85	193	78.85	2691
46.80	616	56.90	2340	68.00	6681	79.80	662
47.95	526	57.95	176	69.05	6065	80.85	2901

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087614.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.80	684	103.60	98	127.85	257	171.40	114
82.90	109	103.85	252	129.70	113	171.90	297
85.60	55	104.95	136	129.95	176	172.10	131
86.90	1959	105.65	343	130.90	79	172.85	548
87.90	1858	106.10	71	134.80	197	173.90	34952
90.90	194	112.70	85	136.75	152	174.95	2829
91.95	1755	114.90	88	140.85	705	175.90	34291
93.00	2573	115.80	249	142.85	649	176.95	2426
93.95	6967	116.85	391	148.10	51	281.10	79
95.00	50640	117.70	342	154.70	64		
96.00	3712	118.95	421	170.20	52		

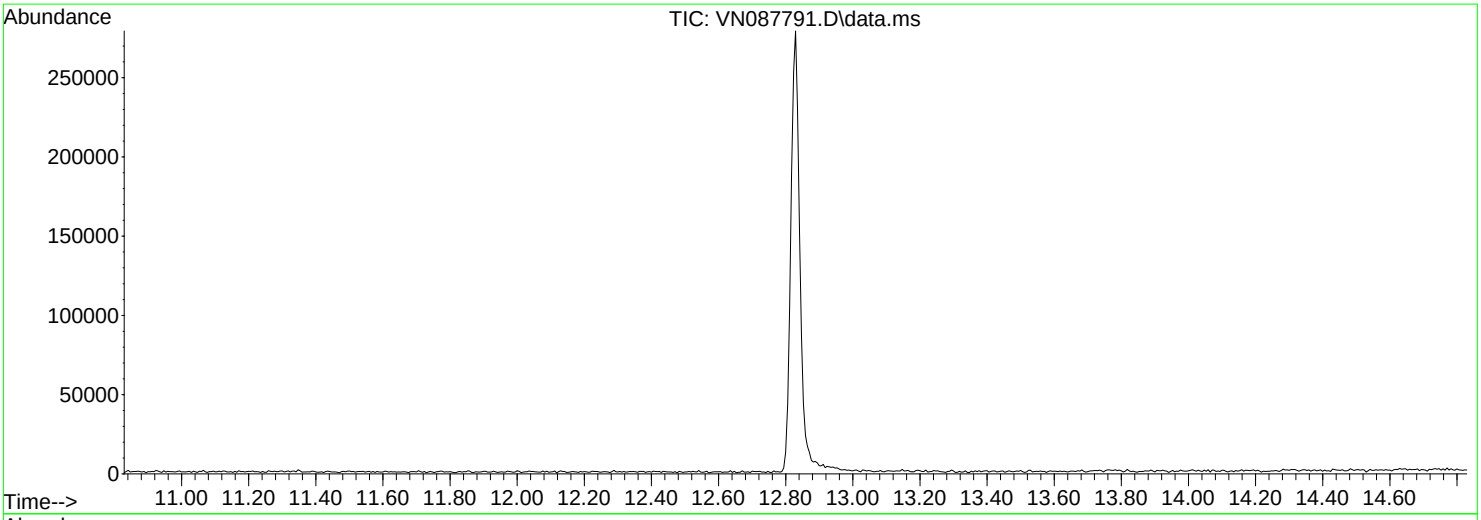
Sample Results: **VN087791.D**

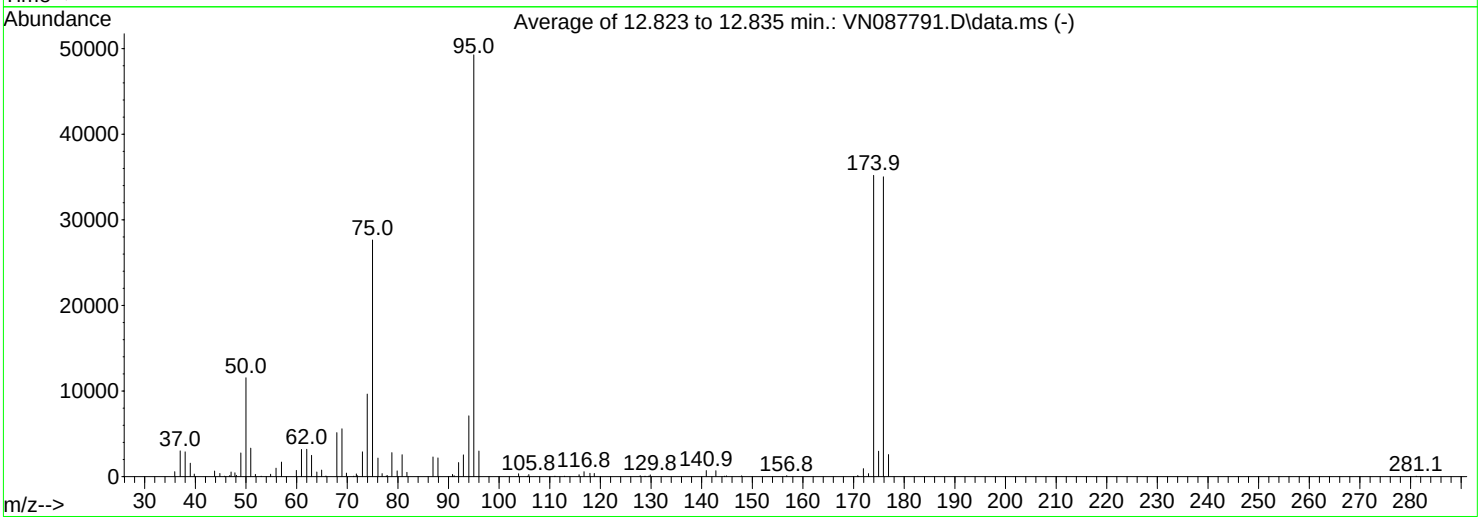
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087791.D
Acq On : 11 Sep 2025 09:53
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260
Last Update : Fri Aug 22 02:55:42 2025





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

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.4	11550	PASS
75	95	30	60	56.1	27645	PASS
95	95	100	100	100.0	49280	PASS
96	95	5	9	6.1	2984	PASS
173	174	0.00	2	1.0	352	PASS
174	95	50	100	71.4	35203	PASS
175	174	5	9	8.4	2970	PASS
176	174	95	101	99.5	35032	PASS
177	176	5	9	7.4	2589	PASS

Average of 12.823 to 12.835 min.: VN087791.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	587	48.10	150	62.00	3203	73.00	289
37.00	3017	49.00	2770	62.95	2489	73.95	964
38.00	2907	50.00	11550	64.00	551	75.00	2764
39.00	1570	50.95	3320	64.95	772	76.05	217
39.80	307	51.85	264	65.80	79	76.90	357
43.80	661	53.00	65	67.95	5134	77.70	74
44.85	382	54.85	287	68.95	5590	77.90	129
45.80	61	55.95	997	69.85	408	78.80	2806
46.80	137	57.00	1694	71.30	60	79.85	681
47.05	543	59.95	722	71.80	323	80.85	2565
47.80	449	60.95	3173	72.00	117	81.80	498

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.823 to 12.835 min.: VN087791.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
86.95	2296	105.85	247	140.90	705	174.95	2970
87.90	2183	111.00	53	142.80	695	175.90	35032
90.80	267	112.90	60	144.50	59	176.90	2589
91.10	107	115.80	229	144.90	88	281.10	51
92.00	1650	116.75	587	147.90	91		
92.95	2543	117.95	384	156.80	120		
94.00	7098	118.80	376	170.80	113		
95.00	49280	127.85	122	171.00	52		
96.00	2984	128.80	56	171.95	940		
103.85	347	129.60	85	172.95	352		
105.60	53	129.85	215	173.95	35203		

Raw Data: **VN087794.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:	VN0911WBL01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBL01	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:	Date Analyzed	Prep Batch ID
VN087794.D	1	09/11/25 13:45	VN091125

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: **VN087794.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:	VN0911WBL01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBL01	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:	Date Analyzed	Prep Batch ID
VN087794.D	1	09/11/25 13:45	VN091125

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	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	51.9		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	47.4		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.7		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	217000	8.206			
540-36-3	1,4-Difluorobenzene	506000	9.082			
3114-55-4	Chlorobenzene-d5	479000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	225000	13.77			

Raw Data: **VN087794.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:	VN0911WBL01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBL01	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:	Date Analyzed	Prep Batch ID
VN087794.D	1	09/11/25 13:45	VN091125

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\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Quant Time: Sep 12 02:51:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	217125	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	505649	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	478608	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	224924	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	244785	55.025	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.040%			
35) Dibromofluoromethane	8.147	113	189613	51.938	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.880%			
50) Toluene-d8	10.547	98	648133	47.433	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.860%			
62) 4-Bromofluorobenzene	12.829	95	222270	45.740	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.480%			

Target Compounds Qvalue

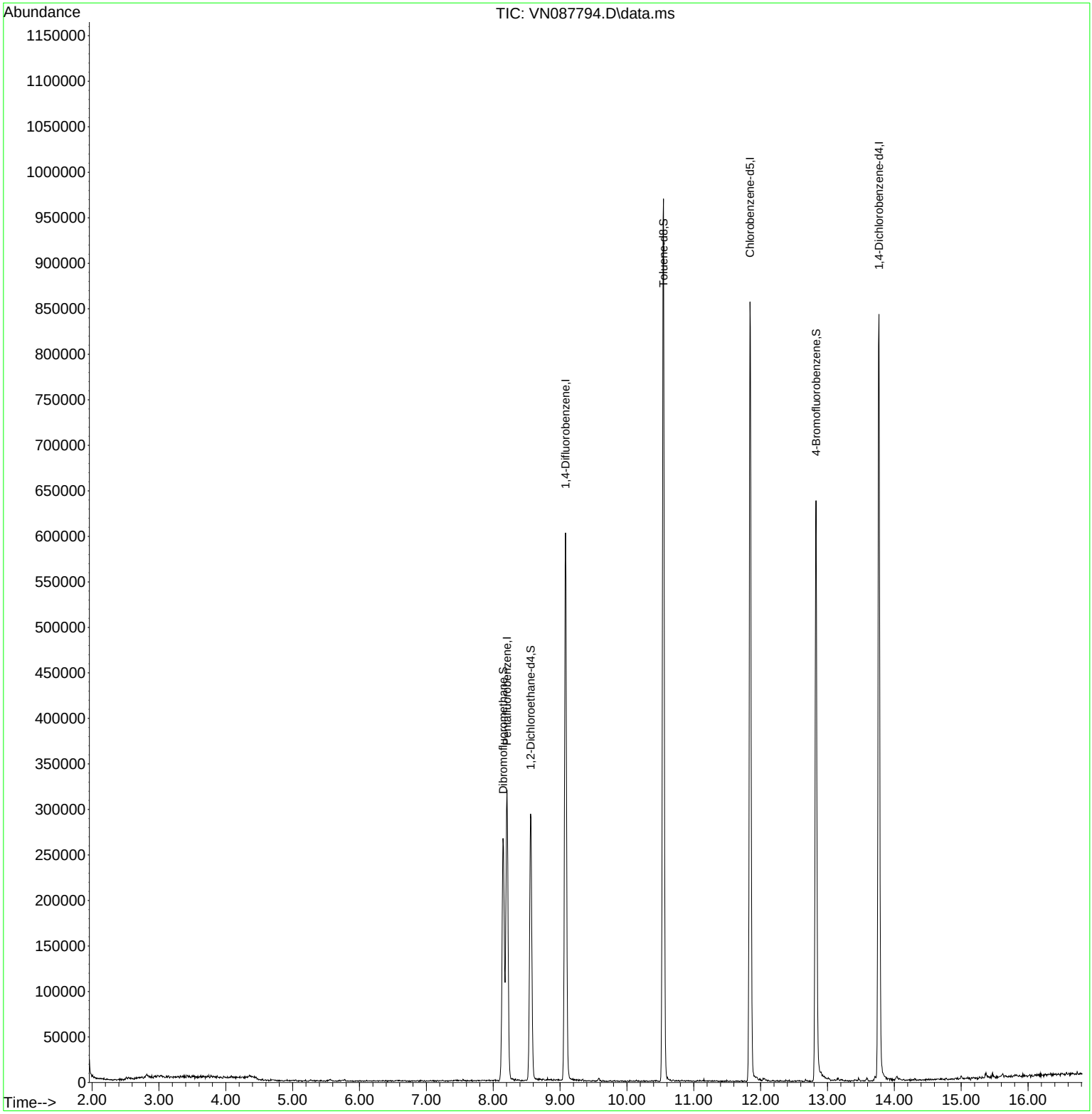
(#) = qualifier out of range (m) = manual integration (+) = signals summed

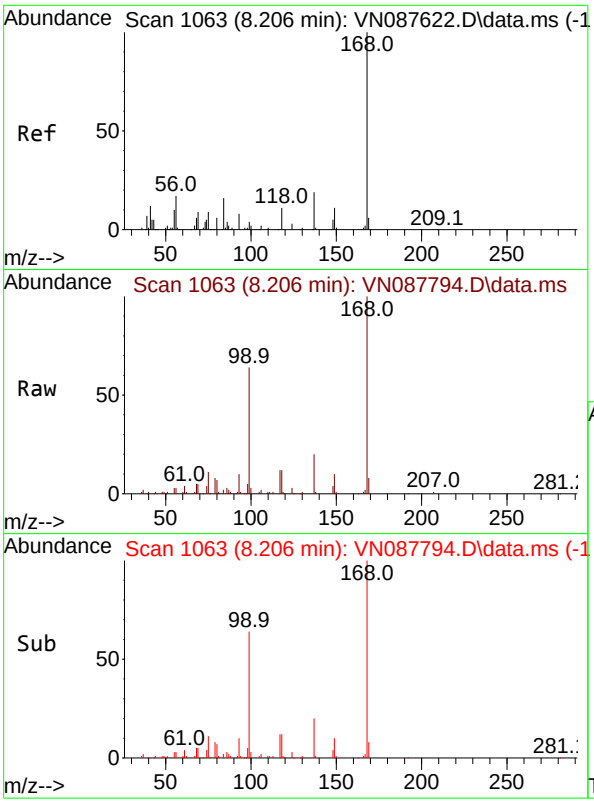
Sample Results: **VN087794.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Quant Time: Sep 12 02:51:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



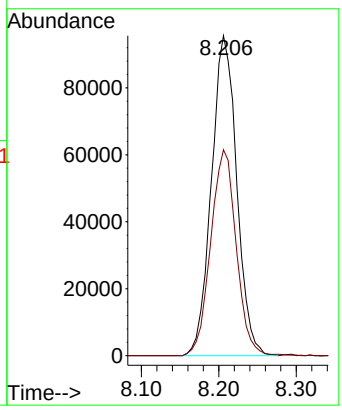


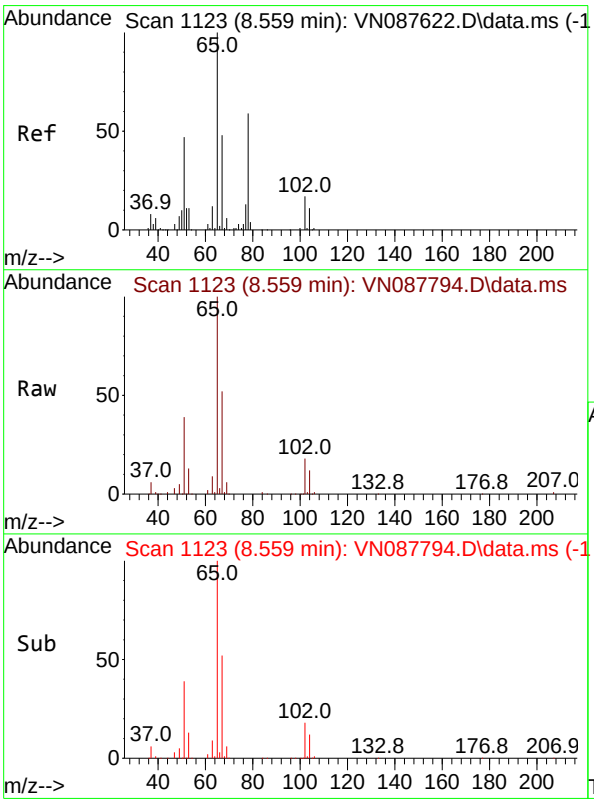
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion:168 Resp: 217125

Ion	Ratio	Lower	Upper
168	100		
99	64.3	57.2	85.8

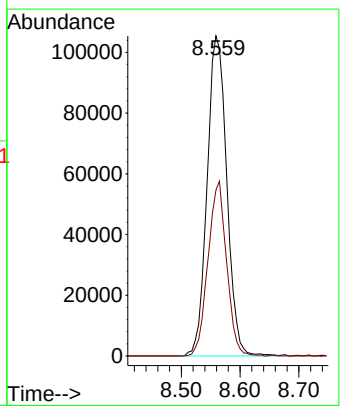


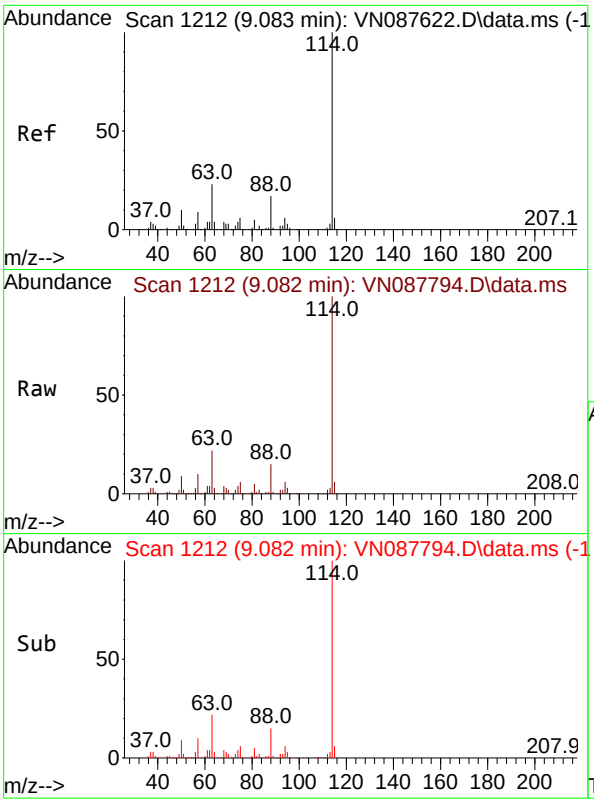


#33
1,2-Dichloroethane-d4
Concen: 55.025 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 65 Resp: 244785

Ion	Ratio	Lower	Upper
65	100		
67	51.6	0.0	100.0



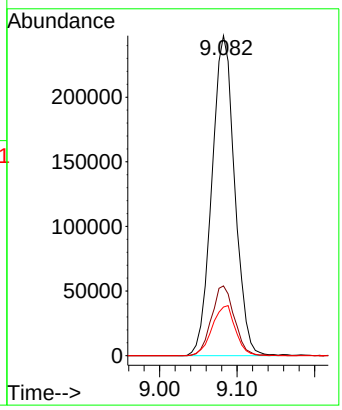


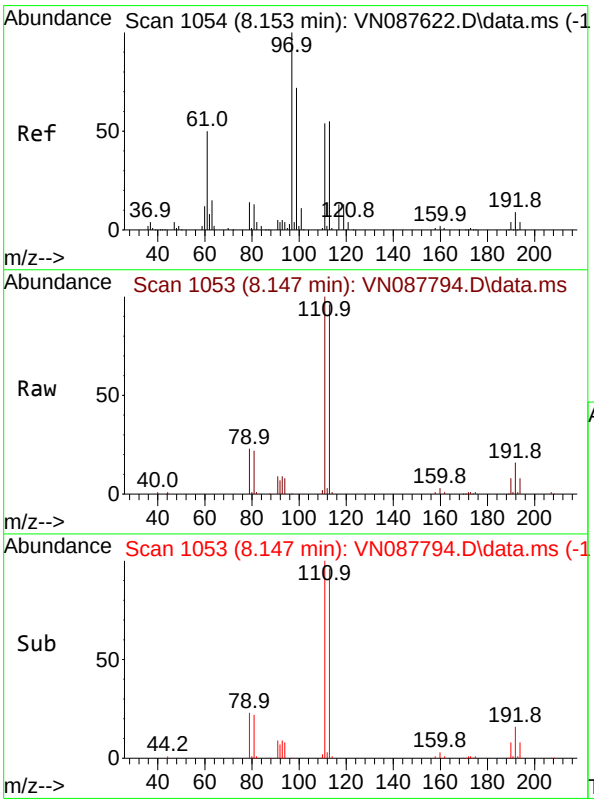
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion:114 Resp: 505649

Ion	Ratio	Lower	Upper
114	100		
63	21.8	0.0	45.2
88	15.2	0.0	33.4

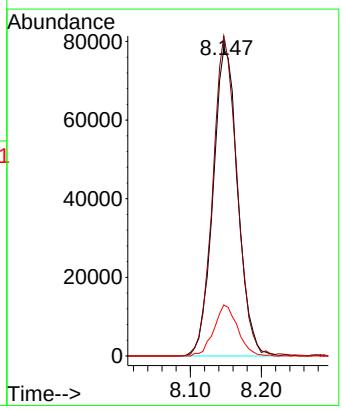


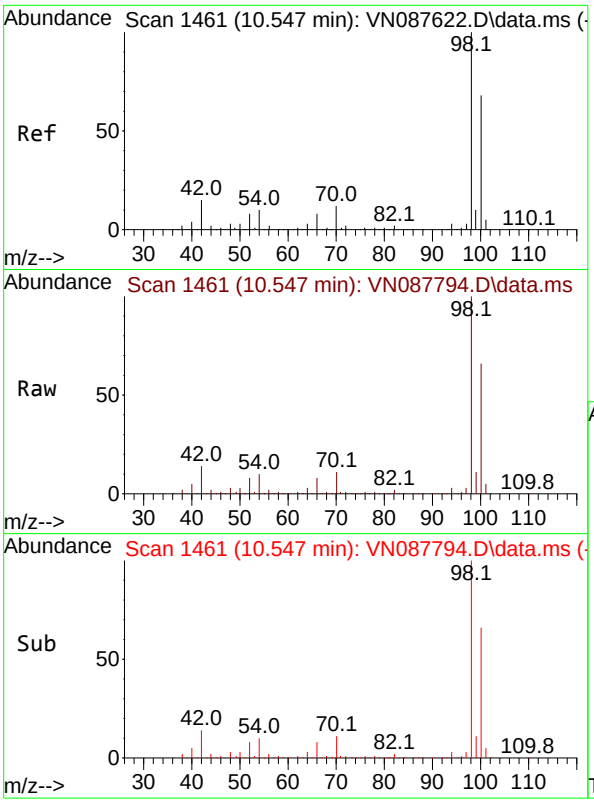


#35
Dibromofluoromethane
Concen: 51.938 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:113 Resp: 189613

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.8	124.2
192	15.9	12.8	19.2



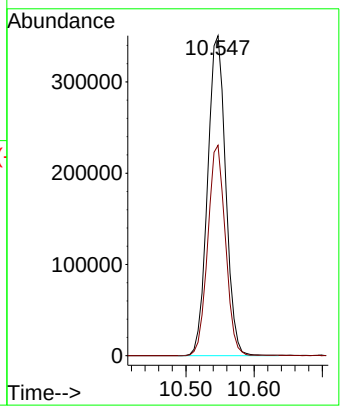


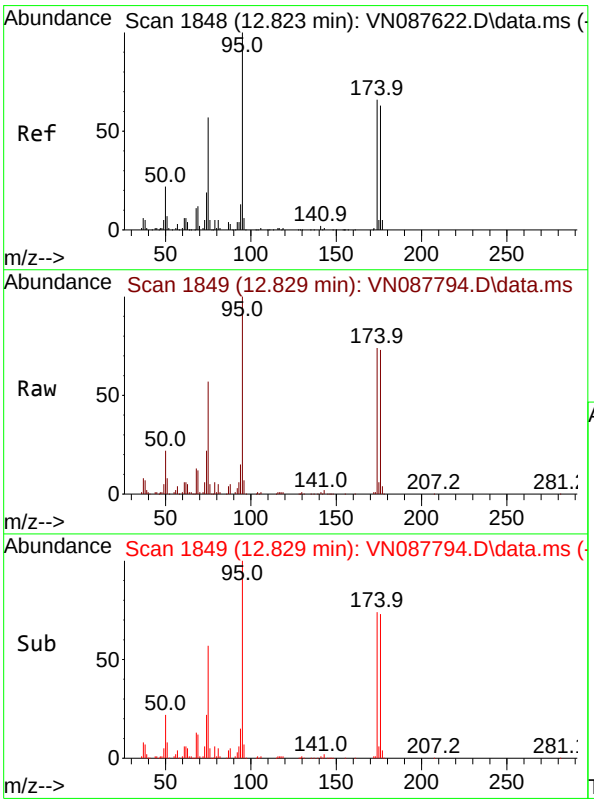
#50
Toluene-d8
Concen: 47.433 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion: 98 Resp: 648133

Ion	Ratio	Lower	Upper
98	100		
100	64.1	52.8	79.2

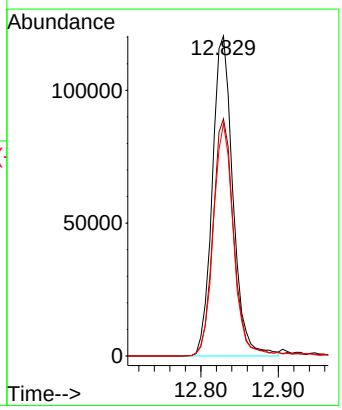


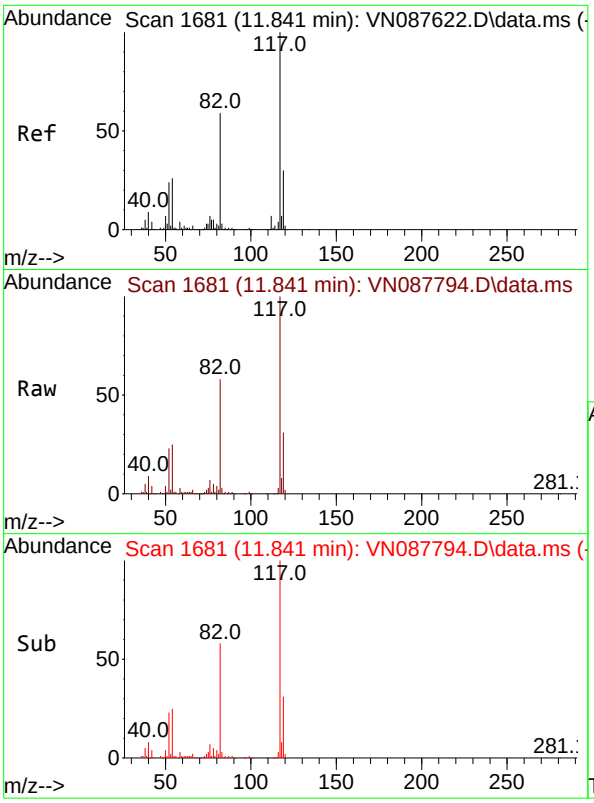


#62
4-Bromofluorobenzene
Concen: 45.740 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion: 95 Resp: 222270

Ion	Ratio	Lower	Upper
95	100		
174	75.3	0.0	138.4
176	71.4	0.0	132.6



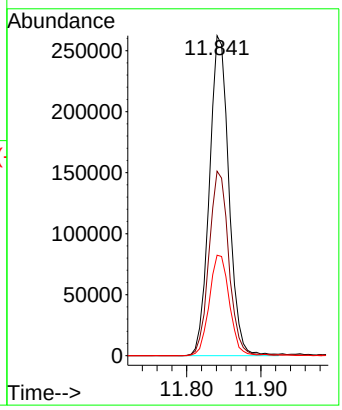


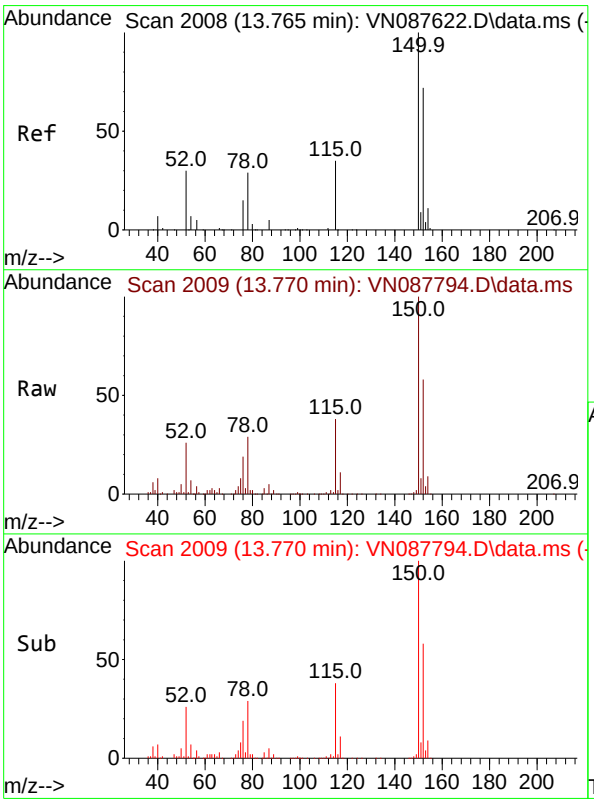
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Tgt Ion:117 Resp: 478608

Ion	Ratio	Lower	Upper
117	100		
82	57.7	47.4	71.2
119	31.4	24.3	36.5

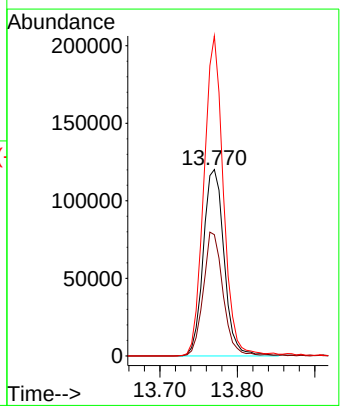




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087794.D
Acq: 11 Sep 2025 13:45

Tgt Ion:152 Resp: 224924

Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.3	96.8
150	160.3	0.0	351.0



Sample Results: **VN087794.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

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\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087794.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1042	1053	1058	rBV2	266852	644778	36.12%	6.913%
2	8.206	1058	1063	1075	rVB	318350	716144	40.12%	7.678%
3	8.559	1113	1123	1135	rBV2	292970	680848	38.15%	7.299%
4	9.082	1204	1212	1224	rBV2	600881	1253090	70.21%	13.434%
5	10.547	1452	1461	1470	rBV	969446	1784860	100.00%	19.135%
6	11.841	1672	1681	1695	rBV	856798	1588578	89.00%	17.031%
7	12.829	1840	1849	1860	rBV	638094	1159958	64.99%	12.436%
8	13.770	2001	2009	2024	rBV	838977	1499236	84.00%	16.073%

Sum of corrected areas: 9327492

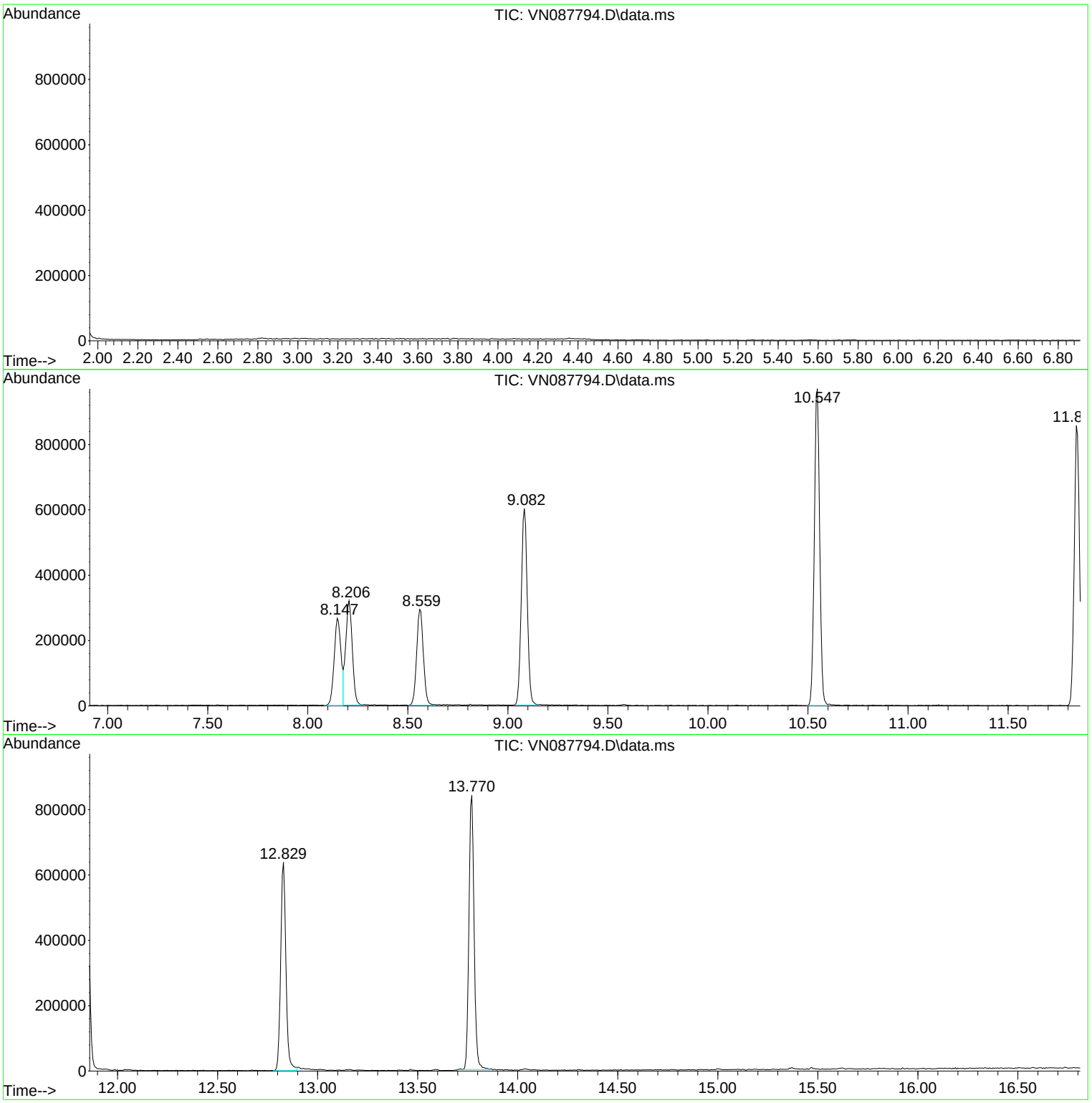
Sample Results: **VN087794.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Library Search Compound Report

Sample Results: **VN087794.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.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\VN091125\
Data File : VN087794.D
Acq On : 11 Sep 2025 13:45
Operator : JC\MD
Sample : VN0911WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

Raw Data: **VN087795.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:	VN0911WBS01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBS01	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:	Date Analyzed	Prep Batch ID
VN087795.D	1	09/11/25 14:21	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.9		0.22	1.00	ug/L
74-87-3	Chloromethane	24.5		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	22.2		0.26	1.00	ug/L
74-83-9	Bromomethane	25.9		1.40	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	22.4		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	21.4		0.23	1.00	ug/L
67-64-1	Acetone	96.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	22.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	22.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	21.5		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.9		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.2		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	22.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.6		0.22	1.00	ug/L
67-66-3	Chloroform	21.6		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.3		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	21.1		0.16	1.00	ug/L
71-43-2	Benzene	22.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	21.9		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	21.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	22.4		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	21.4		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:	VN0911WBS01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBS01	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:	Date Analyzed	Prep Batch ID
VN087795.D	1	09/11/25 14:21	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	22.2		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	22.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	22.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	22.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	22.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	21.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	45.0		0.24	2.00	ug/L
95-47-6	o-Xylene	21.8		0.12	1.00	ug/L
100-42-5	Styrene	22.8		0.15	1.00	ug/L
75-25-2	Bromoform	24.3		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	22.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.9		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	21.9		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.9		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	21.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		74 - 125	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.8		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	265000	8.206			
540-36-3	1,4-Difluorobenzene	504000	9.083			
3114-55-4	Chlorobenzene-d5	466000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	244000	13.771			

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:	VN0911WBS01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBS01	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:	Date Analyzed	Prep Batch ID
VN087795.D	1	09/11/25 14:21	VN091125

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\VN091125\
Data File : VN087795.D
Acq On : 11 Sep 2025 14:21
Operator : JC\MD
Sample : VN0911WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:51:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	264571	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	504460	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	466377	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	243902	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	246091	45.398	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.800%			
35) Dibromofluoromethane	8.147	113	179797	49.365	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.740%			
50) Toluene-d8	10.547	98	651885	47.820	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.640%			
62) 4-Bromofluorobenzene	12.829	95	234780	48.428	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	82376	21.922	ug/l	98
3) Chloromethane	2.383	50	94750	24.536	ug/l	100
4) Vinyl Chloride	2.542	62	99586	22.242	ug/l	94
5) Bromomethane	2.983	94	59837	25.900	ug/l	90
6) Chloroethane	3.142	64	66369	21.090	ug/l	89
7) Trichlorofluoromethane	3.512	101	147075	22.420	ug/l	97
8) Diethyl Ether	3.959	74	58928	20.627	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	80009	21.555	ug/l	95
10) Methyl Iodide	4.577	142	59620	25.375	ug/l	94
11) Tert butyl alcohol	5.524	59	107196	113.909	ug/l	97
12) 1,1-Dichloroethene	4.336	96	81734	21.428	ug/l	96
13) Acrolein	4.171	56	84090	72.685	ug/l	98
14) Allyl chloride	5.012	41	132186	19.123	ug/l	98
15) Acrylonitrile	5.706	53	279159	105.183	ug/l	98
16) Acetone	4.424	43	283140	95.951	ug/l	99
17) Carbon Disulfide	4.701	76	234341	22.316	ug/l	100
18) Methyl Acetate	5.018	43	125567	20.323	ug/l	95
19) Methyl tert-butyl Ether	5.795	73	295415	20.645	ug/l	98
20) Methylene Chloride	5.259	84	99190	22.558	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	88803	21.481	ug/l	89
22) Diisopropyl ether	6.653	45	311629	20.891	ug/l	98
23) Vinyl Acetate	6.589	43	1440014	106.108	ug/l	100
24) 1,1-Dichloroethane	6.559	63	171082	20.918	ug/l	99
25) 2-Butanone	7.471	43	395717	101.930	ug/l	99
26) 2,2-Dichloropropane	7.471	77	144187	20.541	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	103794	21.002	ug/l	98
28) Bromochloromethane	7.794	49	81554	20.626	ug/l	99
29) Tetrahydrofuran	7.824	42	264967	106.052	ug/l	98
30) Chloroform	7.947	83	180449	21.616	ug/l	99
31) Cyclohexane	8.241	56	144622	21.211	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	150632	21.292	ug/l	93
36) 1,1-Dichloropropene	8.353	75	116215	20.799	ug/l	99
37) Ethyl Acetate	7.547	43	155597	20.379	ug/l	96
38) Carbon Tetrachloride	8.341	117	124023	22.481	ug/l	92
39) Methylcyclohexane	9.583	83	129952	21.125	ug/l	97
40) Benzene	8.588	78	380842	22.222	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087795.D
Acq On : 11 Sep 2025 14:21
Operator : JC\MD
Sample : VN0911WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:51:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	81696	20.656	ug/l		96
42) 1,2-Dichloroethane	8.653	62	141700	21.516	ug/l		100
43) Isopropyl Acetate	8.671	43	252433	21.176	ug/l		99
44) Trichloroethene	9.336	130	85729	21.910	ug/l		95
45) 1,2-Dichloropropane	9.600	63	96507	21.364	ug/l		100
46) Dibromomethane	9.688	93	72195	22.458	ug/l		99
47) Bromodichloromethane	9.871	83	147416	22.376	ug/l		97
48) Methyl methacrylate	9.665	41	117076	20.763	ug/l		95
49) 1,4-Dioxane	9.683	88	37518	513.358	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.424	43	795956	110.668	ug/l		100
52) Toluene	10.612	92	227319	21.396	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	151320	22.189	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	158995	22.454	ug/l		96
55) 1,1,2-Trichloroethane	10.994	97	92322	22.463	ug/l		99
56) Ethyl methacrylate	10.853	69	142291	21.663	ug/l		98
57) 1,3-Dichloropropane	11.141	76	160951	22.127	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	277245	77.984	ug/l		99
59) 2-Hexanone	11.177	43	509150	112.012	ug/l		100
60) Dibromochloromethane	11.335	129	105880	22.233	ug/l		98
61) 1,2-Dibromoethane	11.447	107	94935	21.906	ug/l		96
64) Tetrachloroethene	11.082	164	71271	22.027	ug/l		90
65) Chlorobenzene	11.871	112	260914	22.487	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	90900	23.599	ug/l		98
67) Ethyl Benzene	11.941	91	434635	21.635	ug/l		99
68) m/p-Xylenes	12.047	106	331219	44.956	ug/l		97
69) o-Xylene	12.377	106	157177	21.769	ug/l		100
70) Styrene	12.388	104	275186	22.750	ug/l		98
71) Bromoform	12.559	173	71930	24.349	ug/l		98
73) Isopropylbenzene	12.676	105	404199	20.508	ug/l		98
74) N-amyl acetate	12.524	43	143545m	19.219	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	150041	22.112	ug/l		98
76) 1,2,3-Trichloropropane	12.971	75	135861m	23.753	ug/l		
77) Bromobenzene	12.959	156	99062	21.317	ug/l		99
78) n-propylbenzene	13.012	91	508284	20.937	ug/l		98
79) 2-Chlorotoluene	13.106	91	307862	21.073	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	349415	20.899	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	41752	19.325	ug/l		94
82) 4-Chlorotoluene	13.200	91	315840	20.563	ug/l		98
83) tert-Butylbenzene	13.418	119	293585	21.072	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	357731	21.374	ug/l		99
85) sec-Butylbenzene	13.594	105	439562	21.260	ug/l		100
86) p-Isopropyltoluene	13.706	119	368004	21.555	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	200138	21.870	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	202733	21.288	ug/l		98
89) n-Butylbenzene	14.035	91	355346	20.957	ug/l		99
90) Hexachloroethane	14.306	117	72679	22.344	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	190159	21.903	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	32144	19.941	ug/l		93
93) 1,2,4-Trichlorobenzene	15.365	180	112279	21.537	ug/l		96
94) Hexachlorobutadiene	15.476	225	42595	22.918	ug/l		97
95) Naphthalene	15.617	128	382521	20.715	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	109952	21.573	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087795.D
Acq On : 11 Sep 2025 14:21
Operator : JC\MD
Sample : VN0911WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:51:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

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

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

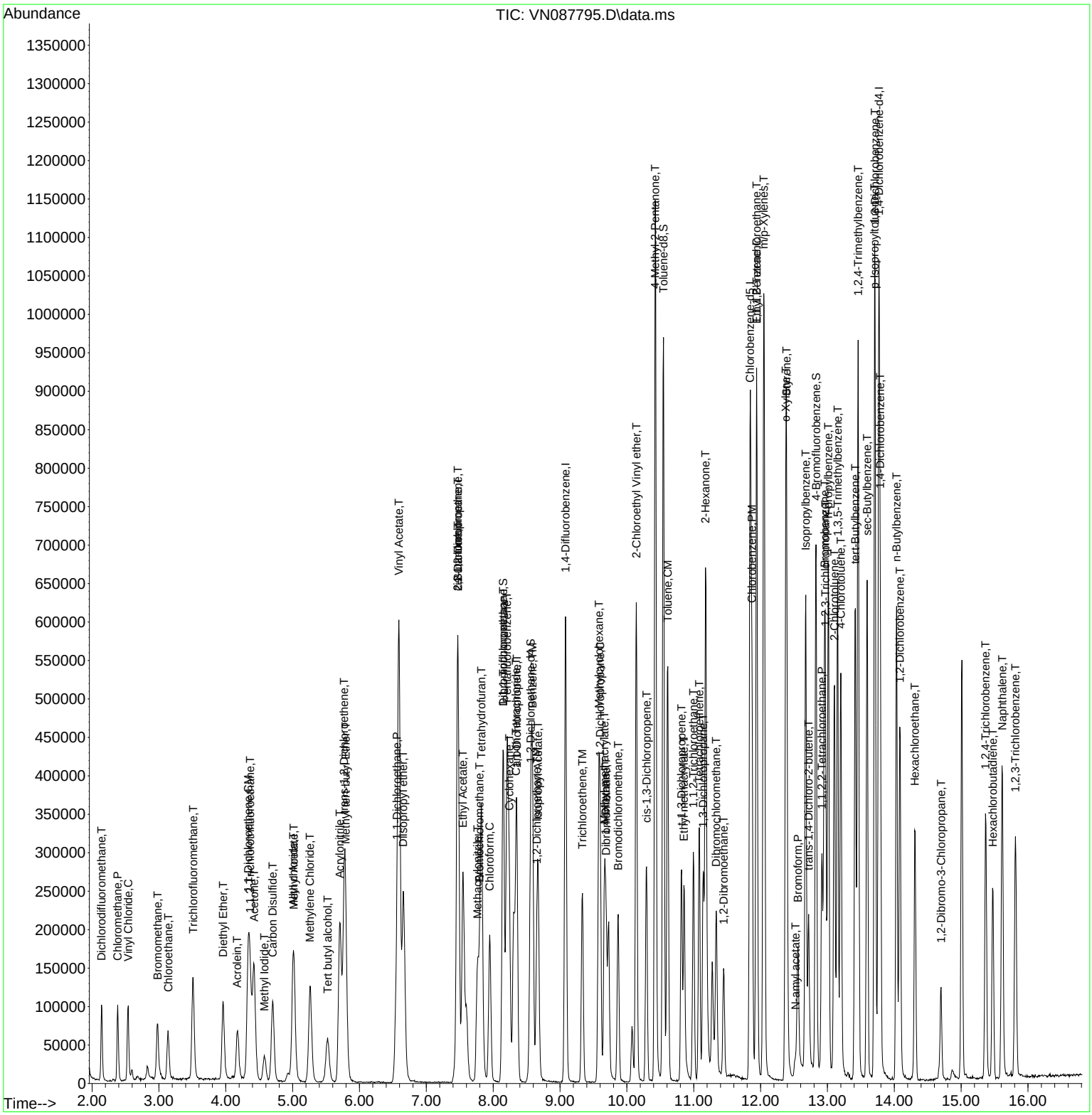
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087795.D
Acq On : 11 Sep 2025 14:21
Operator : JC\MD
Sample : VN0911WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:51:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025



Raw Data: **VN087796.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:	VN0911WBSD01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBSD01	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:	Date Analyzed	Prep Batch ID
VN087796.D	1	09/11/25 14:42	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.3		0.22	1.00	ug/L
74-87-3	Chloromethane	22.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.8		0.26	1.00	ug/L
74-83-9	Bromomethane	24.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.2		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	22.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	22.0		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	21.3		0.23	1.00	ug/L
67-64-1	Acetone	88.8		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	21.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.6		0.16	1.00	ug/L
79-20-9	Methyl Acetate	19.0		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.5		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	20.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.5		0.23	1.00	ug/L
110-82-7	Cyclohexane	21.0		1.50	5.00	ug/L
78-93-3	2-Butanone	97.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	23.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	23.4		0.16	1.00	ug/L
71-43-2	Benzene	22.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	22.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.7		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	22.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	22.0		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:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0911WBSD01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBSD01	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:	Date Analyzed	Prep Batch ID
VN087796.D	1	09/11/25 14:42	VN091125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	21.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.4		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	22.1		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	22.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	22.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	21.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	22.3		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	46.3		0.24	2.00	ug/L
95-47-6	o-Xylene	22.1		0.12	1.00	ug/L
100-42-5	Styrene	22.6		0.15	1.00	ug/L
75-25-2	Bromoform	24.1		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	21.4		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	20.7		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	19.8		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	21.6		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.7		74 - 125	85%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	47.1		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.206			
540-36-3	1,4-Difluorobenzene	517000	9.083			
3114-55-4	Chlorobenzene-d5	469000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	252000	13.77			

Raw Data: **VN087796.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:	VN0911WBSD01	SDG No.:	Q3078
Lab Sample ID:	VN0911WBSD01	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:	Date Analyzed	Prep Batch ID
VN087796.D	1	09/11/25 14:42	VN091125

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\VN091125\
Data File : VN087796.D
Acq On : 11 Sep 2025 14:42
Operator : JC\MD
Sample : VN0911WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:52:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	284367	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	516573	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469236	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	252435	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	248999	42.737	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.480%			
35) Dibromofluoromethane	8.147	113	184238	49.398	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.800%			
50) Toluene-d8	10.547	98	658053	47.141	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.280%			
62) 4-Bromofluorobenzene	12.829	95	235639	47.466	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	90187	22.330	ug/l	97
3) Chloromethane	2.383	50	92197	22.213	ug/l	95
4) Vinyl Chloride	2.536	62	104785	21.774	ug/l	99
5) Bromomethane	2.977	94	59650	24.022	ug/l	95
6) Chloroethane	3.136	64	68245	20.177	ug/l	93
7) Trichlorofluoromethane	3.512	101	160411	22.751	ug/l	100
8) Diethyl Ether	3.959	74	61819	20.132	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.359	101	87627	21.964	ug/l	94
10) Methyl Iodide	4.583	142	64098	25.380	ug/l	96
11) Tert butyl alcohol	5.530	59	106308	105.102	ug/l	99
12) 1,1-Dichloroethene	4.330	96	87329	21.301	ug/l	93
13) Acrolein	4.183	56	84753	68.158	ug/l	99
14) Allyl chloride	5.018	41	135039	18.176	ug/l	98
15) Acrylonitrile	5.706	53	284485	99.728	ug/l	98
16) Acetone	4.424	43	281669	88.807	ug/l	96
17) Carbon Disulfide	4.695	76	245100	21.716	ug/l	95
18) Methyl Acetate	5.024	43	126495	19.048	ug/l	94
19) Methyl tert-butyl Ether	5.789	73	302111	19.643	ug/l	92
20) Methylene Chloride	5.265	84	97533	20.528	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	88859	19.998	ug/l	88
22) Diisopropyl ether	6.659	45	309822	19.324	ug/l	98
23) Vinyl Acetate	6.594	43	1457687	99.933	ug/l	99
24) 1,1-Dichloroethane	6.553	63	171709	19.533	ug/l #	93
25) 2-Butanone	7.471	43	406134	97.330	ug/l	99
26) 2,2-Dichloropropane	7.471	77	151340	20.059	ug/l	100
27) cis-1,2-Dichloroethene	7.471	96	103096	19.408	ug/l	97
28) Bromochloromethane	7.800	49	82350	19.377	ug/l	97
29) Tetrahydrofuran	7.830	42	262404	97.715	ug/l	99
30) Chloroform	7.947	83	182840	20.378	ug/l	100
31) Cyclohexane	8.236	56	153604	20.960	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	156909	20.635	ug/l	98
36) 1,1-Dichloropropene	8.347	75	119325	20.855	ug/l	95
37) Ethyl Acetate	7.547	43	156153	19.972	ug/l	98
38) Carbon Tetrachloride	8.341	117	133901	23.702	ug/l	98
39) Methylcyclohexane	9.577	83	147246	23.375	ug/l	97
40) Benzene	8.583	78	385488	21.966	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087796.D
Acq On : 11 Sep 2025 14:42
Operator : JC\MD
Sample : VN0911WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:52:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	84250	20.802	ug/l		98
42) 1,2-Dichloroethane	8.653	62	143929	21.342	ug/l		100
43) Isopropyl Acetate	8.671	43	256028	20.974	ug/l		98
44) Trichloroethene	9.330	130	89641	22.373	ug/l		97
45) 1,2-Dichloropropane	9.600	63	95736	20.696	ug/l		100
46) Dibromomethane	9.688	93	73049	22.191	ug/l		95
47) Bromodichloromethane	9.865	83	149553	22.168	ug/l		97
48) Methyl methacrylate	9.665	41	120665	20.898	ug/l		97
49) 1,4-Dioxane	9.683	88	36752	491.085	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.424	43	804345	109.212	ug/l		100
52) Toluene	10.612	92	239807	22.042	ug/l		97
53) t-1,3-Dichloropropene	10.812	75	149420	21.397	ug/l		97
54) cis-1,3-Dichloropropene	10.294	75	155127	21.394	ug/l		93
55) 1,1,2-Trichloroethane	10.994	97	94082	22.354	ug/l		97
56) Ethyl methacrylate	10.853	69	143672	21.360	ug/l		97
57) 1,3-Dichloropropane	11.141	76	161502	21.682	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	278180	76.412	ug/l		99
59) 2-Hexanone	11.177	43	516097	110.878	ug/l		99
60) Dibromochloromethane	11.335	129	107819	22.109	ug/l		99
61) 1,2-Dibromoethane	11.447	107	97873	22.054	ug/l		98
64) Tetrachloroethene	11.082	164	74523	22.891	ug/l		89
65) Chlorobenzene	11.871	112	255372	21.876	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.935	131	90019	23.227	ug/l		99
67) Ethyl Benzene	11.941	91	450854	22.306	ug/l		98
68) m/p-Xylenes	12.047	106	343287	46.310	ug/l		98
69) o-Xylene	12.376	106	160231	22.057	ug/l		99
70) Styrene	12.388	104	275652	22.649	ug/l		99
71) Bromoform	12.559	173	71739	24.136	ug/l	#	98
73) Isopropylbenzene	12.671	105	423440	20.758	ug/l		99
74) N-amyl acetate	12.524	43	148966m	19.270	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	150166	21.382	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	135367m	22.867	ug/l		
77) Bromobenzene	12.959	156	99260	20.638	ug/l		99
78) n-propylbenzene	13.012	91	538903	21.448	ug/l		100
79) 2-Chlorotoluene	13.106	91	314012	20.768	ug/l		98
80) 1,3,5-Trimethylbenzene	13.153	105	360655	20.842	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	44946	20.100	ug/l		85
82) 4-Chlorotoluene	13.200	91	323353	20.340	ug/l		100
83) tert-Butylbenzene	13.412	119	306158	21.231	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	368292	21.261	ug/l		100
85) sec-Butylbenzene	13.594	105	468005	21.870	ug/l		98
86) p-Isopropyltoluene	13.706	119	389998	22.071	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	202490	21.379	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	203735	20.670	ug/l		99
89) n-Butylbenzene	14.035	91	378369	21.560	ug/l		99
90) Hexachloroethane	14.306	117	77697	23.080	ug/l		93
91) 1,2-Dichlorobenzene	14.082	146	196560	21.875	ug/l		96
92) 1,2-Dibromo-3-Chloropr...	14.694	75	32962	19.758	ug/l		97
93) 1,2,4-Trichlorobenzene	15.365	180	111854	20.730	ug/l		98
94) Hexachlorobutadiene	15.470	225	47970	24.937	ug/l		98
95) Naphthalene	15.612	128	386312	20.213	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	113978	21.607	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087796.D
Acq On : 11 Sep 2025 14:42
Operator : JC\MD
Sample : VN0911WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:52:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025

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

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

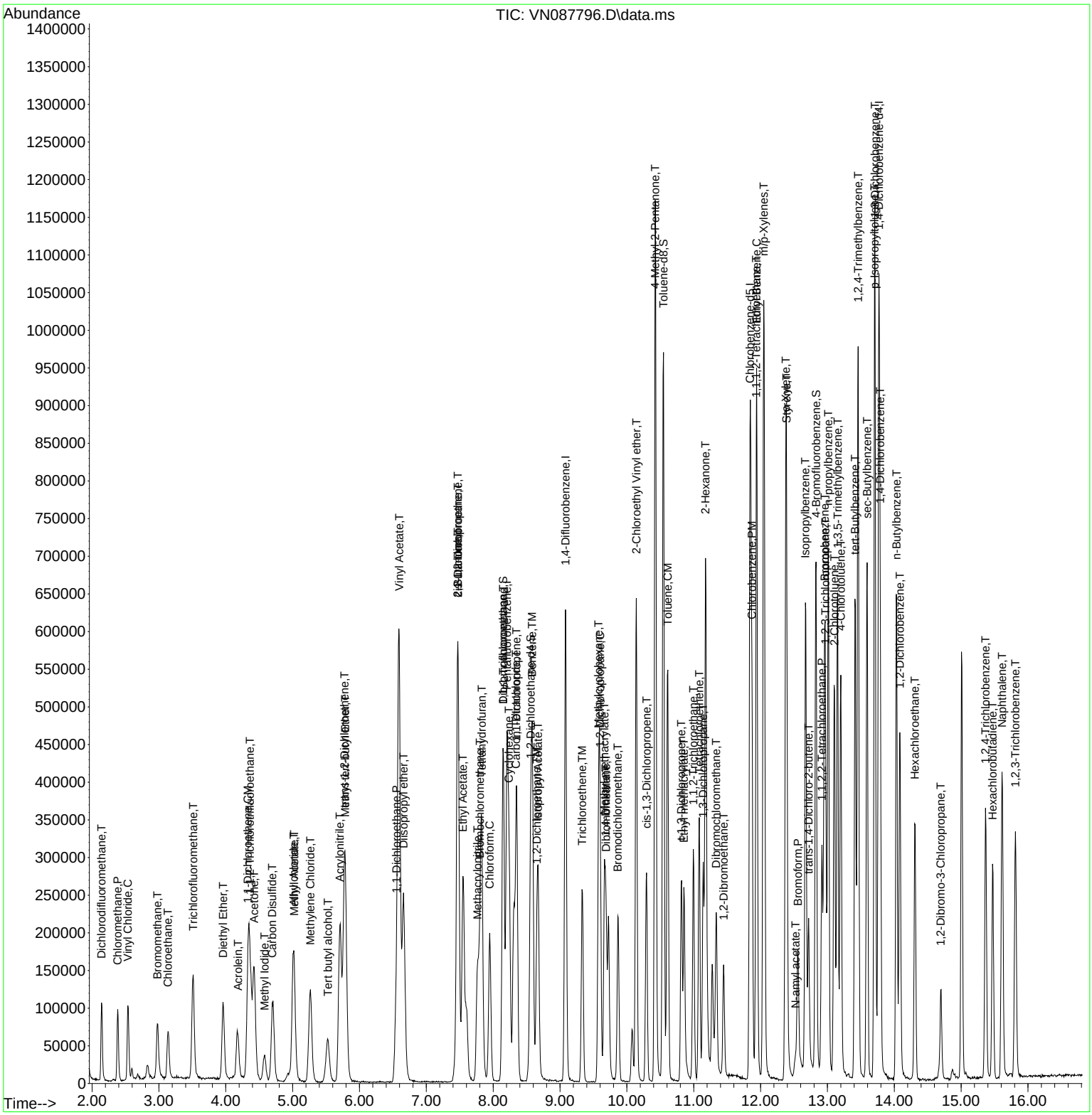
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091125\
Data File : VN087796.D
Acq On : 11 Sep 2025 14:42
Operator : JC\MD
Sample : VN0911WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 02:52:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0911WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/12/2025
Supervised By :Mahesh Dadoda 09/12/2025



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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn091125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087792.D	1,2,3-Trichloropropane	sam	9/12/2025 9:18:13 AM	MMDadoda	9/12/2025 1:48:06 PM	Peak Integrated by Software
VSTDCCC050	VN087792.D	N-amyl acetate	sam	9/12/2025 9:18:13 AM	MMDadoda	9/12/2025 1:48:06 PM	Peak Integrated by Software
VN0911WBS01	VN087795.D	1,2,3-Trichloropropane	sam	9/12/2025 9:18:17 AM	MMDadoda	9/12/2025 1:48:09 PM	Peak Integrated by Software
VN0911WBS01	VN087795.D	N-amyl acetate	sam	9/12/2025 9:18:17 AM	MMDadoda	9/12/2025 1:48:09 PM	Peak Integrated by Software
VN0911WBSD01	VN087796.D	1,2,3-Trichloropropane	sam	9/12/2025 9:18:21 AM	MMDadoda	9/12/2025 1:48:11 PM	Peak Integrated by Software
VN0911WBSD01	VN087796.D	N-amyl acetate	sam	9/12/2025 9:18:21 AM	MMDadoda	9/12/2025 1:48:11 PM	Peak Integrated by Software
VSTDCCC050	VN087809.D	1,2,3-Trichloropropane	sam	9/12/2025 9:18:49 AM	MMDadoda	9/12/2025 1:48:19 PM	Peak Integrated by Software
VSTDCCC050	VN087809.D	N-amyl acetate	sam	9/12/2025 9:18:49 AM	MMDadoda	9/12/2025 1:48:19 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 # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091125

Review By	Mahesh Dadoda	Review On	9/12/2025 1:48:33 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/12/2025 1:52:34 PM				
SubDirectory	VN091125	HP Acquire Method	MSVOA_N		HP Processing Method	VN082125W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP135417
Initial Calibration Stds	
CCC	VP135415,VP135416
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087791.D	11 Sep 2025 09:53	JC\MD	Ok
2	VSTDCCC050	VN087792.D	11 Sep 2025 12:49	JC\MD	Ok,M
3	VN0911MBL01	VN087793.D	11 Sep 2025 13:25	JC\MD	Ok
4	VN0911WBL01	VN087794.D	11 Sep 2025 13:45	JC\MD	Ok
5	VN0911WBS01	VN087795.D	11 Sep 2025 14:21	JC\MD	Ok,M
6	VN0911WBSD01	VN087796.D	11 Sep 2025 14:42	JC\MD	Ok,M
7	Q3078-01	VN087797.D	11 Sep 2025 15:03	JC\MD	Dilution
8	VIBLK	VN087798.D	11 Sep 2025 15:25	JC\MD	Ok
9	Q3078-02	VN087799.D	11 Sep 2025 15:45	JC\MD	Ok
10	PB169644TB	VN087800.D	11 Sep 2025 16:06	JC\MD	Ok,M
11	Q3054-04	VN087801.D	11 Sep 2025 16:27	JC\MD	Ok,M
12	Q3054-08	VN087802.D	11 Sep 2025 16:48	JC\MD	Ok
13	Q3072-02	VN087803.D	11 Sep 2025 17:09	JC\MD	Ok,M
14	Q3083-01	VN087804.D	11 Sep 2025 17:30	JC\MD	ReRun
15	Q3083-02	VN087805.D	11 Sep 2025 17:51	JC\MD	Ok
16	Q3083-03	VN087806.D	11 Sep 2025 18:11	JC\MD	Ok
17	Q3078-01DL	VN087807.D	11 Sep 2025 18:32	JC\MD	Ok
18	VN0911WBS02	VN087808.D	11 Sep 2025 18:53	JC\MD	Not Ok
19	VSTDCCC050	VN087809.D	11 Sep 2025 19:14	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091125

Review By	Mahesh Dadoda	Review On	9/12/2025 1:48:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/12/2025 1:52:34 PM		
SubDirectory	VN091125	HP Acquire Method	MSVOA_N	HP Processing Method	VN082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135417
Initial Calibration Stds	
CCC	VP135415,VP135416
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087791.D	11 Sep 2025 09:53		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087792.D	11 Sep 2025 12:49		JC\MD	Ok,M
3	VN0911MBL01	VN0911MBL01	VN087793.D	11 Sep 2025 13:25		JC\MD	Ok
4	VN0911WBL01	VN0911WBL01	VN087794.D	11 Sep 2025 13:45		JC\MD	Ok
5	VN0911WBS01	VN0911WBS01	VN087795.D	11 Sep 2025 14:21	BS Failed High For Com.#40,65,68	JC\MD	Ok,M
6	VN0911WBSD01	VN0911WBSD01	VN087796.D	11 Sep 2025 14:42	BSD Failed High For Com.#39,40,65,67,68,69	JC\MD	Ok,M
7	Q3078-01	250910074-01-VOA	VN087797.D	11 Sep 2025 15:03	Need 10X;BS,BSD Failed High,vial A pH#8	JC\MD	Dilution
8	VIBLK	VIBLK	VN087798.D	11 Sep 2025 15:25		JC\MD	Ok
9	Q3078-02	250910064-01-TRIP-BL	VN087799.D	11 Sep 2025 15:45	TB,vial A pH#7	JC\MD	Ok
10	PB169644TB	PB169644TB	VN087800.D	11 Sep 2025 16:06	vial A pH# 5	JC\MD	Ok,M
11	Q3054-04	MH-385	VN087801.D	11 Sep 2025 16:27	vial A pH# 5	JC\MD	Ok,M
12	Q3054-08	MH-384	VN087802.D	11 Sep 2025 16:48	vial B pH# 5	JC\MD	Ok
13	Q3072-02	30-GARFIELD-PL-COM	VN087803.D	11 Sep 2025 17:09	vial A pH# 5	JC\MD	Ok,M
14	Q3083-01	MW4S	VN087804.D	11 Sep 2025 17:30	BS failed High;BSD failed High,vial A pH#<2	JC\MD	ReRun
15	Q3083-02	MW4I	VN087805.D	11 Sep 2025 17:51	vial A pH#<3	JC\MD	Ok
16	Q3083-03	MW3S	VN087806.D	11 Sep 2025 18:11	vial A pH# <2	JC\MD	Ok
17	Q3078-01DL	250910074-01-VOADL	VN087807.D	11 Sep 2025 18:32	BS,BSD Failed High,vial C pH# 8,NO SAMPLE TO RERUN	JC\MD	Ok

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 # VN091125

Review By	Mahesh Dadoda	Review On	9/12/2025 1:48:33 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/12/2025 1:52:34 PM		
SubDirectory	VN091125	HP Acquire Method	MSVOA_N	HP Processing Method	VN082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135417
Initial Calibration Stds	
CCC	VP135415,VP135416
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	VN0911WBS02	VN0911WBS02	VN087808.D	11 Sep 2025 18:53	Surrogate Fail	JC\MD	Not Ok
19	VSTDCCC050	VSTDCCC050EC	VN087809.D	11 Sep 2025 19:14		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

Q3078
FOR 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	**	250910074-01 VOA	9/10/25	8:40	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
↓		250910074-01 Trip blank					EPA 8260 TCL LIST + Acrolien & Acı	2	V	40mL	A

*KAE 9/10/25

⇨ *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): Kaylee Evans	Signature: Kaylee Evans	Date/Time: 9/10/25 15:04
2. Received/Relinquished by (PRINT): MATT JACKSON	Signature: M. Jackson	Date/Time: 9/11/25 8:20 AM

9/11/25 0820

The liability of Garden State Laboratories, Inc. for services rendered shall in no event exceed the amount of the invoice.
Main Lab certified by NJ Dept. of Health, NJDEP-TNI, NY Dept. of Health #11550 and PADEP #68-03680

4.3°C

284 Sheffield Street, Mountainside NJ 07092 (908)-789-8900 Fax : 908 789 8922

Laboratory Certification

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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3078 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 9/11/2025 10:27:00 AM
Project Name : Waste Water 2025
Receive DateTime : 9/11/2025 8:20:00 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
Q3078-01	250910074-01-VOA	Water	09/10/2025	08:40					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q3078-02	250910064-01-TRIP-BLANK	Water	09/10/2025	08:40					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By :
Date / Time : 9/11/25 1055

Received By :
Date / Time : 9/11/25 10:55 Rgt 4

Storage Area : VOA Refridgerator Room