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	
Q3078-02	**250910064-01-TRIP-BLANK**	**Water**			**09/10/25**			**09/11/25**
			VOCMS Group1	624.1			09/12/25	

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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:								

0

Total Voc :

Total Concentration:

QC SUMMARY

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Surrogate Summary

SDG No.: Q3078

Client: Garden State Laboratories, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q3078-01	250910074-01-VOA	1,2-Dichloroethane-d4	30	30.1	100		91	110
		Toluene-d8	30	28.9	96		91	112
		4-Bromofluorobenzene	30	28.2	94		63	112
Q3078-02	250910064-01-TRIP-BLANK	1,2-Dichloroethane-d4	30	29.3	98		91	110
		Toluene-d8	30	28.2	94		91	112
		4-Bromofluorobenzene	30	24.8	83		63	112
VN0912WBL01	VN0912WBL01	1,2-Dichloroethane-d4	30	29.2	97		91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	25.9	86		63	112
VN0912WBS01	VN0912WBS01	1,2-Dichloroethane-d4	30	29.2	97		91	110
		Toluene-d8	30	30.1	100		91	112
		4-Bromofluorobenzene	30	30.2	101		63	112
VN0912WBSD0	VN0912WBSD01	1,2-Dichloroethane-d4	30	27.7	92		91	110
		Toluene-d8	30	29.9	100		91	112
		4-Bromofluorobenzene	30	29.3	98		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q3078**	**Analytical Method:**	**SW624.1**
Client:	**Garden State Laboratories, Inc.**	**Datafile :**	VN087812.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0912WBS01	Acrolein	100	99.6	ug/L	100			60	140	
	Acrylonitrile	100	89.7	ug/L	90			60	140	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3078 **Analytical Method:** SW624.1

Client: Garden State Laboratories, Inc. **Datafile :** VN087813.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0912WBSD01	Acrolein	100	97.9	ug/L	98	2		60	140	20
	Acrylonitrile	100	87.6	ug/L	88	2		60	140	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0912WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3078

Lab File ID: VN087814.D Lab Sample ID: VN0912WBL01

Date Analyzed: 09/12/2025 Time Analyzed: 11:40

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
VN0912WBS01	VN0912WBS01	VN087812.D	09/12/2025
VN0912WBSD01	VN0912WBSD01	VN087813.D	09/12/2025
250910064-01-TRIP-BLANK	Q3078-02	VN087815.D	09/12/2025
250910074-01-VOA	Q3078-01	VN087816.D	09/12/2025

COMMENTS:

Raw Data: **VN087713.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: VN087713.D | BFB Injection Date: 09/04/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:10

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	23.1
75	30.0 - 60.0% of mass 95	57.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	67
175	5.0 - 9.0% of mass 174	5.4 (8.1) 1
176	95.0 - 101.0% of mass 174	65.8 (98.3) 1
177	5.0 - 9.0% of mass 176	4.7 (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
VSTDICC005	VSTDICC005	VN087725.D	09/04/2025	16:23
VSTDICCC020	VSTDICCC020	VN087726.D	09/04/2025	16:44
VSTDICC050	VSTDICC050	VN087727.D	09/04/2025	17:05
VSTDICC100	VSTDICC100	VN087728.D	09/04/2025	17:25
VSTDICC150	VSTDICC150	VN087729.D	09/04/2025	17:46

Raw Data: **VN087810.D**

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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: VN087810.D
BFB Injection Date: 09/12/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:23
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	20.1
75	30.0 - 60.0% of mass 95	54.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1.3 (1.8) 1
174	50.0 - 100.0% of mass 95	72.2
175	5.0 - 9.0% of mass 174	6.2 (8.5) 1
176	95.0 - 101.0% of mass 174	71 (98.3) 1
177	5.0 - 9.0% of mass 176	4.8 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087811.D	09/12/2025	10:04
VN0912WBS01	VN0912WBS01	VN087812.D	09/12/2025	10:45
VN0912WBSD01	VN0912WBSD01	VN087813.D	09/12/2025	11:06
VN0912WBL01	VN0912WBL01	VN087814.D	09/12/2025	11:40
250910064-01-TRIP-BLANK	Q3078-02	VN087815.D	09/12/2025	12:19
250910074-01-VOA	Q3078-01	VN087816.D	09/12/2025	12:40

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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: VN087811.D Date Analyzed: 09/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:04

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	60784	7.80	303424	9.08	286682	11.85
UPPER LIMIT	121568	8.3	606848	9.582	573364	12.347
LOWER LIMIT	30392	7.3	151712	8.582	143341	11.347
EPA SAMPLE NO.						
250910074-01-VOA	55446	7.79	279587	9.08	261896	11.85
250910064-01-TRIP-BLANK	47676	7.80	237316	9.08	222106	11.85
VN0912WBL01	57083	7.80	279905	9.08	254454	11.84
VN0912WBS01	57185	7.79	292500	9.08	270542	11.84
VN0912WBSD01	60654	7.80	293305	9.08	272699	11.85

IS1 = Bromochloromethane
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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Fax : 908 789 8922

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3078

Lab File ID: VN087811.D Date Analyzed: 09/12/2025

Instrument ID: MSVOA_N Time Analyzed: 10:04

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

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
250910074-01-VOA	0	0.00				
250910064-01-TRIP-BLANK	0	0.00				
VN0912WBL01	0	0.00				
VN0912WBS01	0	0.00				
VN0912WBSD01	0	0.00				

IS4 =

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: **VN087816.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-VOA	SDG No.:	Q3078
Lab Sample ID:	Q3078-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087816.D	1	09/12/25 12:40	VN091225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	28.9		91 - 112	96%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.2		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	55400	7.794			
540-36-3	1,4-Difluorobenzene	280000	9.082			
3114-55-4	Chlorobenzene-d5	262000	11.847			

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\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
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

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Quant Time: Sep 12 22:52:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	55446	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	279587	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	261896	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	142320	30.048	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%				
60) 4-Bromofluorobenzene	12.829	95	118936	28.244	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.133%				
63) Toluene-d8	10.541	98	352072	28.907	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.367%				
Target Compounds							Qvalue
3) Chloromethane	2.383	50	2566	0.709	ug/l	#	70
8) Diethyl Ether	3.953	74	12129	4.792	ug/l		97
12) Methyl Acetate	5.018	43	11241	2.179	ug/l		94
15) Acetone	4.418	58	650497	938.888	ug/l		89
16) Carbon Disulfide	4.706	76	15578m	1.695	ug/l		
23) tert-Butyl Alcohol	5.518	59	3109972	3961.284	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	18741m	1.568	ug/l		
30) 2-Butanone	7.465	43	3544664	1132.450	ug/l		97
34) Benzene	8.582	78	43742	2.979	ug/l	#	85
45) 1,4-Dioxane	9.677	88	4155m	65.719	ug/l		
58) 4-Methyl-2-Pentanone	10.424	43	76210	12.307	ug/l		92
62) Toluene	10.606	91	109194	6.893	ug/l		98
64) Chlorobenzene	11.865	112	11337	1.166	ug/l		98
66) Ethyl Benzene	11.941	91	111813	6.542	ug/l		96
67) m/p-Xylenes	12.047	106	38245	6.028	ug/l		90
68) o-Xylene	12.376	106	20779	3.378	ug/l		86
70) Isopropylbenzene	12.676	105	10813	0.693	ug/l		96
74) n-propylbenzene	13.012	91	8823	0.448	ug/l		98
76) 1,3,5-Trimethylbenzene	13.147	105	8210	0.623	ug/l		93
80) 1,2,4-Trimethylbenzene	13.459	105	28180	2.087	ug/l		95
82) p-Isopropyltoluene	13.706	119	29215	2.186	ug/l		84
84) 1,4-Dichlorobenzene	13.794	146	23903	3.242	ug/l		97
91) Naphthalene	15.611	128	299400	20.608	ug/l		98

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

Sample Results: **VN087816.D**

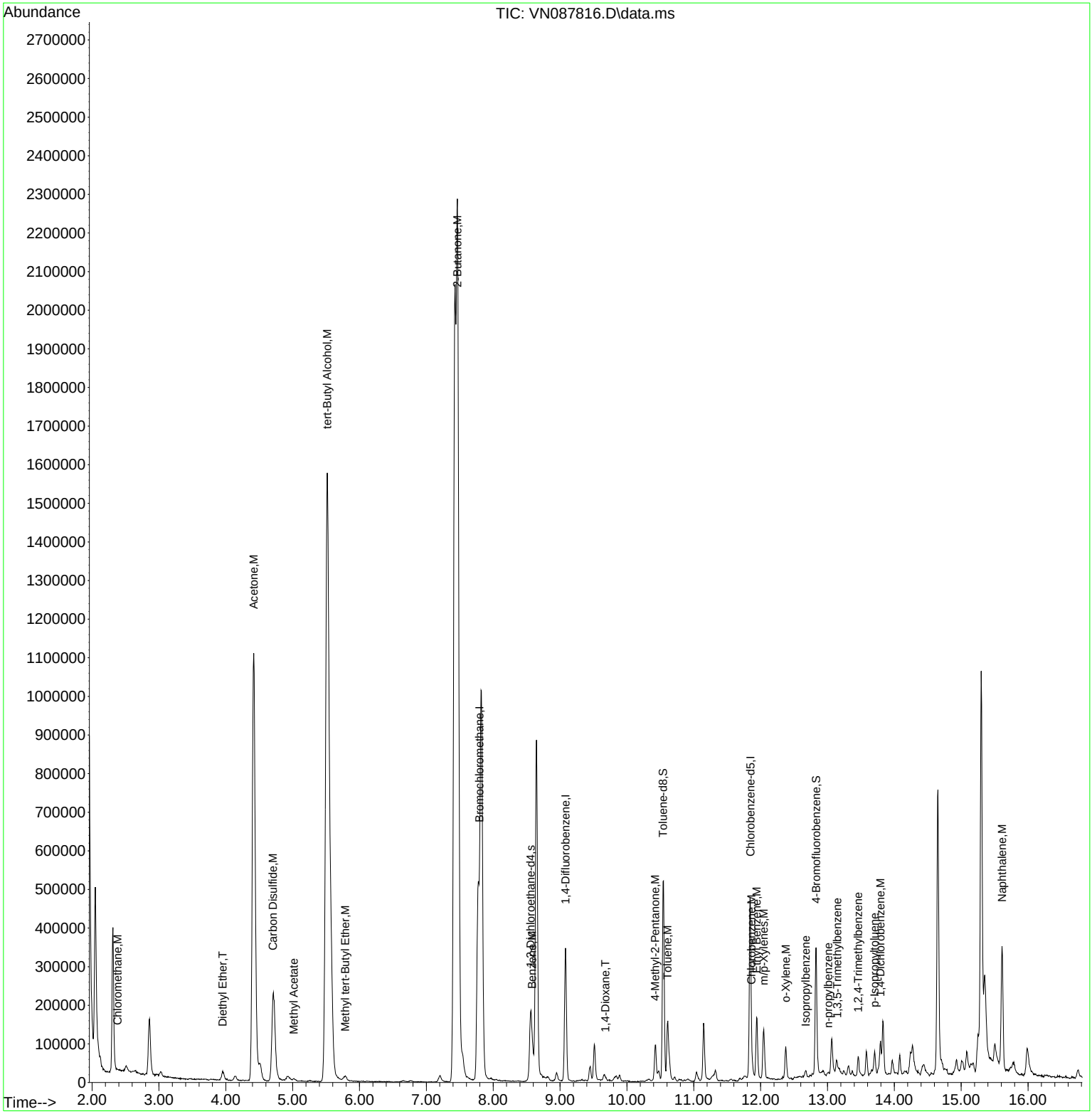
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087816.D
Acq On : 12 Sep 2025 12:40
Operator : JC\MD
Sample : Q3078-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

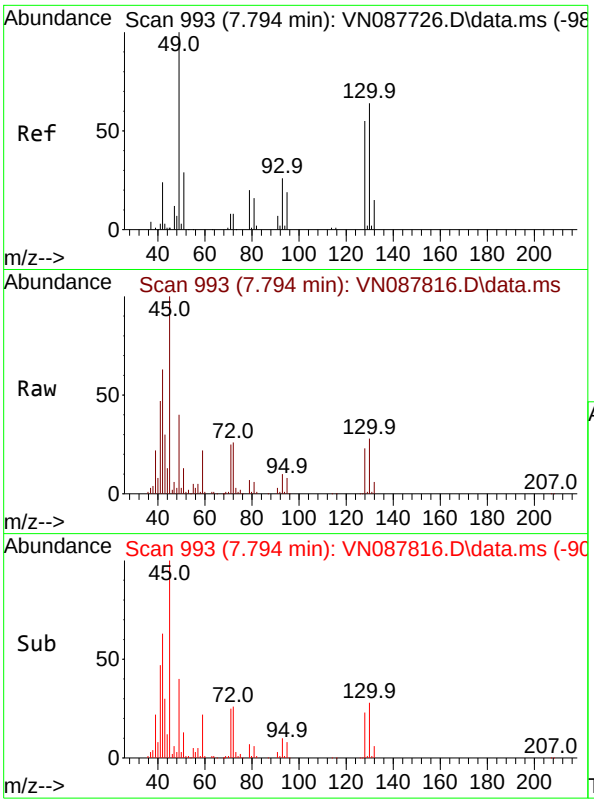
Quant Time: Sep 12 22:52:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

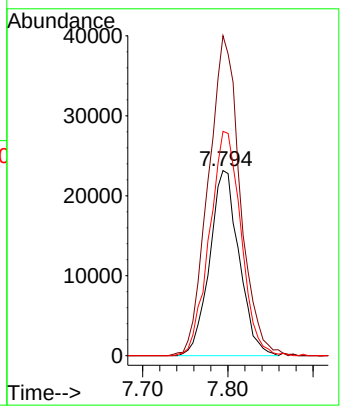




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:128 Resp: 5544

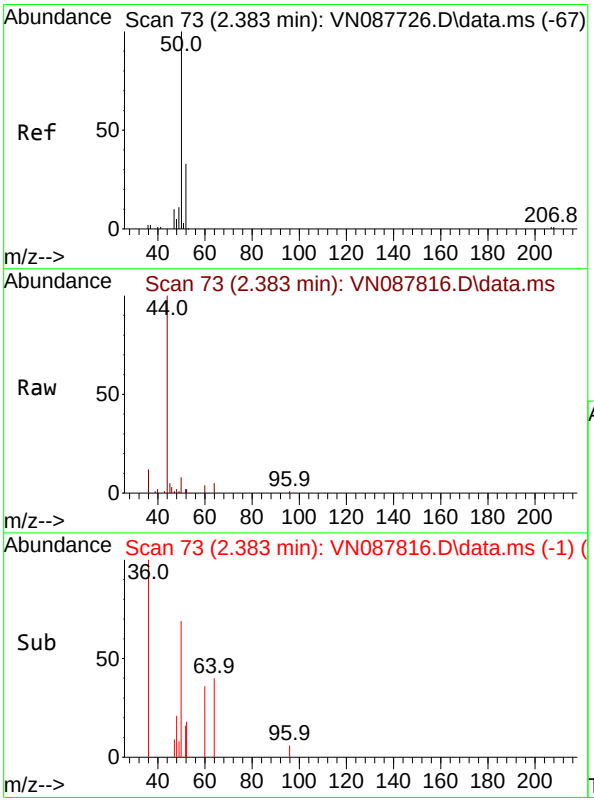
Ion	Ratio	Lower	Upper
128	100		
49	186.4	0.0	464.3
130	129.7	0.0	300.5



Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

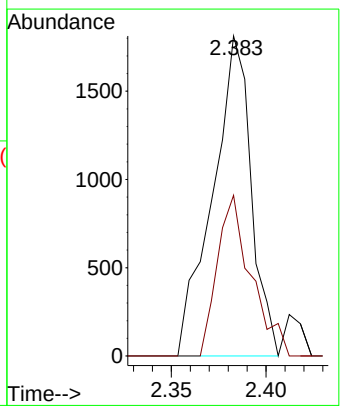
Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

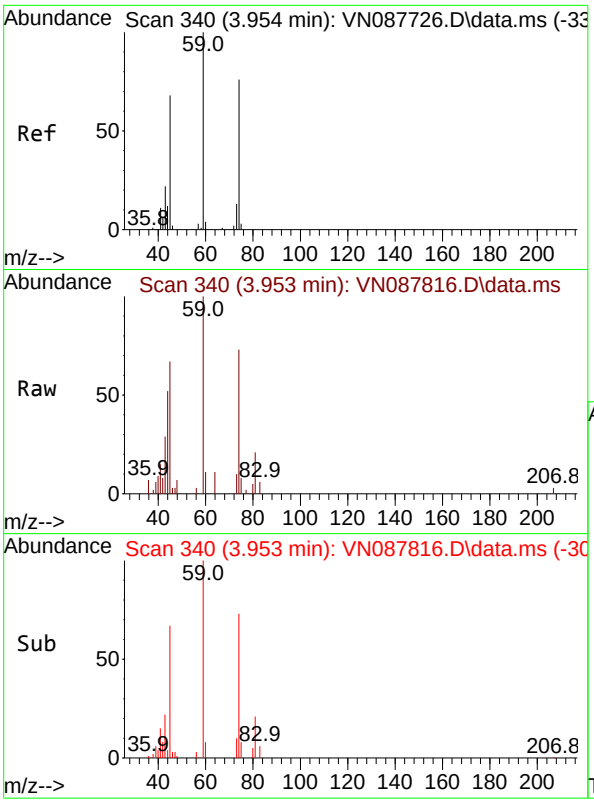


#3
Chloromethane
Concen: 0.709 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 50 Resp: 2566

Ion	Ratio	Lower	Upper
50	100		
52	50.2	26.6	40.0#





#8
Diethyl Ether
Concen: 4.792 ug/l
RT: 3.953 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

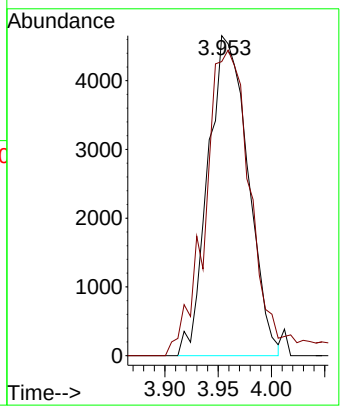
Tgt Ion: 74 Resp: 1212

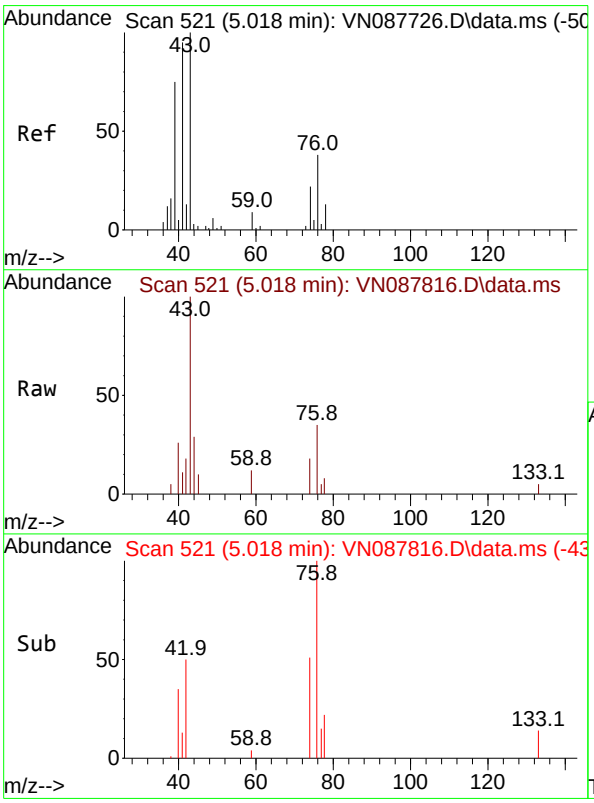
Ion	Ratio	Lower	Upper
74	100		
45	105.4	20.4	183.8

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

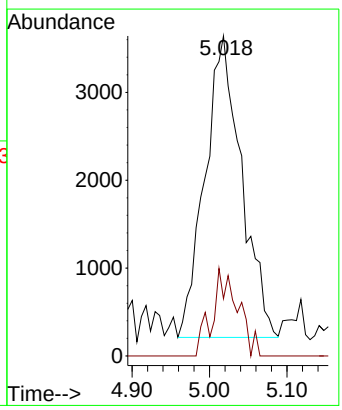


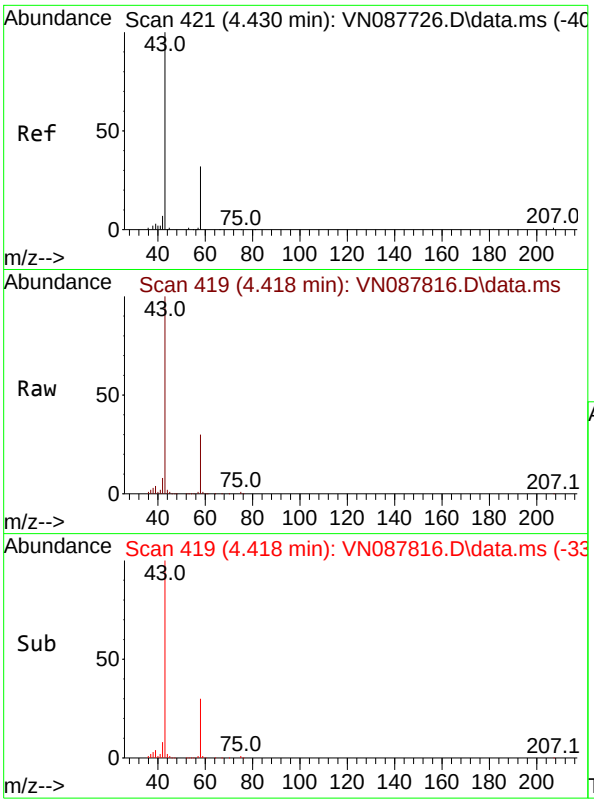


#12
Methyl Acetate
Concen: 2.179 ug/l
RT: 5.018 min Scan# 521
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 43 Resp: 11241

Ion	Ratio	Lower	Upper
43	100		
74	19.1	17.5	26.3

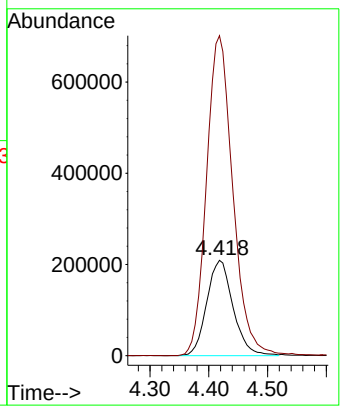




#15
Acetone
Concen: 938.888 ug/l
RT: 4.418 min Scan# 4
Delta R.T. -0.012 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 58 Resp: 65049

Ion	Ratio	Lower	Upper
58	100		
43	335.1	250.6	376.0



Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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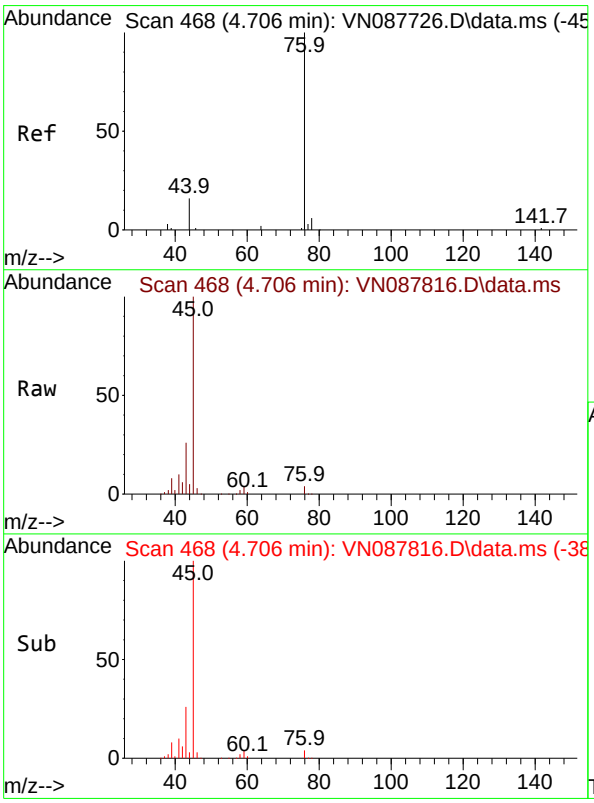
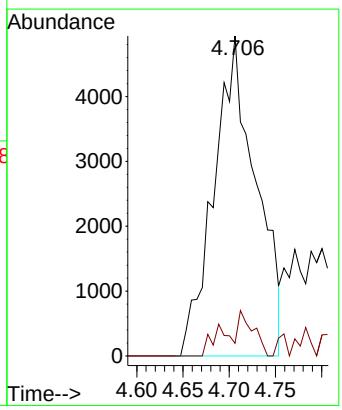
Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

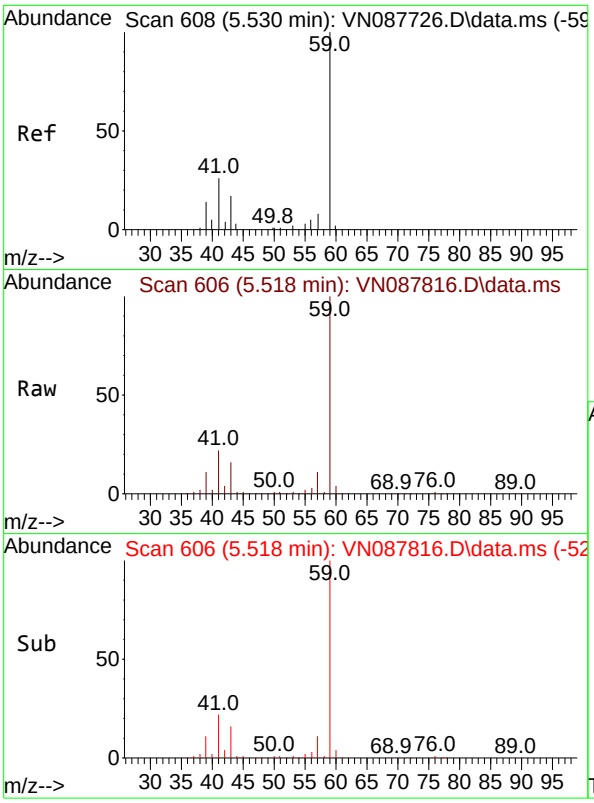


#16
Carbon Disulfide
Concen: 1.695 ug/l m
RT: 4.706 min Scan# 468
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 76 Resp: 15578

Ion	Ratio	Lower	Upper
76	100		
78	4.0	5.0	7.6#





#23
tert-Butyl Alcohol
Concen: 3961.284 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 59 Resp: 310997

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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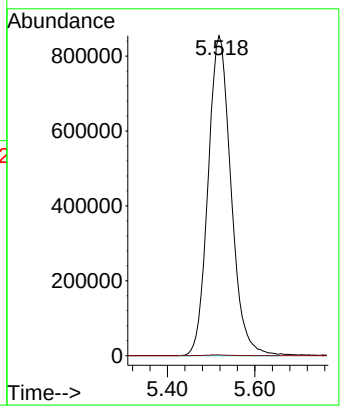
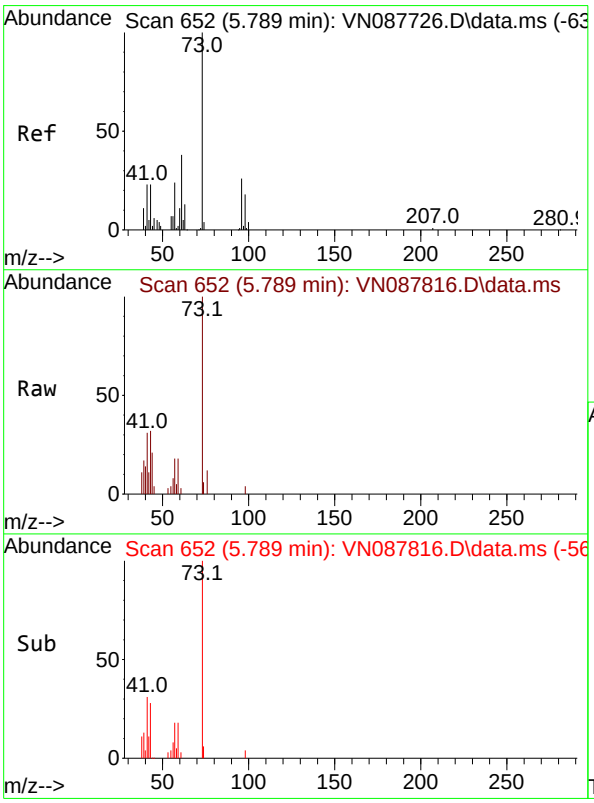
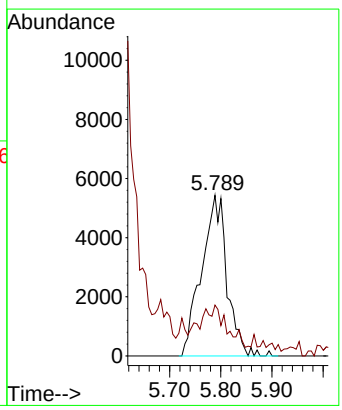


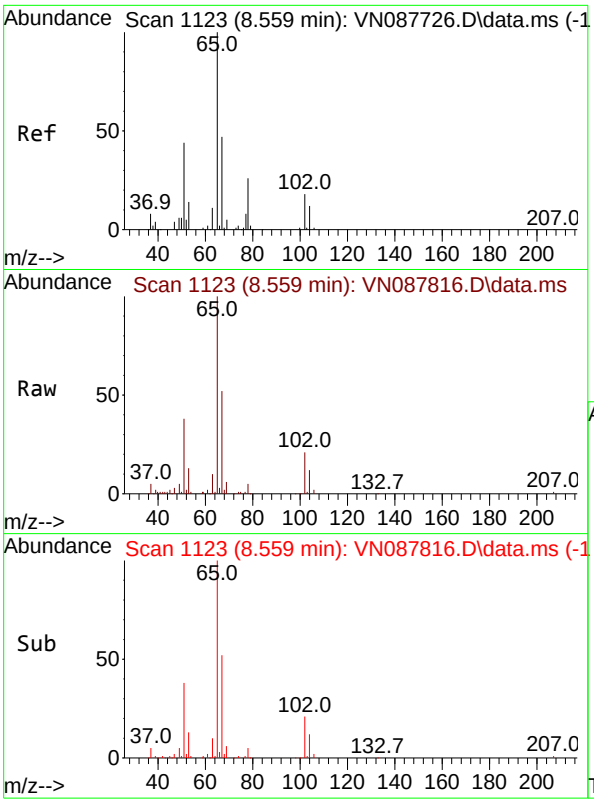


#24
Methyl tert-Butyl Ether
Concen: 1.568 ug/l m
RT: 5.789 min Scan# 652
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 73 Resp: 18741

Ion	Ratio	Lower	Upper
73	100		
43	14.9	16.8	25.2#





#27
1,2-Dichloroethane-d4
Concen: 30.048 ug/l
RT: 8.559 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 65 Resp: 14232

Ion	Ratio	Lower	Upper
65	100		
67	52.5	39.6	59.4

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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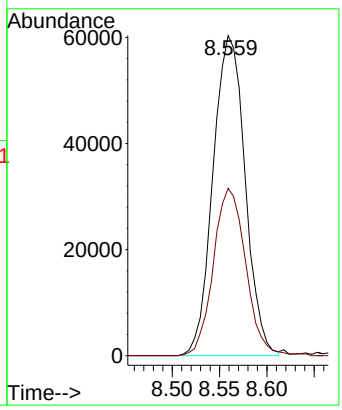
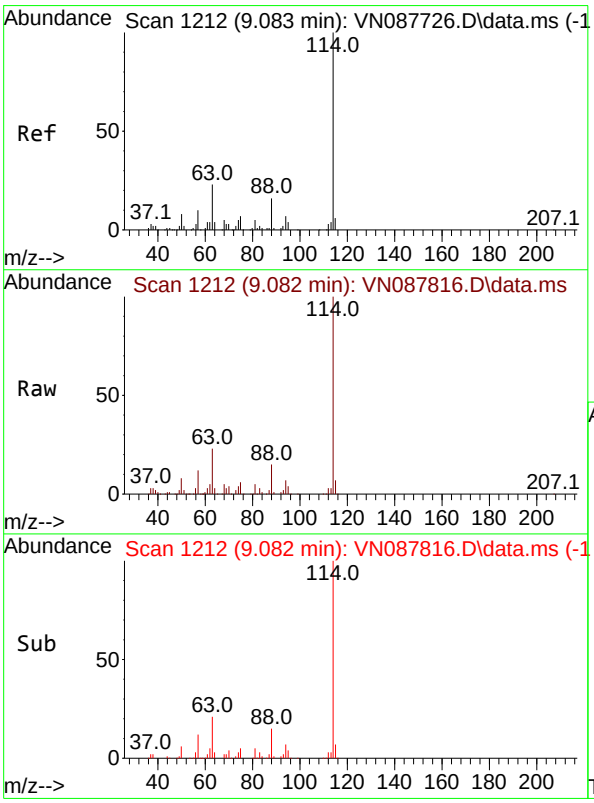
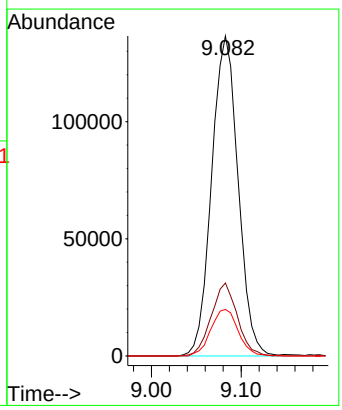


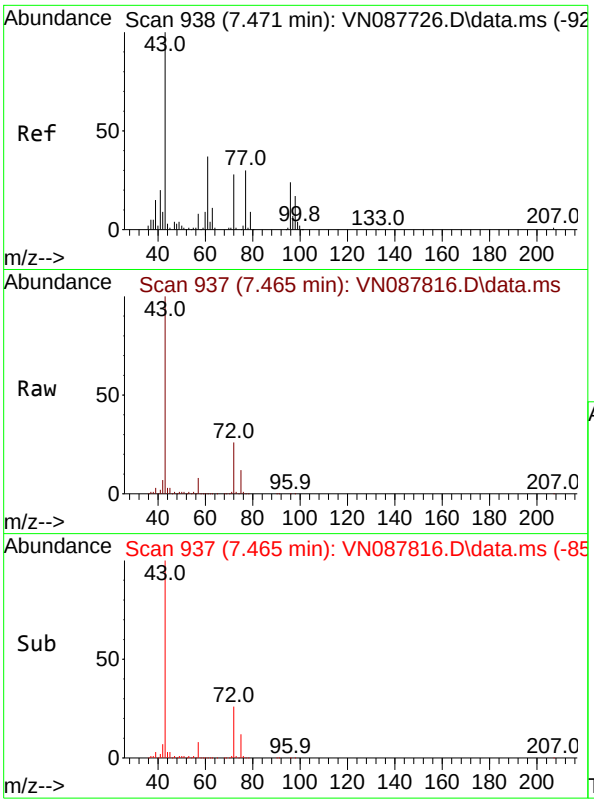


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:114 Resp: 279587

Ion	Ratio	Lower	Upper
114	100		
63	22.5	18.3	27.5
88	15.0	12.4	18.6





#30
2-Butanone
Concen: 1132.450 ug/l
RT: 7.465 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 43 Resp: 354466

Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.3	9.5
72	25.1	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
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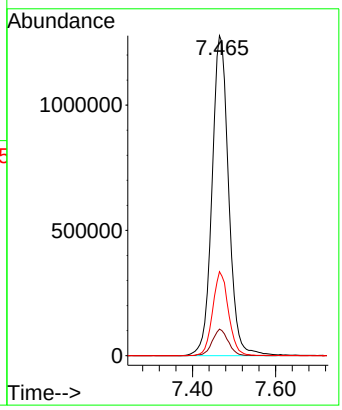
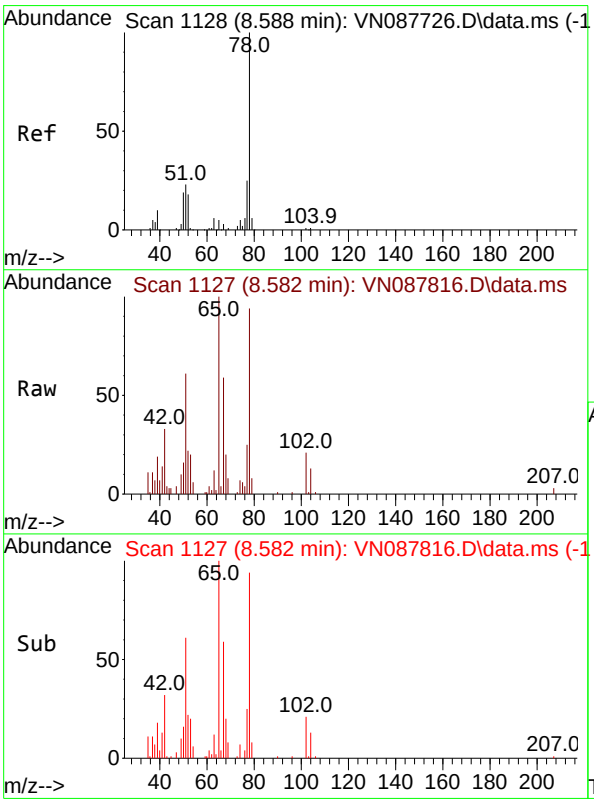
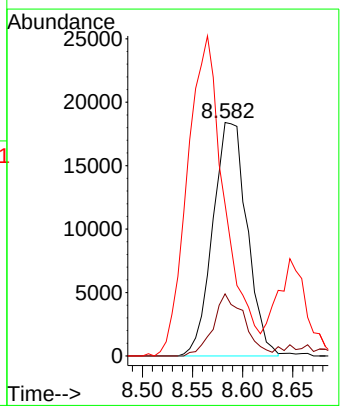


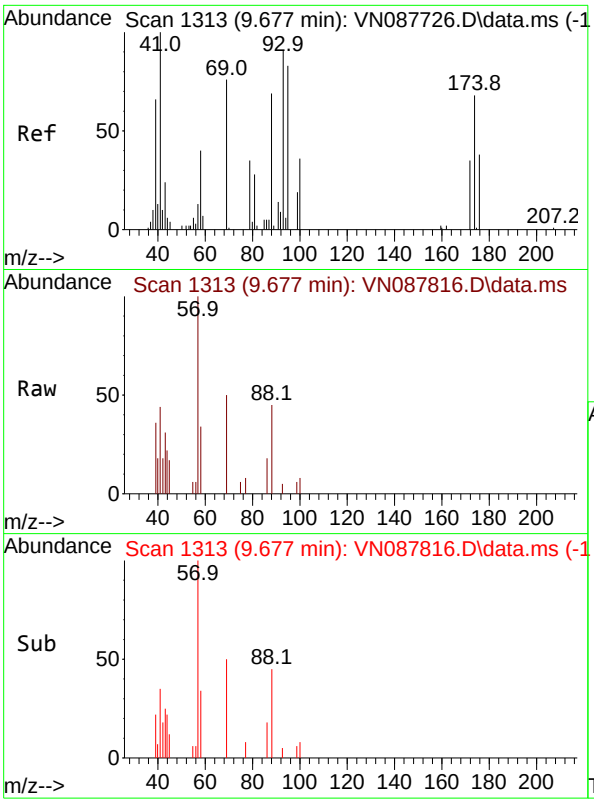


#34
Benzene
Concen: 2.979 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 78 Resp: 43742

Ion	Ratio	Lower	Upper
78	100		
77	26.6	20.3	30.5
51	36.9	18.0	27.0#





#45
1,4-Dioxane
Concen: 65.719 ug/l m
RT: 9.677 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 88 Resp: 415

Ion	Ratio	Lower	Upper
88	100		
43	20.1	23.6	35.4
58	73.6	60.5	90.7

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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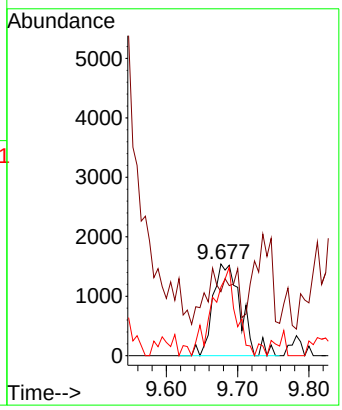
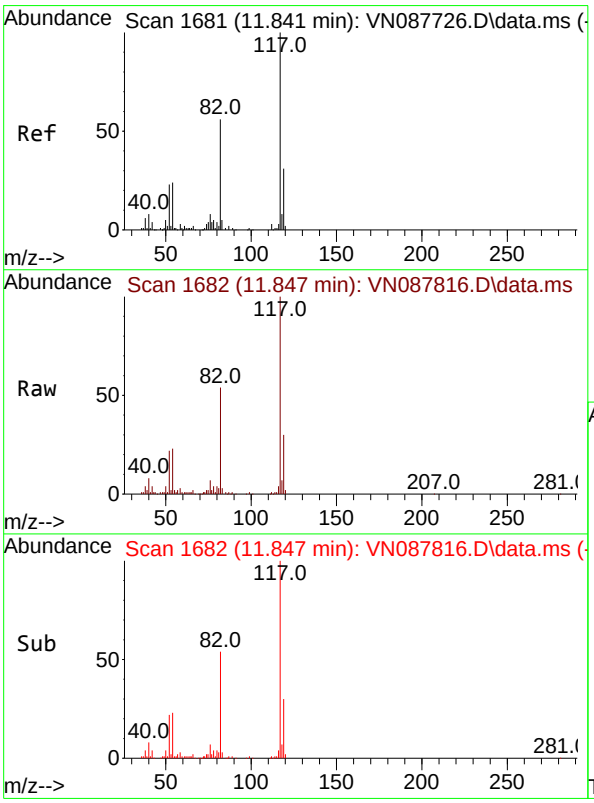
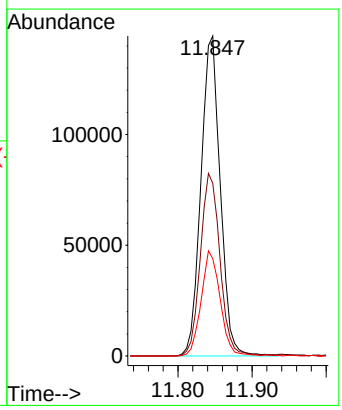


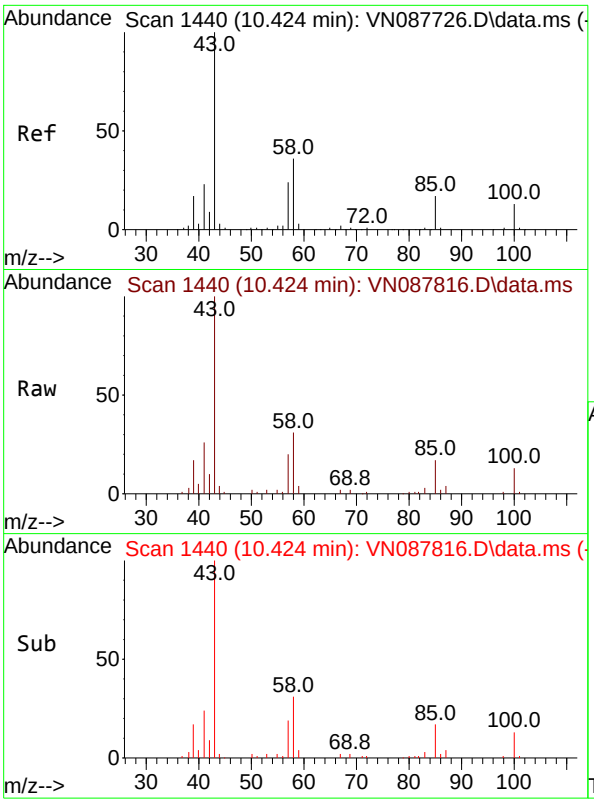


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:117 Resp: 261896

Ion	Ratio	Lower	Upper
117	100		
82	57.8	45.9	68.9
119	32.3	25.3	37.9





#58
4-Methyl-2-Pentanone
Concen: 12.307 ug/l
RT: 10.424 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 43 Resp: 7621(

Ion	Ratio	Lower	Upper
43	100		
58	31.8	29.6	44.4
85	13.7	13.0	19.4

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
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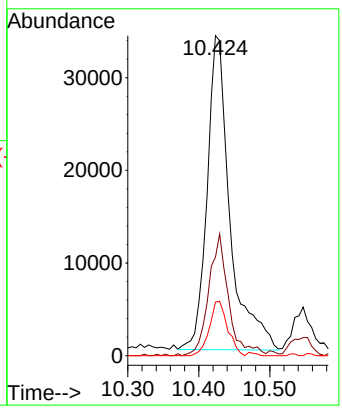
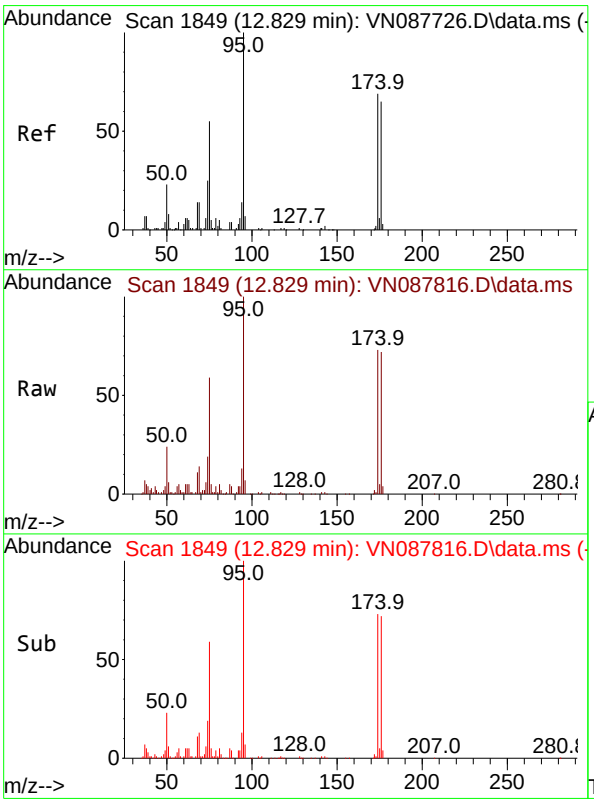
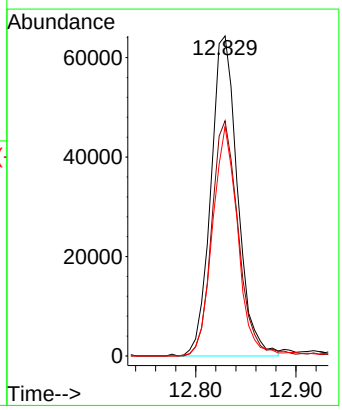


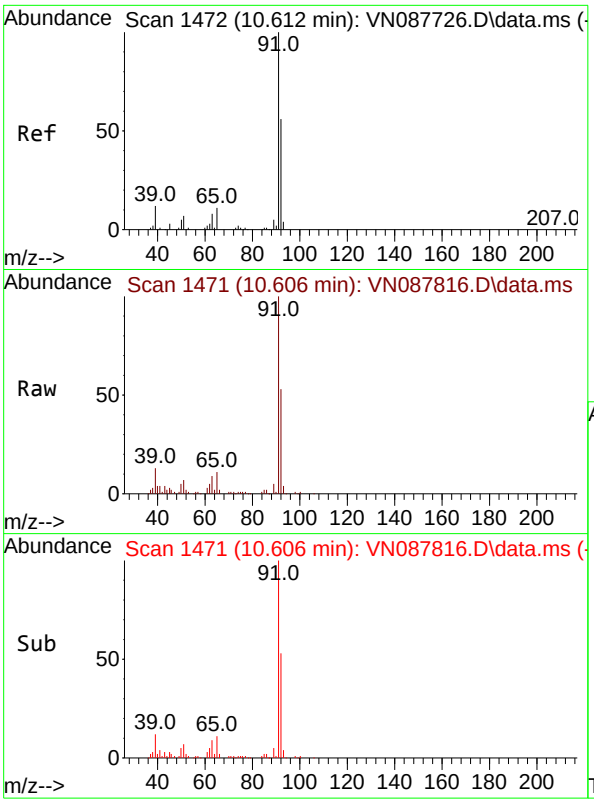


#60
4-Bromofluorobenzene
Concen: 28.244 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 95 Resp: 118936

Ion	Ratio	Lower	Upper
95	100		
174	73.6	55.4	83.0
176	67.8	51.5	77.3





#62
Toluene
Concen: 6.893 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 91 Resp: 10919

Ion	Ratio	Lower	Upper
91	100		
92	55.0	45.4	68.0

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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Reviewed By :Semsettin Yesilyurt 09/15/2025
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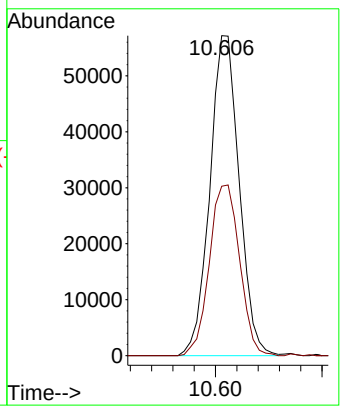
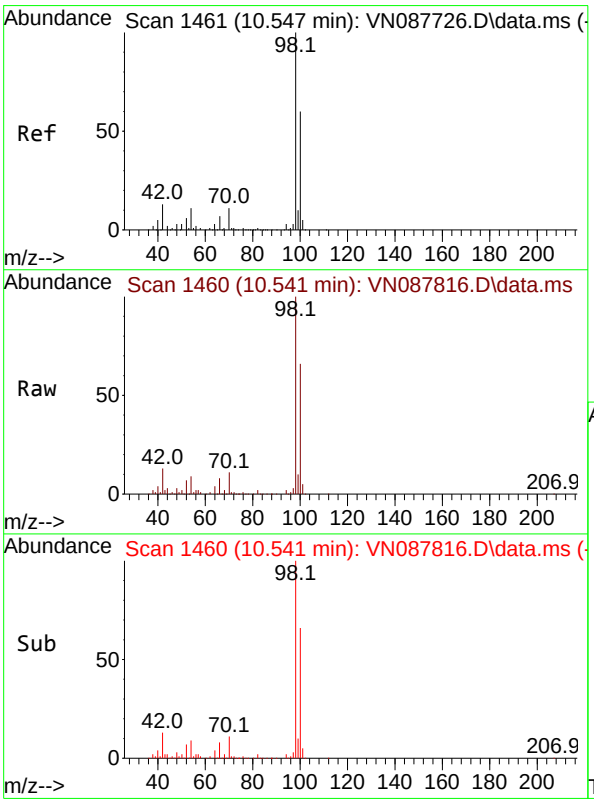
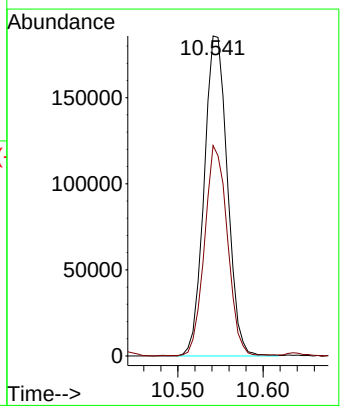


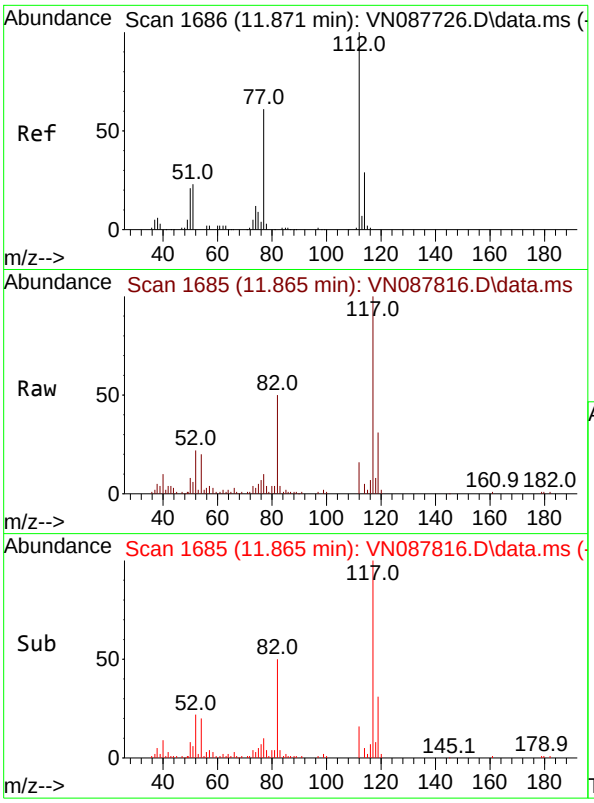


#63
Toluene-d8
Concen: 28.907 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 98 Resp: 352072

Ion	Ratio	Lower	Upper
98	100		
100	64.8	50.6	76.0





#64
Chlorobenzene
Concen: 1.166 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:112 Resp: 1133

Ion	Ratio	Lower	Upper
112	100		
114	30.6	23.5	35.3

Instrument :
MSVOA_N
ClientSampleId :
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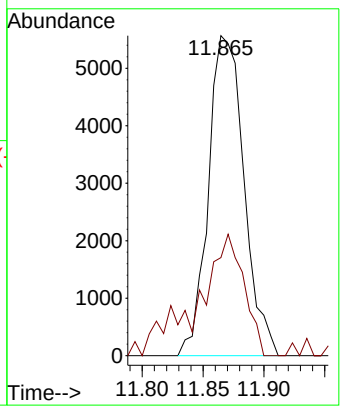
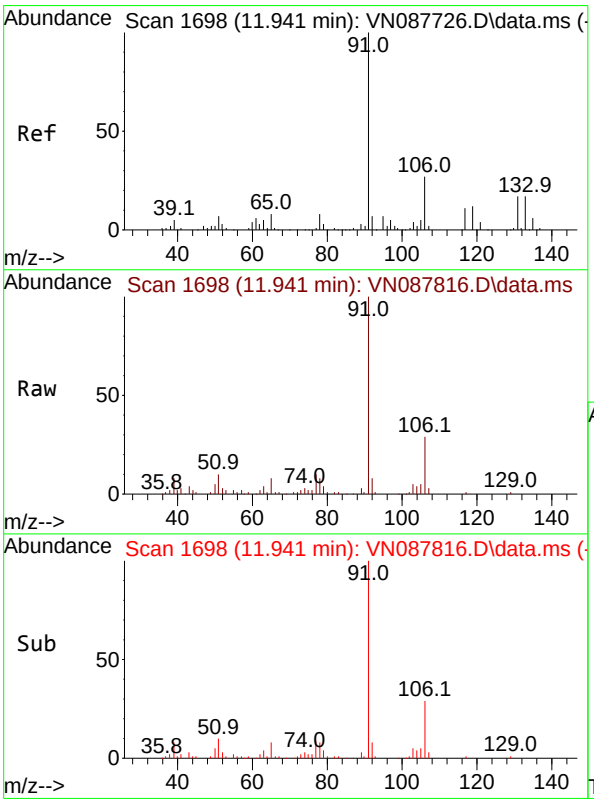
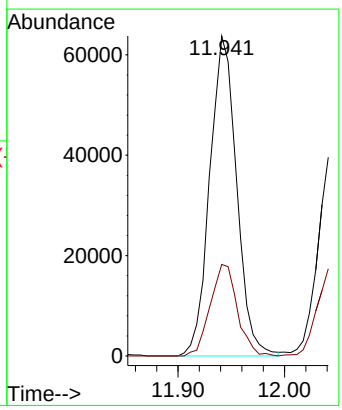


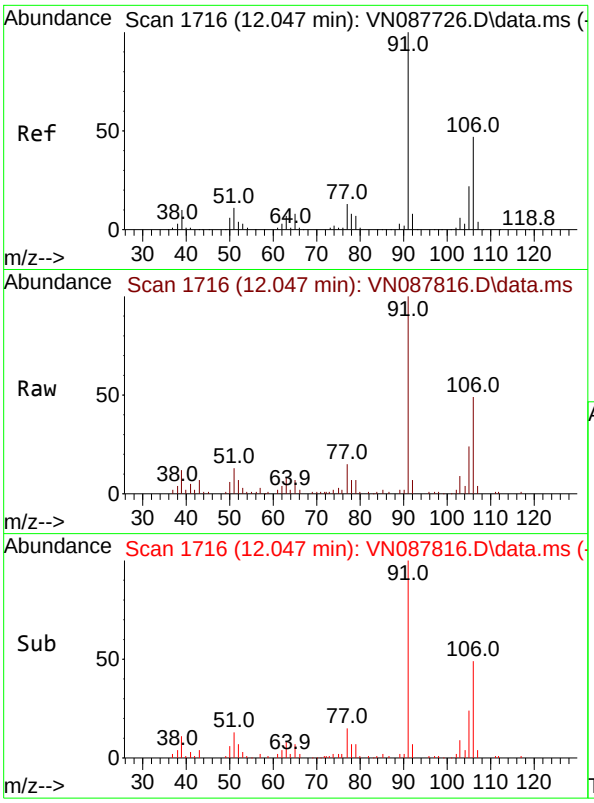


#66
Ethyl Benzene
Concen: 6.542 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 91 Resp: 111813

Ion	Ratio	Lower	Upper
91	100		
106	28.6	21.3	31.9





#67
m/p-Xylenes
Concen: 6.028 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:106 Resp: 3824

Ion	Ratio	Lower	Upper
106	100		
91	201.6	174.3	261.5

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

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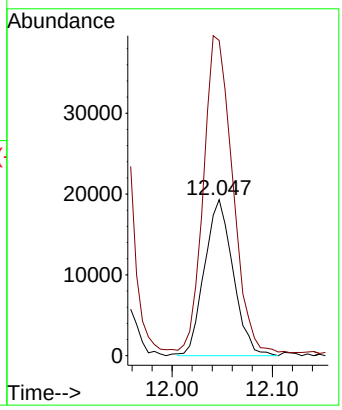
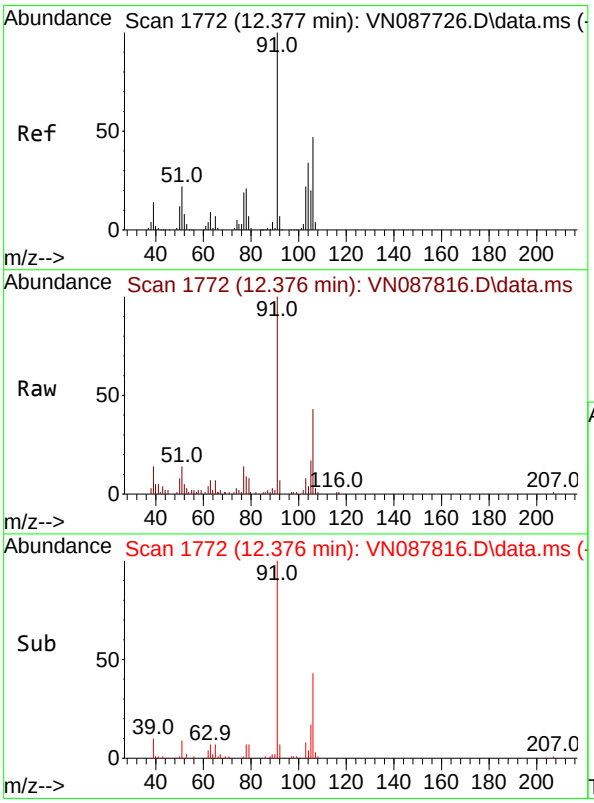
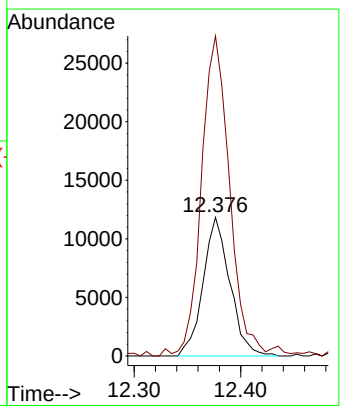


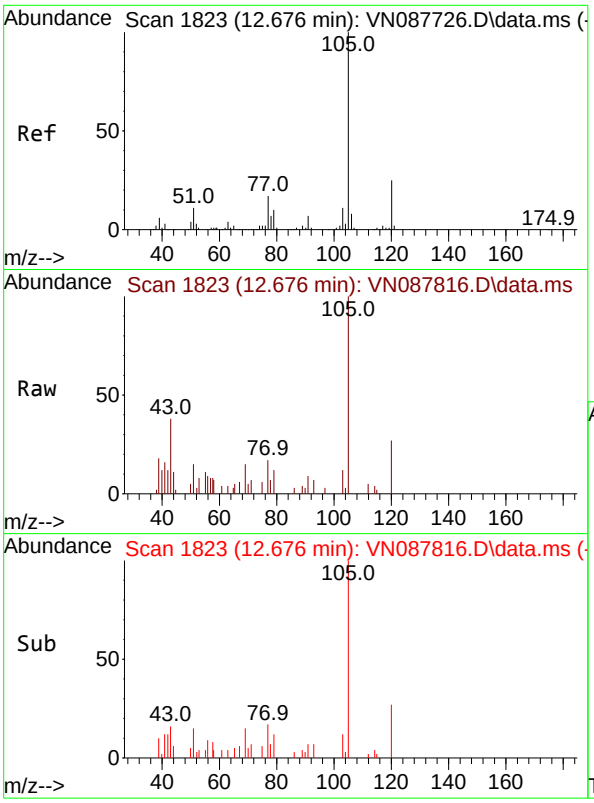


#68
o-Xylene
Concen: 3.378 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:106 Resp: 20779

Ion	Ratio	Lower	Upper
106	100		
91	237.6	107.7	323.3





#70
Isopropylbenzene
Concen: 0.693 ug/l
RT: 12.676 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

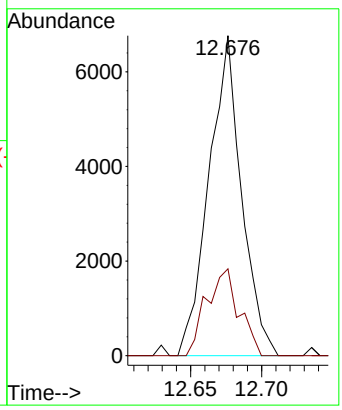
Tgt Ion:105 Resp: 1081

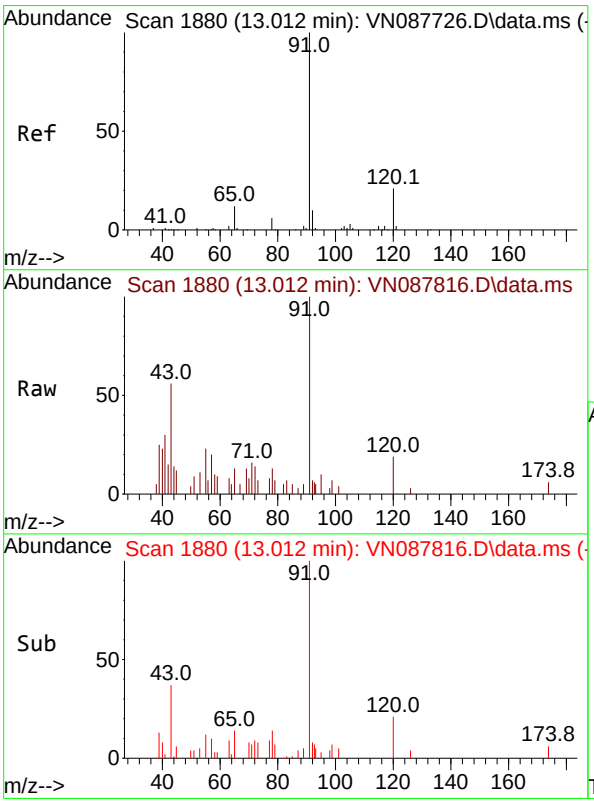
Ion	Ratio	Lower	Upper
105	100		
120	27.2	17.4	32.4

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

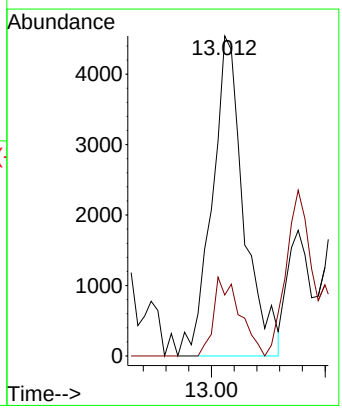


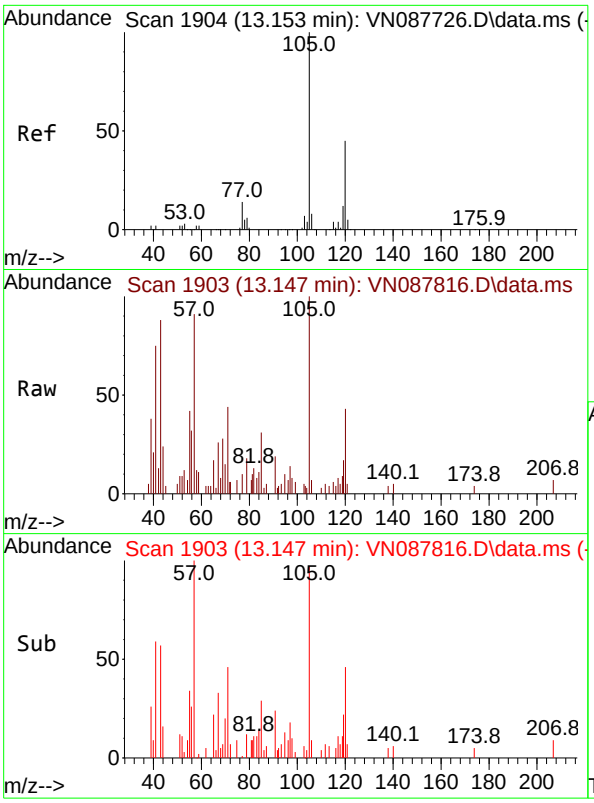


#74
n-propylbenzene
Concen: 0.448 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion: 91 Resp: 8823

Ion	Ratio	Lower	Upper
91	100		
120	20.3	0.0	42.2





#76
1,3,5-Trimethylbenzene
Concen: 0.623 ug/l
RT: 13.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

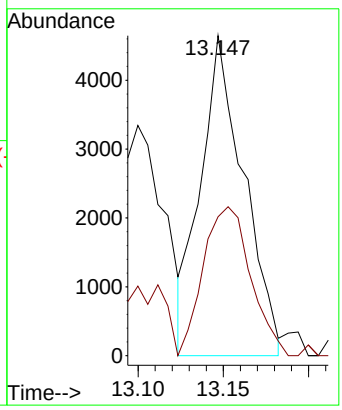
Tgt Ion:105 Resp: 821

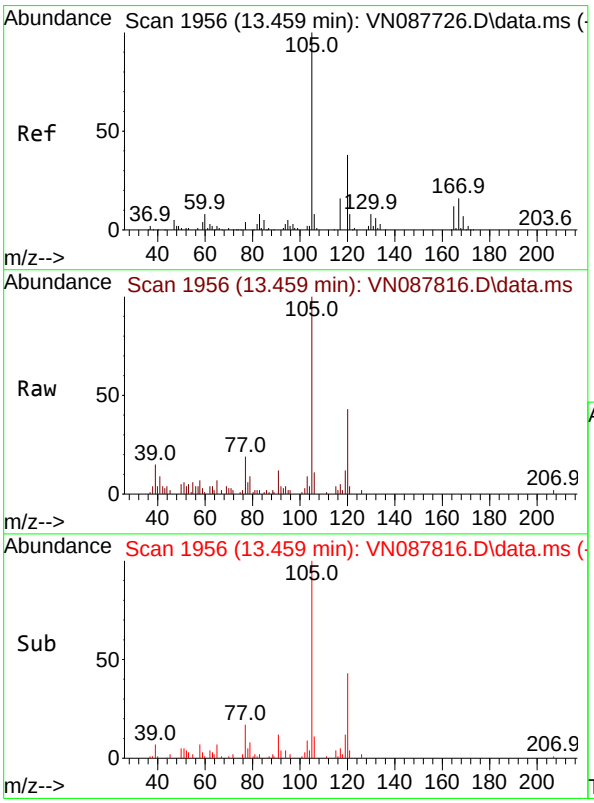
Ion	Ratio	Lower	Upper
105	100		
120	50.9	0.0	92.6

Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

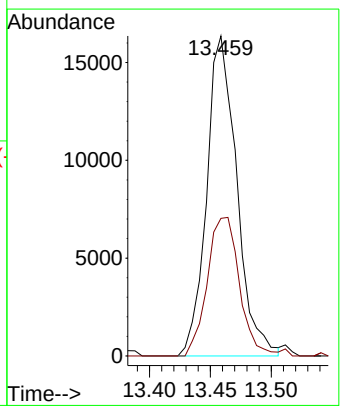


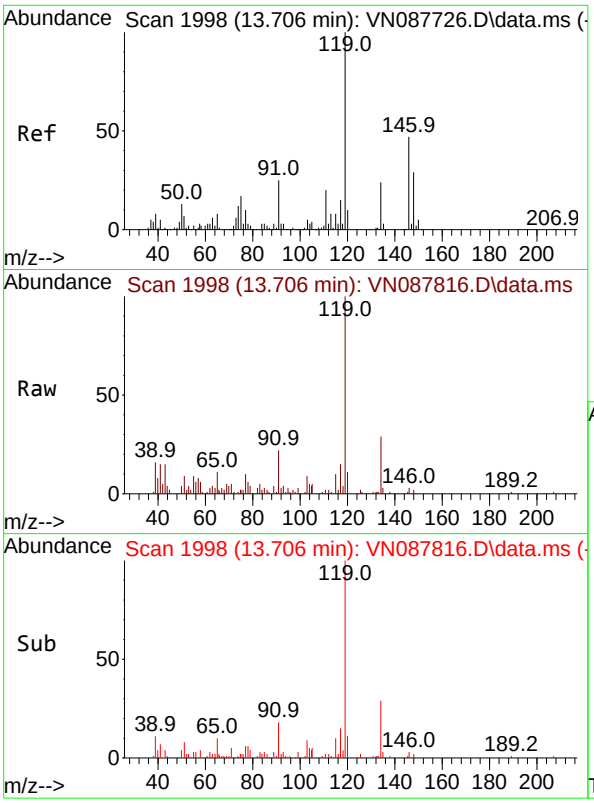


#80
1,2,4-Trimethylbenzene
Concen: 2.087 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:105 Resp: 28180

Ion	Ratio	Lower	Upper
105	100		
120	46.2	0.0	86.6

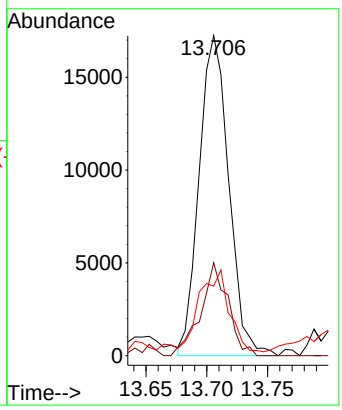




#82
p-Isopropyltoluene
Concen: 2.186 ug/l
RT: 13.706 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:119 Resp: 2921

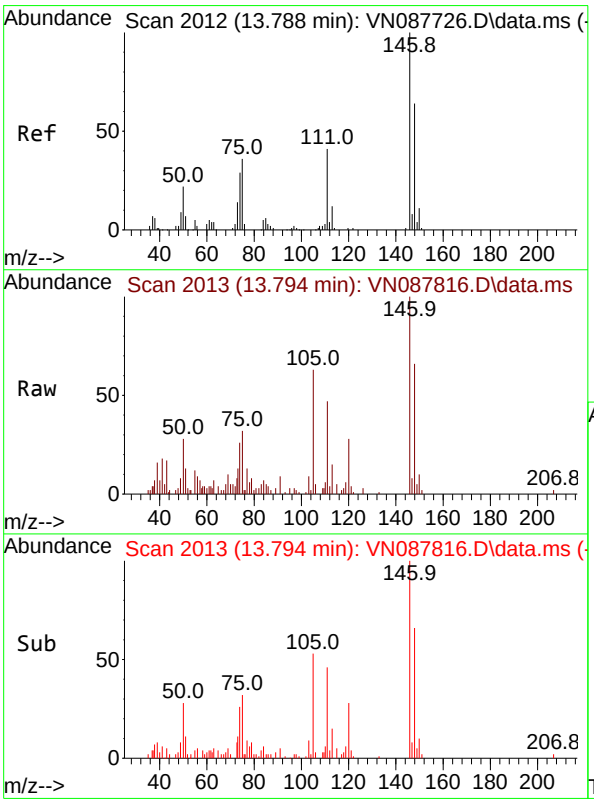
Ion	Ratio	Lower	Upper
119	100		
134	26.7	0.0	49.4
91	11.7	0.0	52.2



Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

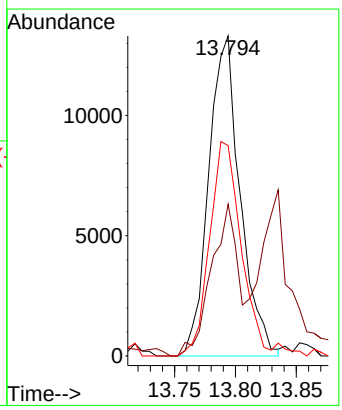
Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

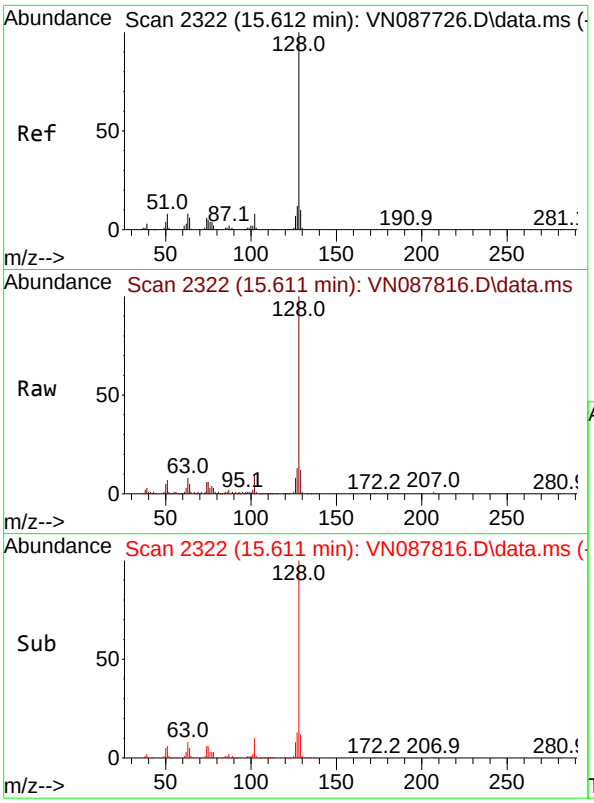


#84
1,4-Dichlorobenzene
Concen: 3.242 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.006 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:146 Resp: 23903

Ion	Ratio	Lower	Upper
146	100		
111	39.5	20.2	60.5
148	66.7	31.5	94.5

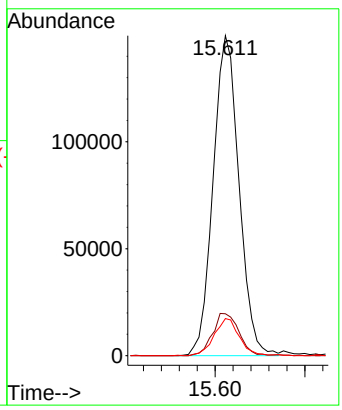




#91
Naphthalene
Concen: 20.608 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087816.D
Acq: 12 Sep 2025 12:40

Tgt Ion:128 Resp: 29940

Ion	Ratio	Lower	Upper
128	100		
127	13.4	10.2	15.4
129	11.3	8.3	12.5



Instrument :
MSVOA_N
ClientSampleId :
250910074-01-VOA

Manual Integrations
APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Raw Data: **VN087815.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:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087815.D	1	09/12/25 12:19	VN091225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.3		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	28.2		91 - 112	94%	SPK: 30
460-00-4	4-Bromofluorobenzene	24.8		63 - 112	83%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	47700	7.8			
540-36-3	1,4-Difluorobenzene	237000	9.083			
3114-55-4	Chlorobenzene-d5	222000	11.847			

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

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

Sample Results: **VN087815.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087815.D
Acq On : 12 Sep 2025 12:19
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 22:52:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

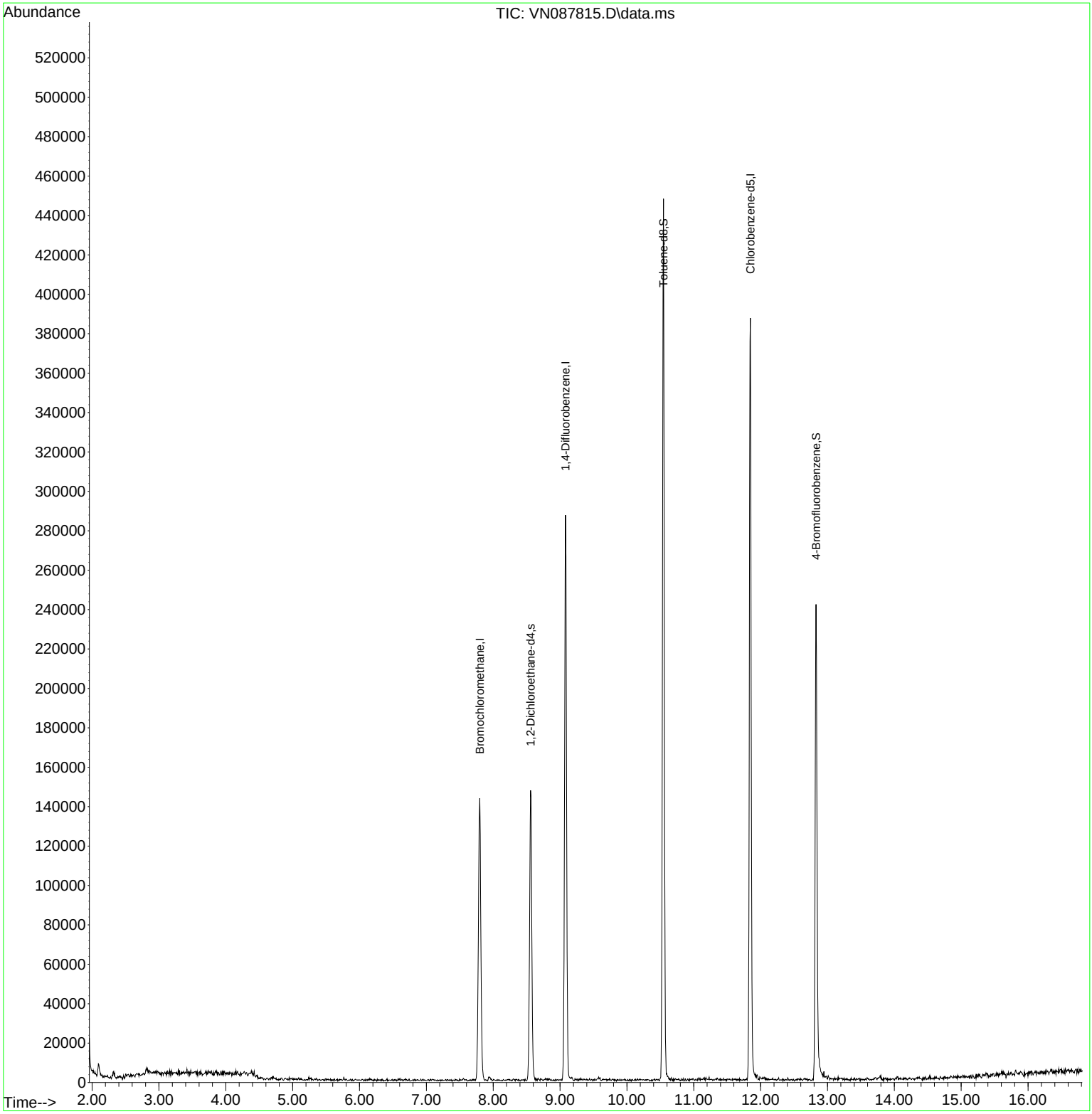
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	47676	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	237316	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	222106	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	119123	29.250	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.500%			
60) 4-Bromofluorobenzene	12.829	95	88528	24.789	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 82.633%			
63) Toluene-d8	10.547	98	291437	28.215	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 94.067%			
Target Compounds						Qvalue

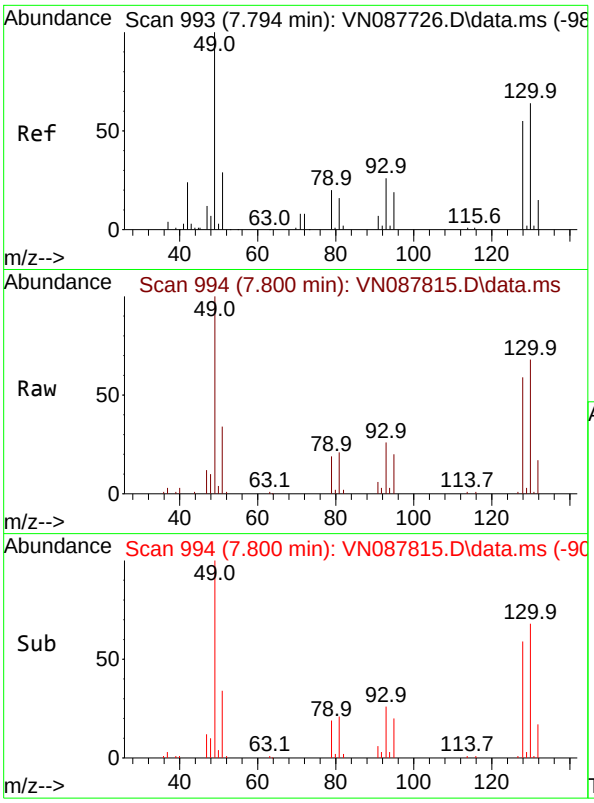
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087815.D
Acq On : 12 Sep 2025 12:19
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 22:52:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration



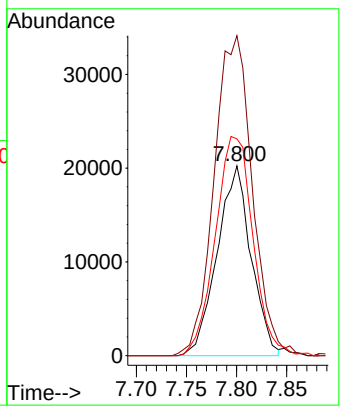


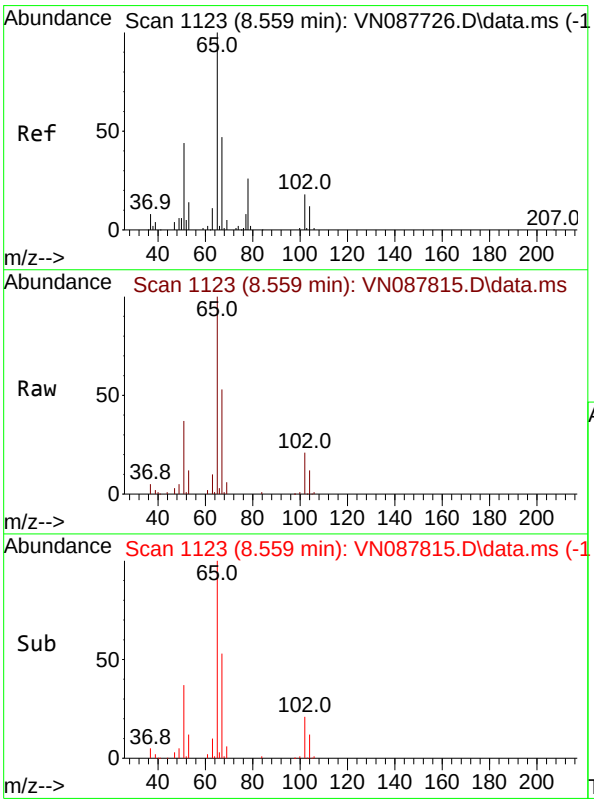
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

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

Tgt Ion:128 Resp: 47676

Ion	Ratio	Lower	Upper
128	100		
49	189.6	0.0	464.3
130	128.5	0.0	300.5

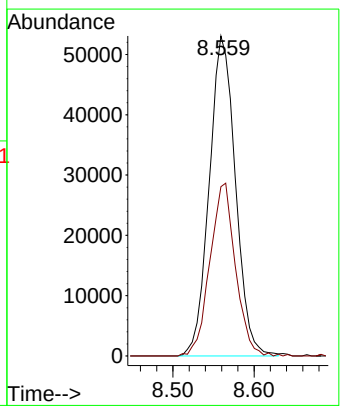


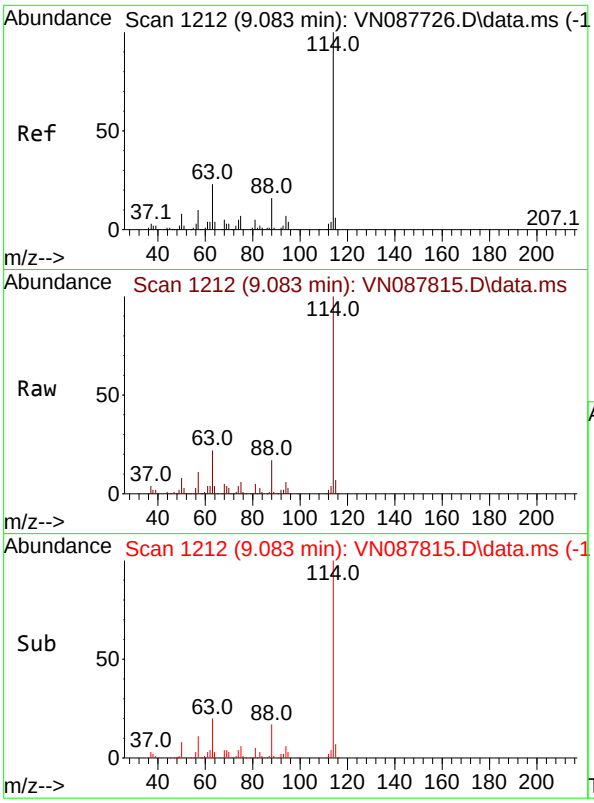


#27
1,2-Dichloroethane-d4
Concen: 29.250 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion: 65 Resp: 119123

Ion	Ratio	Lower	Upper
65	100		
67	52.6	39.6	59.4



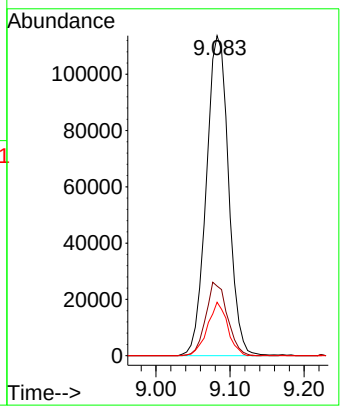


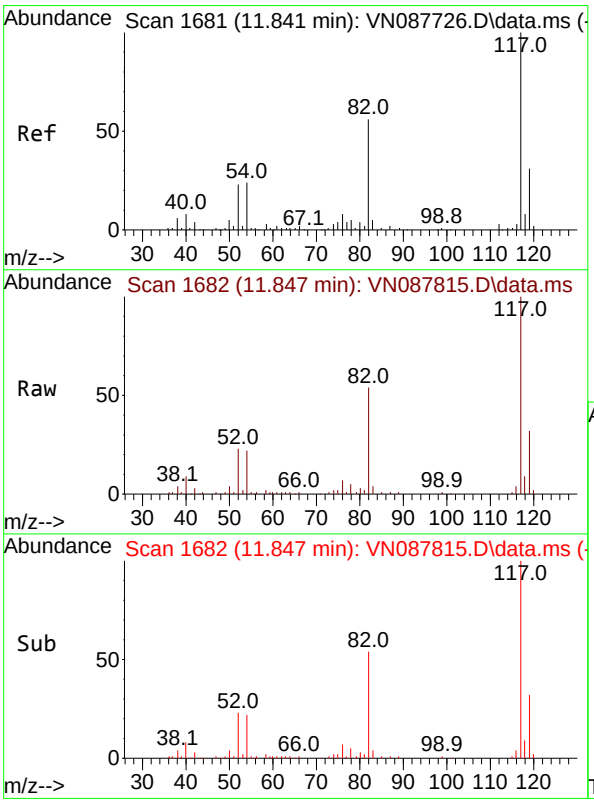
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

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

Tgt Ion:114 Resp: 237316

Ion	Ratio	Lower	Upper
114	100		
63	22.2	18.3	27.5
88	15.1	12.4	18.6

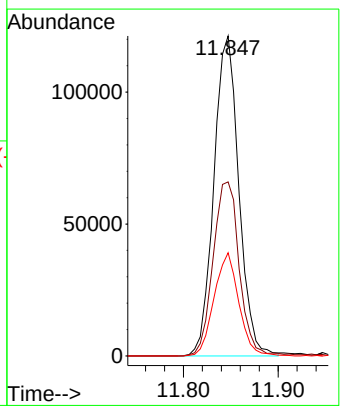


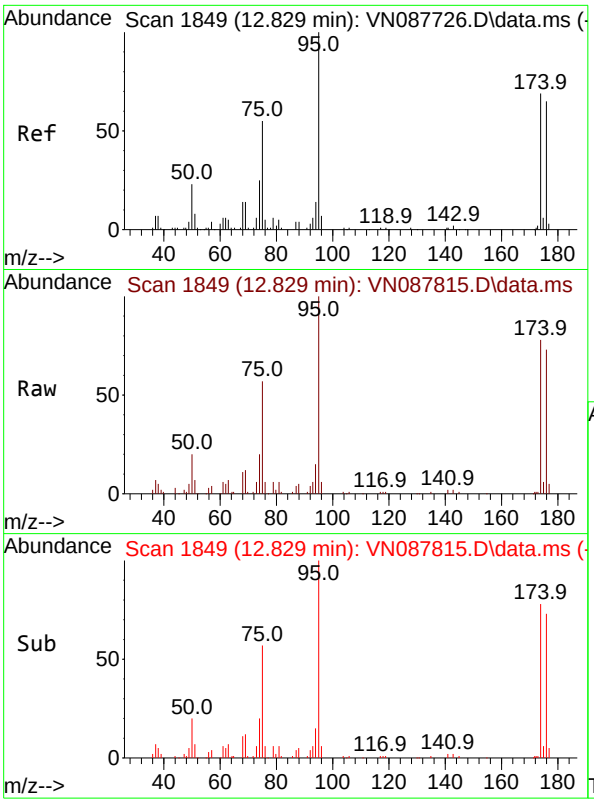


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion:117 Resp: 222106

Ion	Ratio	Lower	Upper
117	100		
82	56.6	45.9	68.9
119	31.9	25.3	37.9



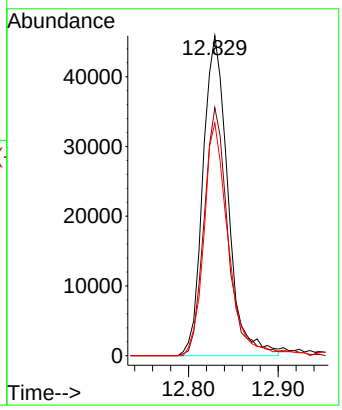


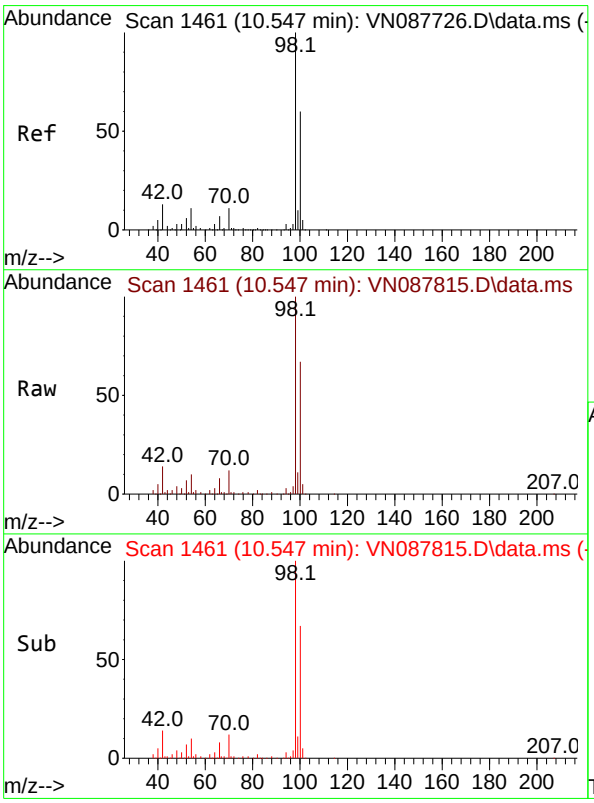
#60
4-Bromofluorobenzene
Concen: 24.789 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

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

Tgt Ion: 95 Resp: 88528

Ion	Ratio	Lower	Upper
95	100		
174	74.2	55.4	83.0
176	70.0	51.5	77.3

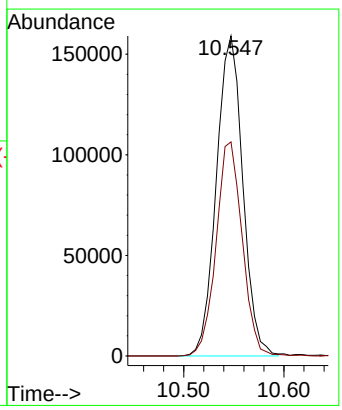




#63
Toluene-d8
Concen: 28.215 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087815.D
Acq: 12 Sep 2025 12:19

Tgt Ion: 98 Resp: 291437

Ion	Ratio	Lower	Upper
98	100		
100	66.0	50.6	76.0



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG No.: Q3078

Instrument ID: MSVOA_N Calibration Date(s): 09/04/2025 09/04/2025

Heated Purge: (Y/N) N Calibration Time(s): 16:23 17:46

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

LAB FILE ID: RRF005 = VN087725.D RRF020 = VN087726.D RRF050 = VN087727.D
RRF100 = VN087728.D RRF150 = VN087729.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Acrolein	0.523	0.431	0.496	0.518	0.518		0.497	7.7
Acrylonitrile	1.167	1.051	1.253	1.274	1.263		1.202	7.9
1,2-Dichloroethane-d4	2.618	2.509	2.604	2.499	2.583		2.563	2.2
Toluene-d8	1.403	1.411	1.392	1.402	1.369		1.395	1.2
4-Bromofluorobenzene	0.454	0.489	0.475	0.501	0.492		0.482	3.8

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

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:	09/12/2025	10:04	
Lab File ID:	VN087811.D	Init. Calib. Date(s):	09/04/2025	09/04/2025	
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	16:23	17:46	

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Acrolein	0.497	0.474		-4.63	
Acrylonitrile	1.202	0.967		-19.55	
1,2-Dichloroethane-d4	2.563	2.485	0.01	-3.04	
Toluene-d8	1.395	1.380	0.01	-1.08	
4-Bromofluorobenzene	0.482	0.491	0.2	1.87	

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\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	60784	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	303424	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	286682	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	151019	29.085	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 96.933%				
60) 4-Bromofluorobenzene	12.823	95	140888	30.564	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.867%				
63) Toluene-d8	10.547	98	395502	29.665	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.900%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.148	85	65399	17.311	ug/l		93
3) Chloromethane	2.383	50	63571	16.030	ug/l		98
4) Vinyl Chloride	2.536	62	73556	16.408	ug/l		91
5) Bromomethane	2.983	94	34972	13.298	ug/l		87
6) Chloroethane	3.136	64	46438	15.156	ug/l	#	86
7) Trichlorofluoromethane	3.512	101	111490	16.967	ug/l	#	84
8) Diethyl Ether	3.965	74	43275	15.596	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.365	101	60106	16.888	ug/l		60
10) 1,1-Dichloroethene	4.336	96	59702	16.270	ug/l		86
11) Methyl Iodide	4.577	142	30279m	11.657	ug/l		
12) Methyl Acetate	5.018	43	94087	16.633	ug/l		99
13) Acrolein	4.177	56	96064m	95.383	ug/l		
14) Acrylonitrile	5.706	53	195852	80.440	ug/l		98
15) Acetone	4.418	58	64299	84.655	ug/l		89
16) Carbon Disulfide	4.700	76	172763	17.148	ug/l	#	93
17) Allyl chloride	5.012	41	98716	16.471	ug/l		96
18) Methylene Chloride	5.259	84	69382	16.692	ug/l		87
19) trans-1,2-Dichloroethene	5.777	96	62759	16.770	ug/l		91
20) Diisopropyl ether	6.659	45	217984	15.816	ug/l		95
21) 1,1-Dichloroethane	6.547	63	123875	16.412	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	73827	16.252	ug/l		96
23) tert-Butyl Alcohol	5.530	59	67900	78.891	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	215930	16.483	ug/l	#	81
25) Chloroform	7.947	83	130701	16.544	ug/l		97
26) Cyclohexane	8.230	56	94965	16.522	ug/l	#	98
29) 1,1-Dichloropropene	8.359	75	81944	16.617	ug/l		98
30) 2-Butanone	7.465	43	284761	83.828	ug/l		98
31) 2,2-Dichloropropane	7.471	77	108005	18.169	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	105895	16.939	ug/l		99
33) Carbon Tetrachloride	8.347	117	87831	16.849	ug/l		91
34) Benzene	8.588	78	267682	16.796	ug/l	#	93
35) Methacrylonitrile	7.765	41	62901	17.703	ug/l		97
36) 1,2-Dichloroethane	8.653	62	101452	16.853	ug/l		99
37) Trichloroethene	9.335	130	63376	17.789	ug/l		94
38) Methylcyclohexane	9.582	83	93927	17.298	ug/l		97
39) 1,2-Dichloropropane	9.600	63	68081	16.679	ug/l		95
40) Dibromomethane	9.688	93	53122	17.488	ug/l		98
41) Bromodichloromethane	9.871	83	107797	17.362	ug/l		98
42) Vinyl Acetate	6.589	43	903232	79.581	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	117417	16.918	ug/l		95
44) Isopropyl Acetate	8.671	43	175405	16.122	ug/l		99
45) 1,4-Dioxane	9.682	88	24502	357.098	ug/l		92
46) Methyl methacrylate	9.665	41	68329	13.625	ug/l		98
47) n-amyl Acetate	12.541	43	95971m	13.053	ug/l		
48) t-1,3-Dichloropropene	10.818	75	106559	16.525	ug/l		98
49) cis-1,3-Dichloropropene	10.288	75	111066	16.816	ug/l		92
50) 1,1,2-Trichloroethane	10.994	97	69186	17.634	ug/l		95
51) Ethyl methacrylate	10.859	69	93517	15.316	ug/l		97
52) 1,3-Dichloropropane	11.141	76	115632	16.972	ug/l		99
53) Dibromochloromethane	11.335	129	76459	17.380	ug/l		88
54) 1,2-Dibromoethane	11.447	107	68179	16.700	ug/l		95
55) 2-Chloroethyl vinyl ether	10.141	63	327174	93.520	ug/l		98
56) Bromoform	12.559	173	47879	16.666	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.424	43	561146	82.782	ug/l		99
59) 2-Hexanone	11.176	43	354546	80.044	ug/l		99
61) Tetrachloroethene	11.082	164	51713	18.118	ug/l		96
62) Toluene	10.606	91	290761	16.767	ug/l		99
64) Chlorobenzene	11.871	112	182160	17.115	ug/l		92
65) 1,1,1,2-Tetrachloroethane	11.935	131	66968	17.872	ug/l		93
66) Ethyl Benzene	11.941	91	314142	16.792	ug/l		97
67) m/p-Xylenes	12.047	106	232560	33.488	ug/l		95
68) o-Xylene	12.376	106	113988	16.929	ug/l		100
69) Styrene	12.394	104	190780	16.302	ug/l		99
70) Isopropylbenzene	12.676	105	289180	16.938	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	104036	16.950	ug/l		98
72) 1,2,3-Trichloropropane	12.970	75	97739m	16.218	ug/l		
73) Bromobenzene	12.959	156	71391	17.091	ug/l		93
74) n-propylbenzene	13.012	91	367468	17.059	ug/l		100
75) 2-Chlorotoluene	13.106	91	216456	16.695	ug/l		95
76) 1,3,5-Trimethylbenzene	13.147	105	244576	16.964	ug/l		96
77) t-1,4-Dichloro-2-butene	12.718	75	29221	14.366	ug/l		96
78) 4-Chlorotoluene	13.200	91	216873	16.592	ug/l		99
79) tert-butylbenzene	13.418	119	209027	17.312	ug/l		95
80) 1,2,4-Trimethylbenzene	13.459	105	251821	17.037	ug/l		97
81) sec-Butylbenzene	13.594	105	311772	17.555	ug/l		98
82) p-Isopropyltoluene	13.706	119	257669	17.609	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	142868	17.741	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	143919	17.830	ug/l		97
85) n-Butylbenzene	14.035	91	252867	17.978	ug/l		98
86) Hexachloroethane	14.312	117	51642	17.375	ug/l		100
87) 1,2-Dichlorobenzene	14.082	146	137930	18.161	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	21522	15.801	ug/l		85
89) 1,2,4-Trichlorobenzene	15.811	180	76825	17.784	ug/l		97
90) Hexachlorobutadiene	15.476	225	31231	21.566	ug/l		91
91) Naphthalene	15.611	128	257449	16.188	ug/l		98
92) 1,2,3-Trichlorobenzene	15.811	180	76825	17.784	ug/l		97

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

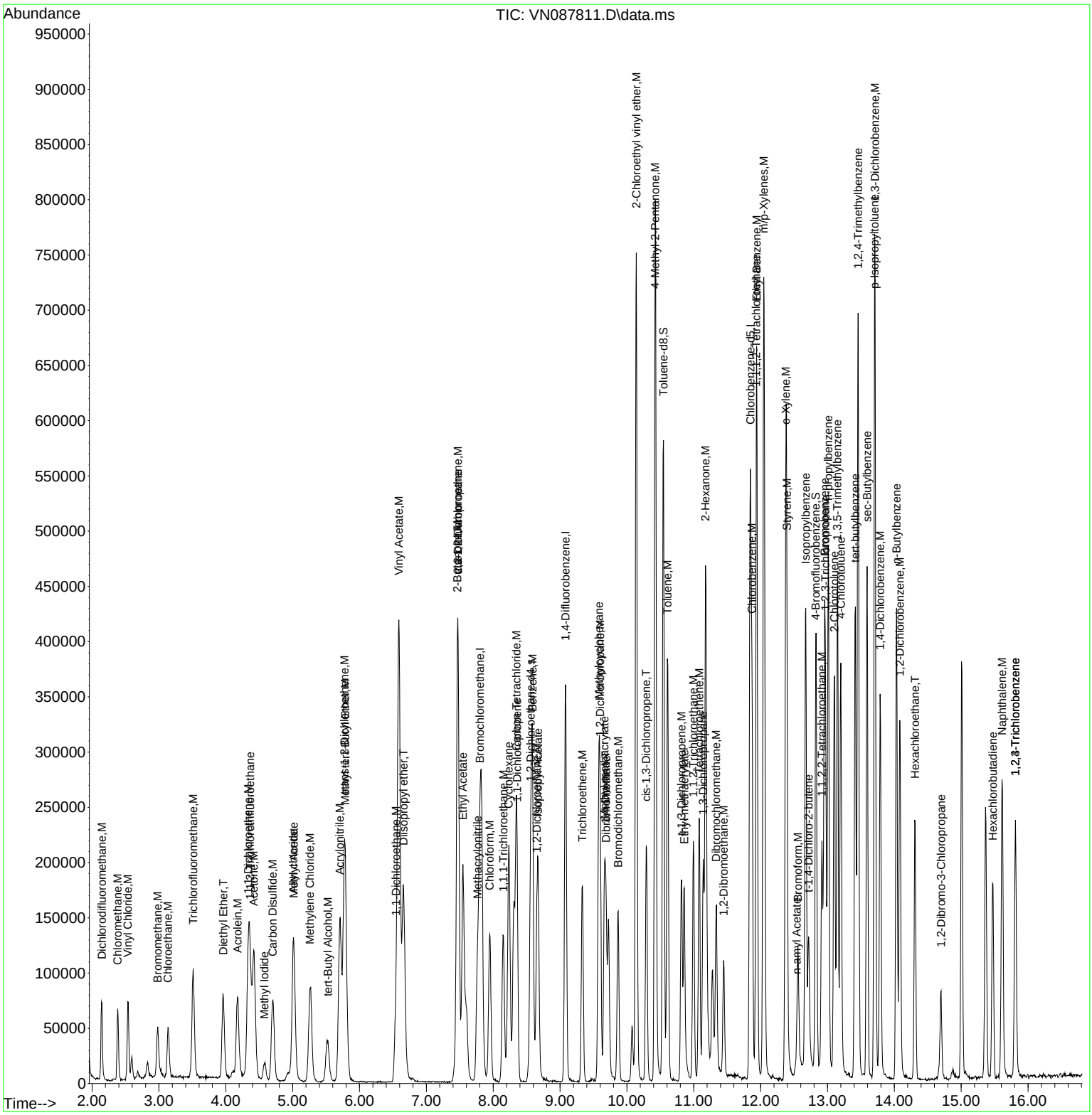
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025



Sample Results: **VN087811.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 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	Bromochloromethane	1.000	1.000	0.0	142	0.00
2	M	Dichlorodifluoromethane	1.865	1.614	13.5	131	0.00
3	M	Chloromethane	1.957	1.569	19.8	124	0.00
4	M	Vinyl Chloride	2.213	1.815	18.0	129	0.00
5	M	Bromomethane	1.298	0.863	33.5#	111	0.00
6	M	Chloroethane	1.512	1.146	24.2	120	0.00
7	M	Trichlorofluoromethane	3.243	2.751	15.2	135	0.00
8	T	Diethyl Ether	1.370	1.068	22.0	130	0.01
9		1,1,2-Trichlorotrifluoroeth	1.757	1.483	15.6	132	0.00
10	M	1,1-Dichloroethene	1.811	1.473	18.7	133	0.00
11		Methyl Iodide	1.282	0.747	41.7#	113	0.00
12		Methyl Acetate	2.792	2.322	16.8	130	0.00
13	M	Acrolein	0.497	0.474	4.6	156#	0.00
14	M	Acrylonitrile	1.202	0.967	19.6	131	-0.01
15	M	Acetone	0.375	0.317	15.5	141	-0.01
16	M	Carbon Disulfide	4.972	4.263	14.3	139	0.00
17		Allyl chloride	2.958	2.436	17.6	136	0.00
18	M	Methylene Chloride	2.052	1.712	16.6	138	0.00
19	M	trans-1,2-Dichloroethene	1.847	1.549	16.1	133	0.00
20	T	Diisopropyl ether	6.802	5.379	20.9	129	0.00
21	M	1,1-Dichloroethane	3.725	3.057	17.9	132	0.00
22	M	cis-1,2-Dichloroethene	2.242	1.822	18.7	130	0.00
23	M	tert-Butyl Alcohol	0.425	0.335	21.2	124	0.00
24	M	Methyl tert-Butyl Ether	6.466	5.329	17.6	137	0.00
25	M	Chloroform	3.899	3.225	17.3	131	0.00
26		Cyclohexane	2.837	2.344	17.4	136	-0.01
27	s	1,2-Dichloroethane-d4	2.563	2.485	3.0	141	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	143	0.00
29		1,1-Dichloropropene	0.488	0.405	17.0	130	0.00
30	M	2-Butanone	0.336	0.282	16.1	133	0.00
31		2,2-Dichloropropane	0.588	0.534	9.2	155#	0.00
32	M	1,1,1-Trichloroethane	0.618	0.524	15.2	129	0.00
33	M	Carbon Tetrachloride	0.515	0.434	15.7	134	0.00
34	M	Benzene	1.576	1.323	16.1	132	0.00
35		Methacrylonitrile	0.351	0.311	11.4	130	0.00
36	M	1,2-Dichloroethane	0.595	0.502	15.6	130	0.00
37	M	Trichloroethene	0.352	0.313	11.1	139	0.00
38		Methylcyclohexane	0.537	0.464	13.6	140	0.00
39	M	1,2-Dichloropropane	0.404	0.337	16.6	129	0.00
40		Dibromomethane	0.300	0.263	12.3	137	0.00
41	M	Bromodichloromethane	0.614	0.533	13.2	134	0.00
42	M	Vinyl Acetate	1.122	0.893	20.4	128	0.00
43		Ethyl Acetate	0.686	0.580	15.5	129	0.00
44		Isopropyl Acetate	1.076	0.867	19.4	125	0.00
45	T	1,4-Dioxane	0.007	0.006	14.3	131	0.00
46		Methyl methacrylate	0.496	0.338	31.9#	109	0.00
47		n-amyl Acetate	0.727	0.474	34.8#	131	-0.13
48	M	t-1,3-Dichloropropene	0.638	0.527	17.4	136	0.00

Sample Results: **VN087811.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 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	cis-1,3-Dichloropropene	0.653	0.549	15.9	139	0.00
50	M	1,1,2-Trichloroethane	0.388	0.342	11.9	139	0.00
51		Ethyl methacrylate	0.604	0.462	23.5	129	0.00
52		1,3-Dichloropropane	0.674	0.572	15.1	132	0.00
53	M	Dibromochloromethane	0.435	0.378	13.1	147	0.00
54	M	1,2-Dibromoethane	0.404	0.337	16.6	133	0.00
55	M	2-Chloroethyl vinyl ether	0.346	0.323	6.6	145	0.00
56	M	Bromoform	0.284	0.237	16.5	140	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	145	0.00
58	M	4-Methyl-2-Pentanone	0.709	0.587	17.2	130	0.00
59	M	2-Hexanone	0.464	0.371	20.0	128	0.00
60	S	4-Bromofluorobenzene	0.482	0.491	-1.9	145	0.00
61	M	Tetrachloroethene	0.299	0.271	9.4	140	0.00
62	M	Toluene	1.815	1.521	16.2	132	0.00
63	S	Toluene-d8	1.395	1.380	1.1	141	0.00
64	M	Chlorobenzene	1.114	0.953	14.5	137	0.00
65		1,1,1,2-Tetrachloroethane	0.392	0.350	10.7	143	0.00
66	M	Ethyl Benzene	1.958	1.644	16.0	136	0.00
67	M	m/p-Xylenes	0.727	0.608	16.4	137	0.00
68	M	o-Xylene	0.705	0.596	15.5	135	0.00
69	M	Styrene	1.225	0.998	18.5	134	0.00
70		Isopropylbenzene	1.787	1.513	15.3	141	0.00
71	M	1,1,2,2-Tetrachloroethane	0.642	0.544	15.3	130	0.00
72		1,2,3-Trichloropropane	0.631	0.511	19.0	116	0.00
73		Bromobenzene	0.437	0.374	14.4	137	0.00
74		n-propylbenzene	2.254	1.923	14.7	138	0.00
75		2-Chlorotoluene	1.357	1.133	16.5	132	0.00
76		1,3,5-Trimethylbenzene	1.509	1.280	15.2	137	0.00
77		t-1,4-Dichloro-2-butene	0.213	0.153	28.2#	121	0.00
78		4-Chlorotoluene	1.368	1.135	17.0	130	0.00
79		tert-butylbenzene	1.263	1.094	13.4	140	0.00
80		1,2,4-Trimethylbenzene	1.547	1.318	14.8	136	0.00
81		sec-Butylbenzene	1.858	1.631	12.2	141	0.00
82		p-Isopropyltoluene	1.531	1.348	12.0	143	0.00
83	M	1,3-Dichlorobenzene	0.843	0.748	11.3	137	0.00
84	M	1,4-Dichlorobenzene	0.845	0.753	10.9	140	0.00
85		n-Butylbenzene	1.472	1.323	10.1	149	0.00
86	T	Hexachloroethane	0.311	0.270	13.2	136	0.00
87	M	1,2-Dichlorobenzene	0.795	0.722	9.2	142	0.00
88		1,2-Dibromo-3-Chloropropane	0.143	0.113	21.0	117	0.00
89		1,2,4-Trichlorobenzene	0.452	0.402	11.1	145	0.00
90		Hexachlorobutadiene	0.152	0.163	-7.2	162#	0.00
91	M	Naphthalene	1.664	1.347	19.1	135	0.00
92		1,2,3-Trichlorobenzene	0.452	0.402	11.1	145	0.00

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

Sample Results: **VN087811.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 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	Bromochloromethane	30.000	30.000	0.0	142	0.00
2	M	Dichlorodifluoromethane	20.000	17.311	13.4	131	0.00
3	M	Chloromethane	20.000	16.030	19.8	124	0.00
4	M	Vinyl Chloride	20.000	16.408	18.0	129	0.00
5	M	Bromomethane	20.000	13.298	33.5#	111	0.00
6	M	Chloroethane	20.000	15.156	24.2	120	0.00
7	M	Trichlorofluoromethane	20.000	16.967	15.2	135	0.00
8	T	Diethyl Ether	20.000	15.596	22.0	130	0.01
9		1,1,2-Trichlorotrifluoroeth	20.000	16.888	15.6	132	0.00
10	M	1,1-Dichloroethene	20.000	16.270	18.7	133	0.00
11		Methyl Iodide	20.000	11.657	41.7#	113	0.00
12		Methyl Acetate	20.000	16.633	16.8	130	0.00
13	M	Acrolein	100.000	95.383	4.6	156	0.00
14	M	Acrylonitrile	100.000	80.440	19.6	131	-0.01
15	M	Acetone	100.000	84.655	15.3	141	-0.01
16	M	Carbon Disulfide	20.000	17.148	14.3	139	0.00
17		Allyl chloride	20.000	16.471	17.6	136	0.00
18	M	Methylene Chloride	20.000	16.692	16.5	138	0.00
19	M	trans-1,2-Dichloroethene	20.000	16.770	16.2	133	0.00
20	T	Diisopropyl ether	20.000	15.816	20.9	129	0.00
21	M	1,1-Dichloroethane	20.000	16.412	17.9	132	0.00
22	M	cis-1,2-Dichloroethene	20.000	16.252	18.7	130	0.00
23	M	tert-Butyl Alcohol	100.000	78.891	21.1	124	0.00
24	M	Methyl tert-Butyl Ether	20.000	16.483	17.6	137	0.00
25	M	Chloroform	20.000	16.544	17.3	131	0.00
26		Cyclohexane	20.000	16.522	17.4	136	-0.01
27	s	1,2-Dichloroethane-d4	30.000	29.085	3.0	141	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	143	0.00
29		1,1-Dichloropropene	20.000	16.617	16.9	130	0.00
30	M	2-Butanone	100.000	83.828	16.2	133	0.00
31		2,2-Dichloropropane	20.000	18.169	9.2	155	0.00
32	M	1,1,1-Trichloroethane	20.000	16.939	15.3	129	0.00
33	M	Carbon Tetrachloride	20.000	16.849	15.8	134	0.00
34	M	Benzene	20.000	16.796	16.0	132	0.00
35		Methacrylonitrile	20.000	17.703	11.5	130	0.00
36	M	1,2-Dichloroethane	20.000	16.853	15.7	130	0.00
37	M	Trichloroethene	20.000	17.789	11.1	139	0.00
38		Methylcyclohexane	20.000	17.298	13.5	140	0.00
39	M	1,2-Dichloropropane	20.000	16.679	16.6	129	0.00
40		Dibromomethane	20.000	17.488	12.6	137	0.00
41	M	Bromodichloromethane	20.000	17.362	13.2	134	0.00
42	M	Vinyl Acetate	100.000	79.581	20.4	128	0.00
43		Ethyl Acetate	20.000	16.918	15.4	129	0.00
44		Isopropyl Acetate	20.000	16.122	19.4	125	0.00
45	T	1,4-Dioxane	400.000	357.098	10.7	131	0.00
46		Methyl methacrylate	20.000	13.625	31.9#	109	0.00
47		n-amyl Acetate	20.000	13.053	34.7#	131	-0.13
48	M	t-1,3-Dichloropropene	20.000	16.525	17.4	136	0.00

Sample Results: **VN087811.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087811.D
Acq On : 12 Sep 2025 10:04
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Sep 12 22:49:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 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	cis-1,3-Dichloropropene	20.000	16.816	15.9	139	0.00
50	M	1,1,2-Trichloroethane	20.000	17.634	11.8	139	0.00
51		Ethyl methacrylate	20.000	15.316	23.4	129	0.00
52		1,3-Dichloropropane	20.000	16.972	15.1	132	0.00
53	M	Dibromochloromethane	20.000	17.380	13.1	147	0.00
54	M	1,2-Dibromoethane	20.000	16.700	16.5	133	0.00
55	M	2-Chloroethyl vinyl ether	100.000	93.520	6.5	145	0.00
56	M	Bromoform	20.000	16.666	16.7	140	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	145	0.00
58	M	4-Methyl-2-Pentanone	100.000	82.782	17.2	130	0.00
59	M	2-Hexanone	100.000	80.044	20.0	128	0.00
60	S	4-Bromofluorobenzene	30.000	30.564	-1.9	145	0.00
61	M	Tetrachloroethene	20.000	18.118	9.4	140	0.00
62	M	Toluene	20.000	16.767	16.2	132	0.00
63	S	Toluene-d8	30.000	29.665	1.1	141	0.00
64	M	Chlorobenzene	20.000	17.115	14.4	137	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.872	10.6	143	0.00
66	M	Ethyl Benzene	20.000	16.792	16.0	136	0.00
67	M	m/p-Xylenes	40.000	33.488	16.3	137	0.00
68	M	o-Xylene	20.000	16.929	15.4	135	0.00
69	M	Styrene	20.000	16.302	18.5	134	0.00
70		Isopropylbenzene	20.000	16.938	15.3	141	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	16.950	15.3	130	0.00
72		1,2,3-Trichloropropane	20.000	16.218	18.9	116	0.00
73		Bromobenzene	20.000	17.091	14.5	137	0.00
74		n-propylbenzene	20.000	17.059	14.7	138	0.00
75		2-Chlorotoluene	20.000	16.695	16.5	132	0.00
76		1,3,5-Trimethylbenzene	20.000	16.964	15.2	137	0.00
77		t-1,4-Dichloro-2-butene	20.000	14.366	28.2#	121	0.00
78		4-Chlorotoluene	20.000	16.592	17.0	130	0.00
79		tert-butylbenzene	20.000	17.312	13.4	140	0.00
80		1,2,4-Trimethylbenzene	20.000	17.037	14.8	136	0.00
81		sec-Butylbenzene	20.000	17.555	12.2	141	0.00
82		p-Isopropyltoluene	20.000	17.609	12.0	143	0.00
83	M	1,3-Dichlorobenzene	20.000	17.741	11.3	137	0.00
84	M	1,4-Dichlorobenzene	20.000	17.830	10.9	140	0.00
85		n-Butylbenzene	20.000	17.978	10.1	149	0.00
86	T	Hexachloroethane	20.000	17.375	13.1	136	0.00
87	M	1,2-Dichlorobenzene	20.000	18.161	9.2	142	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	15.801	21.0	117	0.00
89		1,2,4-Trichlorobenzene	20.000	17.784	11.1	145	0.00
90		Hexachlorobutadiene	20.000	21.566	-7.8	162	0.00
91	M	Naphthalene	20.000	16.188	19.1	135	0.00
92		1,2,3-Trichlorobenzene	20.000	17.784	11.1	145	0.00

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

QC SAMPLE DATA

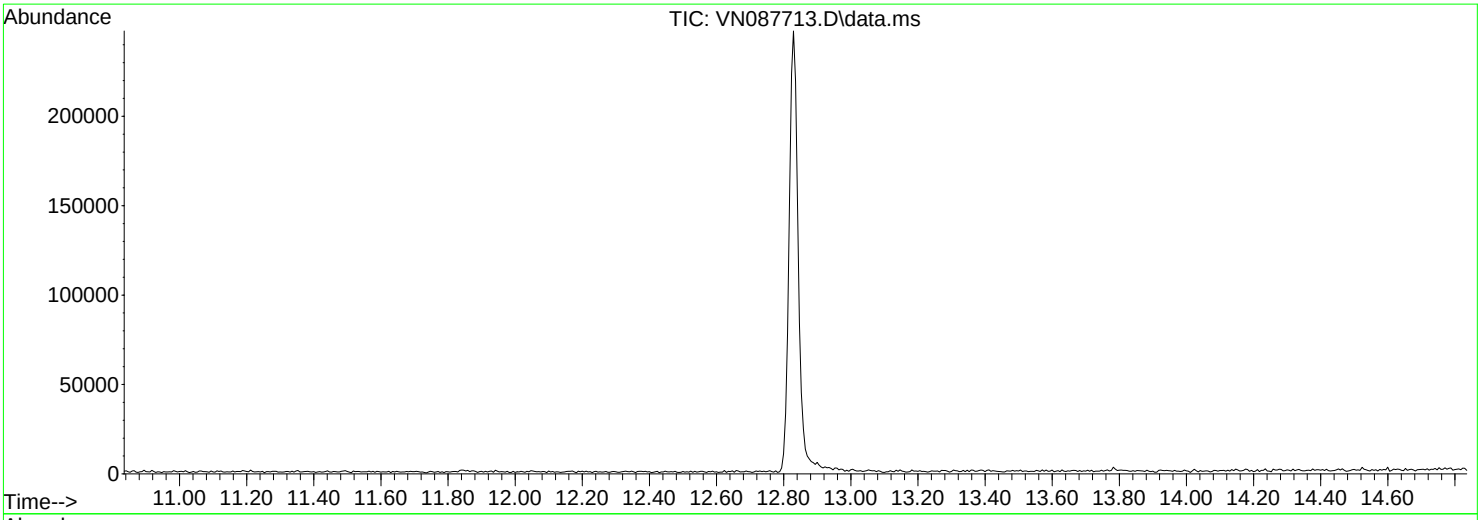
Sample Results: **VN087713.D**

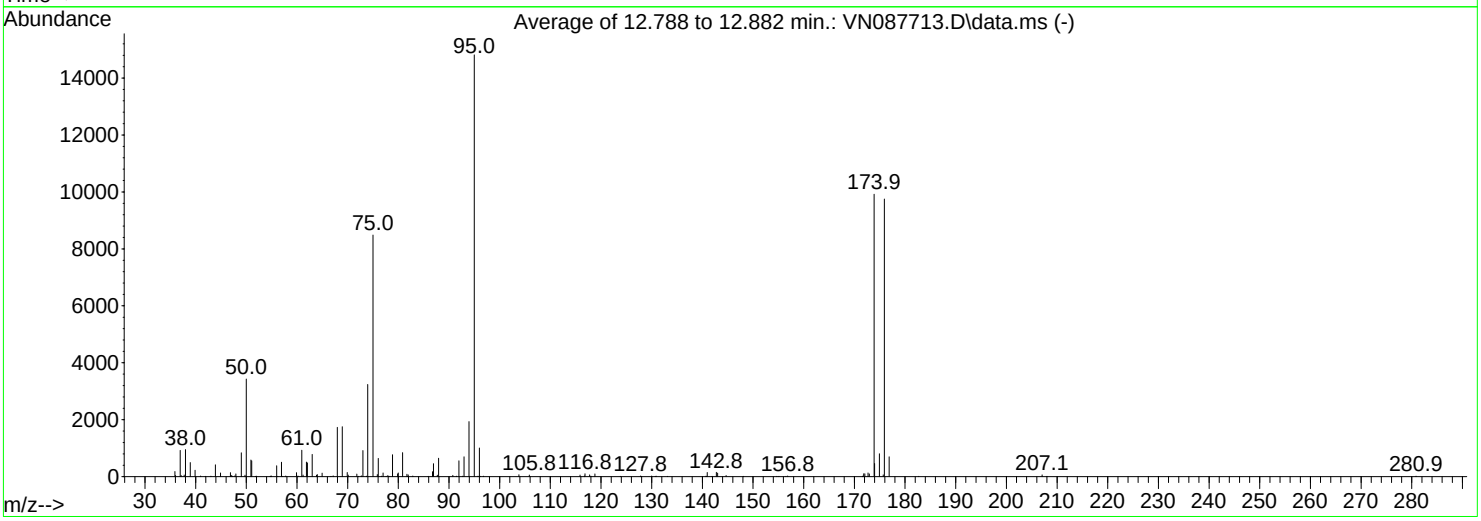
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN090425\
Data File : VN087713.D
Acq On : 04 Sep 2025 10:10
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Sep 05 03:29:53 2025





AutoFind: Averaged scan 1842 to 1858; Bkg corrected with scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.1	3426	PASS
75	95	30	60	57.3	8489	PASS
95	95	100	100	100.0	14815	PASS
96	95	5	9	6.8	1008	PASS
173	174	0.00	2	1.3	131	PASS
174	95	50	100	67.0	9919	PASS
175	174	5	9	8.1	802	PASS
176	174	95	101	98.3	9751	PASS
177	176	5	9	7.1	696	PASS

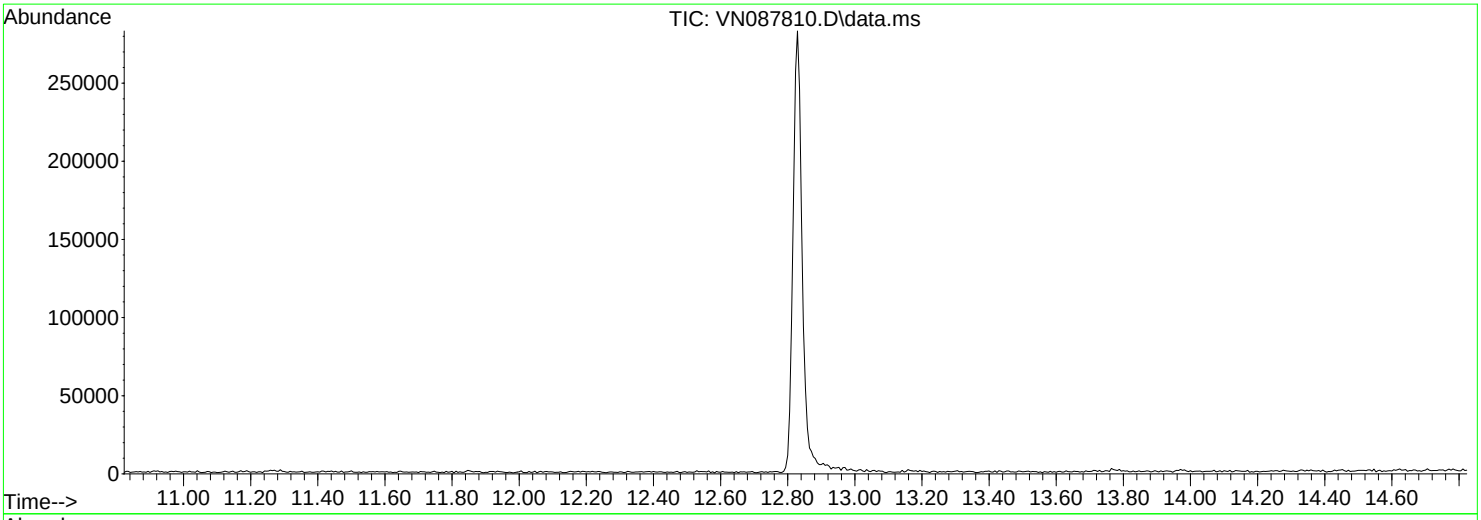
Sample Results: **VN087810.D**

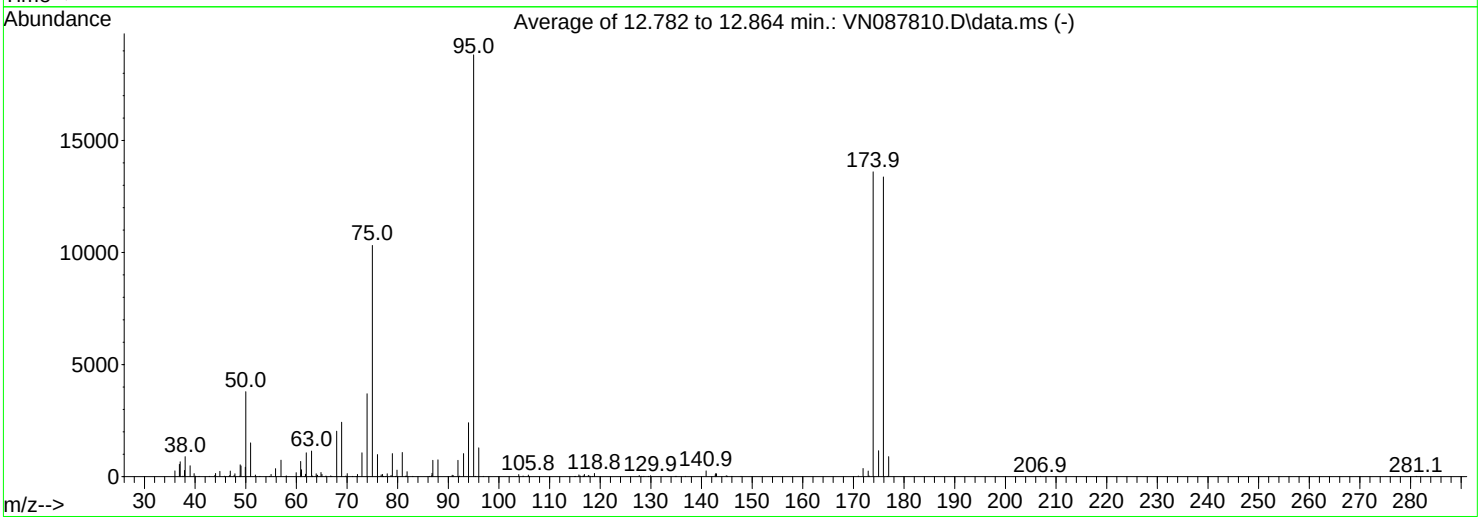
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087810.D
Acq On : 12 Sep 2025 08:23
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Fri Sep 05 03:29:53 2025





AutoFind: Averaged scan 1841 to 1855; Bkg corrected with scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.1	3792	PASS
75	95	30	60	54.8	10319	PASS
95	95	100	100	100.0	18821	PASS
96	95	5	9	6.8	1284	PASS
173	174	0.00	2	1.8	249	PASS
174	95	50	100	72.2	13598	PASS
175	174	5	9	8.5	1158	PASS
176	174	95	101	98.3	13372	PASS
177	176	5	9	6.7	894	PASS

Raw Data: **VN087814.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:	VN0912WBL01	SDG No.:	Q3078
Lab Sample ID:	VN0912WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087814.D	1	09/12/25 11:40	VN091225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	25.9		63 - 112	86%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	57100	7.795			
540-36-3	1,4-Difluorobenzene	280000	9.083			
3114-55-4	Chlorobenzene-d5	254000	11.841			

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\VN091225\
Data File : VN087814.D
Acq On : 12 Sep 2025 11:40
Operator : JC\MD
Sample : VN0912WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBL01

Quant Time: Sep 12 22:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

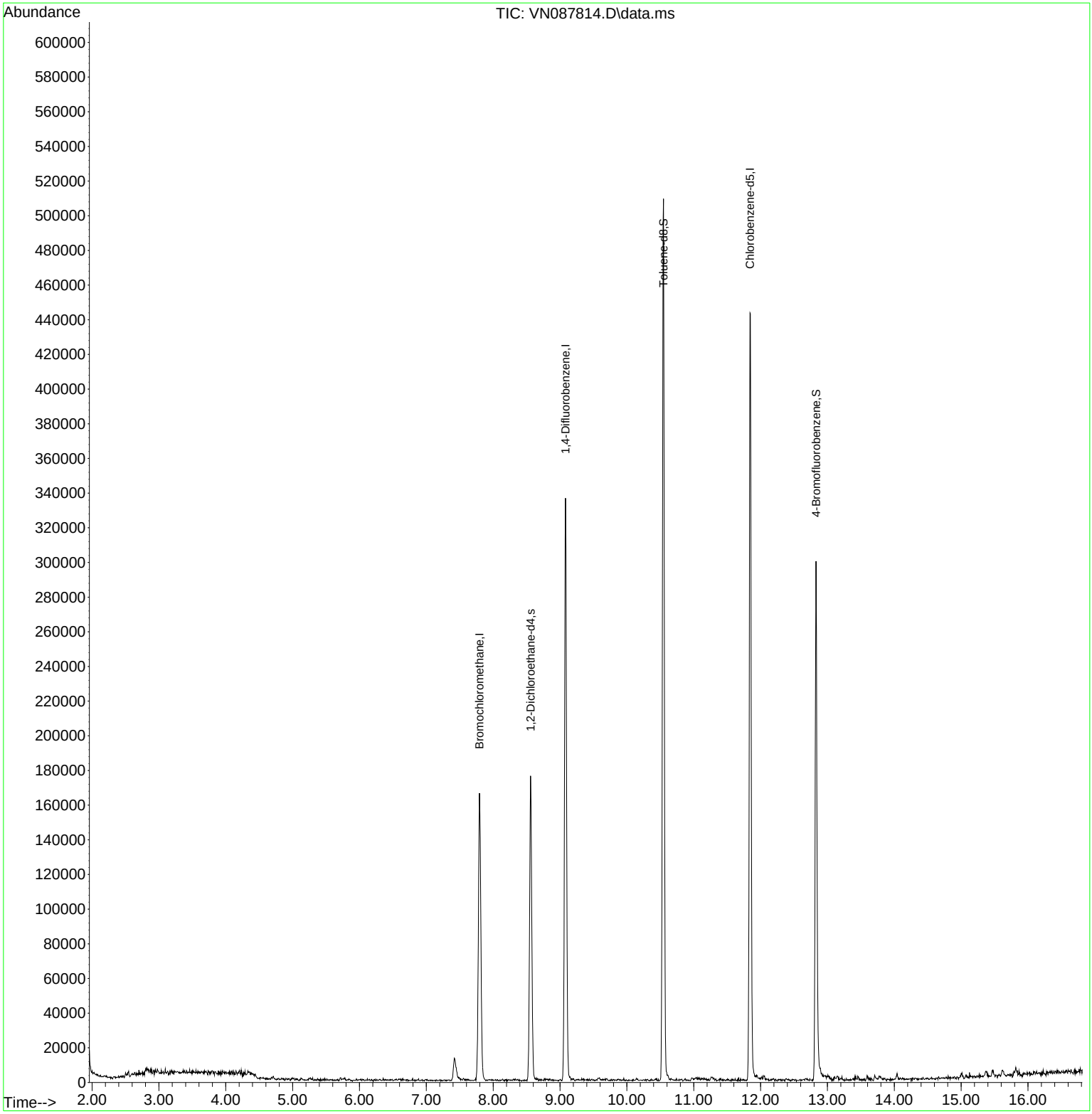
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.795	128	57083	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	279905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	254454	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	142590	29.242	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.467%			
60) 4-Bromofluorobenzene	12.830	95	105772	25.852	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 86.167%			
63) Toluene-d8	10.547	98	349272	29.516	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.400%			
Target Compounds						Qvalue

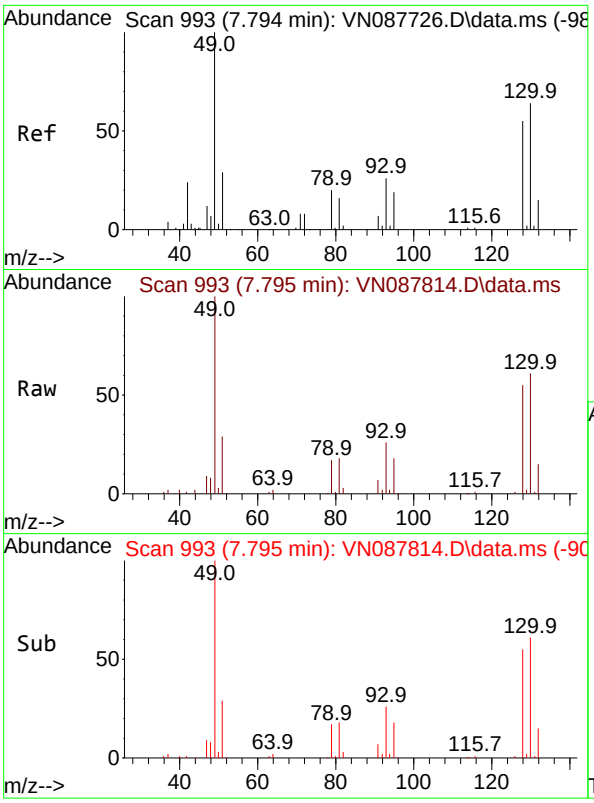
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087814.D
Acq On : 12 Sep 2025 11:40
Operator : JC\MD
Sample : VN0912WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBL01

Quant Time: Sep 12 22:51:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration



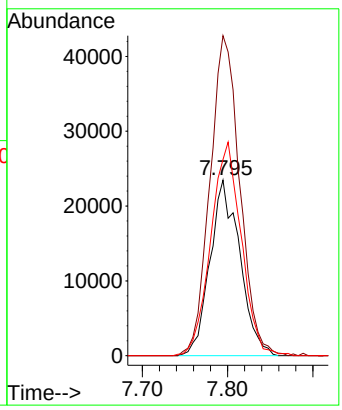


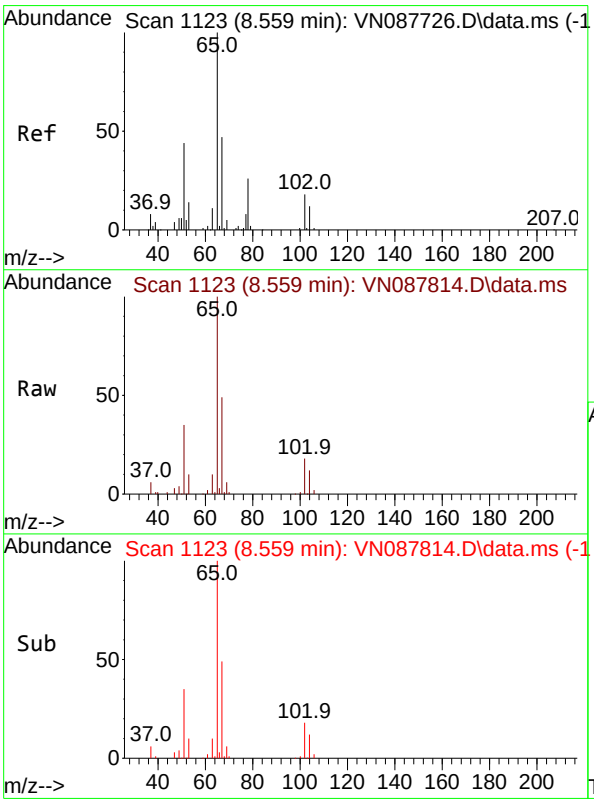
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.795 min Scan# 9
Delta R.T. 0.001 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBL01

Tgt Ion:128 Resp: 57083

Ion	Ratio	Lower	Upper
128	100		
49	182.6	0.0	464.3
130	123.5	0.0	300.5

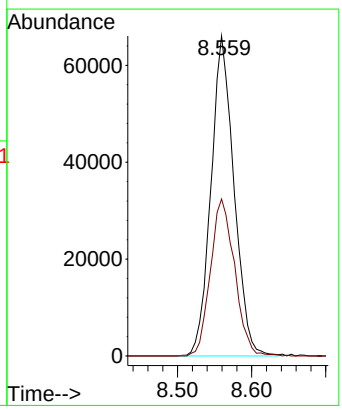


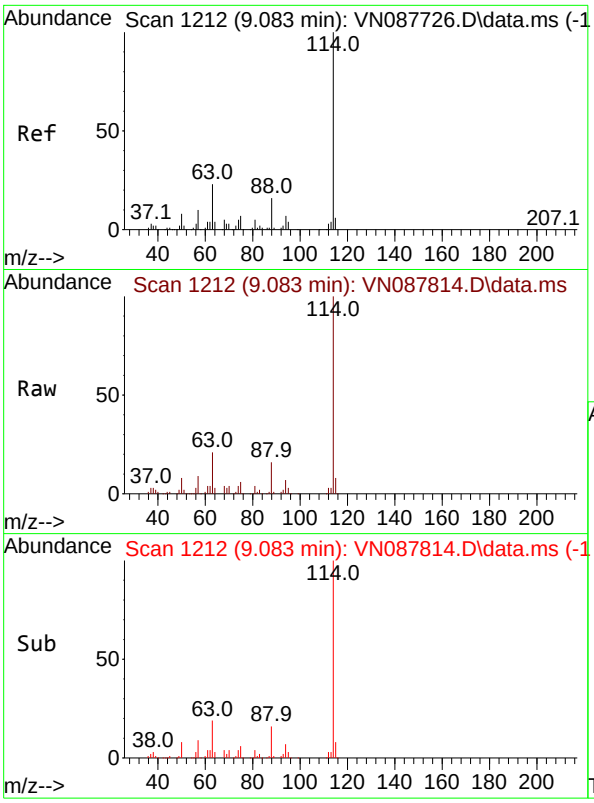


#27
1,2-Dichloroethane-d4
Concen: 29.242 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Tgt Ion: 65 Resp: 142590

Ion	Ratio	Lower	Upper
65	100		
67	51.3	39.6	59.4



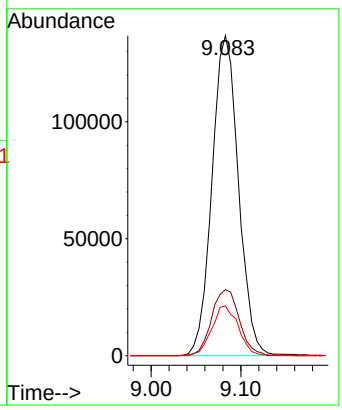


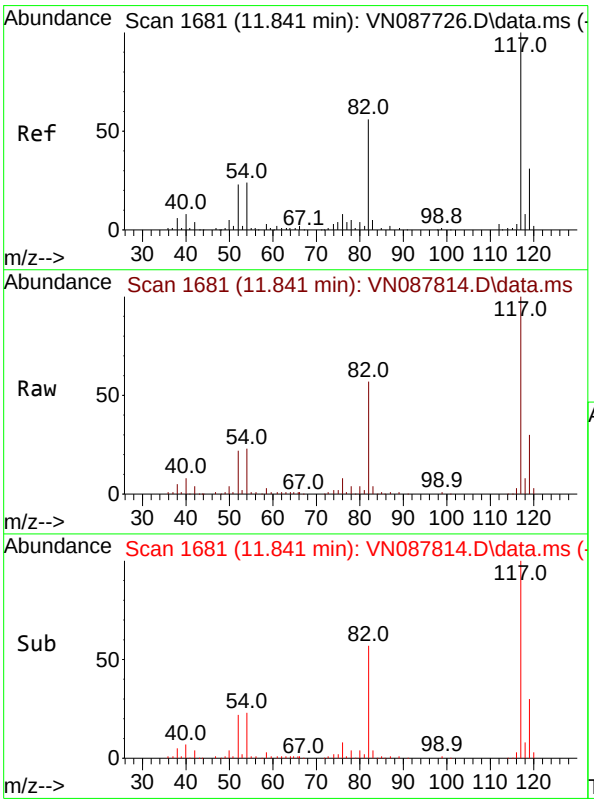
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBL01

Tgt Ion:114 Resp: 279905

Ion	Ratio	Lower	Upper
114	100		
63	21.7	18.3	27.5
88	15.6	12.4	18.6

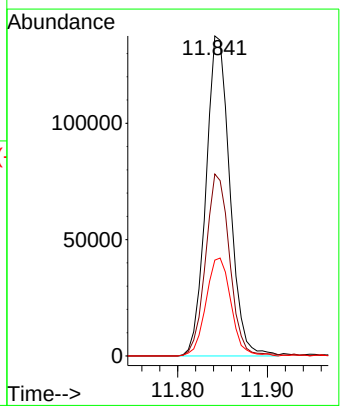


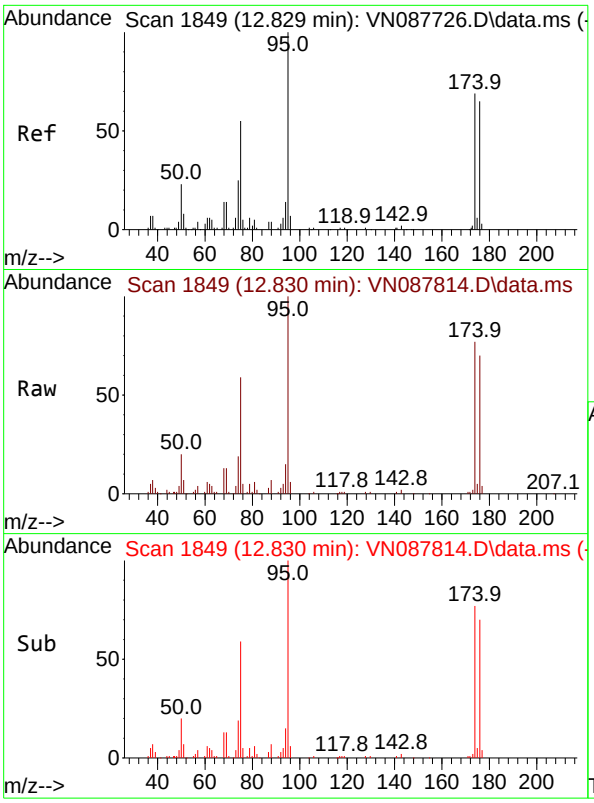


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. 0.000 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Tgt Ion:117 Resp: 254454

Ion	Ratio	Lower	Upper
117	100		
82	57.1	45.9	68.9
119	31.9	25.3	37.9



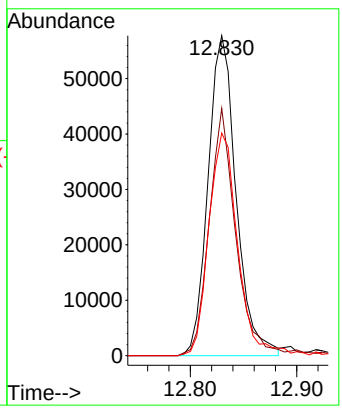


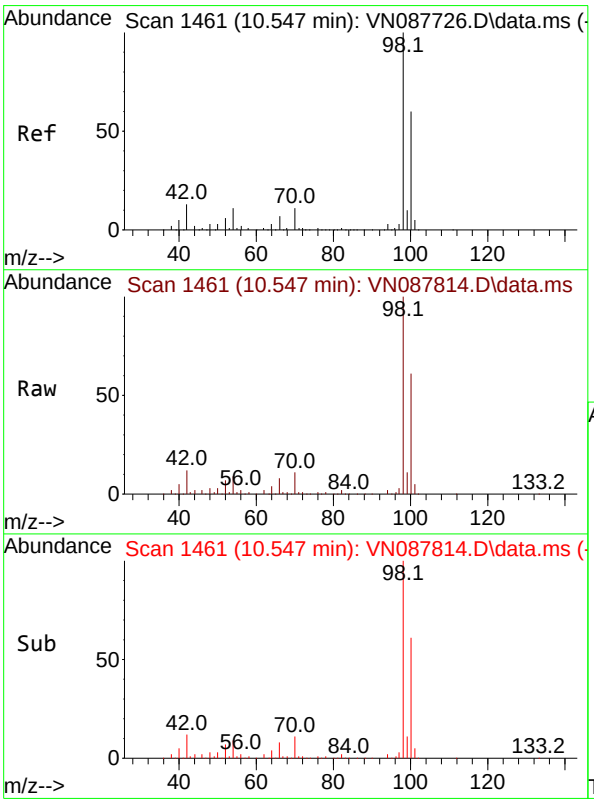
#60
4-Bromofluorobenzene
Concen: 25.852 ug/l
RT: 12.830 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBL01

Tgt Ion: 95 Resp: 105772

Ion	Ratio	Lower	Upper
95	100		
174	72.5	55.4	83.0
176	70.8	51.5	77.3

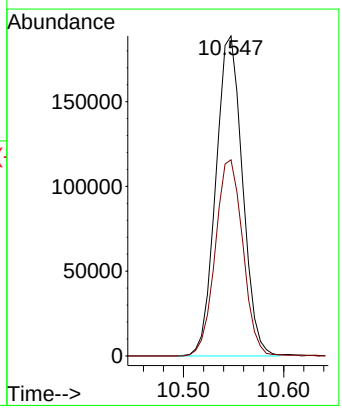




#63
Toluene-d8
Concen: 29.516 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087814.D
Acq: 12 Sep 2025 11:40

Tgt Ion: 98 Resp: 349272

Ion	Ratio	Lower	Upper
98	100		
100	63.3	50.6	76.0



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:	VN0912WBS01	SDG No.:	Q3078
Lab Sample ID:	VN0912WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087812.D	1	09/12/25 10:45	VN091225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	99.6		6.60	25.0	ug/L
107-13-1	Acrylonitrile	89.7		2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.2		91 - 110	97%	SPK: 30
2037-26-5	Toluene-d8	30.1		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	30.2		63 - 112	101%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	57200	7.794			
540-36-3	1,4-Difluorobenzene	293000	9.083			
3114-55-4	Chlorobenzene-d5	271000	11.841			

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\VN091225\
Data File : VN087812.D
Acq On : 12 Sep 2025 10:45
Operator : JC\MD
Sample : VN0912WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	57185	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	292500	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	270542	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	142666	29.205	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.367%			
60) 4-Bromofluorobenzene	12.829	95	131180	30.156	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.533%			
63) Toluene-d8	10.547	98	379086	30.130	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.433%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	68525	19.281	ug/l	93
3) Chloromethane	2.383	50	66319	17.775	ug/l	99
4) Vinyl Chloride	2.536	62	77219	18.309	ug/l	93
5) Bromomethane	2.977	94	36008	14.553	ug/l	98
6) Chloroethane	3.142	64	49067	17.022	ug/l	89
7) Trichlorofluoromethane	3.512	101	114377	18.502	ug/l	94
8) Diethyl Ether	3.965	74	47598	18.233	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	60508	18.070	ug/l	75
10) 1,1-Dichloroethene	4.336	96	61911	17.934	ug/l	92
11) Methyl Iodide	4.583	142	31164	12.753	ug/l	89
12) Methyl Acetate	5.018	43	100951	18.970	ug/l	100
13) Acrolein	4.177	56	94404m	99.634	ug/l	
14) Acrylonitrile	5.706	53	205534	89.730	ug/l	96
15) Acetone	4.412	58	64278	89.954	ug/l	99
16) Carbon Disulfide	4.706	76	176078	18.577	ug/l #	94
17) Allyl chloride	5.006	41	96885m	17.182	ug/l	
18) Methylene Chloride	5.265	84	72783	18.612	ug/l #	83
19) trans-1,2-Dichloroethene	5.765	96	66391m	18.857	ug/l	
20) Diisopropyl ether	6.659	45	236619	18.248	ug/l	96
21) 1,1-Dichloroethane	6.553	63	129360	18.218	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	79877	18.691	ug/l	99
23) tert-Butyl Alcohol	5.518	59	75562	93.319	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	222475	18.051	ug/l	96
25) Chloroform	7.947	83	139386	18.753	ug/l	97
26) Cyclohexane	8.236	56	98502	18.216	ug/l #	98
29) 1,1-Dichloropropene	8.347	75	85838	18.057	ug/l	98
30) 2-Butanone	7.471	43	301425	92.048	ug/l	98
31) 2,2-Dichloropropane	7.471	77	113380	19.786	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	115554	19.174	ug/l	97
33) Carbon Tetrachloride	8.347	117	93017	18.511	ug/l	98
34) Benzene	8.588	78	287923	18.741	ug/l	94
35) Methacrylonitrile	7.759	41	59654	17.416	ug/l	94
36) 1,2-Dichloroethane	8.653	62	107653	18.551	ug/l	99
37) Trichloroethene	9.330	130	65834	19.169	ug/l	95
38) Methylcyclohexane	9.583	83	95792	18.301	ug/l	100
39) 1,2-Dichloropropane	9.600	63	76239	19.375	ug/l	90
40) Dibromomethane	9.688	93	55819	19.062	ug/l	98
41) Bromodichloromethane	9.871	83	111252	18.588	ug/l	96
42) Vinyl Acetate	6.589	43	954834	87.269	ug/l #	88

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087812.D
Acq On : 12 Sep 2025 10:45
Operator : JC\MD
Sample : VN0912WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	111964	16.735	ug/l	95
44) Isopropyl Acetate	8.677	43	184704	17.610	ug/l	99
45) 1,4-Dioxane	9.682	88	28270	427.401	ug/l	95
46) Methyl methacrylate	9.665	41	78219	16.180	ug/l	93
47) n-amyl Acetate	12.559	43	106600m	15.040	ug/l	
48) t-1,3-Dichloropropene	10.818	75	114574	18.431	ug/l	98
49) cis-1,3-Dichloropropene	10.294	75	116952	18.368	ug/l	99
50) 1,1,2-Trichloroethane	11.000	97	71792	18.982	ug/l	91
51) Ethyl methacrylate	10.859	69	103683	17.615	ug/l	95
52) 1,3-Dichloropropane	11.141	76	121807	18.546	ug/l	99
53) Dibromochloromethane	11.335	129	78785	18.578	ug/l	94
54) 1,2-Dibromoethane	11.447	107	76056	19.325	ug/l	96
55) 2-Chloroethyl vinyl ether	10.141	63	296598	87.946	ug/l	97
56) Bromoform	12.559	173	50966	18.403	ug/l	96
58) 4-Methyl-2-Pentanone	10.424	43	587680	91.869	ug/l	99
59) 2-Hexanone	11.177	43	377128	90.222	ug/l	100
61) Tetrachloroethene	11.077	164	53216	19.756	ug/l	96
62) Toluene	10.606	91	304912	18.633	ug/l	99
64) Chlorobenzene	11.871	112	197108	19.625	ug/l	93
65) 1,1,1,2-Tetrachloroethane	11.941	131	69598	19.682	ug/l	95
66) Ethyl Benzene	11.941	91	325835	18.456	ug/l	96
67) m/p-Xylenes	12.047	106	250453	38.217	ug/l	91
68) o-Xylene	12.376	106	120873	19.023	ug/l	98
69) Styrene	12.388	104	200413	18.147	ug/l	100
70) Isopropylbenzene	12.676	105	301954	18.741	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	111961	19.330	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	105113m	18.483	ug/l	
73) Bromobenzene	12.959	156	74414	18.878	ug/l	93
74) n-propylbenzene	13.012	91	382795	18.830	ug/l	98
75) 2-Chlorotoluene	13.106	91	231074	18.886	ug/l	95
76) 1,3,5-Trimethylbenzene	13.153	105	256966	18.887	ug/l	98
77) t-1,4-Dichloro-2-butene	12.723	75	30952	16.125	ug/l	87
78) 4-Chlorotoluene	13.200	91	243017	19.702	ug/l	96
79) tert-butylbenzene	13.418	119	217008	19.045	ug/l	96
80) 1,2,4-Trimethylbenzene	13.459	105	260652	18.686	ug/l	97
81) sec-Butylbenzene	13.594	105	326802	19.499	ug/l	97
82) p-Isopropyltoluene	13.706	119	268047	19.411	ug/l	98
83) 1,3-Dichlorobenzene	13.712	146	154834	20.374	ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	150160	19.713	ug/l	99
85) n-Butylbenzene	14.035	91	260262	19.608	ug/l	99
86) Hexachloroethane	14.306	117	53576	19.101	ug/l	98
87) 1,2-Dichlorobenzene	14.082	146	143217	19.982	ug/l	96
88) 1,2-Dibromo-3-Chloropr...	14.700	75	24731	19.240	ug/l	93
89) 1,2,4-Trichlorobenzene	15.812	180	80060	19.639	ug/l	97
90) Hexachlorobutadiene	15.476	225	32228	23.582	ug/l	95
91) Naphthalene	15.612	128	275220	18.338	ug/l	99
92) 1,2,3-Trichlorobenzene	15.812	180	80060	19.639	ug/l	97

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

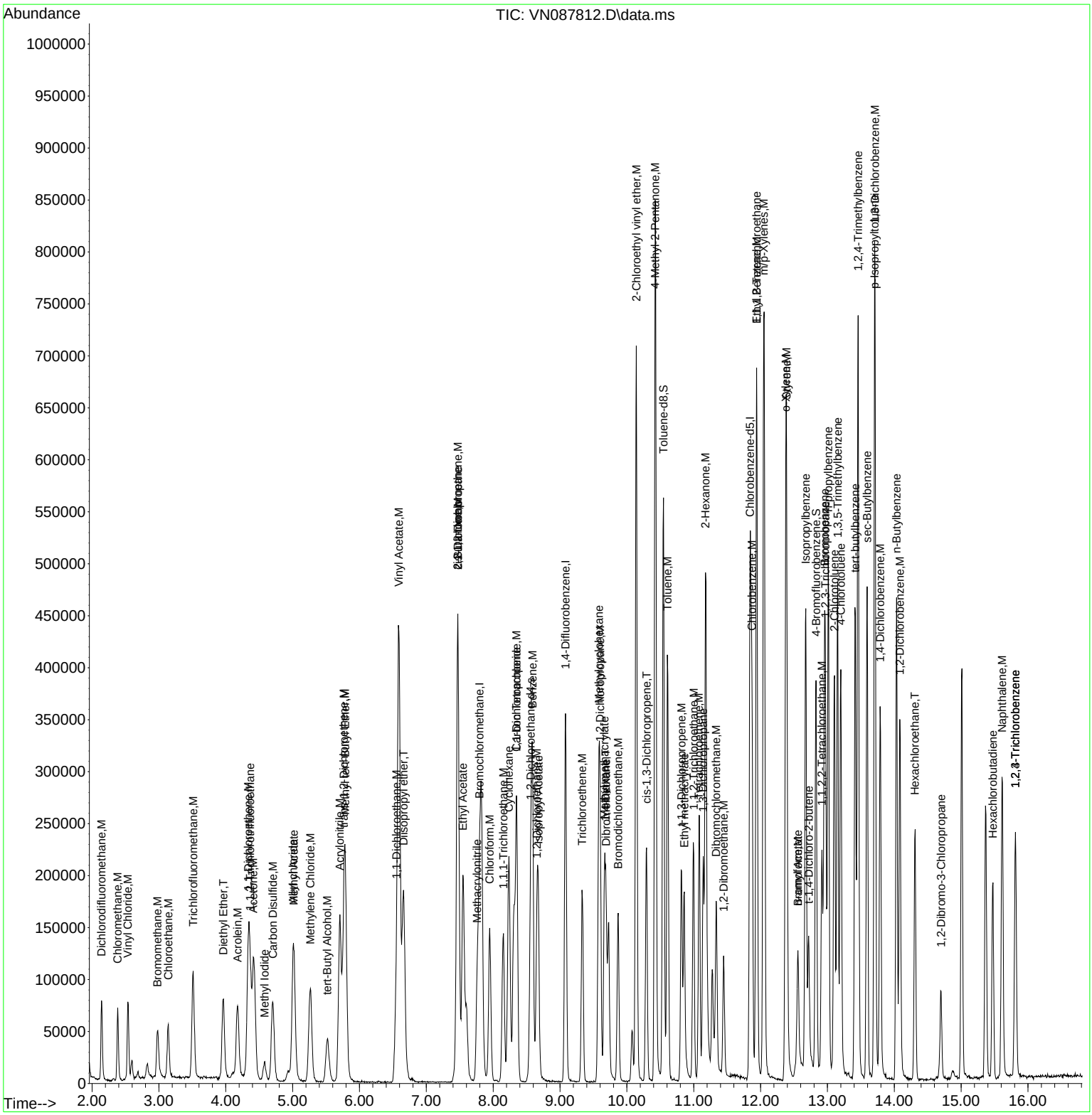
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087812.D
Acq On : 12 Sep 2025 10:45
Operator : JC\MD
Sample : VN0912WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025



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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0912WBSD01	SDG No.:	Q3078
Lab Sample ID:	VN0912WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087813.D	1	09/12/25 11:06	VN091225

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	97.9		6.60	25.0	ug/L
107-13-1	Acrylonitrile	87.6		2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	27.7		91 - 110	92%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.3		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	60700	7.795			
540-36-3	1,4-Difluorobenzene	293000	9.083			
3114-55-4	Chlorobenzene-d5	273000	11.847			

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\VN091225\
Data File : VN087813.D
Acq On : 12 Sep 2025 11:06
Operator : JC\MD
Sample : VN0912WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.795	128	60654	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	293305	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	272699	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	143354	27.668	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 92.233%				
60) 4-Bromofluorobenzene	12.829	95	128618	29.333	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.767%				
63) Toluene-d8	10.541	98	378556	29.850	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.500%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	70692	18.753	ug/l		97
3) Chloromethane	2.383	50	65788	16.624	ug/l		95
4) Vinyl Chloride	2.536	62	77414	17.306	ug/l		98
5) Bromomethane	2.983	94	37922	14.450	ug/l		97
6) Chloroethane	3.136	64	52371	17.130	ug/l	#	82
7) Trichlorofluoromethane	3.512	101	118483	18.070	ug/l		98
8) Diethyl Ether	3.965	74	46193	16.683	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	64189	18.073	ug/l		72
10) 1,1-Dichloroethene	4.336	96	65048	17.765	ug/l	#	82
11) Methyl Iodide	4.583	142	32276	12.453	ug/l		75
12) Methyl Acetate	5.018	43	102043	18.078	ug/l		96
13) Acrolein	4.177	56	98389m	97.901	ug/l		
14) Acrylonitrile	5.706	53	212763	87.573	ug/l		71
15) Acetone	4.418	58	66683	87.982	ug/l		82
16) Carbon Disulfide	4.701	76	185457	18.447	ug/l	#	92
17) Allyl chloride	5.018	41	101915	17.041	ug/l		98
18) Methylene Chloride	5.259	84	75185	18.127	ug/l		89
19) trans-1,2-Dichloroethene	5.765	96	66922	17.920	ug/l		98
20) Diisopropyl ether	6.659	45	233418	16.972	ug/l		97
21) 1,1-Dichloroethane	6.553	63	129018	17.131	ug/l		99
22) cis-1,2-Dichloroethene	7.471	96	80981	17.865	ug/l		97
23) tert-Butyl Alcohol	5.524	59	70963	82.627	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	222545	17.024	ug/l		95
25) Chloroform	7.947	83	135454	17.182	ug/l		90
26) Cyclohexane	8.242	56	103613	18.065	ug/l	#	100
29) 1,1-Dichloropropene	8.347	75	91303	19.154	ug/l		98
30) 2-Butanone	7.471	43	306372	93.302	ug/l		97
31) 2,2-Dichloropropane	7.465	77	115065	20.025	ug/l		99
32) 1,1,1-Trichloroethane	8.147	97	116352	19.253	ug/l		98
33) Carbon Tetrachloride	8.342	117	98183	19.485	ug/l		90
34) Benzene	8.589	78	292219	18.968	ug/l	#	93
35) Methacrylonitrile	7.759	41	63619	18.523	ug/l		96
36) 1,2-Dichloroethane	8.647	62	109367	18.794	ug/l		96
37) Trichloroethene	9.336	130	67222	19.520	ug/l		94
38) Methylcyclohexane	9.583	83	100988	19.241	ug/l		98
39) 1,2-Dichloropropane	9.600	63	76246	19.324	ug/l		99
40) Dibromomethane	9.689	93	54707	18.631	ug/l		97
41) Bromodichloromethane	9.871	83	107952	17.987	ug/l	#	94
42) Vinyl Acetate	6.595	43	962355	87.715	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087813.D
Acq On : 12 Sep 2025 11:06
Operator : JC\MD
Sample : VN0912WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	114815	17.114	ug/l	95
44) Isopropyl Acetate	8.677	43	184887	17.579	ug/l	98
45) 1,4-Dioxane	9.677	88	26538	400.115	ug/l	96
46) Methyl methacrylate	9.665	41	85538	17.645	ug/l	93
47) n-amyl Acetate	12.571	43	105619m	14.861	ug/l	
48) t-1,3-Dichloropropene	10.818	75	110087	17.661	ug/l	99
49) cis-1,3-Dichloropropene	10.288	75	119926	18.784	ug/l	90
50) 1,1,2-Trichloroethane	10.994	97	71598	18.878	ug/l	95
51) Ethyl methacrylate	10.859	69	107837	18.270	ug/l	99
52) 1,3-Dichloropropane	11.141	76	122386	18.583	ug/l	100
53) Dibromochloromethane	11.341	129	81694	19.211	ug/l	92
54) 1,2-Dibromoethane	11.447	107	72329	18.328	ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	300818	88.953	ug/l	98
56) Bromoform	12.559	173	51291	18.470	ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	599526	92.979	ug/l	99
59) 2-Hexanone	11.177	43	379850	90.154	ug/l	98
61) Tetrachloroethene	11.083	164	57018	21.000	ug/l	93
62) Toluene	10.612	91	306195	18.563	ug/l	99
64) Chlorobenzene	11.871	112	188308	18.600	ug/l	96
65) 1,1,1,2-Tetrachloroethane	11.935	131	66801	18.741	ug/l	99
66) Ethyl Benzene	11.941	91	329763	18.531	ug/l	92
67) m/p-Xylenes	12.053	106	250458	37.915	ug/l	93
68) o-Xylene	12.377	106	120504	18.815	ug/l	100
69) Styrene	12.388	104	201054	18.061	ug/l	100
70) Isopropylbenzene	12.671	105	309691	19.070	ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	110182	18.872	ug/l	97
72) 1,2,3-Trichloropropane	12.971	75	101119m	17.640	ug/l	
73) Bromobenzene	12.959	156	74780	18.821	ug/l	96
74) n-propylbenzene	13.012	91	392483	19.154	ug/l	98
75) 2-Chlorotoluene	13.100	91	231741	18.791	ug/l	97
76) 1,3,5-Trimethylbenzene	13.147	105	267103	19.477	ug/l	97
77) t-1,4-Dichloro-2-butene	12.718	75	31316	16.185	ug/l	95
78) 4-Chlorotoluene	13.200	91	242014	19.465	ug/l	98
79) tert-butylbenzene	13.418	119	229146	19.952	ug/l	95
80) 1,2,4-Trimethylbenzene	13.459	105	271786	19.330	ug/l	99
81) sec-Butylbenzene	13.594	105	346516	20.512	ug/l	99
82) p-Isopropyltoluene	13.706	119	287370	20.646	ug/l	96
83) 1,3-Dichlorobenzene	13.712	146	150754	19.680	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	152124	19.813	ug/l	99
85) n-Butylbenzene	14.035	91	277392	20.733	ug/l	98
86) Hexachloroethane	14.306	117	54896	19.417	ug/l	95
87) 1,2-Dichlorobenzene	14.082	146	143399	19.849	ug/l	97
88) 1,2-Dibromo-3-Chloropr...	14.694	75	24542	18.942	ug/l	87
89) 1,2,4-Trichlorobenzene	15.806	180	82133	19.988	ug/l	98
90) Hexachlorobutadiene	15.470	225	34886	25.325	ug/l	91
91) Naphthalene	15.612	128	281519	18.610	ug/l	99
92) 1,2,3-Trichlorobenzene	15.806	180	82133	19.988	ug/l	98

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

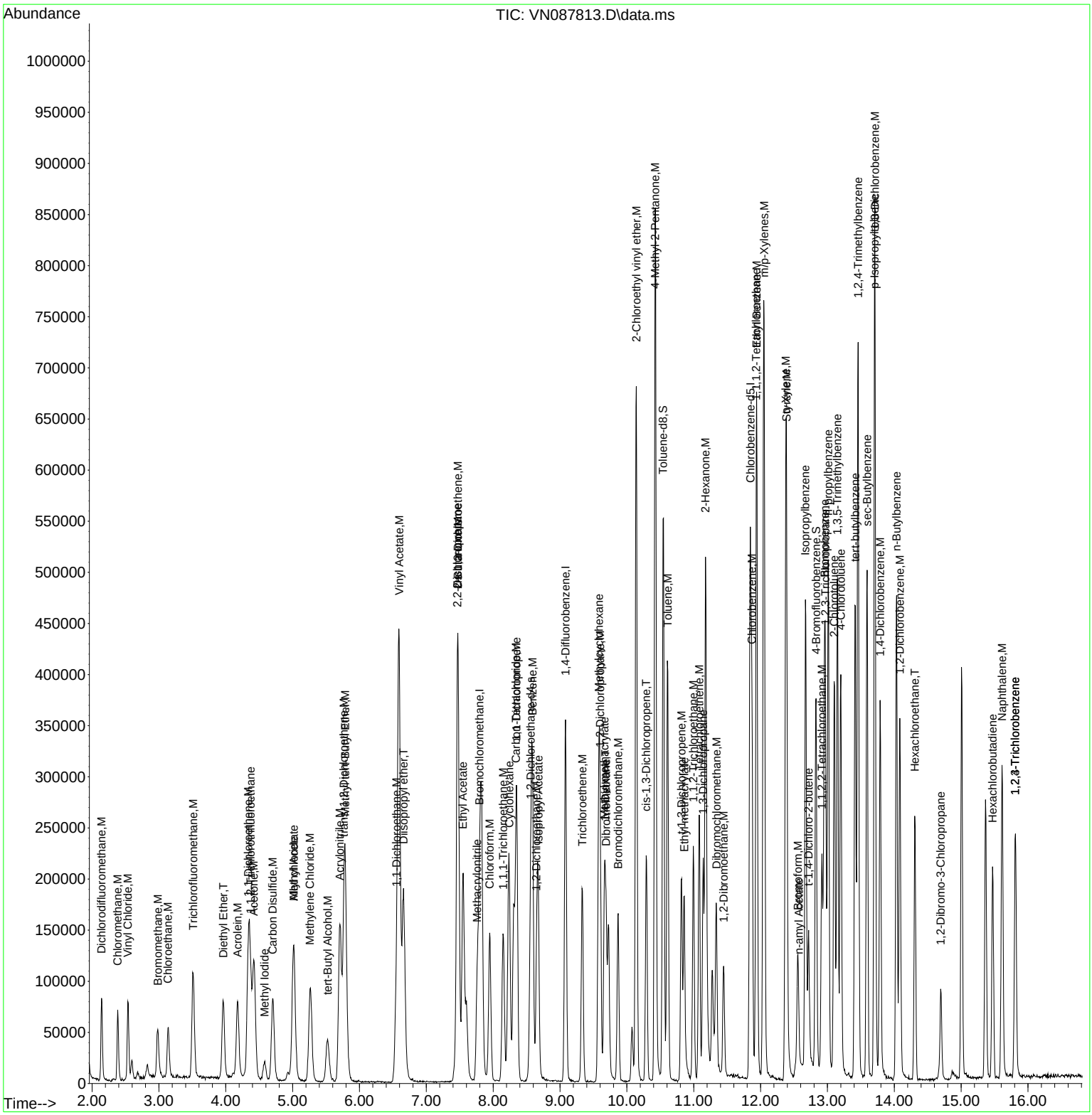
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091225\
Data File : VN087813.D
Acq On : 12 Sep 2025 11:06
Operator : JC\MD
Sample : VN0912WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 12 22:50:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N090425W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Fri Sep 05 03:29:53 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0912WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/15/2025
Supervised By :Mahesh Dadoda 09/15/2025



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

Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087714.D	1,2,3-Trichloropropane	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	Acetone	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	Allyl chloride	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087714.D	n-amyl Acetate	sam	9/5/2025 1:44:22 PM	MMDadoda	9/5/2025 2:56:13 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	n-amyl Acetate	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDCCC020	VN087723.D	tert-Butyl Alcohol	sam	9/5/2025 1:45:37 PM	MMDadoda	9/5/2025 2:56:18 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,1,2-Trichlorotrifluoroethane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	1,2-Dibromo-3-Chloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	2,2-Dichloropropane	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Acetone	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Allyl chloride	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087725.D	Diethyl Ether	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl Iodide	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl methacrylate	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	Methyl tert-Butyl Ether	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	n-amyl Acetate	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	tert-Butyl Alcohol	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICC005	VN087725.D	trans-1,2-Dichloroethene	sam	9/5/2025 1:45:43 PM	MMDadoda	9/5/2025 2:56:20 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	Acrylonitrile	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	n-amyl Acetate	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICCC020	VN087726.D	trans-1,2-Dichloroethene	sam	9/5/2025 1:45:53 PM	MMDadoda	9/5/2025 2:56:23 PM	Peak Integrated by Software
VSTDICC050	VN087727.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:26 PM	MMDadoda	9/5/2025 2:56:24 PM	Peak Integrated by Software
VSTDICC050	VN087727.D	n-amyl Acetate	sam	9/5/2025 1:46:26 PM	MMDadoda	9/5/2025 2:56:24 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn090425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087728.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC100	VN087728.D	Acrolein	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC100	VN087728.D	n-amyl Acetate	sam	9/5/2025 1:46:31 PM	MMDadoda	9/5/2025 2:56:26 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	1,2,3-Trichloropropane	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	Acrolein	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	Carbon Disulfide	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICC150	VN087729.D	n-amyl Acetate	sam	9/5/2025 1:45:48 PM	MMDadoda	9/5/2025 2:56:28 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	1,2,3-Trichloropropane	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	Acrolein	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	Methyl Iodide	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software
VSTDICV020	VN087731.D	n-amyl Acetate	sam	9/5/2025 1:46:09 PM	MMDadoda	9/5/2025 2:56:30 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn091225	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087811.D	1,2,3-Trichloropropane	sam	9/15/2025 8:11:17 AM	MMDadoda	9/15/2025 2:52:03 PM	Peak Integrated by Software
VSTDCCC020	VN087811.D	Acrolein	sam	9/15/2025 8:11:17 AM	MMDadoda	9/15/2025 2:52:03 PM	Peak Integrated by Software
VSTDCCC020	VN087811.D	Methyl Iodide	sam	9/15/2025 8:11:17 AM	MMDadoda	9/15/2025 2:52:03 PM	Peak Integrated by Software
VSTDCCC020	VN087811.D	n-amyl Acetate	sam	9/15/2025 8:11:17 AM	MMDadoda	9/15/2025 2:52:03 PM	Peak Integrated by Software
VN0912WBS01	VN087812.D	1,2,3-Trichloropropane	sam	9/15/2025 8:11:21 AM	MMDadoda	9/15/2025 2:52:06 PM	Peak Integrated by Software
VN0912WBS01	VN087812.D	Acrolein	sam	9/15/2025 8:11:21 AM	MMDadoda	9/15/2025 2:52:06 PM	Peak Integrated by Software
VN0912WBS01	VN087812.D	Allyl chloride	sam	9/15/2025 8:11:21 AM	MMDadoda	9/15/2025 2:52:06 PM	Peak Integrated by Software
VN0912WBS01	VN087812.D	n-amyl Acetate	sam	9/15/2025 8:11:21 AM	MMDadoda	9/15/2025 2:52:06 PM	Peak Integrated by Software
VN0912WBS01	VN087812.D	trans-1,2-Dichloroethene	sam	9/15/2025 8:11:21 AM	MMDadoda	9/15/2025 2:52:06 PM	Peak Integrated by Software
VN0912WBSD01	VN087813.D	1,2,3-Trichloropropane	sam	9/15/2025 8:11:25 AM	MMDadoda	9/15/2025 2:52:08 PM	Peak Integrated by Software
VN0912WBSD01	VN087813.D	Acrolein	sam	9/15/2025 8:11:25 AM	MMDadoda	9/15/2025 2:52:08 PM	Peak Integrated by Software
VN0912WBSD01	VN087813.D	n-amyl Acetate	sam	9/15/2025 8:11:25 AM	MMDadoda	9/15/2025 2:52:08 PM	Peak Integrated by Software
Q3078-01	VN087816.D	1,4-Dioxane	sam	9/15/2025 8:11:36 AM	MMDadoda	9/15/2025 2:52:11 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn091225	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3078-01	VN087816.D	Carbon Disulfide	sam	9/15/2025 8:11:36 AM	MMDadoda	9/15/2025 2:52:11 PM	Peak Integrated by Software
Q3078-01	VN087816.D	Methyl tert-Butyl Ether	sam	9/15/2025 8:11:36 AM	MMDadoda	9/15/2025 2:52:11 PM	Peak Integrated by Software
VSTDCCC020	VN087818.D	1,2,3-Trichloropropane	sam	9/15/2025 8:11:40 AM	MMDadoda	9/15/2025 2:52:16 PM	Peak Integrated by Software
VSTDCCC020	VN087818.D	Bromochloromethane	sam	9/15/2025 8:11:40 AM	MMDadoda	9/15/2025 2:52:16 PM	Peak Integrated by Software
VSTDCCC020	VN087818.D	n-amyl Acetate	sam	9/15/2025 8:11:40 AM	MMDadoda	9/15/2025 2:52:16 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087713.D	04 Sep 2025 10:10	JC\MD	Ok
2	VSTDCCC020	VN087714.D	04 Sep 2025 10:54	JC\MD	Ok,M
3	VN0904WBS01	VN087715.D	04 Sep 2025 12:04	JC\MD	Ok,M
4	VN0904WBSD01	VN087716.D	04 Sep 2025 12:38	JC\MD	Ok,M
5	VN0904WBL01	VN087717.D	04 Sep 2025 12:59	JC\MD	Ok
6	Q3017-01	VN087718.D	04 Sep 2025 13:35	JC\MD	Ok
7	Q3017-02	VN087719.D	04 Sep 2025 13:56	JC\MD	Ok
8	Q3017-04	VN087720.D	04 Sep 2025 14:16	JC\MD	Ok
9	Q3017-05	VN087721.D	04 Sep 2025 14:37	JC\MD	Ok
10	Q3017-03	VN087722.D	04 Sep 2025 14:58	JC\MD	Ok
11	VSTDCCC020	VN087723.D	04 Sep 2025 15:21	JC\MD	Ok,M
12	BLK	VN087724.D	04 Sep 2025 15:41	JC\MD	Ok
13	VSTDICC005	VN087725.D	04 Sep 2025 16:23	JC\MD	Ok,M
14	VSTDICCC020	VN087726.D	04 Sep 2025 16:44	JC\MD	Ok,M
15	VSTDICC050	VN087727.D	04 Sep 2025 17:05	JC\MD	Ok,M
16	VSTDICC100	VN087728.D	04 Sep 2025 17:25	JC\MD	Ok,M
17	VSTDICC150	VN087729.D	04 Sep 2025 17:46	JC\MD	Ok,M
18	IBLK	VN087730.D	04 Sep 2025 18:07	JC\MD	Ok
19	VSTDICV020	VN087731.D	04 Sep 2025 18:28	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091225

Review By	John Carlone	Review On	9/15/2025 8:16:33 AM				
Supervise By	Mahesh Dadoda	Supervise On	9/15/2025 2:58:59 PM				
SubDirectory	VN091225	HP Acquire Method	MSVOA_N	HP Processing Method	624N090425W.M		

STD. NAME	STD REF.#
Tune/Reschk	VP135444
Initial Calibration Stds	
CCC	VP135445,VP135446
Internal Standard/PEM	VP134691
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087810.D	12 Sep 2025 08:23	JC\MD	Ok
2	VSTDCCC020	VN087811.D	12 Sep 2025 10:04	JC\MD	Ok,M
3	VN0912WBS01	VN087812.D	12 Sep 2025 10:45	JC\MD	Ok,M
4	VN0912WBSD01	VN087813.D	12 Sep 2025 11:06	JC\MD	Ok,M
5	VN0912WBL01	VN087814.D	12 Sep 2025 11:40	JC\MD	Ok
6	Q3078-02	VN087815.D	12 Sep 2025 12:19	JC\MD	Ok
7	Q3078-01	VN087816.D	12 Sep 2025 12:40	JC\MD	Ok,M
8	VIBLK	VN087817.D	12 Sep 2025 13:22	JC\MD	Ok
9	VSTDCCC020	VN087818.D	12 Sep 2025 15:51	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087713.D	04 Sep 2025 10:10		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087714.D	04 Sep 2025 10:54		JC\MD	Ok,M
3	VN0904WBS01	VN0904WBS01	VN087715.D	04 Sep 2025 12:04		JC\MD	Ok,M
4	VN0904WBSD01	VN0904WBSD01	VN087716.D	04 Sep 2025 12:38		JC\MD	Ok,M
5	VN0904WBL01	VN0904WBL01	VN087717.D	04 Sep 2025 12:59		JC\MD	Ok
6	Q3017-01	BP-TB-20250903	VN087718.D	04 Sep 2025 13:35	vial A pH<2 TB	JC\MD	Ok
7	Q3017-02	TT-076-IDWGW-20250	VN087719.D	04 Sep 2025 13:56	vial A+B pH<2	JC\MD	Ok
8	Q3017-04	TT-078-IDWGW-20250	VN087720.D	04 Sep 2025 14:16	vial A+B pH<2	JC\MD	Ok
9	Q3017-05	TT-079-IDWGW-20250	VN087721.D	04 Sep 2025 14:37	vial A+B pH<2	JC\MD	Ok
10	Q3017-03	TT-077-IDWGW-20250	VN087722.D	04 Sep 2025 14:58	vial A+B pH<2	JC\MD	Ok
11	VSTDCCC020	VSTDCCC020EC	VN087723.D	04 Sep 2025 15:21		JC\MD	Ok,M
12	BLK	BLK	VN087724.D	04 Sep 2025 15:41		JC\MD	Ok
13	VSTDICC005	VSTDICC005	VN087725.D	04 Sep 2025 16:23		JC\MD	Ok,M
14	VSTDICCC020	VSTDICCC020	VN087726.D	04 Sep 2025 16:44		JC\MD	Ok,M
15	VSTDICC050	VSTDICC050	VN087727.D	04 Sep 2025 17:05		JC\MD	Ok,M
16	VSTDICC100	VSTDICC100	VN087728.D	04 Sep 2025 17:25		JC\MD	Ok,M
17	VSTDICC150	VSTDICC150	VN087729.D	04 Sep 2025 17:46		JC\MD	Ok,M
18	IBLK	IBLK	VN087730.D	04 Sep 2025 18:07		JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN090425

Review By	Mahesh Dadoda	Review On	9/5/2025 2:55:23 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/5/2025 2:57:06 PM		
SubDirectory	VN090425	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135371,VP135374
Initial Calibration Stds	VP135375,VP135376,VP135377,VP135378,VP135379
CCC	VP135372,VP135373
Internal Standard/PEM	
ICV/I.BLK	VP135380
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDICV020	ICVVN090425	VN087731.D	04 Sep 2025 18:28		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091225

Review By	John Carlone	Review On	9/15/2025 8:16:33 AM		
Supervise By	Mahesh Dadoda	Supervise On	9/15/2025 2:58:59 PM		
SubDirectory	VN091225	HP Acquire Method	MSVOA_N	HP Processing Method	624N090425W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135444
Initial Calibration Stds	
CCC	VP135445,VP135446
Internal Standard/PEM	VP134691
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087810.D	12 Sep 2025 08:23		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087811.D	12 Sep 2025 10:04		JC\MD	Ok,M
3	VN0912WBS01	VN0912WBS01	VN087812.D	12 Sep 2025 10:45		JC\MD	Ok,M
4	VN0912WBSD01	VN0912WBSD01	VN087813.D	12 Sep 2025 11:06		JC\MD	Ok,M
5	VN0912WBL01	VN0912WBL01	VN087814.D	12 Sep 2025 11:40		JC\MD	Ok
6	Q3078-02	250910064-01-TRIP-BL	VN087815.D	12 Sep 2025 12:19	TB,vial B pH#7	JC\MD	Ok
7	Q3078-01	250910074-01-VOA	VN087816.D	12 Sep 2025 12:40	vial B pH#8	JC\MD	Ok,M
8	VIBLK	VIBLK	VN087817.D	12 Sep 2025 13:22		JC\MD	Ok
9	VSTDCCC020	VSTDCCC020EC	VN087818.D	12 Sep 2025 15:51		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

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : 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