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:	Q3361	**OrderDate:**	10/16/2025 9:52:00 AM
Client:	Garden State Laboratories, Inc.	**Project:**	Waste Water 2025
Contact:	Sharon Ercoliani	**Location:**	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3361-01	**VOA 251015111-01**	**Water**			**10/15/25**			**10/16/25**
			VOCMS Group1	624.1			10/17/25	
Q3361-02	**Trip blank 251015076-04**	**Water**			**10/15/25**			**10/16/25**
			VOCMS Group1	624.1			10/17/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3361

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.: Q3361

Client: Garden State Laboratories, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3361-01	VOA 251015111-01	1,2-Dichloroethane-d4	30	30.9	103		91	110
		Toluene-d8	30	30.8	103		91	112
		4-Bromofluorobenzene	30	29.6	99		63	112
Q3361-02	Trip blank 251015076-04	1,2-Dichloroethane-d4	30	32.3	108		91	110
		Toluene-d8	30	31.2	104		91	112
		4-Bromofluorobenzene	30	28.9	96		63	112
VN1017WBL01	VN1017WBL01	1,2-Dichloroethane-d4	30	32.4	108		91	110
		Toluene-d8	30	31.5	105		91	112
		4-Bromofluorobenzene	30	28.4	95		63	112
VN1017WBS01	VN1017WBS01	1,2-Dichloroethane-d4	30	32.0	107		91	110
		Toluene-d8	30	30.9	103		91	112
		4-Bromofluorobenzene	30	29.9	100		63	112
VN1017WBSD0	VN1017WBSD01	1,2-Dichloroethane-d4	30	31.5	105		91	110
		Toluene-d8	30	30.6	102		91	112
		4-Bromofluorobenzene	30	29.9	100		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3361 **Analytical Method:** SW624.1

Client: Garden State Laboratories, Inc. **Datafile :** VN088056.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1017WBS01	Acrolein	100	84.0	ug/L	84			60	140	
	Acrylonitrile	100	91.3	ug/L	91			60	140	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3361 **Analytical Method:** SW624.1

Client: Garden State Laboratories, Inc. **Datafile :** VN088057.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN1017WBSD01	Acrolein	100	91.8	ug/L	92	9		60	140	20
	Acrylonitrile	100	90.6	ug/L	91	0		60	140	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN1017WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3361

Lab File ID: VN088058.D Lab Sample ID: VN1017WBL01

Date Analyzed: 10/17/2025 Time Analyzed: 10:56

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
VN1017WBS01	VN1017WBS01	VN088056.D	10/17/2025
VN1017WBSD01	VN1017WBSD01	VN088057.D	10/17/2025
Trip blank 251015076-04	Q3361-02	VN088059.D	10/17/2025
VOA 251015111-01	Q3361-01	VN088062.D	10/17/2025

COMMENTS:

Raw Data: **VN088029.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q3361
Lab File ID: VN088029.D
BFB Injection Date: 10/08/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:00
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
75	30.0 - 60.0% of mass 95	52.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	72.1
175	5.0 - 9.0% of mass 174	5.6 (7.8) 1
176	95.0 - 101.0% of mass 174	69.5 (96.4) 1
177	5.0 - 9.0% of mass 176	4.7 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VN088030.D	10/08/2025	09:34
VSTDICCC020	VSTDICCC020	VN088031.D	10/08/2025	10:08
VSTDICC050	VSTDICC050	VN088032.D	10/08/2025	10:30
VSTDICC100	VSTDICC100	VN088033.D	10/08/2025	10:51
VSTDICC150	VSTDICC150	VN088034.D	10/08/2025	11:12

Alliance TECHNICAL GROUP

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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.: Q3361
Lab File ID: VN088054.D
BFB Injection Date: 10/17/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:56
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.6
75	30.0 - 60.0% of mass 95	53.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.2
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	67.1
175	5.0 - 9.0% of mass 174	5 (7.5) 1
176	95.0 - 101.0% of mass 174	64.1 (95.6) 1
177	5.0 - 9.0% of mass 176	4.3 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN088055.D	10/17/2025	09:29
VN1017WBS01	VN1017WBS01	VN088056.D	10/17/2025	10:03
VN1017WBSD01	VN1017WBSD01	VN088057.D	10/17/2025	10:36
VN1017WBL01	VN1017WBL01	VN088058.D	10/17/2025	10:56
Trip blank 251015076-04	Q3361-02	VN088059.D	10/17/2025	11:32
VOA 251015111-01	Q3361-01	VN088062.D	10/17/2025	12:34

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3361

Lab File ID: VN088055.D Date Analyzed: 10/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:29

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	68741	7.79	379209	9.08	339769	11.84
UPPER LIMIT	137482	8.294	758418	9.576	679538	12.341
LOWER LIMIT	34370.5	7.294	189605	8.576	169885	11.341
EPA SAMPLE NO.						
VOA 251015111-01	56268	7.80	286128	9.08	252527	11.85
Trip blank 251015076-04	35289	7.79	197802	9.08	171281	11.85
VN1017WBL01	56868	7.79	316193	9.08	274787	11.84
VN1017WBS01	61010	7.79	345518	9.08	303706	11.84
VN1017WBSD01	65413	7.80	359810	9.08	319803	11.84

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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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q3361

Lab File ID: VN088055.D Date Analyzed: 10/17/2025

Instrument ID: MSVOA_N Time Analyzed: 09:29

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.						
VOA 251015111-01	0	0.00				
Trip blank 251015076-04	0	0.00				
VN1017WBL01	0	0.00				
VN1017WBS01	0	0.00				
VN1017WBSD01	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: **VN088062.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	10/15/25
Project:	Waste Water 2025	Date Received:	10/16/25
Client Sample ID:	VOA 251015111-01	SDG No.:	Q3361
Lab Sample ID:	Q3361-01	Matrix:	Water
Analytical Method:	E624.1	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	10/17/25 12:34	VN101725
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	10/17/25 12:34	VN101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	30.9			91 - 110	103%	SPK: 30		
2037-26-5	Toluene-d8	30.8			91 - 112	103%	SPK: 30		
460-00-4	4-Bromofluorobenzene	29.6			63 - 112	99%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	56300							
540-36-3	1,4-Difluorobenzene	286000							
3114-55-4	Chlorobenzene-d5	253000							

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\VN101725\
Data File : VN088062.D
Acq On : 17 Oct 2025 12:34
Operator : JC\MD
Sample : Q3361-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Quant Time: Oct 18 01:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	56268	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	286128	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	252527	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	135331	30.887	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.967%				
60) 4-Bromofluorobenzene	12.823	95	123237	29.603	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.667%				
63) Toluene-d8	10.547	98	346407	30.789	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.633%				
Target Compounds							Qvalue
4) Vinyl Chloride	2.542	62	1762	0.462	ug/l	#	82
8) Diethyl Ether	3.965	74	15228	6.505	ug/l		66
12) Methyl Acetate	5.024	43	36246m	7.536	ug/l		
15) Acetone	4.418	58	1310592	1928.099	ug/l		93
18) Methylene Chloride	5.277	84	5096m	1.355	ug/l		
23) tert-Butyl Alcohol	5.518	59	6487271	6968.927	ug/l	#	100
24) Methyl tert-Butyl Ether	5.795	73	26182	2.050	ug/l	#	86
30) 2-Butanone	7.465	43	7872769	2602.670	ug/l		96
34) Benzene	8.588	78	77179	5.673	ug/l	#	83
36) 1,2-Dichloroethane	8.653	62	9260m	1.961	ug/l		
43) Ethyl Acetate	7.524	43	147822m	25.422	ug/l		
44) Isopropyl Acetate	8.659	43	21849m	2.301	ug/l		
58) 4-Methyl-2-Pentanone	10.424	43	98093	17.366	ug/l	#	83
62) Toluene	10.606	91	262585	18.332	ug/l		100
64) Chlorobenzene	11.871	112	20845	2.278	ug/l		98
66) Ethyl Benzene	11.941	91	213209	13.689	ug/l		95
67) m/p-Xylenes	12.047	106	78345	13.048	ug/l		96
68) o-Xylene	12.376	106	44956	7.521	ug/l		99
69) Styrene	12.388	104	10603	1.072	ug/l	#	39
70) Isopropylbenzene	12.671	105	31140	2.126	ug/l		95
74) n-propylbenzene	13.018	91	11490	0.650	ug/l		93
76) 1,3,5-Trimethylbenzene	13.153	105	15530	1.248	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	57640	4.627	ug/l		100
82) p-Isopropyltoluene	13.706	119	149310	11.530	ug/l		97
84) 1,4-Dichlorobenzene	13.788	146	25052	3.606	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	1960	0.296	ug/l		84
91) Naphthalene	15.612	128	461067	31.906	ug/l		99

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

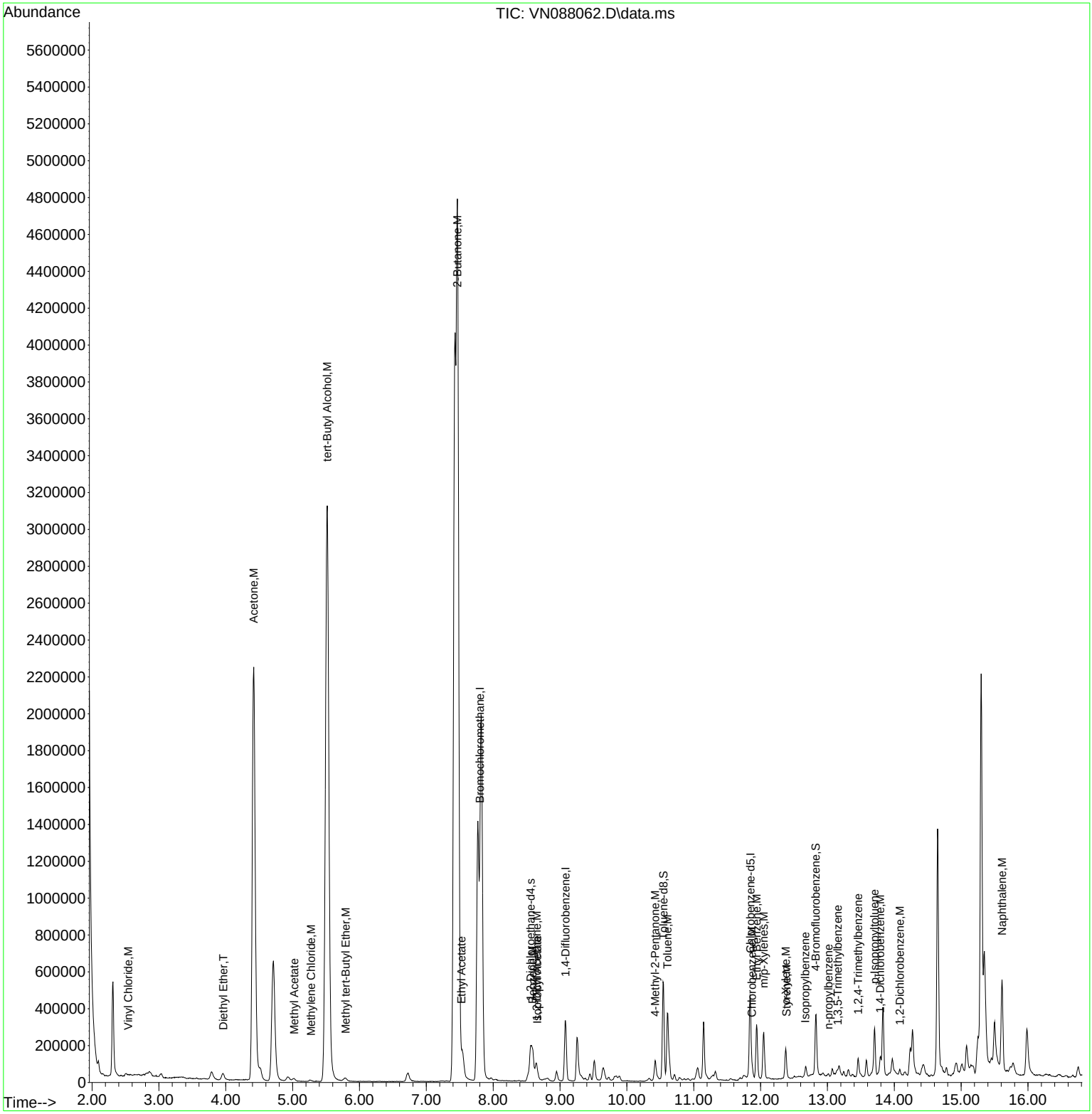
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088062.D
Acq On : 17 Oct 2025 12:34
Operator : JC\MD
Sample : Q3361-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

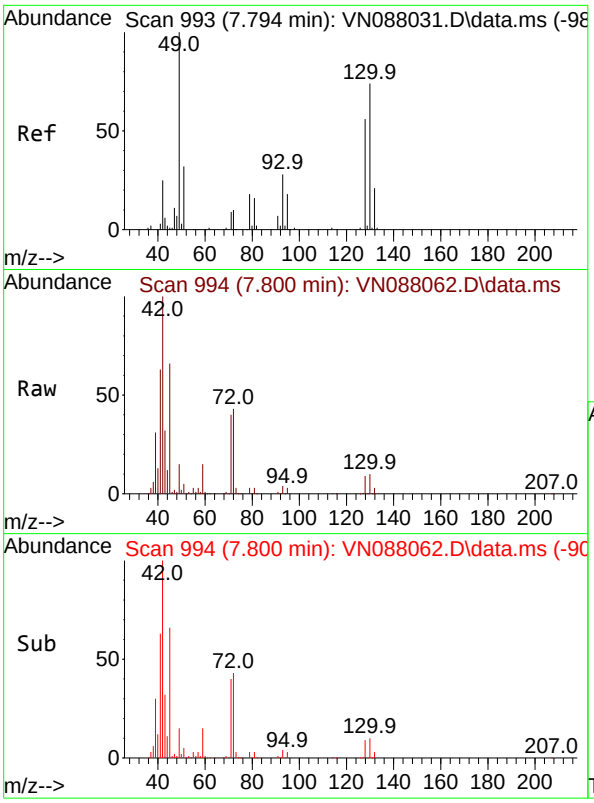
Quant Time: Oct 18 01:28:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

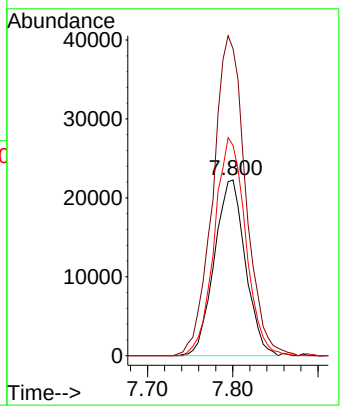




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:128 Resp: 5626

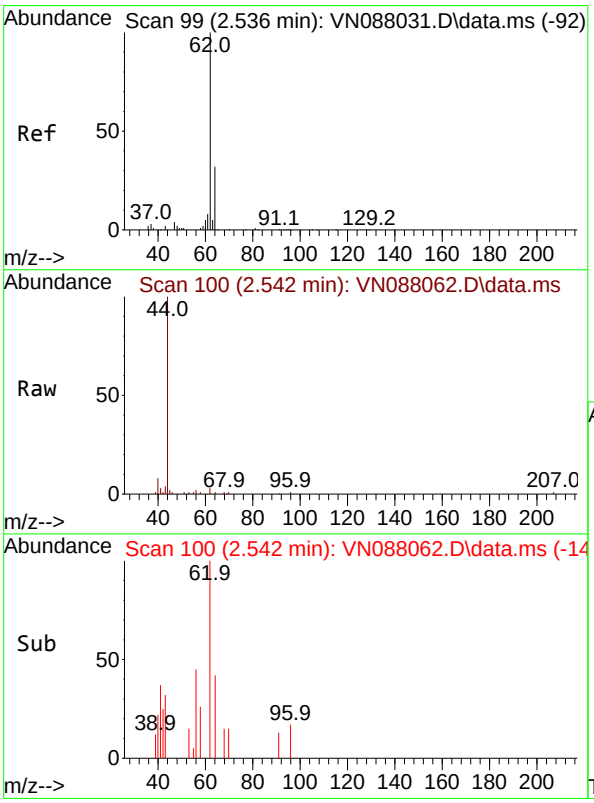
Ion	Ratio	Lower	Upper
128	100		
49	192.7	0.0	439.8
130	125.0	0.0	325.8



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

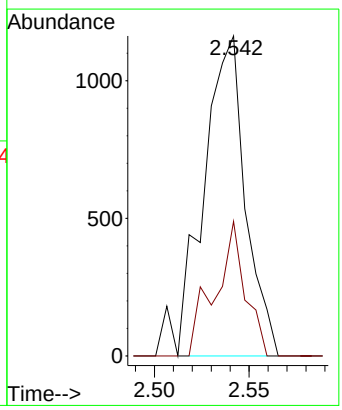
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

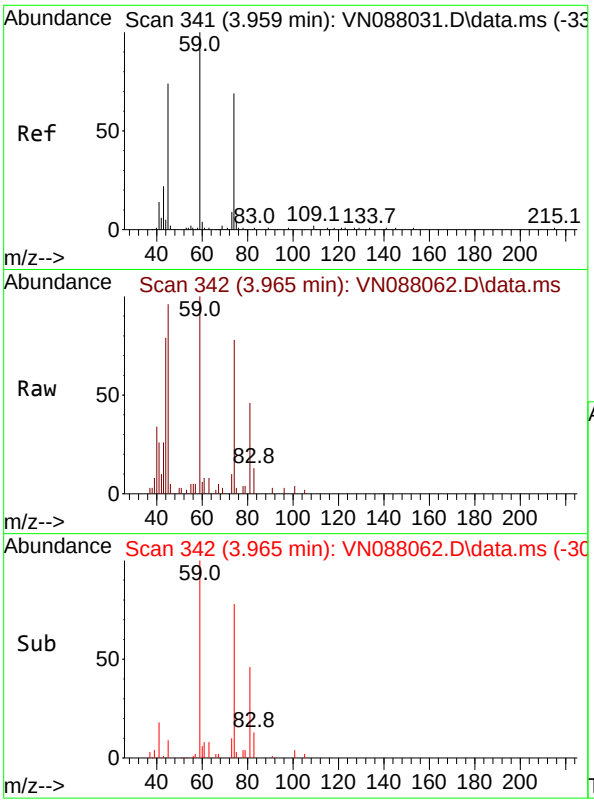


#4
Vinyl Chloride
Concen: 0.462 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 62 Resp: 1762

Ion	Ratio	Lower	Upper
62	100		
64	42.0	25.7	38.5#

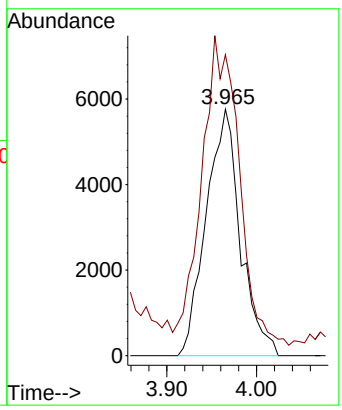




#8
Diethyl Ether
Concen: 6.505 ug/l
RT: 3.965 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 74 Resp: 1522

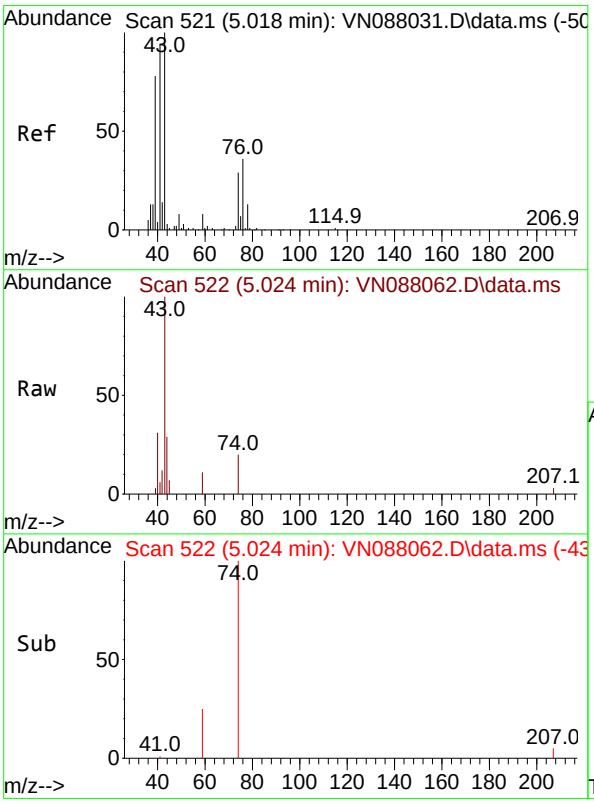
Ion	Ratio	Lower	Upper
74	100		
45	67.5	20.4	183.8



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

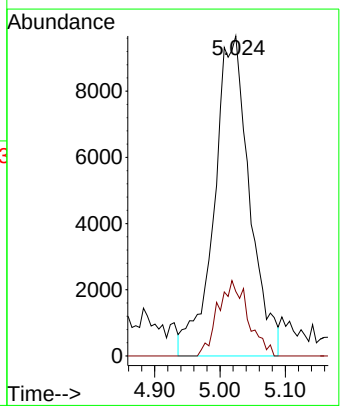
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

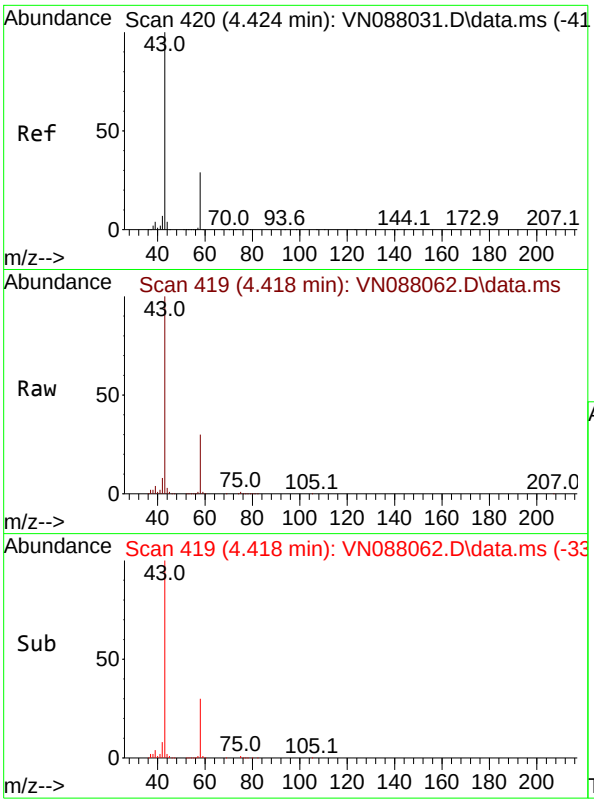


#12
Methyl Acetate
Concen: 7.536 ug/l m
RT: 5.024 min Scan# 522
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 36246

Ion	Ratio	Lower	Upper
43	100		
74	20.2	23.3	34.9#

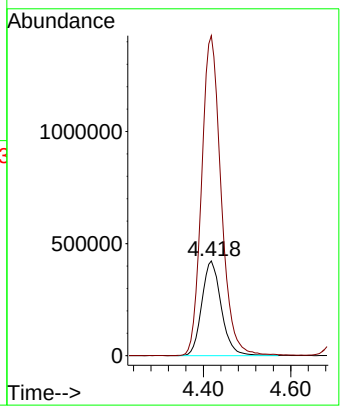




#15
Acetone
Concen: 1928.099 ug/l
RT: 4.418 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 58 Resp: 131059

Ion	Ratio	Lower	Upper
58	100		
43	337.3	282.6	424.0



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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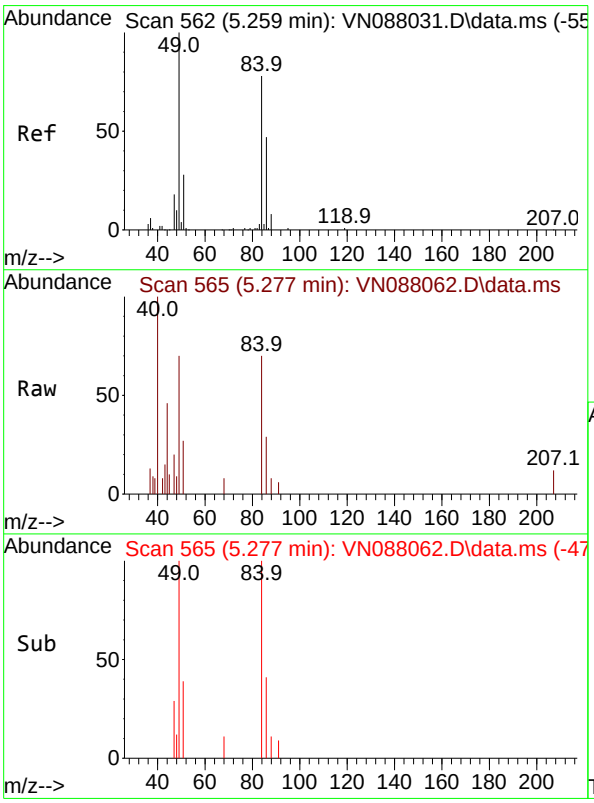
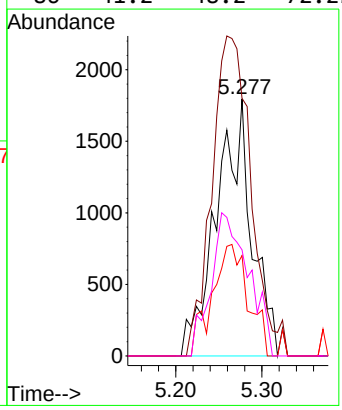
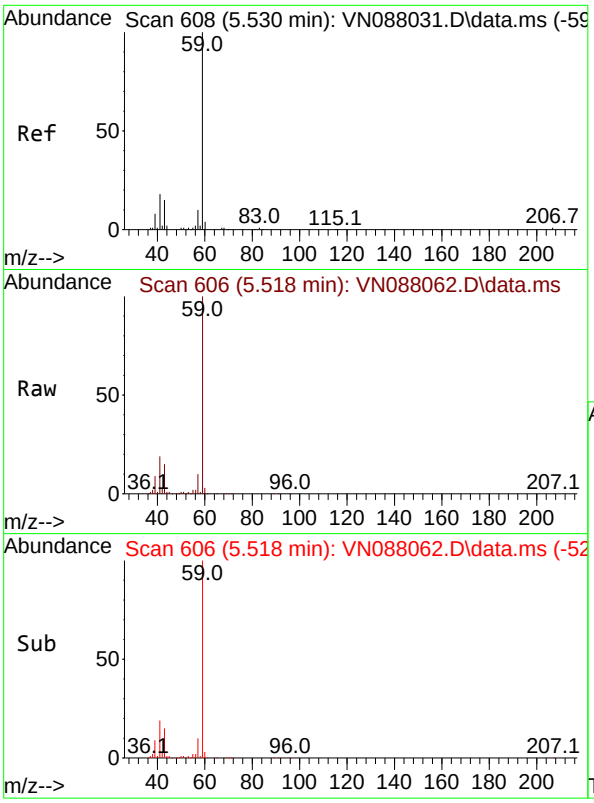


#18
Methylene Chloride
Concen: 1.355 ug/l m
RT: 5.277 min Scan# 565
Delta R.T. 0.018 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 84 Resp: 5096

Ion	Ratio	Lower	Upper
84	100		
49	100.2	102.6	153.8#
51	39.1	28.6	42.8
86	41.2	48.2	72.2#





#23
tert-Butyl Alcohol
Concen: 6968.927 ug/l
RT: 5.518 min Scan# 6
Delta R.T. -0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 59 Resp: 648727

Ion	Ratio	Lower	Upper
59	100		
52	0.2	0.0	0.0#

Instrument :
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VOA 251015111-01

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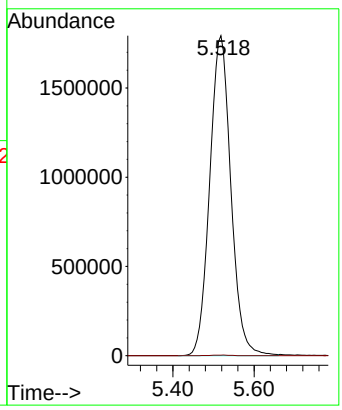
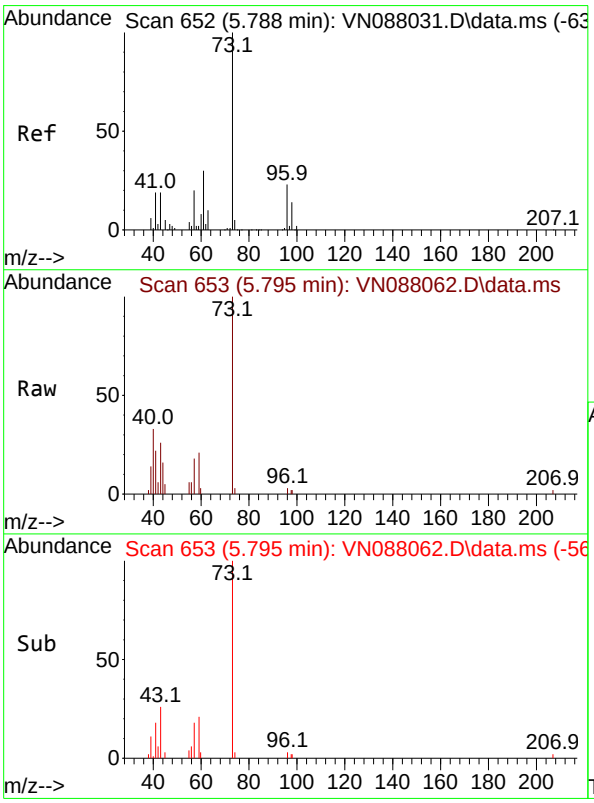
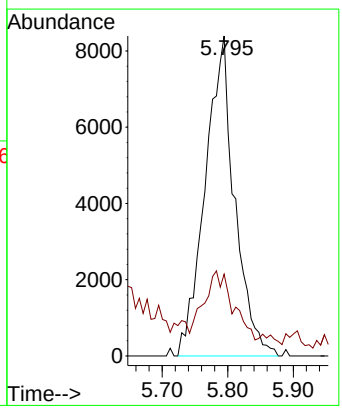


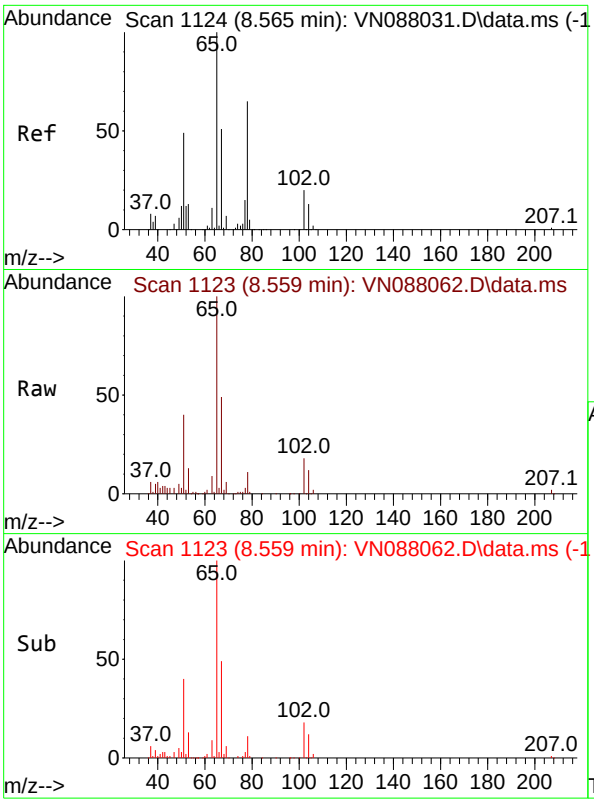


#24
Methyl tert-Butyl Ether
Concen: 2.050 ug/l
RT: 5.795 min Scan# 653
Delta R.T. 0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 73 Resp: 26182

Ion	Ratio	Lower	Upper
73	100		
43	14.7	17.0	25.4#





#27
1,2-Dichloroethane-d4
Concen: 30.887 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 65 Resp: 13533

Ion	Ratio	Lower	Upper
65	100		
67	53.1	41.9	62.9

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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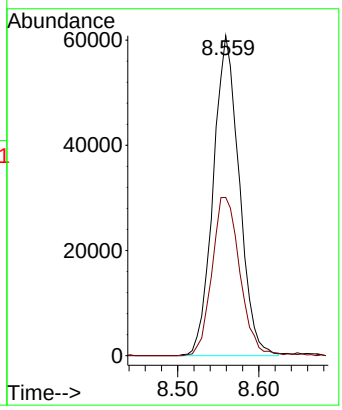
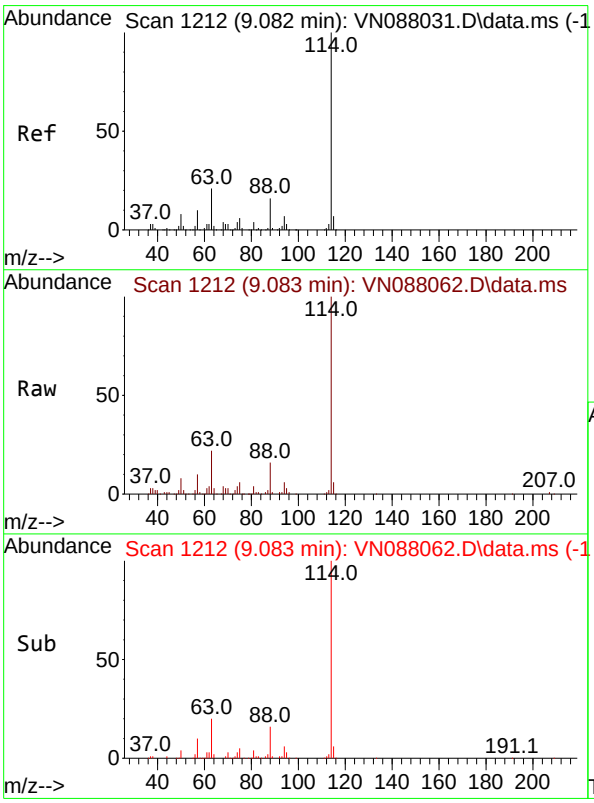
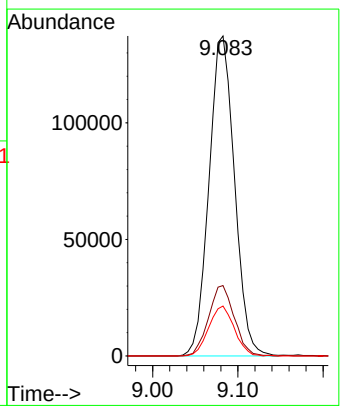


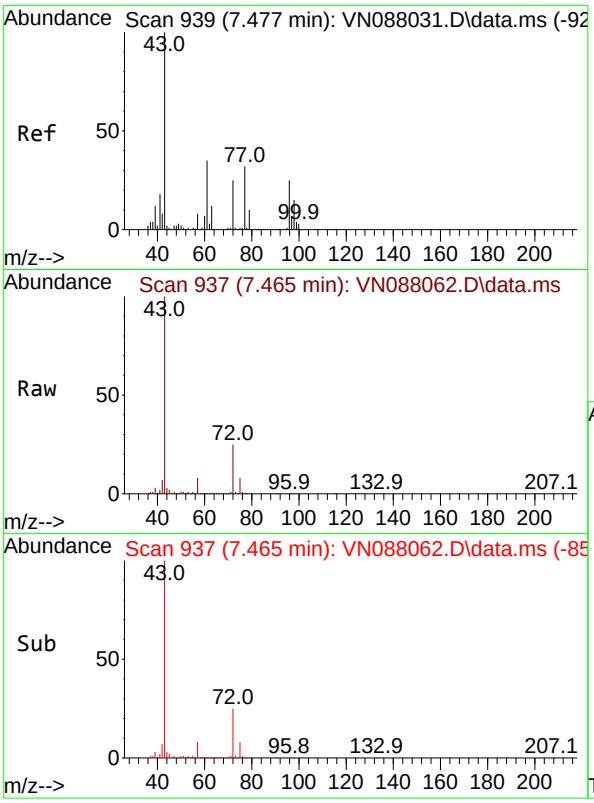


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:114 Resp: 286128

Ion	Ratio	Lower	Upper
114	100		
63	22.2	16.6	25.0
88	15.6	12.6	18.8





#30
2-Butanone
Concen: 2602.670 ug/l
RT: 7.465 min Scan# 9
Delta R.T. -0.012 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 787276

Ion	Ratio	Lower	Upper
43	100		
57	7.9	6.5	9.7
72	24.3	21.4	32.2

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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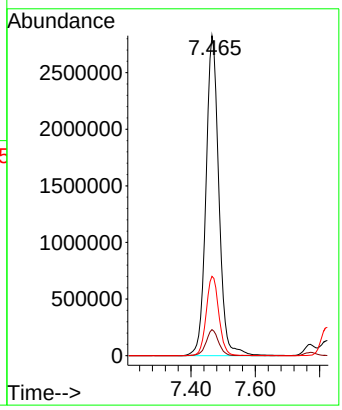
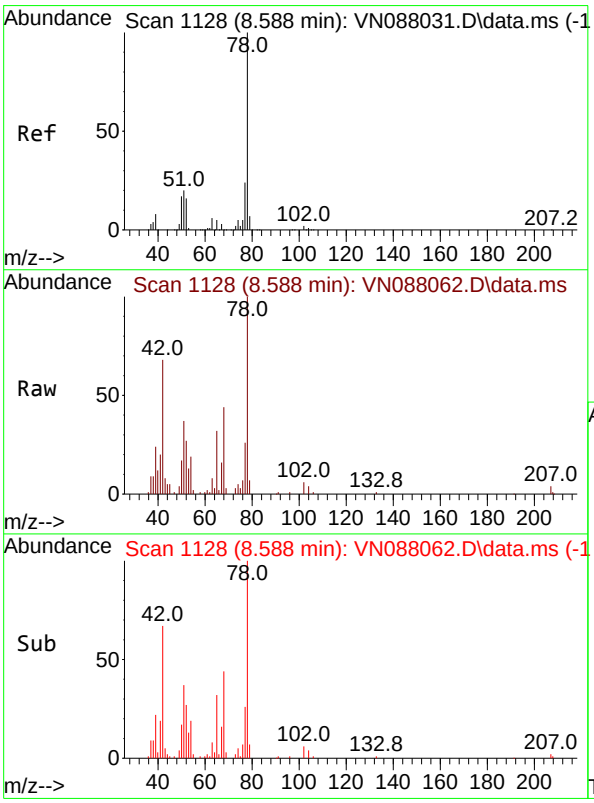
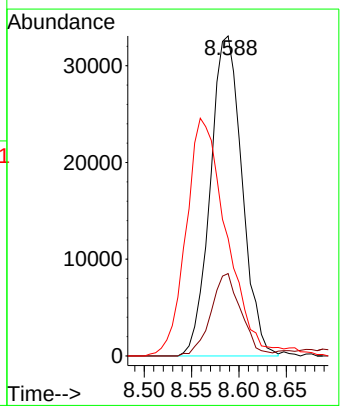


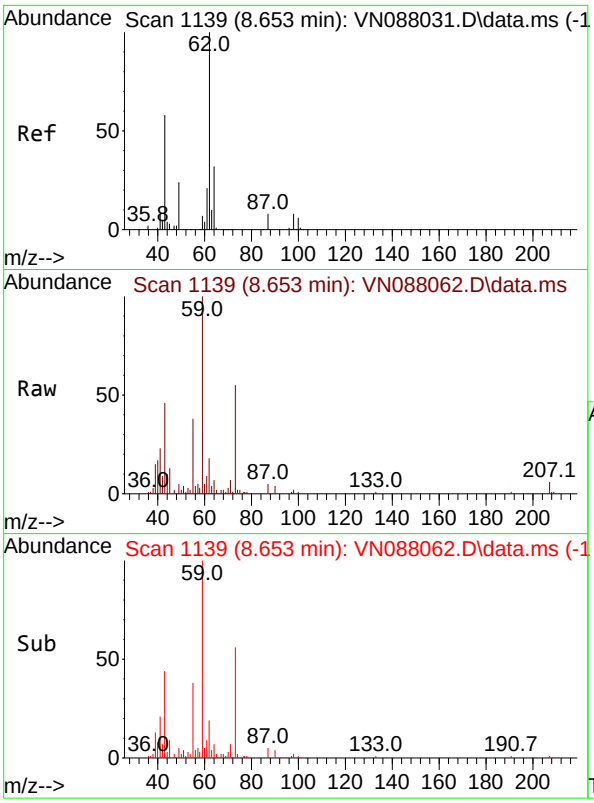


#34
Benzene
Concen: 5.673 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 78 Resp: 77179

Ion	Ratio	Lower	Upper
78	100		
77	25.7	18.9	28.3
51	34.1	15.6	23.4#





#36
1,2-Dichloroethane
Concen: 1.961 ug/l m
RT: 8.653 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 62 Resp: 926

Ion	Ratio	Lower	Upper
62	100		
98	1.3	7.8	11.6#

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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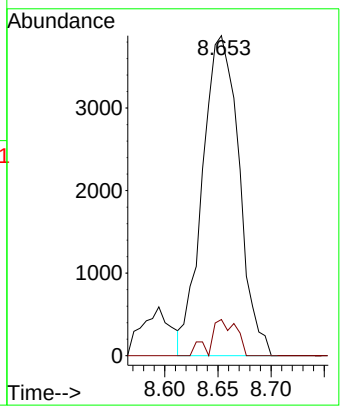
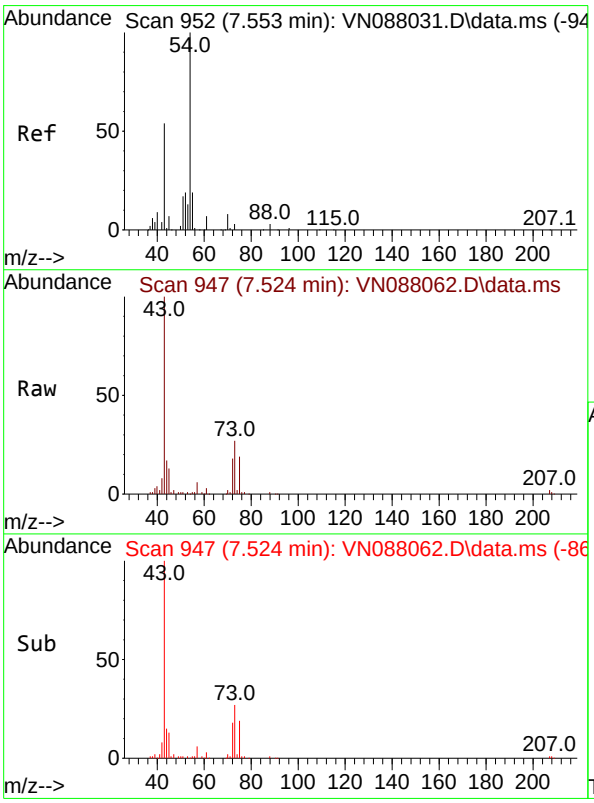
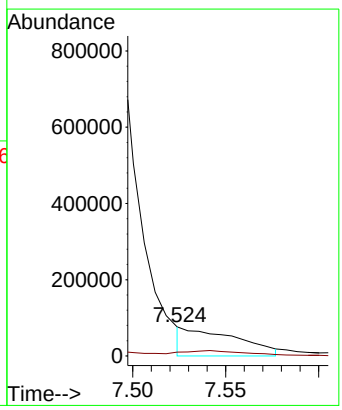


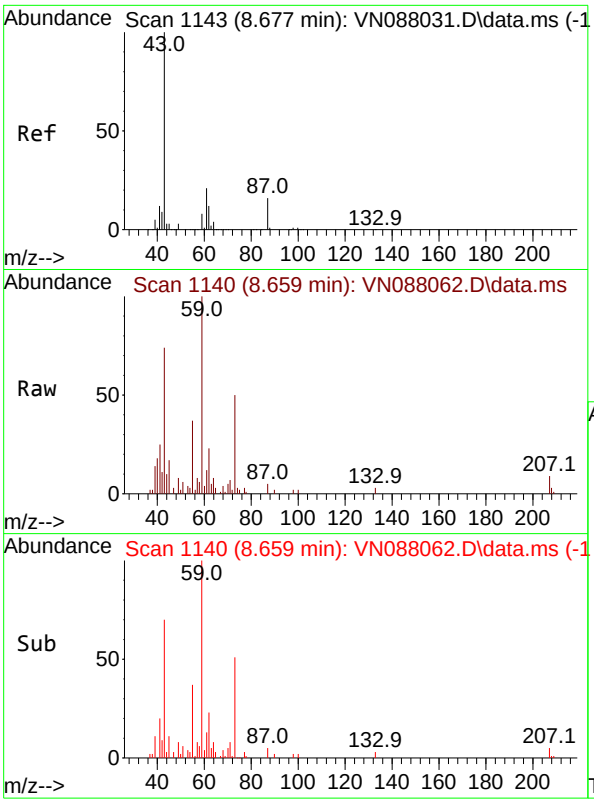


#43
Ethyl Acetate
Concen: 25.422 ug/l m
RT: 7.524 min Scan# 947
Delta R.T. -0.029 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 147822

Ion	Ratio	Lower	Upper
43	100		
45	737.9	10.2	15.4#





#44
Isopropyl Acetate
Concen: 2.301 ug/l m
RT: 8.659 min Scan# 1
Delta R.T. -0.017 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 2184

Ion	Ratio	Lower	Upper
43	100		
61	12.8	18.7	28.1#

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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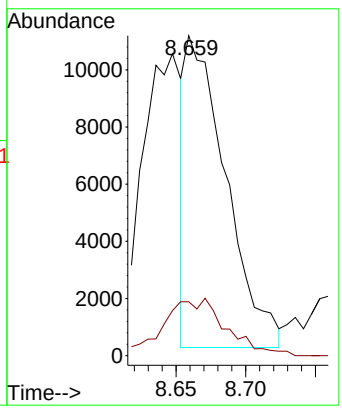
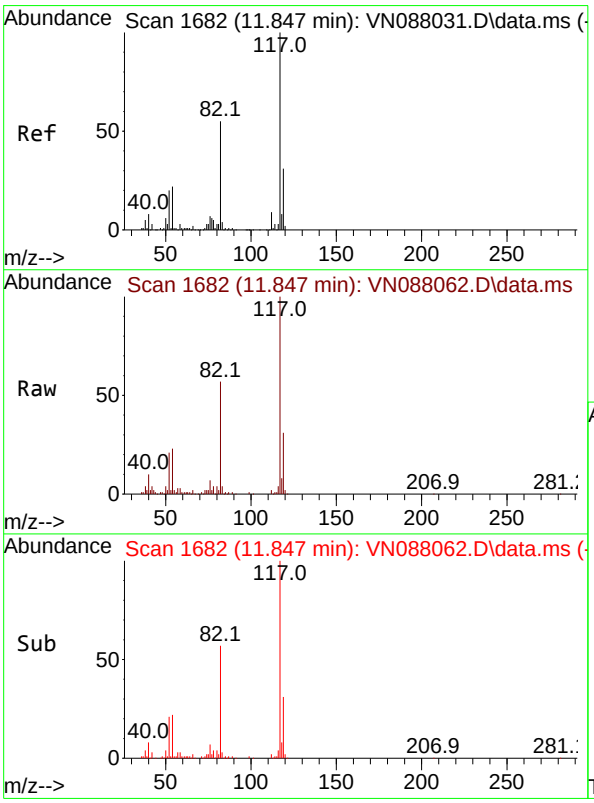
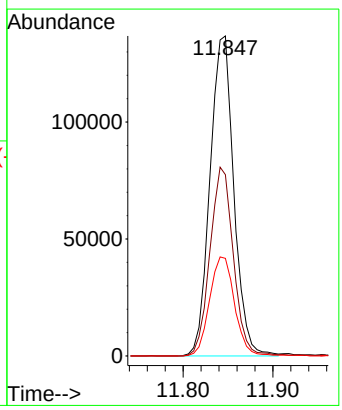


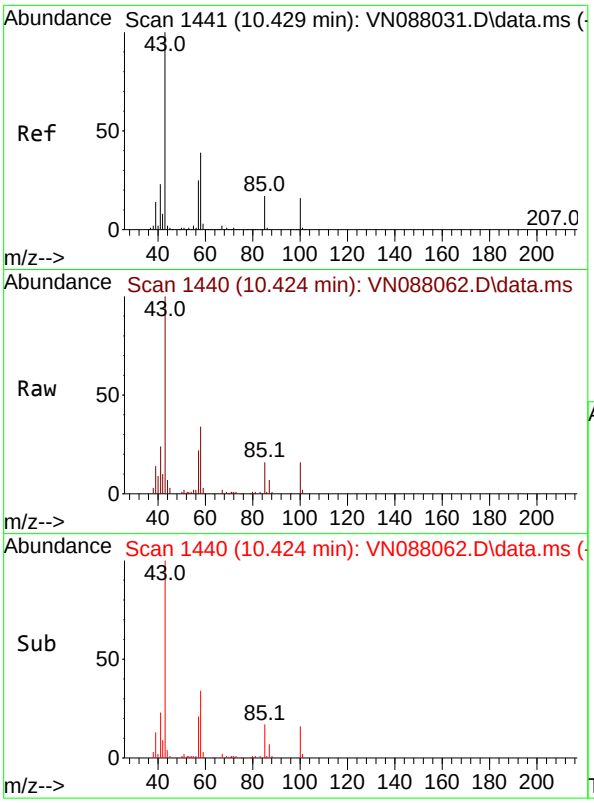


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:117 Resp: 252527

Ion	Ratio	Lower	Upper
117	100		
82	57.9	45.2	67.8
119	32.3	25.9	38.9





#58
4-Methyl-2-Pentanone
Concen: 17.366 ug/l
RT: 10.424 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 43 Resp: 9809

Ion	Ratio	Lower	Upper
43	100		
58	27.2	31.2	46.8#
85	12.3	13.7	20.5#

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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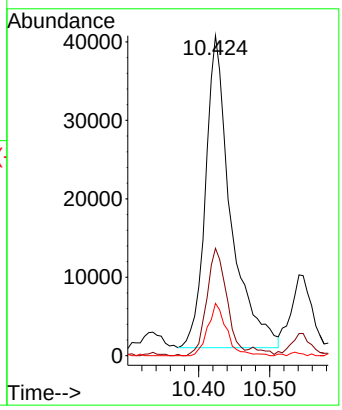
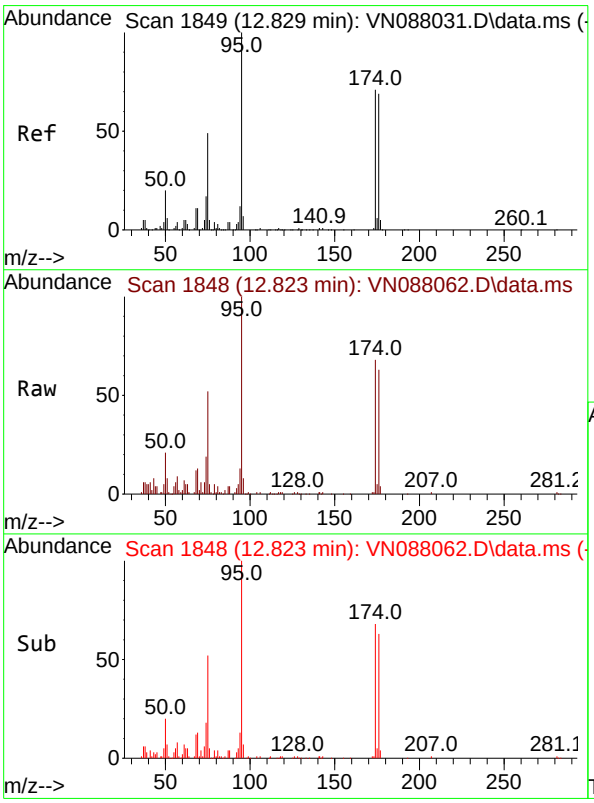
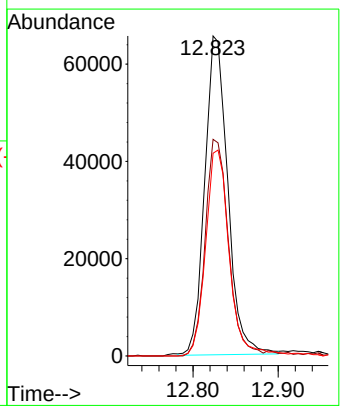


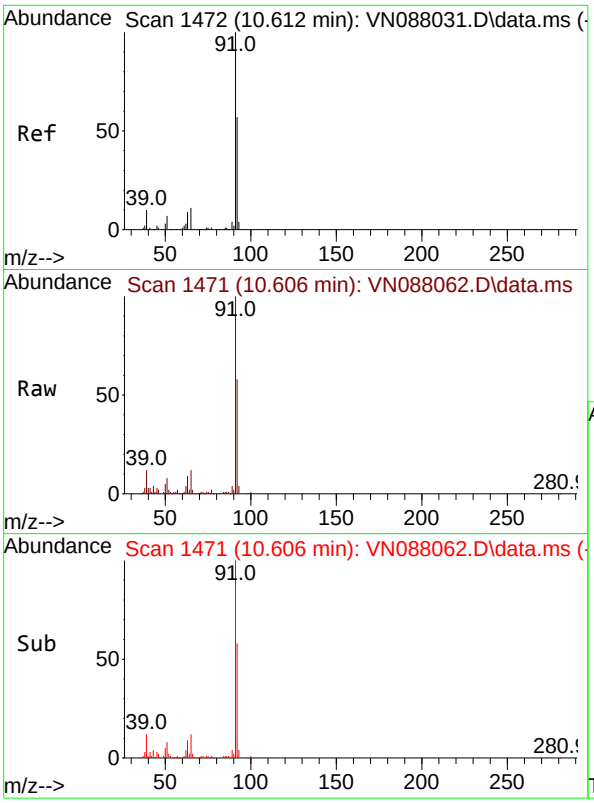


#60
4-Bromofluorobenzene
Concen: 29.603 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 95 Resp: 123237

Ion	Ratio	Lower	Upper
95	100		
174	68.6	57.4	86.0
176	65.4	57.0	85.4





#62
Toluene
Concen: 18.332 ug/l
RT: 10.606 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 91 Resp: 26258

Ion	Ratio	Lower	Upper
91	100		
92	57.7	45.8	68.8

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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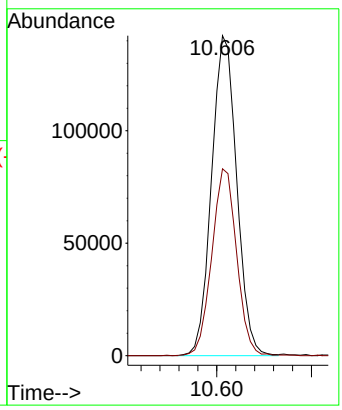
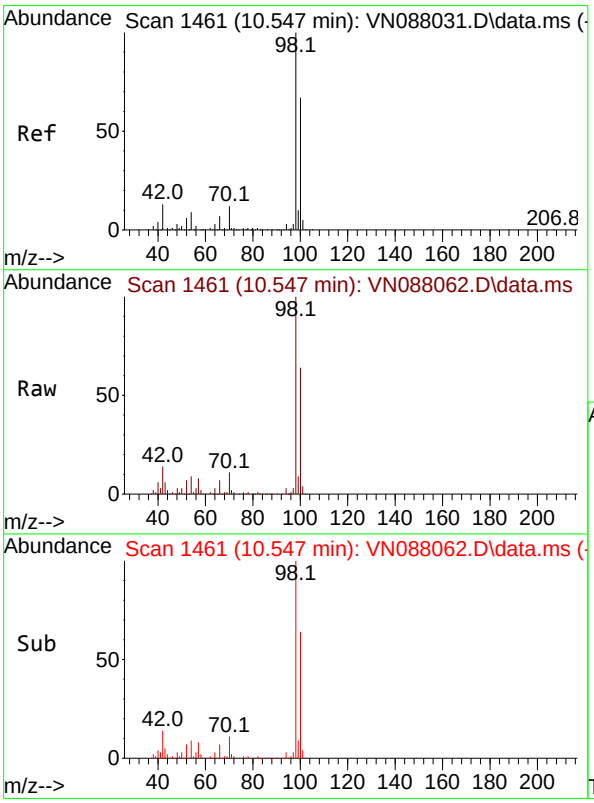
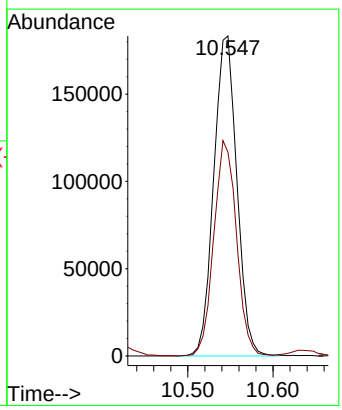


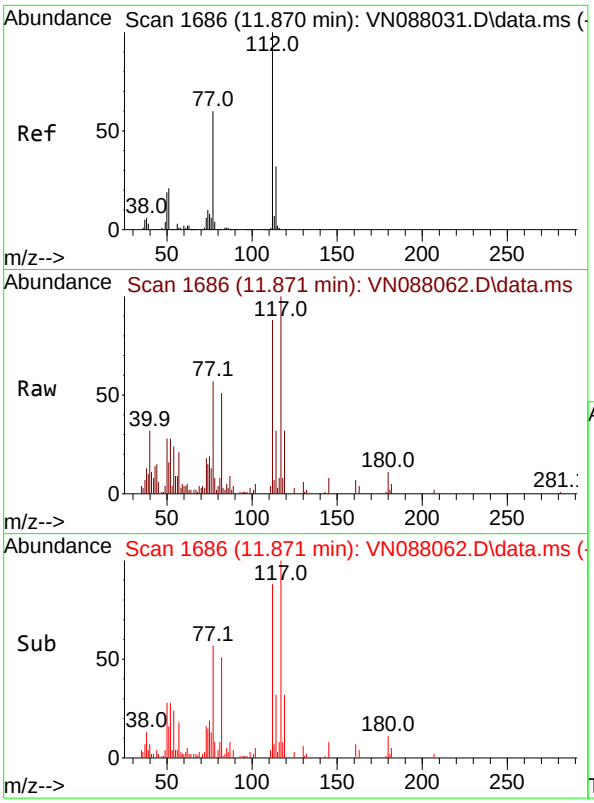


#63
Toluene-d8
Concen: 30.789 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 98 Resp: 346407

Ion	Ratio	Lower	Upper
98	100		
100	66.1	53.1	79.7





#64
Chlorobenzene
Concen: 2.278 ug/l
RT: 11.871 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:112 Resp: 2084

Ion	Ratio	Lower	Upper
112	100		
114	33.4	25.7	38.5

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

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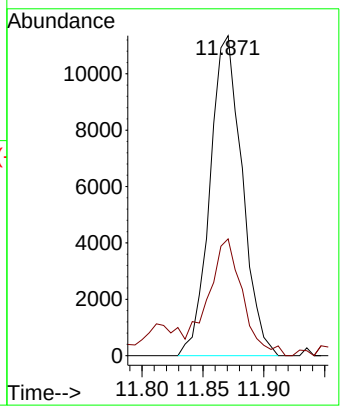
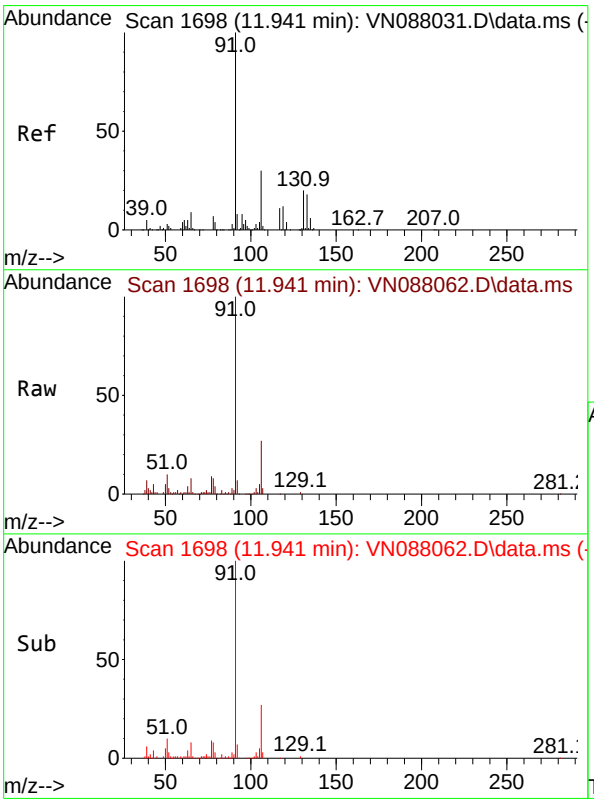
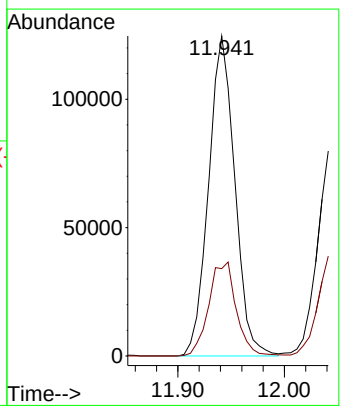


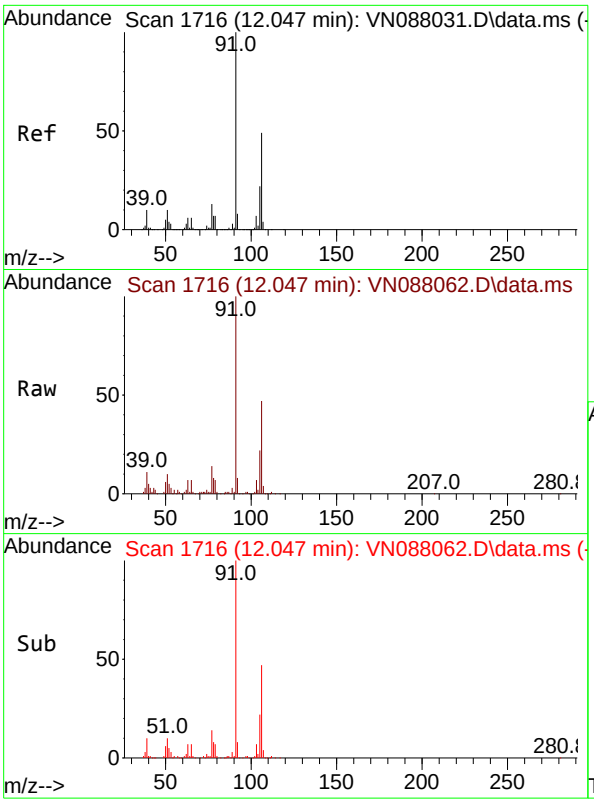


#66
Ethyl Benzene
Concen: 13.689 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 91 Resp: 213209

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.0	36.0





#67
m/p-Xylenes
Concen: 13.048 ug/l
RT: 12.047 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

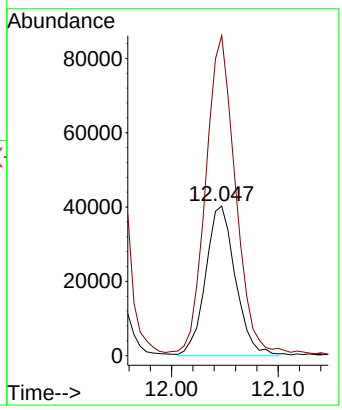
Tgt Ion:106 Resp: 7834

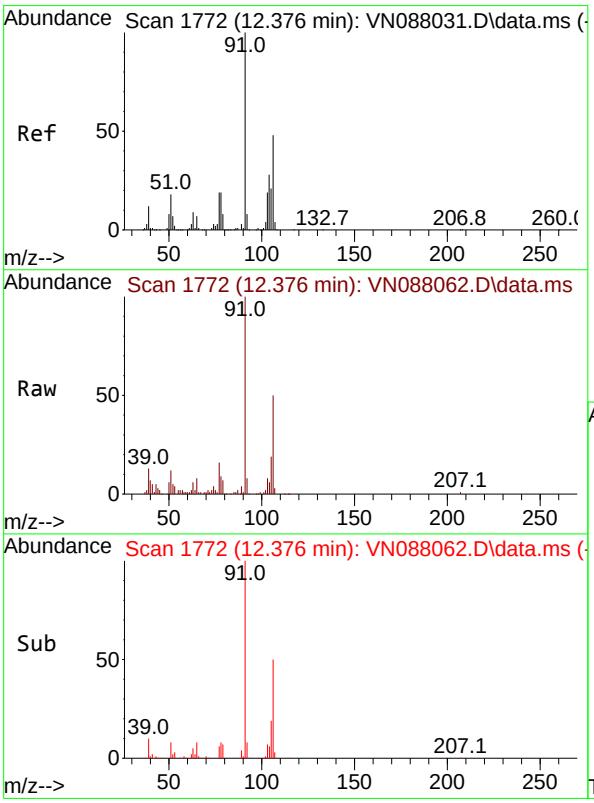
Ion	Ratio	Lower	Upper
106	100		
91	207.2	161.4	242.0

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

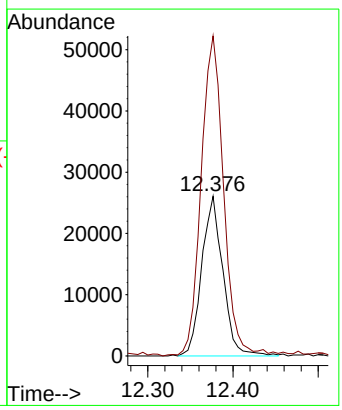


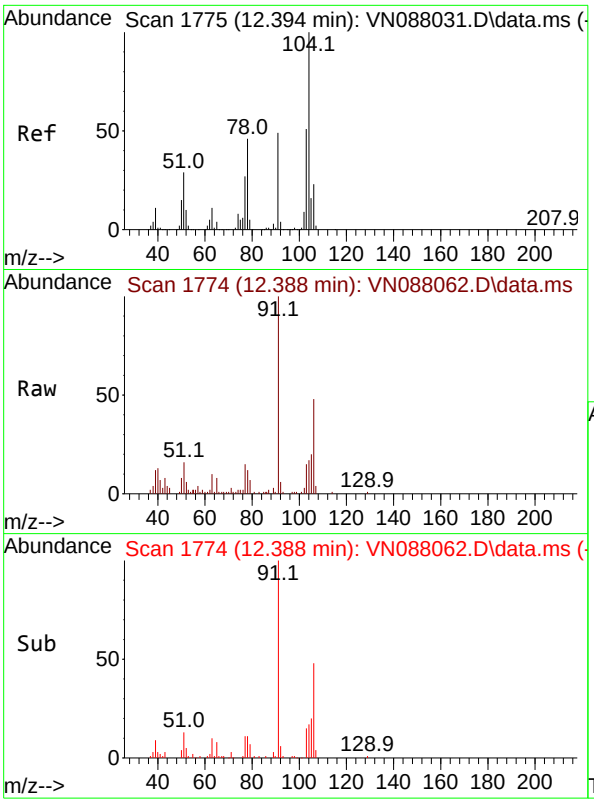


#68
o-Xylene
Concen: 7.521 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:106 Resp: 44956

Ion	Ratio	Lower	Upper
106	100		
91	208.2	105.2	315.6

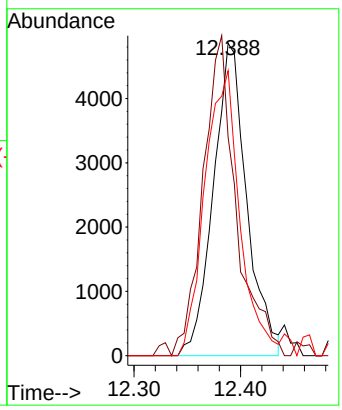




#69
Styrene
Concen: 1.072 ug/l
RT: 12.388 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:104 Resp: 1060

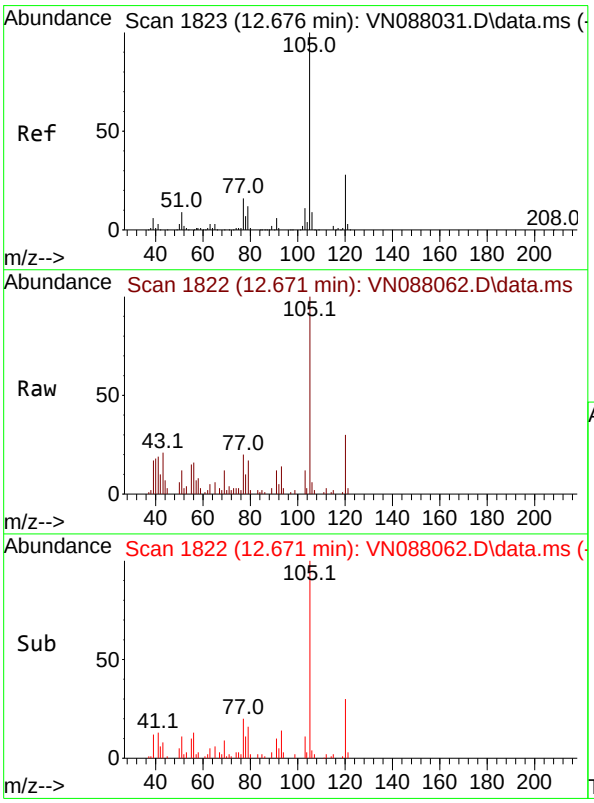
Ion	Ratio	Lower	Upper
104	100		
78	101.1	41.8	62.6#
103	95.3	44.9	67.3#



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

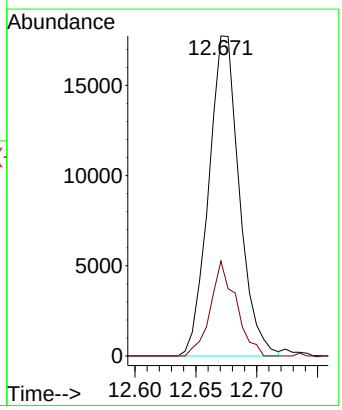
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

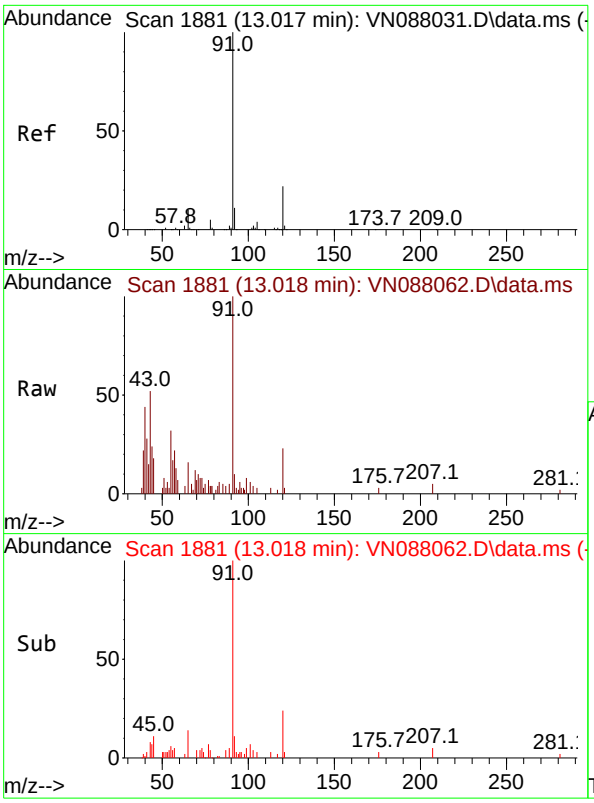


#70
Isopropylbenzene
Concen: 2.126 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:105 Resp: 31140

Ion	Ratio	Lower	Upper
105	100		
120	24.8	19.1	35.5

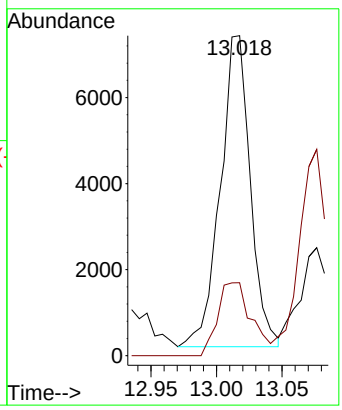




#74
n-propylbenzene
Concen: 0.650 ug/l
RT: 13.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion: 91 Resp: 1149

Ion	Ratio	Lower	Upper
91	100		
120	26.5	0.0	46.2



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
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Reviewed By :John Carlone 10/20/2025
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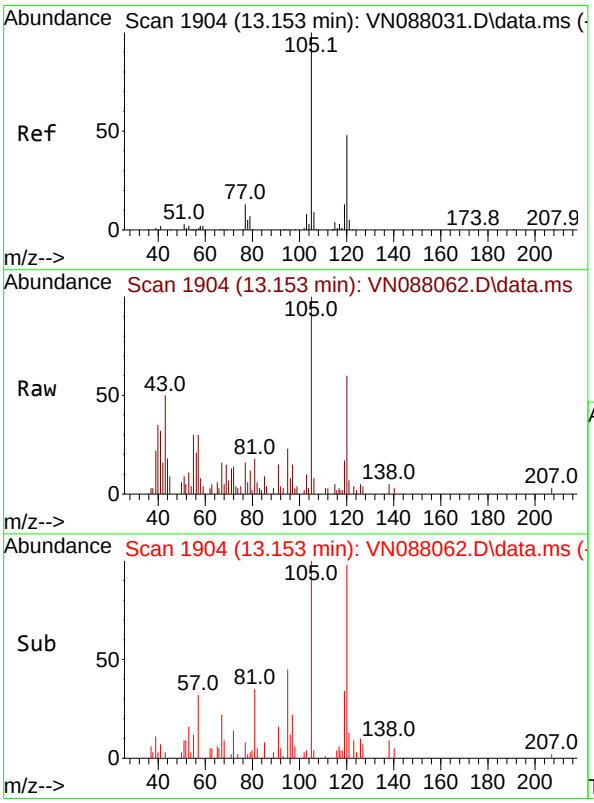
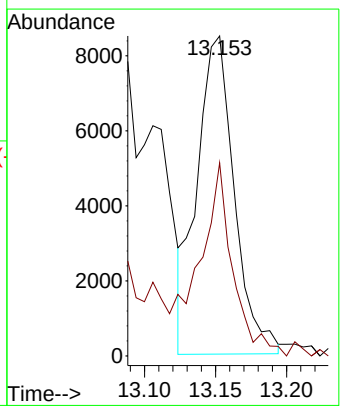
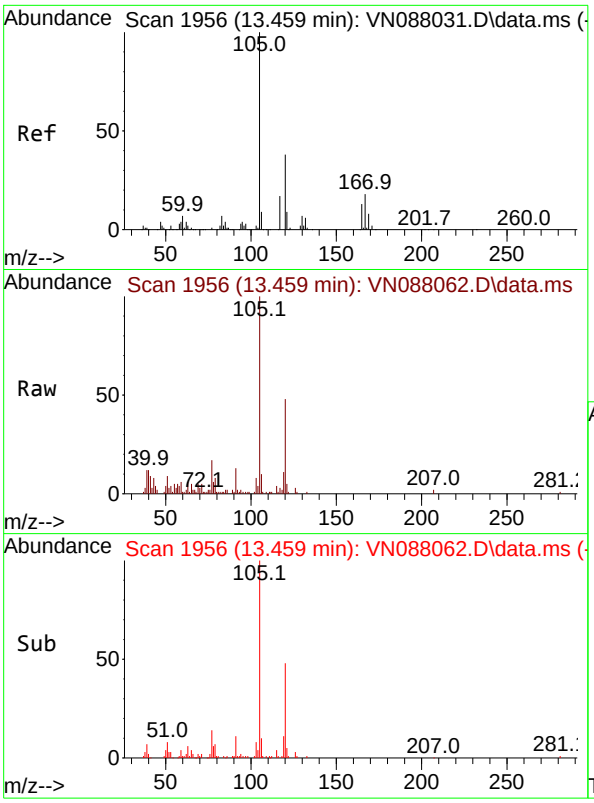


#76
1,3,5-Trimethylbenzene
Concen: 1.248 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:105 Resp: 15530

Ion	Ratio	Lower	Upper
105	100		
120	51.9	0.0	100.6





#80
1,2,4-Trimethylbenzene
Concen: 4.627 ug/l
RT: 13.459 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:105 Resp: 5764

Ion	Ratio	Lower	Upper
105	100		
120	46.6	0.0	93.8

Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
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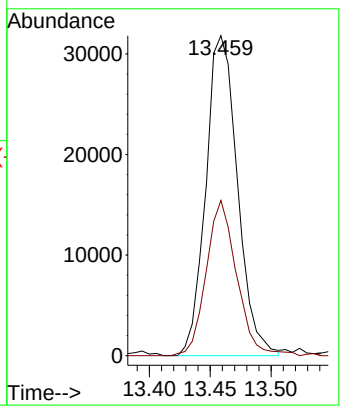
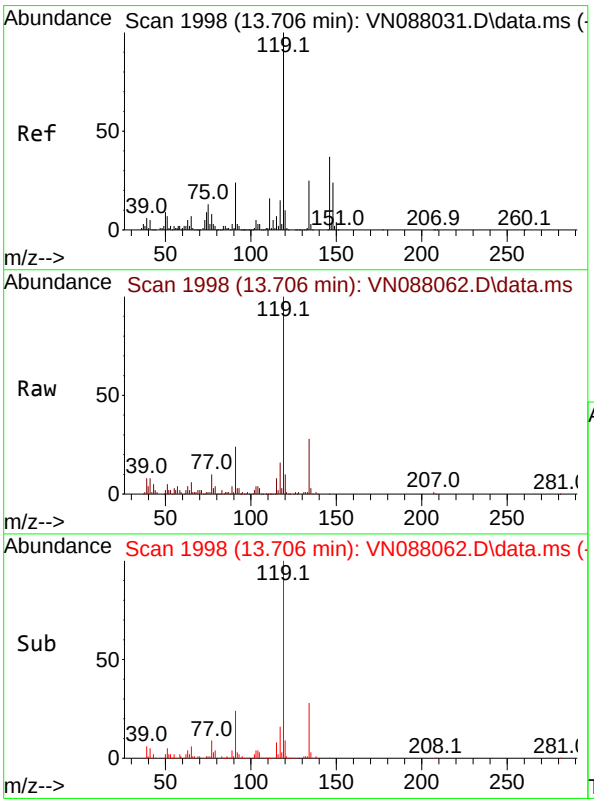
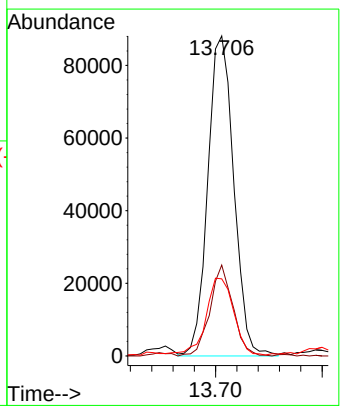


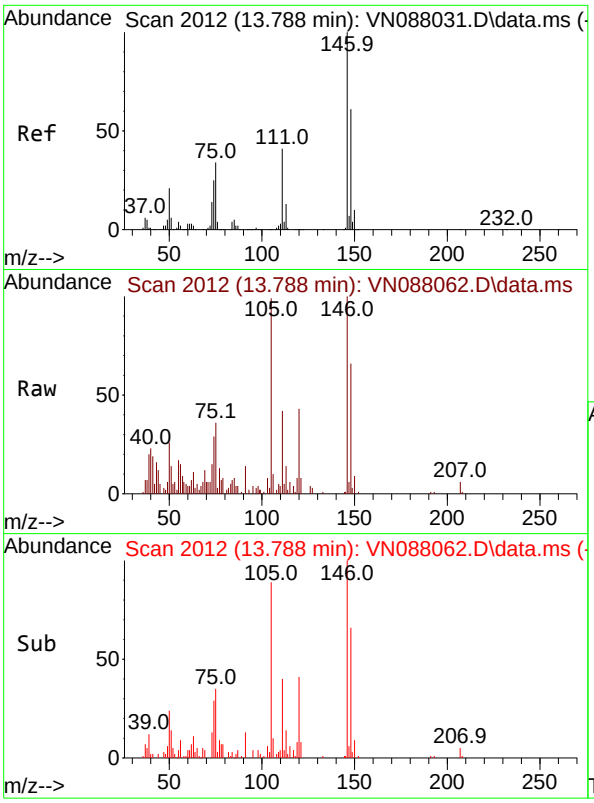


#82
p-Isopropyltoluene
Concen: 11.530 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:119 Resp: 149310

Ion	Ratio	Lower	Upper
119	100		
134	25.1	0.0	52.6
91	26.3	0.0	48.2

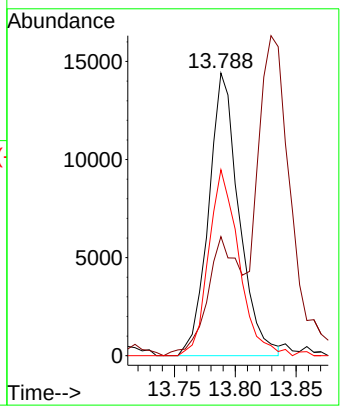




#84
1,4-Dichlorobenzene
Concen: 3.606 ug/l
RT: 13.788 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:146 Resp: 2505

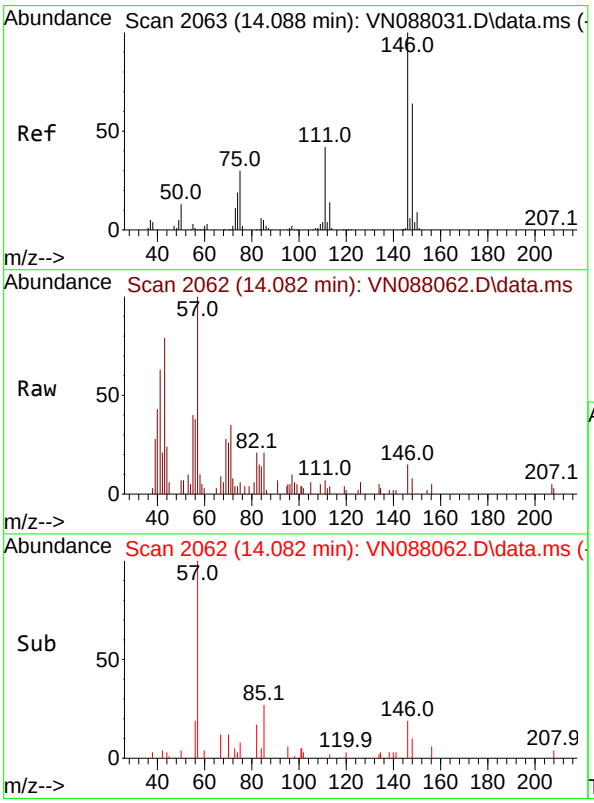
Ion	Ratio	Lower	Upper
146	100		
111	43.3	20.5	61.6
148	65.8	31.9	95.9



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

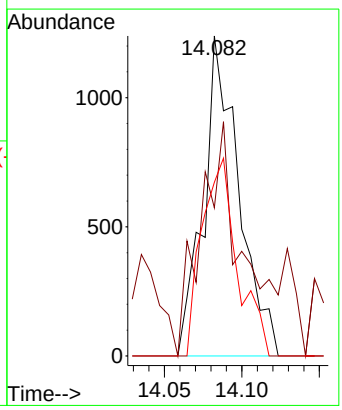
Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

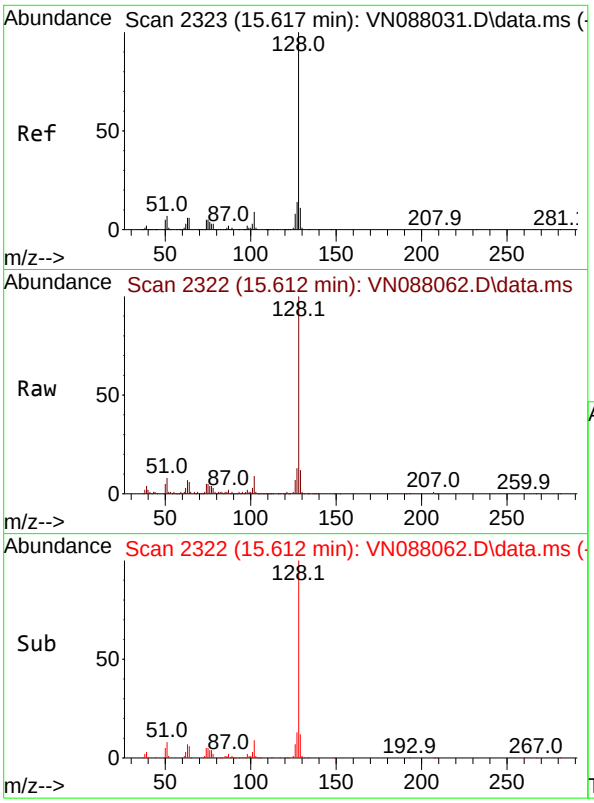


#87
1,2-Dichlorobenzene
Concen: 0.296 ug/l
RT: 14.082 min Scan# 2062
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:146 Resp: 1960

Ion	Ratio	Lower	Upper
146	100		
111	59.0	22.3	66.8
148	54.6	31.4	94.3

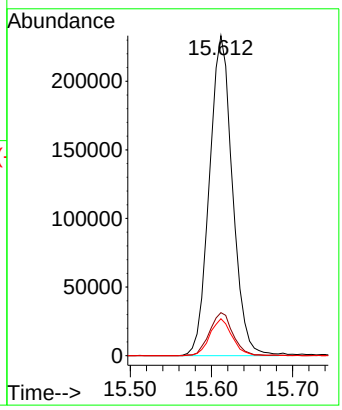




#91
Naphthalene
Concen: 31.906 ug/l
RT: 15.612 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN088062.D
Acq: 17 Oct 2025 12:34

Tgt Ion:128 Resp: 46106

Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.3	15.5
129	11.1	8.6	13.0



Instrument :
MSVOA_N
ClientSampleId :
VOA 251015111-01

Manual Integrations
APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Raw Data: **VN088059.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:	10/15/25
Project:	Waste Water 2025	Date Received:	10/16/25
Client Sample ID:	Trip blank 251015076-04	SDG No.:	Q3361
Lab Sample ID:	Q3361-02	Matrix:	Water
Analytical Method:	E624.1 Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	10/17/25 11:32	VN101725
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	10/17/25 11:32	VN101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	32.3			91 - 110	108%	SPK: 30		
2037-26-5	Toluene-d8	31.2			91 - 112	104%	SPK: 30		
460-00-4	4-Bromofluorobenzene	28.9			63 - 112	96%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	35300							
540-36-3	1,4-Difluorobenzene	198000							
3114-55-4	Chlorobenzene-d5	171000							

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: **VN088059.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088059.D
Acq On : 17 Oct 2025 11:32
Operator : JC\MD
Sample : Q3361-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-04

Quant Time: Oct 18 01:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	35289	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	197802	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	171281	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	88833	32.328	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.767%			
60) 4-Bromofluorobenzene	12.829	95	81706	28.936	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.467%			
63) Toluene-d8	10.547	98	237829	31.165	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 103.867%			
Target Compounds						Qvalue

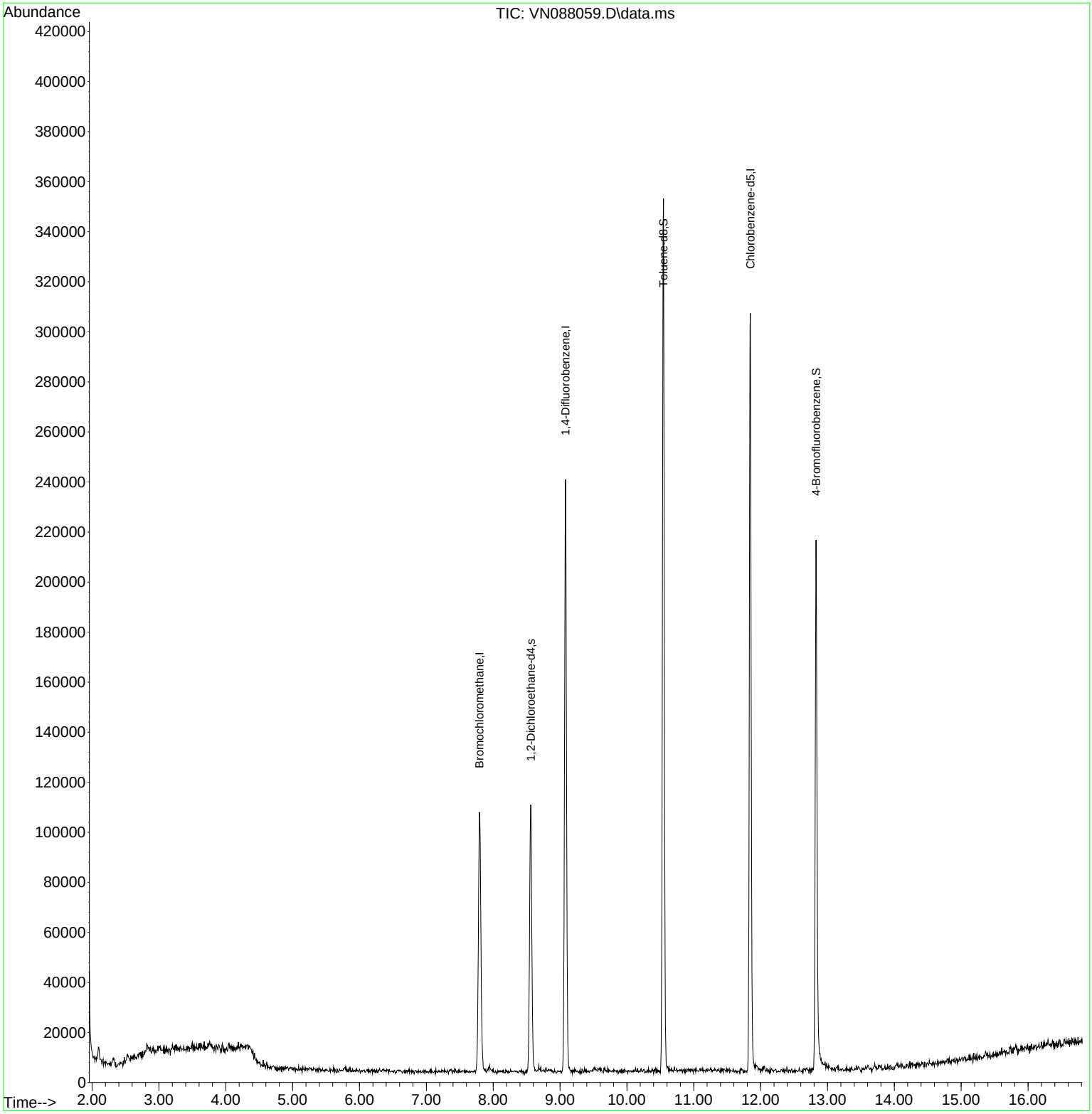
(#) = qualifier out of range (m) = manual integration (+) = signals summed

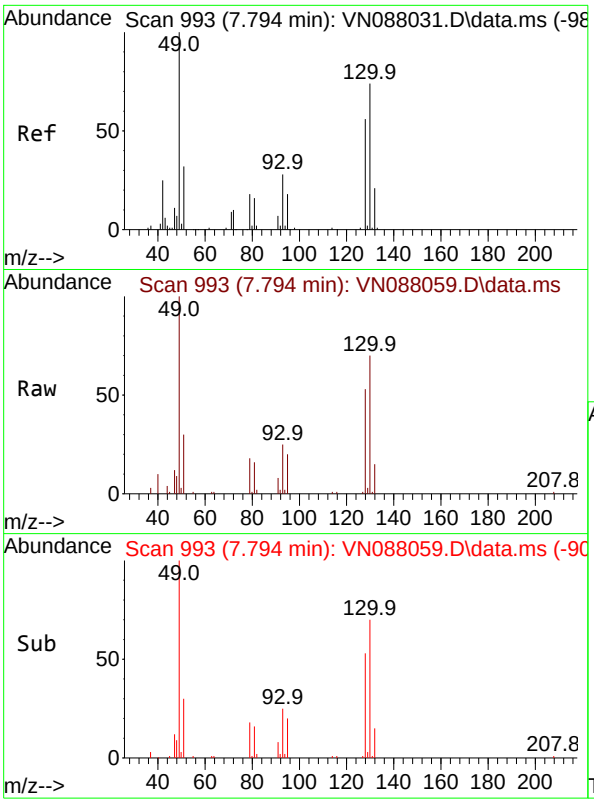
Sample Results: **VN088059.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088059.D
Acq On : 17 Oct 2025 11:32
Operator : JC\MD
Sample : Q3361-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-04

Quant Time: Oct 18 01:27:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration



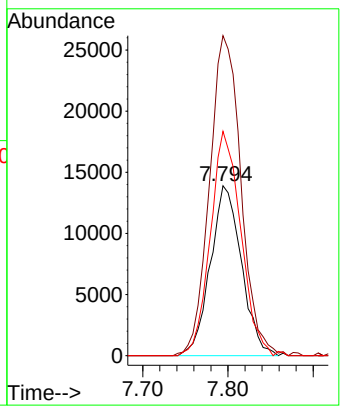


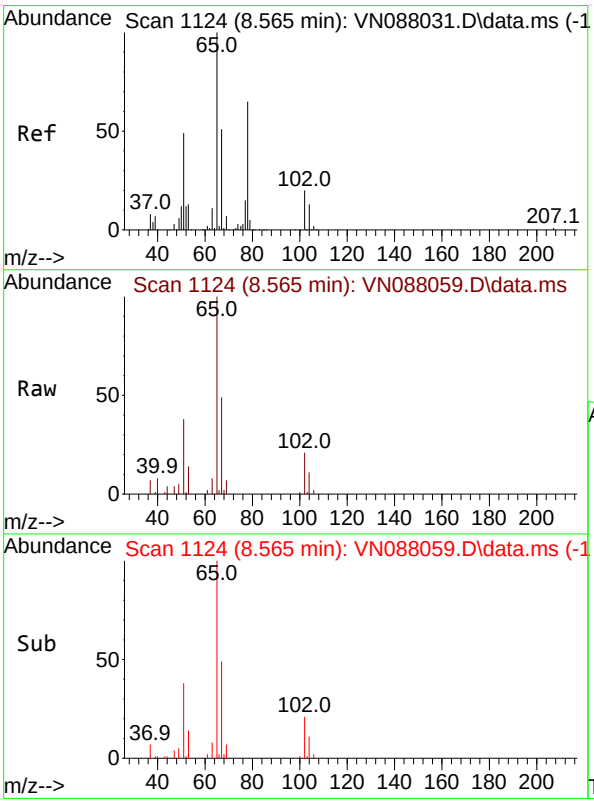
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-04

Tgt Ion:128 Resp: 35289

Ion	Ratio	Lower	Upper
128	100		
49	190.6	0.0	439.8
130	129.1	0.0	325.8

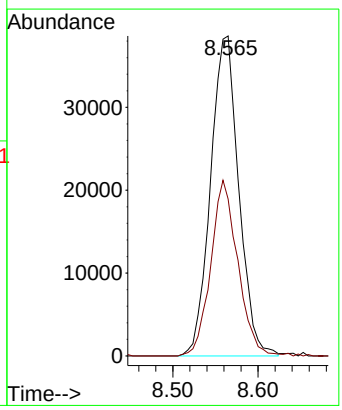


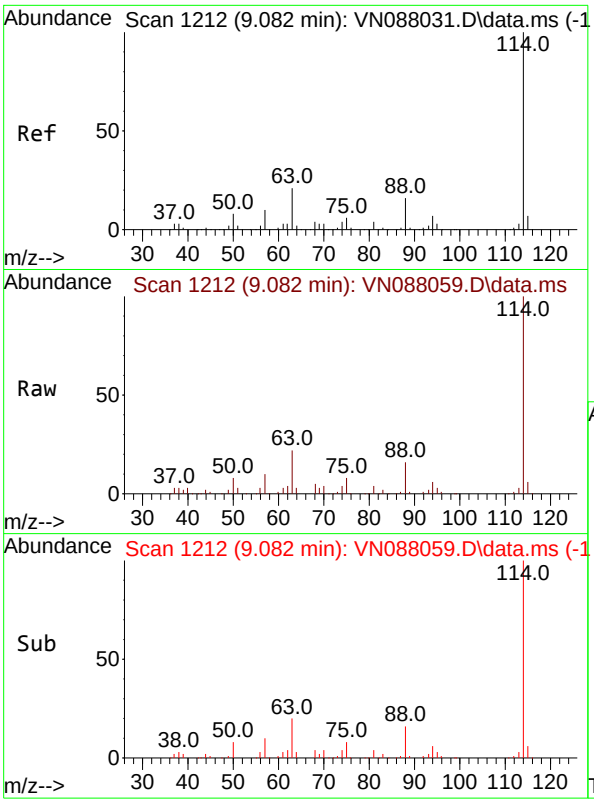


#27
1,2-Dichloroethane-d4
Concen: 32.328 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. -0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Tgt Ion: 65 Resp: 88833

Ion	Ratio	Lower	Upper
65	100		
67	52.6	41.9	62.9



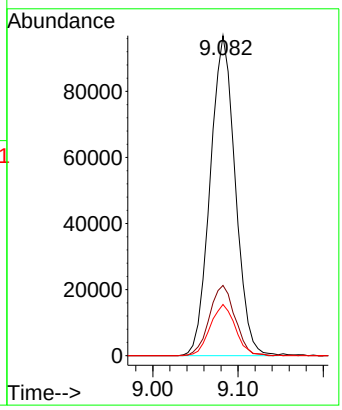


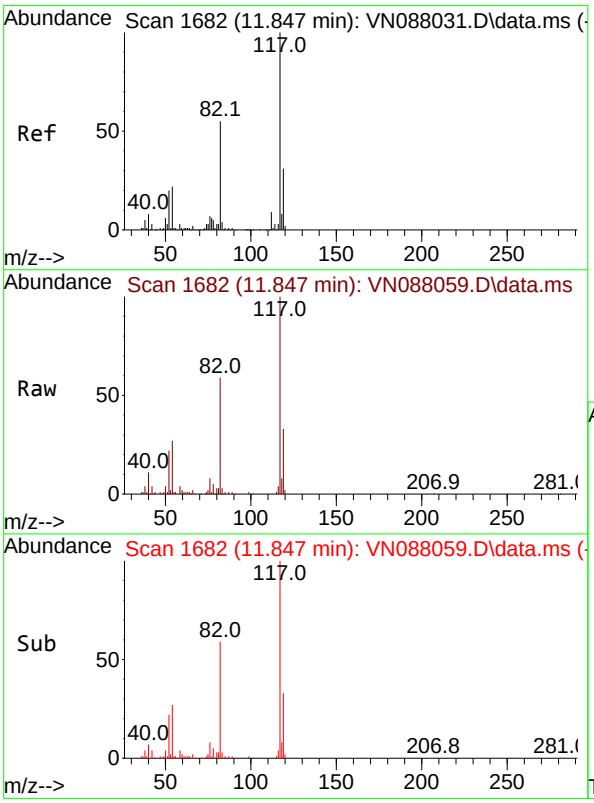
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-04

Tgt Ion:114 Resp: 197802

Ion	Ratio	Lower	Upper
114	100		
63	22.4	16.6	25.0
88	16.1	12.6	18.8

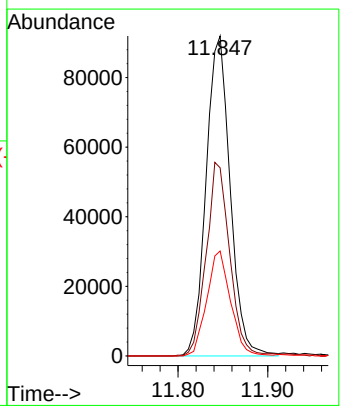


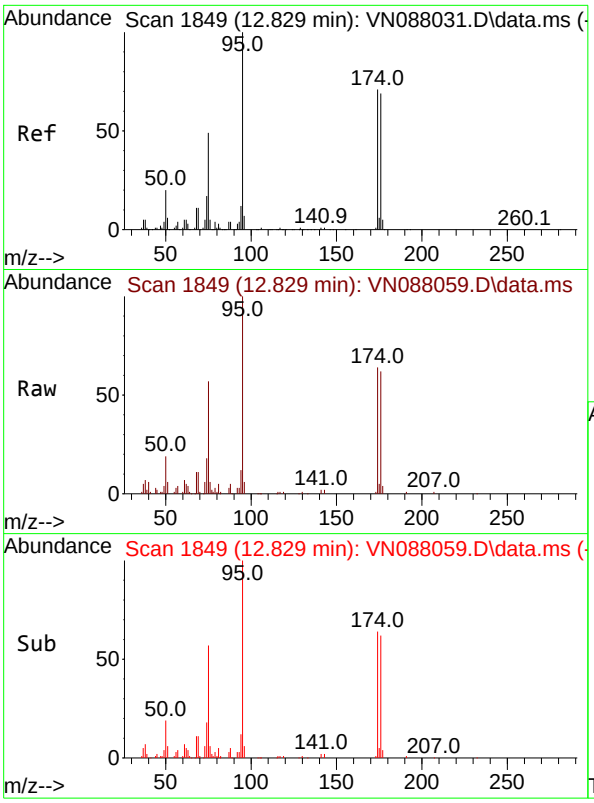


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Tgt Ion:117 Resp: 171281

Ion	Ratio	Lower	Upper
117	100		
82	59.3	45.2	67.8
119	32.4	25.9	38.9



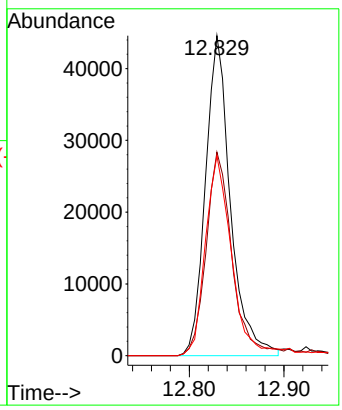


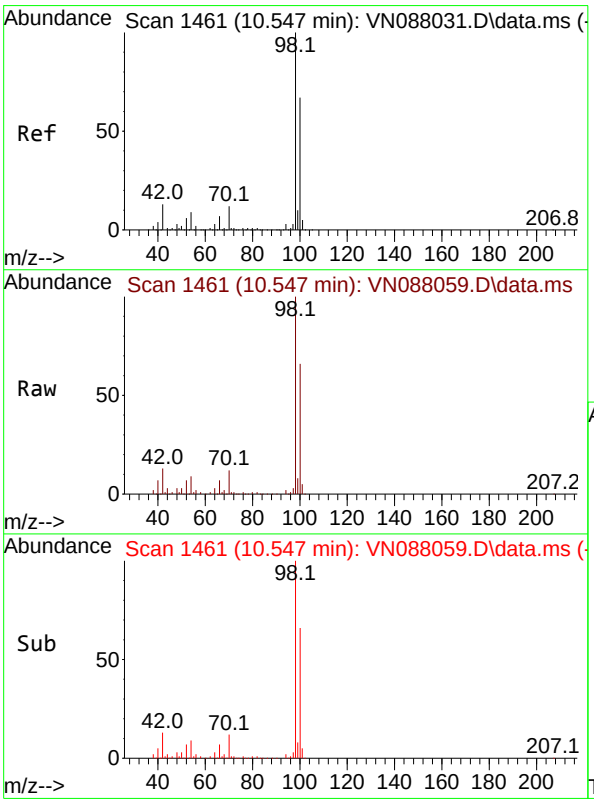
#60
4-Bromofluorobenzene
Concen: 28.936 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Instrument :
MSVOA_N
ClientSampleId :
Trip blank 251015076-04

Tgt Ion: 95 Resp: 81706

Ion	Ratio	Lower	Upper
95	100		
174	64.9	57.4	86.0
176	65.3	57.0	85.4

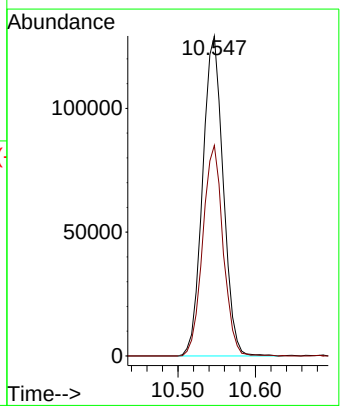




#63
Toluene-d8
Concen: 31.165 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN088059.D
Acq: 17 Oct 2025 11:32

Tgt Ion: 98 Resp: 237829

Ion	Ratio	Lower	Upper
98	100		
100	65.2	53.1	79.7



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.: Q3361

Instrument ID: MSVOA_N Calibration Date(s): 10/08/2025 10/08/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:34 11:12

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

LAB FILE ID: RRF005 = VN088030.D RRF020 = VN088031.D RRF050 = VN088032.D
RRF100 = VN088033.D RRF150 = VN088034.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Acrolein	0.452	0.353	0.360	0.411	0.408		0.397	10.3
Acrylonitrile	1.269	1.221	1.203	1.302	1.193		1.238	3.7
1,2-Dichloroethane-d4	2.303	2.319	2.360	2.378	2.319		2.336	1.4
Toluene-d8	1.344	1.343	1.333	1.329	1.334		1.337	0.5
4-Bromofluorobenzene	0.488	0.497	0.493	0.507	0.489		0.495	1.5

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

Response Factor Report MSVOA_N_NEW

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N100825W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Oct 09 02:36:32 2025
Response Via : Initial Calibration

Calibration Files
5 =VN088030.D 20 =VN088031.D 50 =VN088032.D 100 =VN088033.D 150 =VN088034.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.490	1.788	1.711	1.867	1.736	1.718	8.19
3)	M	Chloromethane	1.918	1.942	1.878	2.057	1.945	1.948	3.42
4)	M	Vinyl Chloride	2.020	2.044	1.970	2.142	1.981	2.031	3.38
5)	M	Bromomethane	1.037	1.041	1.067	1.211	1.105	1.092	6.58
6)	M	Chloroethane	1.430	1.330	1.281	1.393	1.265	1.340	5.28
7)	M	Trichlorofluorom...	2.820	2.737	2.698	2.902	2.655	2.762	3.59
8)	T	Diethyl Ether	1.353	1.224	1.198	1.288	1.177	1.248	5.75
9)		1,1,2-Trichlorot...	1.510	1.460	1.453	1.558	1.412	1.479	3.81
10)	M	1,1-Dichloroethene	1.710	1.559	1.529	1.593	1.496	1.577	5.22
11)		Methyl Iodide	0.781	1.201	1.541	1.911	1.834	1.454	32.23
12)		Methyl Acetate	2.679	2.533	2.442	2.697	2.471	2.564	4.60
13)	M	Acrolein	0.452	0.353	0.360	0.411	0.408	0.397	10.34
14)	M	Acrylonitrile	1.269	1.221	1.203	1.302	1.193	1.237	3.72
15)	M	Acetone	0.419	0.365	0.346	0.362	0.320	0.362	10.07
16)	M	Carbon Disulfide	5.111	4.866	4.796	5.172	4.779	4.945	3.72
17)		Allyl chloride	3.248	2.939	2.812	3.033	2.850	2.976	5.85
18)	M	Methylene Chloride	2.188	1.946	1.946	2.049	1.895	2.005	5.82
19)	M	trans-1,2-Dichlo...	1.892	1.826	1.733	1.891	1.776	1.824	3.84
20)	T	Diisopropyl ether	6.682	6.730	6.581	7.169	6.720	6.776	3.35
21)	M	1,1-Dichloroethane	3.634	3.511	3.377	3.682	3.433	3.528	3.67
22)	M	cis-1,2-Dichloro...	2.393	2.264	2.205	2.381	2.172	2.283	4.40
23)	M	tert-Butyl Alcohol	0.549	0.494	0.481	0.511	0.446	0.496	7.68
24)	M	Methyl tert-Buty...	7.020	6.709	6.609	7.119	6.586	6.809	3.60
25)	M	Chloroform	3.927	3.583	3.492	3.728	3.472	3.640	5.20
26)		Cyclohexane	2.967	2.964	2.826	3.030	2.827	2.923	3.13
27)	s	1,2-Dichloroetha...	2.303	2.319	2.360	2.378	2.319	2.336	1.36
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.443	0.421	0.413	0.452	0.422	0.430	3.84
30)	M	2-Butanone	0.330	0.315	0.305	0.333	0.303	0.317	4.43
31)		2,2-Dichloropropane	0.613	0.550	0.528	0.565	0.514	0.554	6.95
32)	M	1,1,1-Trichloroe...	0.564	0.539	0.513	0.557	0.514	0.537	4.41
33)	M	Carbon Tetrachlo...	0.457	0.445	0.435	0.475	0.439	0.450	3.60
34)	M	Benzene	1.491	1.402	1.366	1.489	1.384	1.426	4.17
35)		Methacrylonitrile	0.349	0.333	0.326	0.343	0.316	0.334	3.89
36)	M	1,2-Dichloroethane	0.517	0.490	0.473	0.514	0.482	0.495	3.97
37)	M	Trichloroethene	0.358	0.334	0.322	0.351	0.324	0.338	4.79
38)		Methylcyclohexane	0.560	0.522	0.513	0.555	0.506	0.531	4.67
39)	M	1,2-Dichloropropane	0.379	0.350	0.337	0.375	0.347	0.358	5.08
40)		Dibromomethane	0.270	0.258	0.251	0.271	0.251	0.260	3.85
41)	M	Bromodichloromet...	0.571	0.517	0.502	0.556	0.512	0.532	5.61
42)	M	Vinyl Acetate	1.073	1.006	1.017	1.195	1.111	1.080	7.13
43)		Ethyl Acetate	0.627	0.609	0.570	0.653	0.590	0.610	5.26
44)		Isopropyl Acetate	0.988	0.978	0.970	1.061	0.982	0.996	3.72
45)	T	1,4-Dioxane	0.007	0.007	0.007	0.007	0.006	0.007	8.01
46)		Methyl methacrylate	0.453	0.385	0.430	0.480	0.443	0.439	7.98
47)		n-amyl Acetate	0.377	0.459	0.444	0.504	0.576	0.472	15.62
48)	M	t-1,3-Dichloropr...	0.587	0.570	0.571	0.637	0.590	0.591	4.63
49)	T	cis-1,3-Dichloro...	0.628	0.604	0.589	0.655	0.607	0.617	4.12
50)	M	1,1,2-Trichloroe...	0.366	0.338	0.331	0.357	0.332	0.345	4.53
51)		Ethyl methacrylate	0.512	0.552	0.583	0.659	0.611	0.583	9.57
52)		1,3-Dichloropropane	0.612	0.593	0.576	0.642	0.585	0.601	4.36
53)	M	Dibromochloromet...	0.415	0.400	0.398	0.443	0.405	0.412	4.56
54)	M	1,2-Dibromoethane	0.381	0.359	0.352	0.391	0.360	0.369	4.55
55)	M	2-Chloroethyl vi...	0.290	0.319	0.313	0.338	0.314	0.315	5.39
56)	M	Bromoform	0.269	0.265	0.273	0.306	0.281	0.279	5.81

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N100825W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.679	0.671	0.657	0.702	0.646	0.671	3.21
59)	M	2-Hexanone	0.360	0.437	0.456	0.500	0.463	0.443	11.67
60)	S	4-Bromofluoroben...	0.488	0.497	0.493	0.507	0.489	0.495	1.54
61)	M	Tetrachloroethene	0.323	0.306	0.293	0.309	0.287	0.304	4.62
62)	M	Toluene	1.796	1.700	1.645	1.730	1.638	1.702	3.81
63)	S	Toluene-d8	1.344	1.343	1.333	1.329	1.334	1.337	0.50
64)	M	Chlorobenzene	1.118	1.084	1.059	1.124	1.049	1.087	3.07
65)		1,1,1,2-Tetrachl...	0.382	0.382	0.369	0.383	0.357	0.375	2.99
66)	M	Ethyl Benzene	1.902	1.839	1.800	1.919	1.792	1.850	3.13
67)	M	m/p-Xylenes	0.729	0.714	0.693	0.739	0.693	0.713	2.89
68)	M	o-Xylene	0.746	0.710	0.685	0.732	0.677	0.710	4.17
69)	M	Styrene	1.155	1.133	1.178	1.245	1.162	1.175	3.63
70)		Isopropylbenzene	1.791	1.721	1.707	1.804	1.679	1.740	3.14
71)	M	1,1,2,2-Tetrachl...	0.620	0.583	0.576	0.612	0.560	0.590	4.22
72)		1,2,3-Trichlorop...	0.580	0.517	0.547	0.571	0.524	0.548	5.03
73)		Bromobenzene	0.431	0.428	0.422	0.439	0.407	0.425	2.88
74)		n-propylbenzene	2.089	2.082	2.067	2.224	2.043	2.101	3.37
75)		2-Chlorotoluene	1.299	1.273	1.252	1.352	1.248	1.285	3.31
76)		1,3,5-Trimethylb...	1.521	1.464	1.453	1.548	1.405	1.478	3.84
77)		t-1,4-Dichloro-2...	0.202	0.196	0.214	0.248	0.232	0.218	9.81
78)		4-Chlorotoluene	1.254	1.296	1.295	1.393	1.288	1.305	3.96
79)		tert-butylbenzene	1.295	1.287	1.268	1.342	1.215	1.282	3.59
80)		1,2,4-Trimethylb...	1.505	1.473	1.453	1.563	1.406	1.480	3.95
81)		sec-Butylbenzene	1.842	1.802	1.770	1.884	1.712	1.802	3.65
82)		p-Isopropyltoluene	1.590	1.540	1.522	1.603	1.437	1.538	4.29
83)	M	1,3-Dichlorobenzene	0.810	0.804	0.798	0.835	0.755	0.800	3.61
84)	M	1,4-Dichlorobenzene	0.855	0.833	0.802	0.848	0.790	0.825	3.48
85)		n-Butylbenzene	1.435	1.433	1.420	1.506	1.362	1.431	3.58
86)	T	Hexachloroethane	0.326	0.303	0.304	0.317	0.291	0.308	4.32
87)	M	1,2-Dichlorobenzene	0.821	0.786	0.766	0.819	0.744	0.787	4.26
88)		1,2-Dibromo-3-Ch...	0.134	0.140	0.133	0.141	0.129	0.136	3.68
89)		1,2,4-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10
90)		Hexachlorobutadiene	0.177	0.160	0.162	0.166	0.152	0.163	5.60
91)	M	Naphthalene	1.691	1.709	1.674	1.820	1.690	1.717	3.44
92)		1,2,3-Trichlorob...	0.467	0.470	0.455	0.493	0.460	0.469	3.10

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
10/09/2025
Supervised By :Mahesh Dadoda
10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	70500	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	388491	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	345679	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	162371	29.577	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.600%				
60) 4-Bromofluorobenzene	12.829	95	168531	29.574	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.567%				
63) Toluene-d8	10.547	98	464668	30.170	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.567%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	17512	4.337	ug/l		91
3) Chloromethane	2.383	50	22534	4.922	ug/l		89
4) Vinyl Chloride	2.536	62	23730	4.971	ug/l		100
5) Bromomethane	2.977	94	12182	4.746	ug/l		89
6) Chloroethane	3.136	64	16801	5.336	ug/l		99
7) Trichlorofluoromethane	3.506	101	33130	5.104	ug/l		93
8) Diethyl Ether	3.965	74	15893	5.419	ug/l		56
9) 1,1,2-Trichlorotrifluo...	4.365	101	17744	5.106	ug/l		91
10) 1,1-Dichloroethene	4.336	96	20091	5.420	ug/l		87
11) Methyl Iodide	4.571	142	9178m	2.686	ug/l		
12) Methyl Acetate	5.018	43	31482m	5.370	ug/l		
13) Acrolein	4.171	56	26567	28.489	ug/l	#	1
14) Acrylonitrile	5.706	53	74537	25.631	ug/l	#	89
15) Acetone	4.418	58	24635m	28.837	ug/l		
16) Carbon Disulfide	4.700	76	60049	5.168	ug/l		97
17) Allyl chloride	5.018	41	38166m	5.456	ug/l		
18) Methylene Chloride	5.271	84	25710m	5.457	ug/l		
19) trans-1,2-Dichloroethene	5.777	96	22235	5.188	ug/l	#	91
20) Diisopropyl ether	6.659	45	78511	4.930	ug/l		98
21) 1,1-Dichloroethane	6.553	63	42704	5.151	ug/l		96
22) cis-1,2-Dichloroethene	7.471	96	28117	5.241	ug/l		97
23) tert-Butyl Alcohol	5.524	59	32274	27.671	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	82482	5.155	ug/l		96
25) Chloroform	7.947	83	46137	5.393	ug/l		92
26) Cyclohexane	8.241	56	34857	5.075	ug/l	#	98
29) 1,1-Dichloropropene	8.353	75	28652	5.145	ug/l		95
30) 2-Butanone	7.471	43	106757	25.994	ug/l		100
31) 2,2-Dichloropropane	7.471	77	39713m	5.527	ug/l		
32) 1,1,1-Trichloroethane	8.147	97	36518	5.248	ug/l		98
33) Carbon Tetrachloride	8.347	117	29564	5.072	ug/l		93
34) Benzene	8.583	78	96524	5.226	ug/l	#	81
35) Methacrylonitrile	7.771	41	22614	5.236	ug/l		95
36) 1,2-Dichloroethane	8.659	62	33473	5.220	ug/l		98
37) Trichloroethene	9.335	130	23203	5.302	ug/l		98
38) Methylcyclohexane	9.583	83	36254	5.272	ug/l		97
39) 1,2-Dichloropropane	9.606	63	24526	5.296	ug/l		97
40) Dibromomethane	9.694	93	17510	5.194	ug/l		96
41) Bromodichloromethane	9.871	83	36971	5.370	ug/l	#	97
42) Vinyl Acetate	6.594	43	347500	24.837	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone
10/09/2025
Supervised By :Mahesh Dadoda
10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	40587	5.141	ug/l	#	71
44) Isopropyl Acetate	8.677	43	63965	4.961	ug/l		97
45) 1,4-Dioxane	9.683	88	8538	99.555	ug/l	#	91
46) Methyl methacrylate	9.665	41	29344	5.167	ug/l		87
47) n-amyl Acetate	12.965	43	24408m	4.308	ug/l		
48) t-1,3-Dichloropropene	10.818	75	38023	4.966	ug/l		93
49) cis-1,3-Dichloropropene	10.294	75	40685	5.094	ug/l		90
50) 1,1,2-Trichloroethane	10.994	97	23673	5.302	ug/l	#	91
51) Ethyl methacrylate	10.859	69	33154	4.388	ug/l		94
52) 1,3-Dichloropropane	11.141	76	39602	5.084	ug/l		98
53) Dibromochloromethane	11.335	129	26900	5.040	ug/l		100
54) 1,2-Dibromoethane	11.453	107	24696	5.174	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	93982	23.044	ug/l		98
56) Bromoform	12.559	173	17392	4.820	ug/l		92
58) 4-Methyl-2-Pentanone	10.430	43	195537	25.289	ug/l		99
59) 2-Hexanone	11.182	43	103702	20.314	ug/l		99
61) Tetrachloroethene	11.088	164	18609	5.316	ug/l		94
62) Toluene	10.612	91	103446	5.276	ug/l		98
64) Chlorobenzene	11.871	112	64403	5.142	ug/l		92
65) 1,1,1,2-Tetrachloroethane	11.941	131	21997	5.096	ug/l		93
66) Ethyl Benzene	11.941	91	109599	5.140	ug/l		92
67) m/p-Xylenes	12.053	106	83946	10.213	ug/l		100
68) o-Xylene	12.376	106	42988	5.254	ug/l		98
69) Styrene	12.394	104	66556	4.917	ug/l		99
70) Isopropylbenzene	12.676	105	103205	5.146	ug/l		97
71) 1,1,2,2-Tetrachloroethane	12.918	83	35698	5.250	ug/l		100
72) 1,2,3-Trichloropropane	12.976	75	33421m	5.064	ug/l		
73) Bromobenzene	12.959	156	24839	5.068	ug/l		99
74) n-propylbenzene	13.018	91	120356	4.971	ug/l		100
75) 2-Chlorotoluene	13.106	91	74825	5.055	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	87631	5.144	ug/l		97
77) t-1,4-Dichloro-2-butene	12.723	75	11665m	4.776	ug/l		
78) 4-Chlorotoluene	13.206	91	72267	4.805	ug/l		100
79) tert-butylbenzene	13.418	119	74615	5.053	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	86692	5.084	ug/l		99
81) sec-Butylbenzene	13.594	105	106110	5.111	ug/l		100
82) p-Isopropyltoluene	13.712	119	91611	5.168	ug/l		98
83) 1,3-Dichlorobenzene	13.712	146	46688	5.062	ug/l		97
84) 1,4-Dichlorobenzene	13.794	146	49265	5.180	ug/l		99
85) n-Butylbenzene	14.035	91	82683	5.013	ug/l		99
86) Hexachloroethane	14.306	117	18772	5.286	ug/l		91
87) 1,2-Dichlorobenzene	14.088	146	47327	5.217	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	7710	4.938	ug/l		95
89) 1,2,4-Trichlorobenzene	15.817	180	26899	4.978	ug/l		92
90) Hexachlorobutadiene	15.470	225	10187	5.417	ug/l		96
91) Naphthalene	15.617	128	97405	4.924	ug/l		98
92) 1,2,3-Trichlorobenzene	15.817	180	26899	4.978	ug/l		92

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

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088030.D
Acq On : 08 Oct 2025 09:34
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 09 02:00:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

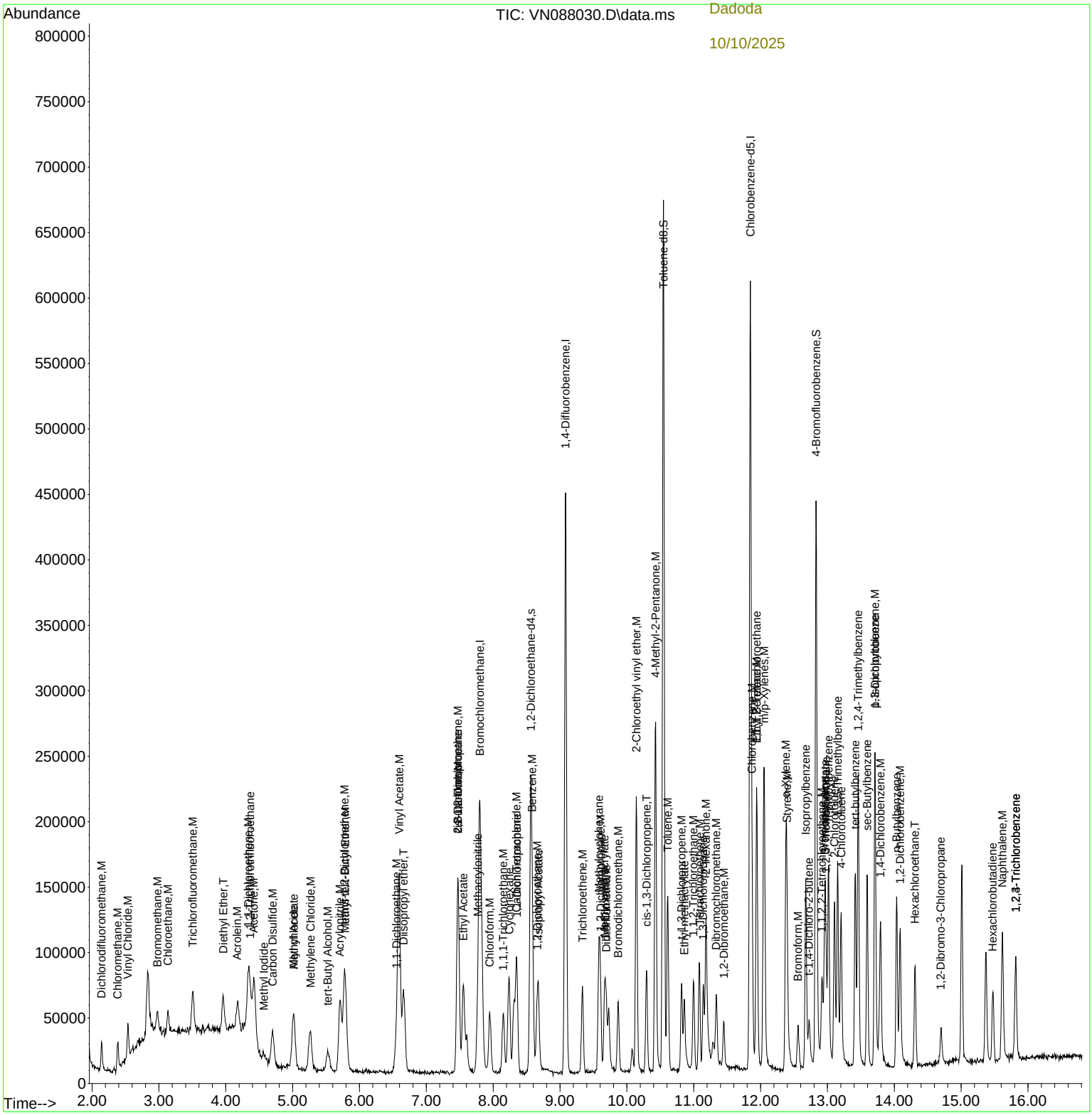
Manual Integrations APPROVED

Reviewed By :John Carlone

10/09/2025

Supervised By :Mahesh Dadoda

10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	71387	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	401663	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	355387	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	165568	29.785	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.267%			
60) 4-Bromofluorobenzene	12.829	95	176557	30.136	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.467%			
63) Toluene-d8	10.547	98	477319	30.145	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	85073	20.806	ug/l	100
3) Chloromethane	2.383	50	92431	19.939	ug/l	100
4) Vinyl Chloride	2.536	62	97272	20.124	ug/l	100
5) Bromomethane	2.983	94	49554	19.065	ug/l	100
6) Chloroethane	3.136	64	63320	19.859	ug/l	98
7) Trichlorofluoromethane	3.506	101	130253	19.817	ug/l	100
8) Diethyl Ether	3.959	74	58264	19.618	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	69507	19.754	ug/l	100
10) 1,1-Dichloroethene	4.330	96	74211	19.771	ug/l	100
11) Methyl Iodide	4.577	142	57156	16.522	ug/l	100
12) Methyl Acetate	5.018	43	120527	20.303	ug/l	100
13) Acrolein	4.177	56	83909	88.861	ug/l #	4
14) Acrylonitrile	5.706	53	290536	98.664	ug/l	100
15) Acetone	4.424	58	86871	100.424	ug/l	100
16) Carbon Disulfide	4.694	76	231559	19.680	ug/l	100
17) Allyl chloride	5.012	41	139881	19.750	ug/l	100
18) Methylene Chloride	5.259	84	92593	19.409	ug/l	100
19) trans-1,2-Dichloroethene	5.777	96	86884	20.021	ug/l	100
20) Diisopropyl ether	6.659	45	320294	19.864	ug/l	100
21) 1,1-Dichloroethane	6.553	63	167086	19.905	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	107728	19.831	ug/l	100
23) tert-Butyl Alcohol	5.530	59	117569	99.549	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	319297	19.708	ug/l	100
25) Chloroform	7.953	83	170511	19.684	ug/l	100
26) Cyclohexane	8.241	56	141068	20.283	ug/l	100
29) 1,1-Dichloropropene	8.353	75	112668	19.569	ug/l	100
30) 2-Butanone	7.477	43	422066	99.396	ug/l	100
31) 2,2-Dichloropropane	7.477	77	147354	19.837	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	144223	20.047	ug/l	100
33) Carbon Tetrachloride	8.347	117	119094	19.764	ug/l	100
34) Benzene	8.588	78	375303	19.653	ug/l	100
35) Methacrylonitrile	7.759	41	89107	19.955	ug/l	100
36) 1,2-Dichloroethane	8.653	62	131101	19.775	ug/l	100
37) Trichloroethene	9.335	130	89526	19.787	ug/l	100
38) Methylcyclohexane	9.582	83	139683	19.646	ug/l	100
39) 1,2-Dichloropropane	9.600	63	93775	19.584	ug/l	100
40) Dibromomethane	9.688	93	69093	19.823	ug/l	100
41) Bromodichloromethane	9.871	83	138534	19.460	ug/l	100
42) Vinyl Acetate	6.588	43	1347005	93.117	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	163041	19.974	ug/l	100
44) Isopropyl Acetate	8.677	43	261811	19.638	ug/l	100
45) 1,4-Dioxane	9.676	88	38180	430.590	ug/l	100
46) Methyl methacrylate	9.665	41	103153	17.569	ug/l	100
47) n-amyl Acetate	12.570	43	122978m	20.993	ug/l	
48) t-1,3-Dichloropropene	10.818	75	152693	19.289	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	161768	19.591	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	90592	19.626	ug/l	100
51) Ethyl methacrylate	10.859	69	147903	18.933	ug/l	100
52) 1,3-Dichloropropane	11.141	76	158729	19.710	ug/l	100
53) Dibromochloromethane	11.335	129	106989	19.388	ug/l	100
54) 1,2-Dibromoethane	11.447	107	96091	19.472	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	427409	101.363	ug/l	100
56) Bromoform	12.559	173	71081	19.053	ug/l	100
58) 4-Methyl-2-Pentanone	10.429	43	794535	99.952	ug/l	100
59) 2-Hexanone	11.182	43	517498	98.602	ug/l	100
61) Tetrachloroethene	11.082	164	72535	20.155	ug/l	100
62) Toluene	10.612	91	402666	19.975	ug/l	100
64) Chlorobenzene	11.870	112	256863	19.949	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	90536	20.403	ug/l	100
66) Ethyl Benzene	11.941	91	435618	19.873	ug/l	100
67) m/p-Xylenes	12.047	106	338147	40.016	ug/l	100
68) o-Xylene	12.376	106	168249	20.001	ug/l	100
69) Styrene	12.394	104	268372	19.286	ug/l	100
70) Isopropylbenzene	12.676	105	407637	19.771	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.917	83	138052	19.750	ug/l	100
72) 1,2,3-Trichloropropane	12.976	75	122603m	18.069	ug/l	
73) Bromobenzene	12.959	156	101455	20.133	ug/l	100
74) n-propylbenzene	13.017	91	493301	19.820	ug/l	100
75) 2-Chlorotoluene	13.106	91	301590	19.817	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	346960	19.811	ug/l	100
77) t-1,4-Dichloro-2-butene	12.723	75	46433	18.492	ug/l	100
78) 4-Chlorotoluene	13.200	91	307157	19.866	ug/l	100
79) tert-butylbenzene	13.417	119	304884	20.082	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	349065	19.910	ug/l	100
81) sec-Butylbenzene	13.594	105	426975	20.002	ug/l	100
82) p-Isopropyltoluene	13.706	119	364945	20.025	ug/l	100
83) 1,3-Dichlorobenzene	13.711	146	190476	20.090	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	197354	20.183	ug/l	100
85) n-Butylbenzene	14.035	91	339471	20.022	ug/l	100
86) Hexachloroethane	14.311	117	71806	19.668	ug/l	100
87) 1,2-Dichlorobenzene	14.088	146	186272	19.974	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33189	20.674	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	37802	19.553	ug/l	100
91) Naphthalene	15.617	128	404900	19.910	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	111303	20.037	ug/l	100

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

ICAL Form

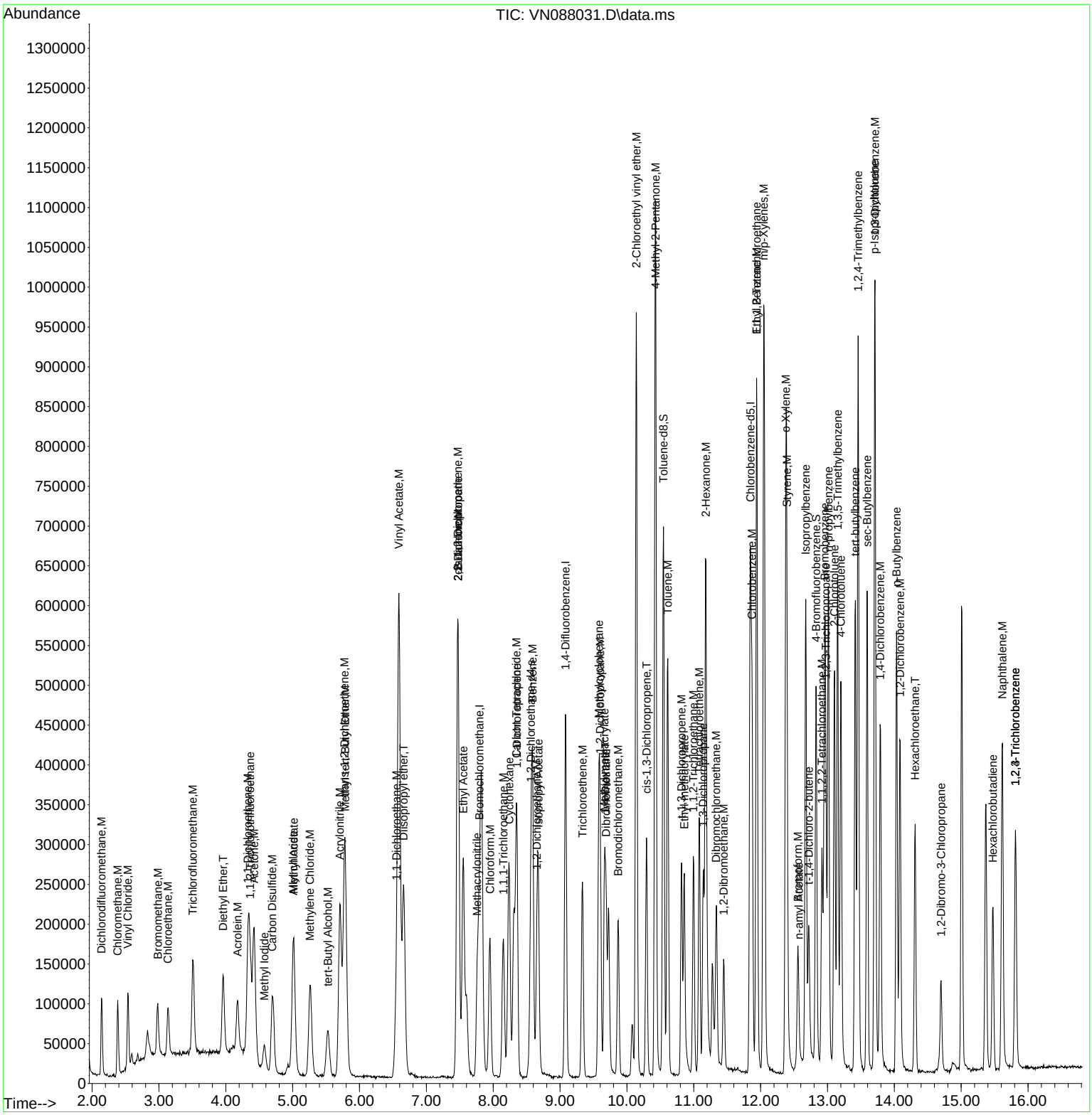
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088031.D
Acq On : 08 Oct 2025 10:08
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 09 02:01:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	71521	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	407063	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	363868	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	168820	30.313	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.033%				
60) 4-Bromofluorobenzene	12.829	95	179340	29.897	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%				
63) Toluene-d8	10.547	98	485008	29.917	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.733%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	203904	49.775	ug/l		95
3) Chloromethane	2.383	50	223881	48.205	ug/l		98
4) Vinyl Chloride	2.536	62	234864	48.499	ug/l		99
5) Bromomethane	2.971	94	127206	48.849	ug/l		96
6) Chloroethane	3.136	64	152751	47.817	ug/l		97
7) Trichlorofluoromethane	3.512	101	321596	48.835	ug/l		97
8) Diethyl Ether	3.965	74	142839	48.005	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	173195	49.131	ug/l		97
10) 1,1-Dichloroethene	4.336	96	182248	48.464	ug/l		98
11) Methyl Iodide	4.577	142	183665	52.992	ug/l		97
12) Methyl Acetate	5.018	43	291092	48.943	ug/l		91
13) Acrolein	4.177	56	214422	226.650	ug/l	#	6
14) Acrylonitrile	5.706	53	717034	243.043	ug/l		99
15) Acetone	4.424	58	206350	238.097	ug/l		90
16) Carbon Disulfide	4.700	76	571725	48.499	ug/l		97
17) Allyl chloride	5.012	41	335231	47.243	ug/l		98
18) Methylene Chloride	5.259	84	231926	48.524	ug/l		96
19) trans-1,2-Dichloroethene	5.771	96	206627	47.525	ug/l		90
20) Diisopropyl ether	6.659	45	784464	48.559	ug/l		98
21) 1,1-Dichloroethane	6.553	63	402552	47.866	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	262837	48.293	ug/l		99
23) tert-Butyl Alcohol	5.530	59	286613	242.230	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	787846	48.537	ug/l		98
25) Chloroform	7.947	83	416216	47.959	ug/l		100
26) Cyclohexane	8.241	56	336848	48.343	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	280084	48.002	ug/l		99
30) 2-Butanone	7.471	43	1034181	240.318	ug/l		99
31) 2,2-Dichloropropane	7.471	77	357946	47.547	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	348014	47.733	ug/l		99
33) Carbon Tetrachloride	8.341	117	295178	48.335	ug/l		97
34) Benzene	8.588	78	926605	47.877	ug/l		99
35) Methacrylonitrile	7.765	41	221496	48.945	ug/l		94
36) 1,2-Dichloroethane	8.653	62	320898	47.761	ug/l		99
37) Trichloroethene	9.329	130	218229	47.593	ug/l		100
38) Methylcyclohexane	9.582	83	347822	48.271	ug/l		99
39) 1,2-Dichloropropane	9.600	63	228797	47.147	ug/l		94
40) Dibromomethane	9.688	93	170079	48.148	ug/l		98
41) Bromodichloromethane	9.871	83	340823	47.241	ug/l		99
42) Vinyl Acetate	6.588	43	3449178	235.274	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	386755	46.753	ug/l	95
44) Isopropyl Acetate	8.671	43	658172	48.713	ug/l	98
45) 1,4-Dioxane	9.682	88	88246	982.026	ug/l	98
46) Methyl methacrylate	9.665	41	292033	49.080	ug/l	96
47) n-amyl Acetate	12.506	43	301319m	50.755	ug/l	
48) t-1,3-Dichloropropene	10.818	75	387494	48.302	ug/l	97
49) cis-1,3-Dichloropropene	10.294	75	399785	47.774	ug/l	94
50) 1,1,2-Trichloroethane	10.994	97	224582	48.009	ug/l	95
51) Ethyl methacrylate	10.853	69	395806	49.995	ug/l	99
52) 1,3-Dichloropropane	11.141	76	390914	47.897	ug/l	99
53) Dibromochloromethane	11.335	129	269681	48.222	ug/l	100
54) 1,2-Dibromoethane	11.447	107	238540	47.697	ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	1061685	248.447	ug/l	100
56) Bromoform	12.559	173	185069	48.948	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	1992861	244.858	ug/l	99
59) 2-Hexanone	11.176	43	1382348	257.249	ug/l	99
61) Tetrachloroethene	11.082	164	177933	48.289	ug/l	95
62) Toluene	10.612	91	997746	48.341	ug/l	99
64) Chlorobenzene	11.871	112	642529	48.738	ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	223784	49.257	ug/l	97
66) Ethyl Benzene	11.941	91	1091616	48.639	ug/l	97
67) m/p-Xylenes	12.047	106	840749	97.174	ug/l	99
68) o-Xylene	12.376	106	415634	48.257	ug/l	96
69) Styrene	12.388	104	714533	50.151	ug/l	98
70) Isopropylbenzene	12.676	105	1034903	49.025	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	349263	48.801	ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	331890m	47.774	ug/l	
73) Bromobenzene	12.959	156	255670	49.554	ug/l	98
74) n-propylbenzene	13.012	91	1253446	49.187	ug/l	100
75) 2-Chlorotoluene	13.100	91	759413	48.738	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	881209	49.143	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	129603	50.413	ug/l	93
78) 4-Chlorotoluene	13.200	91	785069	49.593	ug/l	98
79) tert-butylbenzene	13.412	119	769068	49.475	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	881036	49.081	ug/l	100
81) sec-Butylbenzene	13.594	105	1073333	49.110	ug/l	100
82) p-Isopropyltoluene	13.706	119	922870	49.458	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	483694	49.826	ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	486086	48.552	ug/l	99
85) n-Butylbenzene	14.035	91	861074	49.601	ug/l	99
86) Hexachloroethane	14.312	117	184332	49.313	ug/l	96
87) 1,2-Dichlorobenzene	14.082	146	464249	48.621	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	80611	49.043	ug/l	98
89) 1,2,4-Trichlorobenzene	15.811	180	275876	48.506	ug/l	98
90) Hexachlorobutadiene	15.470	225	98031	49.524	ug/l	97
91) Naphthalene	15.611	128	1015294	48.760	ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	275876	48.506	ug/l	98

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

ICAL Form

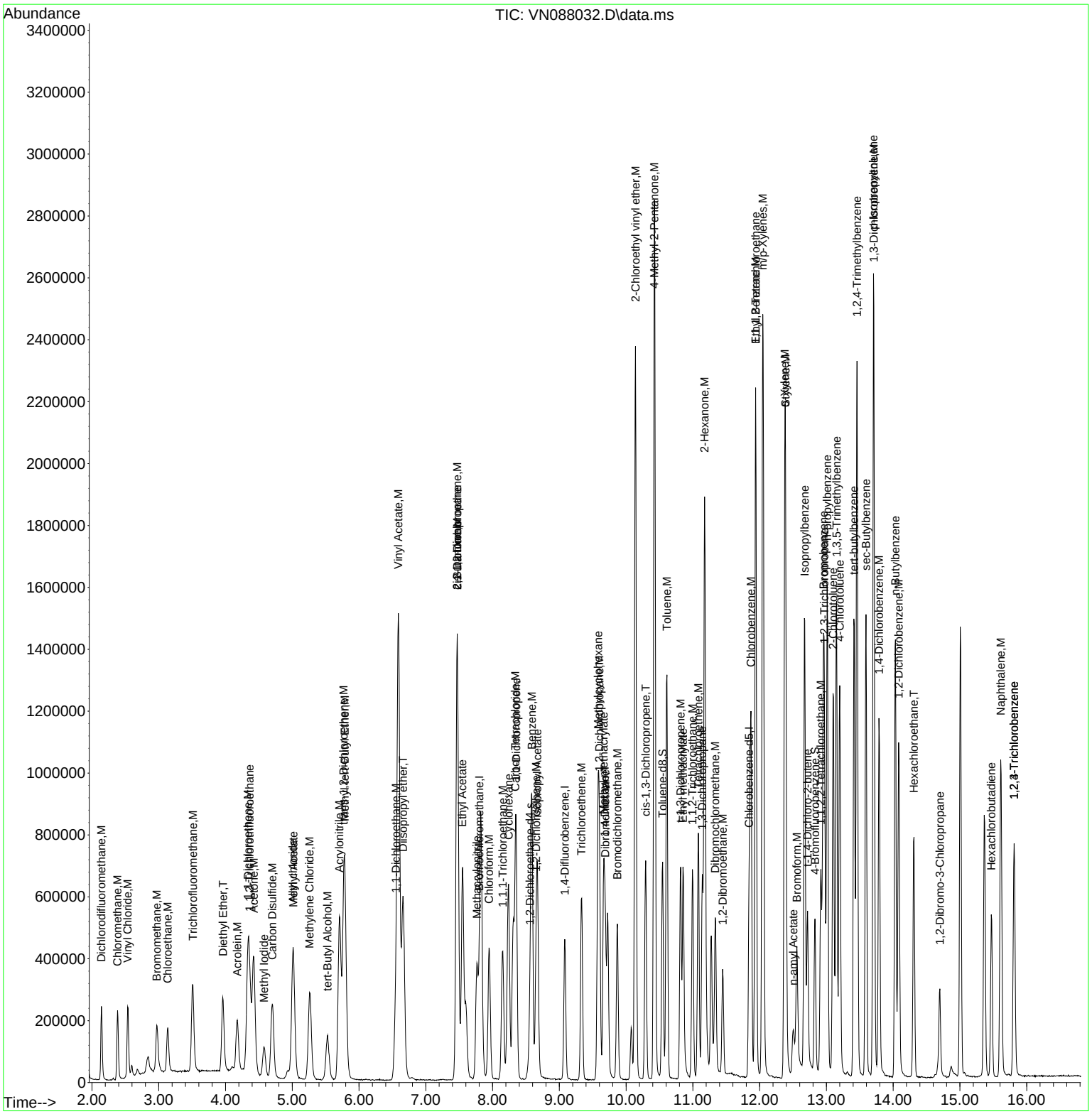
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088032.D
Acq On : 08 Oct 2025 10:30
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 09 02:02:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	67628	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	378736	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	351656	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	160840	30.543	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%				
60) 4-Bromofluorobenzene	12.829	95	178151	30.730	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 102.433%				
63) Toluene-d8	10.547	98	467474	29.837	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.467%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	420916	108.665	ug/l		95
3) Chloromethane	2.383	50	463730	105.596	ug/l		98
4) Vinyl Chloride	2.536	62	482888	105.455	ug/l		100
5) Bromomethane	2.959	94	273063	110.897	ug/l		98
6) Chloroethane	3.130	64	314009	103.956	ug/l		100
7) Trichlorofluoromethane	3.501	101	654258	105.071	ug/l		97
8) Diethyl Ether	3.959	74	290416	103.221	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.365	101	351149	105.345	ug/l		97
10) 1,1-Dichloroethene	4.336	96	359076	100.983	ug/l		99
11) Methyl Iodide	4.577	142	430900	131.483	ug/l		94
12) Methyl Acetate	5.012	43	608023m	108.115	ug/l		
13) Acrolein	4.177	56	463612	518.261	ug/l	#	7
14) Acrylonitrile	5.712	53	1467014	525.879	ug/l		99
15) Acetone	4.424	58	407619	497.406	ug/l		93
16) Carbon Disulfide	4.700	76	1166017	104.606	ug/l		100
17) Allyl chloride	5.012	41	683636	101.888	ug/l		96
18) Methylene Chloride	5.259	84	461958	102.216	ug/l		95
19) trans-1,2-Dichloroethene	5.771	96	426250	103.682	ug/l		93
20) Diisopropyl ether	6.659	45	1616050	105.793	ug/l		98
21) 1,1-Dichloroethane	6.553	63	830085	104.385	ug/l		95
22) cis-1,2-Dichloroethene	7.471	96	536722	104.292	ug/l		99
23) tert-Butyl Alcohol	5.530	59	576246	515.047	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	1604709	104.553	ug/l		98
25) Chloroform	7.947	83	840390	102.409	ug/l		100
26) Cyclohexane	8.236	56	682990	103.662	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	570703	105.125	ug/l		98
30) 2-Butanone	7.471	43	2104280	525.556	ug/l		99
31) 2,2-Dichloropropane	7.471	77	713241	101.828	ug/l		100
32) 1,1,1-Trichloroethane	8.147	97	703319	103.680	ug/l		99
33) Carbon Tetrachloride	8.341	117	599874	105.575	ug/l		98
34) Benzene	8.588	78	1880026	104.406	ug/l		98
35) Methacrylonitrile	7.765	41	432524	102.726	ug/l		94
36) 1,2-Dichloroethane	8.653	62	649488	103.896	ug/l		99
37) Trichloroethene	9.335	130	443090	103.860	ug/l		100
38) Methylcyclohexane	9.582	83	700603	104.502	ug/l		99
39) 1,2-Dichloropropane	9.600	63	473093	104.780	ug/l		99
40) Dibromomethane	9.688	93	342480	104.205	ug/l		97
41) Bromodichloromethane	9.871	83	701393	104.491	ug/l		99
42) Vinyl Acetate	6.589	43	7544223	553.092	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	824040	107.065	ug/l		96
44) Isopropyl Acetate	8.671	43	1339571	106.561	ug/l		98
45) 1,4-Dioxane	9.682	88	178569	2135.793	ug/l		96
46) Methyl methacrylate	9.665	41	606493	109.554	ug/l		96
47) n-amyl Acetate	12.488	43	635857	115.116	ug/l	#	64
48) t-1,3-Dichloropropene	10.818	75	804743	107.816	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	826516	106.155	ug/l		95
50) 1,1,2-Trichloroethane	10.994	97	450541	103.515	ug/l		99
51) Ethyl methacrylate	10.853	69	831363	112.866	ug/l		98
52) 1,3-Dichloropropane	11.141	76	810597	106.748	ug/l		98
53) Dibromochloromethane	11.335	129	559787	107.583	ug/l		98
54) 1,2-Dibromoethane	11.447	107	493699	106.100	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	2132450	536.342	ug/l		100
56) Bromoform	12.559	173	386003	109.728	ug/l		98
58) 4-Methyl-2-Pentanone	10.424	43	4116685	523.371	ug/l		99
59) 2-Hexanone	11.177	43	2928211	563.852	ug/l		99
61) Tetrachloroethene	11.082	164	362506	101.796	ug/l		93
62) Toluene	10.612	91	2027659	101.652	ug/l		98
64) Chlorobenzene	11.871	112	1317139	103.379	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	448505	102.148	ug/l		98
66) Ethyl Benzene	11.941	91	2249065	103.692	ug/l		97
67) m/p-Xylenes	12.047	106	1731517	207.080	ug/l		99
68) o-Xylene	12.376	106	858288	103.111	ug/l		97
69) Styrene	12.388	104	1459636	106.005	ug/l		98
70) Isopropylbenzene	12.676	105	2115128	103.677	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	717005	103.664	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	669076m	99.654	ug/l		
73) Bromobenzene	12.959	156	514996	103.282	ug/l		95
74) n-propylbenzene	13.012	91	2606776	105.847	ug/l		99
75) 2-Chlorotoluene	13.100	91	1584486	105.221	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	1814925	104.730	ug/l		98
77) t-1,4-Dichloro-2-butene	12.718	75	290843	117.060	ug/l		89
78) 4-Chlorotoluene	13.200	91	1632331	106.695	ug/l		98
79) tert-butylbenzene	13.418	119	1573625	104.749	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	1831829	105.591	ug/l		98
81) sec-Butylbenzene	13.594	105	2207832	104.528	ug/l		99
82) p-Isopropyltoluene	13.706	119	1878975	104.194	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	978389	104.286	ug/l		100
84) 1,4-Dichlorobenzene	13.788	146	993969	102.730	ug/l		98
85) n-Butylbenzene	14.035	91	1765582	105.237	ug/l		99
86) Hexachloroethane	14.312	117	371189	102.750	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	959910	104.023	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	165583	104.237	ug/l		95
89) 1,2,4-Trichlorobenzene	15.812	180	577645	105.091	ug/l		98
90) Hexachlorobutadiene	15.476	225	194567	101.706	ug/l		98
91) Naphthalene	15.611	128	2133295	106.010	ug/l		100
92) 1,2,3-Trichlorobenzene	15.812	180	577645	105.091	ug/l		98

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

ICAL Form

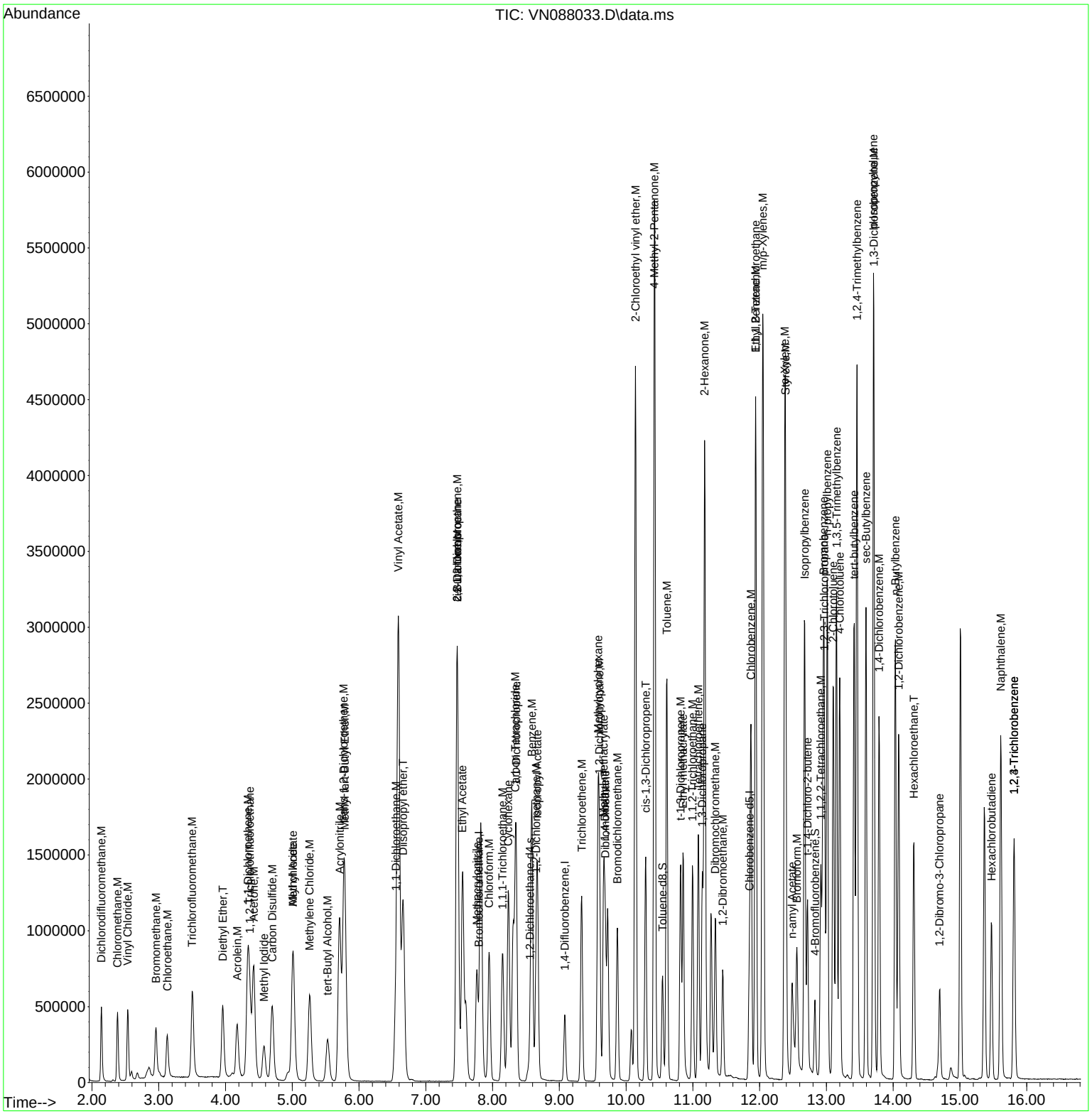
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088033.D
Acq On : 08 Oct 2025 10:51
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Oct 09 02:03:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	70768	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	396399	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	360347	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	164118	29.782	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.267%				
60) 4-Bromofluorobenzene	12.829	95	176216	29.663	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.867%				
63) Toluene-d8	10.547	98	480539	29.931	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.767%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	614191	151.526	ug/l		95
3) Chloromethane	2.383	50	688323	149.783	ug/l		98
4) Vinyl Chloride	2.536	62	700818	146.257	ug/l		100
5) Bromomethane	2.954	94	390993	151.745	ug/l		96
6) Chloroethane	3.124	64	447592	141.605	ug/l		95
7) Trichlorofluoromethane	3.506	101	939283	144.151	ug/l		100
8) Diethyl Ether	3.959	74	416480	141.459	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	499641	143.242	ug/l		97
10) 1,1-Dichloroethene	4.330	96	529290	142.248	ug/l		98
11) Methyl Iodide	4.577	142	649112	189.280	ug/l		96
12) Methyl Acetate	5.018	43	874170	148.543	ug/l		90
13) Acrolein	4.171	56	722228	771.539	ug/l	#	6
14) Acrylonitrile	5.706	53	2111000	723.151	ug/l		100
15) Acetone	4.424	58	565771	659.761	ug/l		92
16) Carbon Disulfide	4.700	76	1690921	144.966	ug/l		100
17) Allyl chloride	5.006	41	1008388	143.620	ug/l		98
18) Methylene Chloride	5.259	84	670686	141.817	ug/l		97
19) trans-1,2-Dichloroethene	5.771	96	628517	146.099	ug/l		89
20) Diisopropyl ether	6.659	45	2377730	148.749	ug/l		97
21) 1,1-Dichloroethane	6.547	63	1214899	145.997	ug/l		96
22) cis-1,2-Dichloroethene	7.471	96	768626	142.727	ug/l		98
23) tert-Butyl Alcohol	5.536	59	789077	673.981	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	2330339	145.094	ug/l		99
25) Chloroform	7.947	83	1228670	143.082	ug/l		97
26) Cyclohexane	8.241	56	1000427	145.104	ug/l	#	96
29) 1,1-Dichloropropene	8.353	75	836265	147.179	ug/l		97
30) 2-Butanone	7.471	43	2998106	715.429	ug/l		98
31) 2,2-Dichloropropane	7.471	77	1019106	139.013	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	1018706	143.482	ug/l		99
33) Carbon Tetrachloride	8.341	117	869642	146.233	ug/l		97
34) Benzene	8.588	78	2743909	145.591	ug/l		98
35) Methacrylonitrile	7.765	41	627210	142.327	ug/l		97
36) 1,2-Dichloroethane	8.653	62	954996	145.960	ug/l		99
37) Trichloroethene	9.335	130	642810	143.961	ug/l		100
38) Methylcyclohexane	9.582	83	1002978	142.937	ug/l		98
39) 1,2-Dichloropropane	9.600	63	688269	145.644	ug/l		99
40) Dibromomethane	9.688	93	497967	144.763	ug/l		98
41) Bromodichloromethane	9.871	83	1015193	144.501	ug/l		98
42) Vinyl Acetate	6.589	43	11007914	771.067	ug/l		97

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	1168944	145.110	ug/l		94
44) Isopropyl Acetate	8.677	43	1946213	147.920	ug/l		98
45) 1,4-Dioxane	9.682	88	230506	2634.144	ug/l		98
46) Methyl methacrylate	9.665	41	878594	151.633	ug/l		98
47) n-amyl Acetate	12.482	43	1141223	197.401	ug/l	#	64
48) t-1,3-Dichloropropene	10.818	75	1169571	149.712	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	1203477	147.684	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	657933	144.430	ug/l		97
51) Ethyl methacrylate	10.853	69	1210974	157.077	ug/l		99
52) 1,3-Dichloropropane	11.141	76	1159064	145.836	ug/l		100
53) Dibromochloromethane	11.341	129	802448	147.348	ug/l		100
54) 1,2-Dibromoethane	11.447	107	713476	146.499	ug/l		100
55) 2-Chloroethyl vinyl ether	10.141	63	3115151	748.593	ug/l		99
56) Bromoform	12.559	173	556224	151.071	ug/l		99
58) 4-Methyl-2-Pentanone	10.424	43	5819803	722.051	ug/l		99
59) 2-Hexanone	11.177	43	4169658	783.538	ug/l		100
61) Tetrachloroethene	11.082	164	517435	141.798	ug/l		94
62) Toluene	10.612	91	2951946	144.419	ug/l		99
64) Chlorobenzene	11.871	112	1890882	144.832	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	643792	143.089	ug/l		98
66) Ethyl Benzene	11.941	91	3229064	145.284	ug/l		98
67) m/p-Xylenes	12.047	106	2496336	291.347	ug/l		99
68) o-Xylene	12.376	106	1219294	142.948	ug/l		95
69) Styrene	12.388	104	2093655	148.383	ug/l		99
70) Isopropylbenzene	12.671	105	3025763	144.736	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	1009711	142.462	ug/l		99
72) 1,2,3-Trichloropropane	12.971	75	944811m	137.329	ug/l		
73) Bromobenzene	12.959	156	732655	143.390	ug/l		95
74) n-propylbenzene	13.012	91	3681361	145.874	ug/l		99
75) 2-Chlorotoluene	13.106	91	2247982	145.681	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	2531712	142.568	ug/l		99
77) t-1,4-Dichloro-2-butene	12.718	75	417387	163.941	ug/l		90
78) 4-Chlorotoluene	13.200	91	2320550	148.022	ug/l		98
79) tert-butylbenzene	13.418	119	2189957	142.259	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	2534010	142.543	ug/l		98
81) sec-Butylbenzene	13.594	105	3085212	142.543	ug/l		99
82) p-Isopropyltoluene	13.706	119	2589136	140.112	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	1360760	141.545	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1422602	143.484	ug/l		99
85) n-Butylbenzene	14.035	91	2454577	142.775	ug/l		99
86) Hexachloroethane	14.312	117	525061	141.838	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	1340645	141.778	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	233320	143.337	ug/l		96
89) 1,2,4-Trichlorobenzene	15.812	180	829215	147.221	ug/l		99
90) Hexachlorobutadiene	15.476	225	273878	139.711	ug/l		96
91) Naphthalene	15.612	128	3044921	147.662	ug/l		100
92) 1,2,3-Trichlorobenzene	15.812	180	829215	147.221	ug/l		99

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

ICAL Form

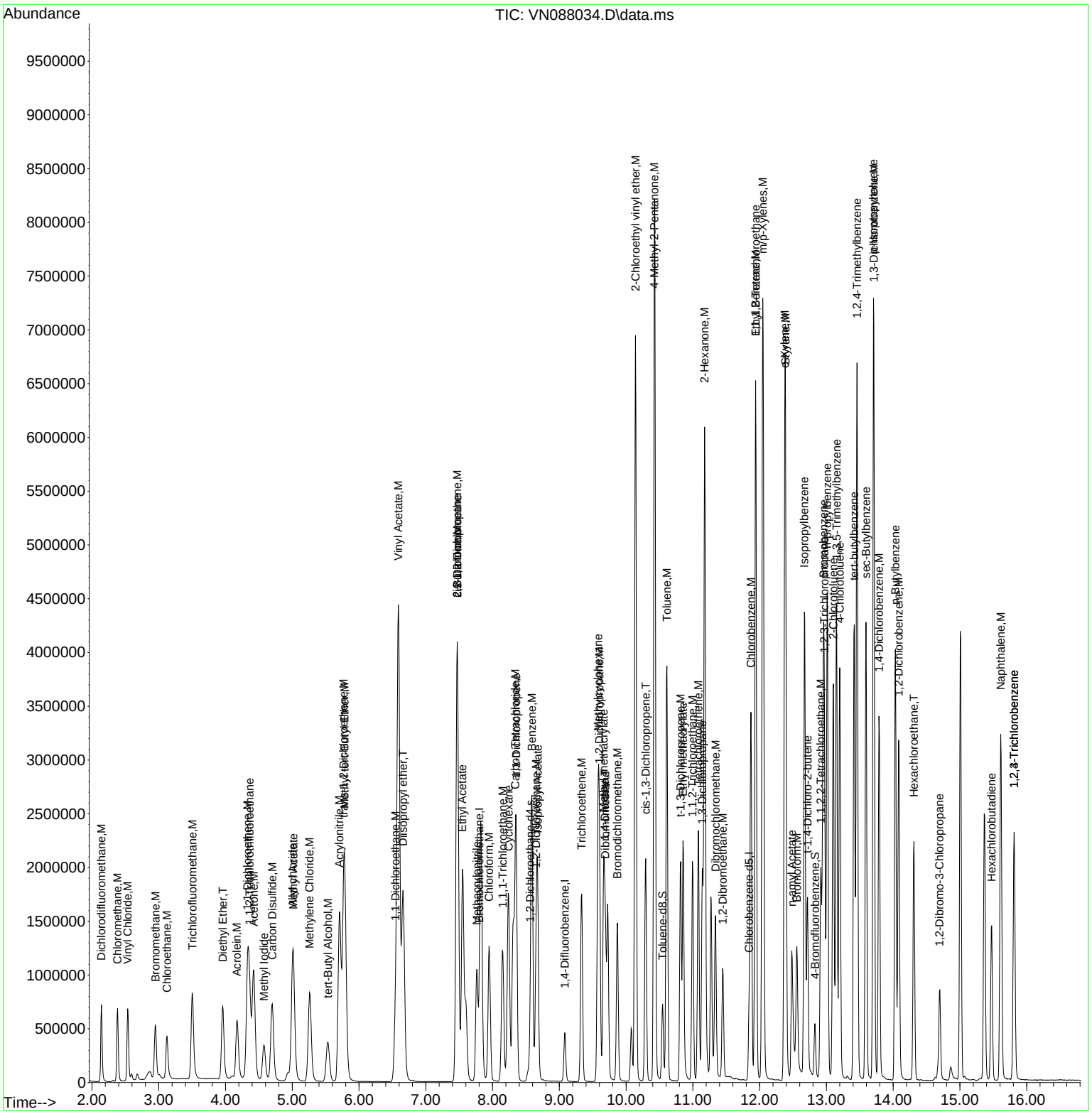
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088034.D
Acq On : 08 Oct 2025 11:12
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Oct 09 02:04:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 01:59:51 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	71678	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	399537	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	349709	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	167135	29.945	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.800%				
60) 4-Bromofluorobenzene	12.829	95	172458	29.914	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.700%				
63) Toluene-d8	10.547	98	468600	30.075	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.267%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	82744	20.154	ug/l		95
3) Chloromethane	2.383	50	93360	20.058	ug/l		98
4) Vinyl Chloride	2.536	62	95282	19.632	ug/l		96
5) Bromomethane	2.977	94	57202	21.918	ug/l		99
6) Chloroethane	3.136	64	60278	18.828	ug/l		97
7) Trichlorofluoromethane	3.512	101	127893	19.378	ug/l		99
8) Diethyl Ether	3.965	74	55257	18.530	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	69948	19.799	ug/l		97
10) 1,1-Dichloroethene	4.336	96	73588	19.526	ug/l		98
11) Methyl Iodide	4.583	142	59897	17.244	ug/l		93
12) Methyl Acetate	5.012	43	112275	18.325	ug/l	#	88
13) Acrolein	4.171	56	93925	99.064	ug/l	#	7
14) Acrylonitrile	5.706	53	277894	93.988	ug/l		100
15) Acetone	4.430	58	77464m	89.462	ug/l		
16) Carbon Disulfide	4.706	76	233680	19.779	ug/l		97
17) Allyl chloride	5.006	41	134223	18.874	ug/l		95
18) Methylene Chloride	5.259	84	91812	19.167	ug/l		94
19) trans-1,2-Dichloroethene	5.777	96	84343	19.357	ug/l		94
20) Diisopropyl ether	6.659	45	308391	19.048	ug/l	#	97
21) 1,1-Dichloroethane	6.547	63	160073	18.992	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	103897	19.048	ug/l		98
23) tert-Butyl Alcohol	5.518	59	111186	93.763	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	305027	18.751	ug/l		100
25) Chloroform	7.953	83	166302	19.120	ug/l		94
26) Cyclohexane	8.241	56	135705	19.433	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	111713	19.507	ug/l		98
30) 2-Butanone	7.471	43	383183	90.720	ug/l		100
31) 2,2-Dichloropropane	7.477	77	136899	18.552	ug/l		98
32) 1,1,1-Trichloroethane	8.153	97	138868	19.406	ug/l		100
33) Carbon Tetrachloride	8.341	117	117258	19.562	ug/l		93
34) Benzene	8.583	78	362455	19.081	ug/l		97
35) Methacrylonitrile	7.759	41	88280	19.875	ug/l		95
36) 1,2-Dichloroethane	8.653	62	127793	19.378	ug/l		100
37) Trichloroethene	9.336	130	86434	19.205	ug/l		95
38) Methylcyclohexane	9.583	83	139333	19.701	ug/l		99
39) 1,2-Dichloropropane	9.600	63	88633	18.608	ug/l		98
40) Dibromomethane	9.688	93	65564	18.910	ug/l		97
41) Bromodichloromethane	9.871	83	135709	19.165	ug/l		98
42) Vinyl Acetate	6.589	43	1445002	100.422	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.547	43	156744	19.305	ug/l	96
44) Isopropyl Acetate	8.671	43	246443	18.583	ug/l	93
45) 1,4-Dioxane	9.677	88	36239	410.874	ug/l	92
46) Methyl methacrylate	9.665	41	109997	18.835	ug/l	98
47) n-amyl Acetate	12.618	43	128465m	20.438	ug/l	
48) t-1,3-Dichloropropene	10.818	75	145368	18.462	ug/l	96
49) cis-1,3-Dichloropropene	10.288	75	153293	18.663	ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	85732	18.672	ug/l	97
51) Ethyl methacrylate	10.859	69	146337	18.832	ug/l	97
52) 1,3-Dichloropropane	11.141	76	152014	18.977	ug/l	100
53) Dibromochloromethane	11.335	129	103530	18.861	ug/l	99
54) 1,2-Dibromoethane	11.447	107	91960	18.734	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	416502	99.302	ug/l	100
56) Bromoform	12.559	173	68875	18.560	ug/l	99
58) 4-Methyl-2-Pentanone	10.424	43	758466	96.964	ug/l	99
59) 2-Hexanone	11.177	43	483068	93.537	ug/l	99
61) Tetrachloroethene	11.082	164	71033	20.058	ug/l	97
62) Toluene	10.606	91	386375	19.478	ug/l	98
64) Chlorobenzene	11.871	112	244551	19.301	ug/l	99
65) 1,1,1,2-Tetrachloroethane	11.941	131	85260	19.526	ug/l	97
66) Ethyl Benzene	11.941	91	429071	19.892	ug/l	97
67) m/p-Xylenes	12.047	106	324024	38.967	ug/l	99
68) o-Xylene	12.377	106	165214	19.959	ug/l	99
69) Styrene	12.388	104	265810	19.412	ug/l	97
70) Isopropylbenzene	12.676	105	398248	19.630	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	131239	19.080	ug/l	99
72) 1,2,3-Trichloropropane	12.971	75	127895m	20.021	ug/l	
73) Bromobenzene	12.959	156	95991	19.358	ug/l	99
74) n-propylbenzene	13.012	91	477849	19.511	ug/l	100
75) 2-Chlorotoluene	13.106	91	293367	19.590	ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	338338	19.632	ug/l	99
77) t-1,4-Dichloro-2-butene	12.718	75	45124	17.725	ug/l	92
78) 4-Chlorotoluene	13.200	91	304451	20.011	ug/l	96
79) tert-butylbenzene	13.418	119	300216	20.095	ug/l	99
80) 1,2,4-Trimethylbenzene	13.459	105	334037	19.362	ug/l	99
81) sec-Butylbenzene	13.594	105	420608	20.024	ug/l	99
82) p-Isopropyltoluene	13.706	119	357698	19.946	ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	182636	19.575	ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	189713	19.717	ug/l	97
85) n-Butylbenzene	14.035	91	325855	19.531	ug/l	98
86) Hexachloroethane	14.312	117	68552	19.082	ug/l	97
87) 1,2-Dichlorobenzene	14.082	146	180967	19.720	ug/l	98
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29181	18.472	ug/l	95
89) 1,2,4-Trichlorobenzene	15.812	180	104369	19.094	ug/l	97
90) Hexachlorobutadiene	15.476	225	37798	19.868	ug/l	96
91) Naphthalene	15.612	128	381643	19.071	ug/l	100
92) 1,2,3-Trichlorobenzene	15.812	180	104369	19.094	ug/l	97

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

ICAL Form

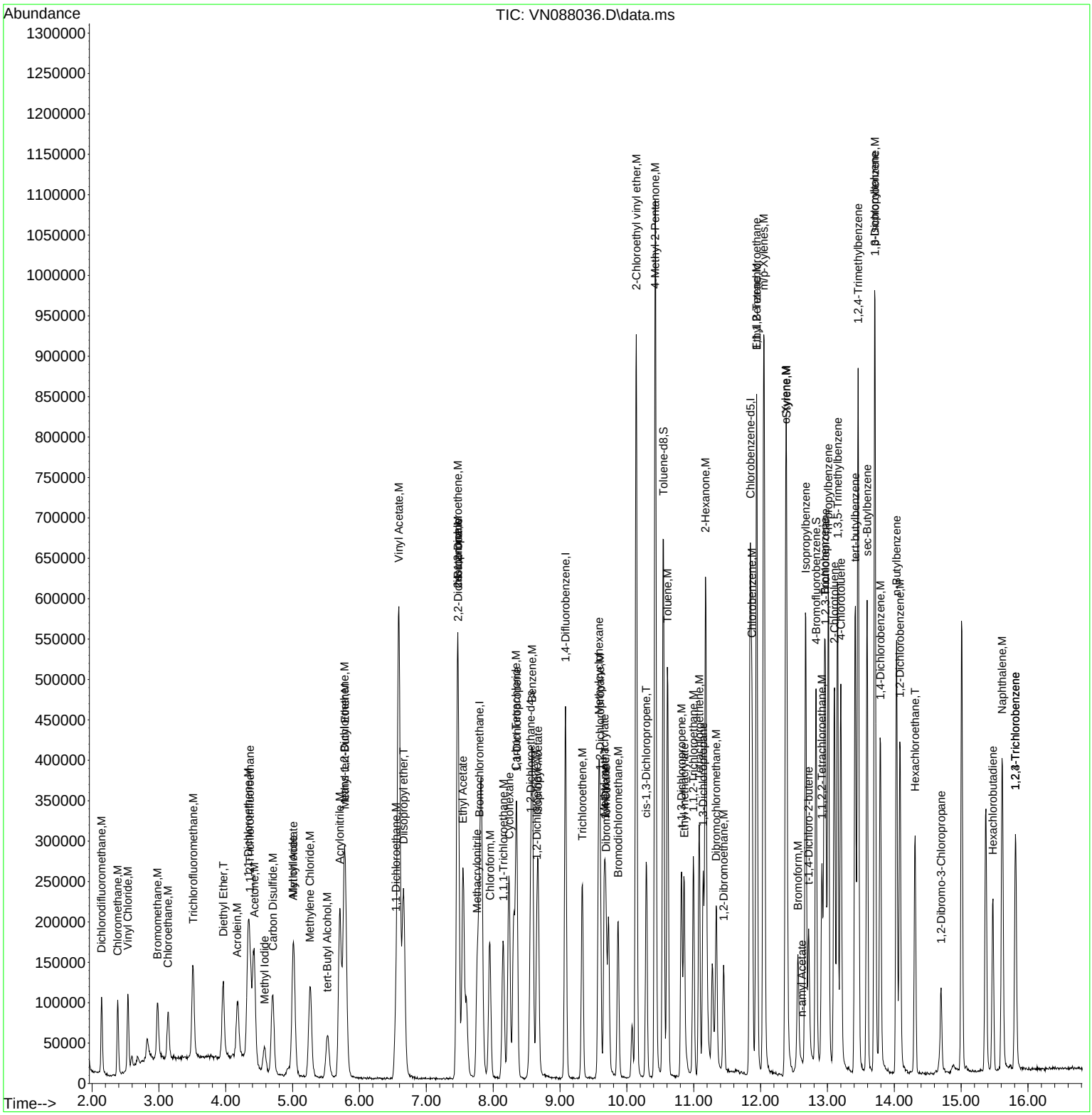
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Manual Integrations APPROVED

Reviewed By :John Carlone 10/09/2025
Supervised By :Mahesh Dadoda 10/10/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	100	0.00
2	M	Dichlorodifluoromethane	1.718	1.732	-0.8	97	0.00
3	M	Chloromethane	1.948	1.954	-0.3	101	0.00
4	M	Vinyl Chloride	2.031	1.994	1.8	98	0.00
5	M	Bromomethane	1.092	1.197	-9.6	115	0.00
6	M	Chloroethane	1.340	1.261	5.9	95	0.00
7	M	Trichlorofluoromethane	2.762	2.676	3.1	98	0.00
8	T	Diethyl Ether	1.248	1.156	7.4	95	0.00
9		1,1,2-Trichlorotrifluoroeth	1.479	1.464	1.0	101	0.00
10	M	1,1-Dichloroethene	1.577	1.540	2.3	99	0.00
11		Methyl Iodide	1.454	1.253	13.8	105	0.00
12		Methyl Acetate	2.564	2.350	8.3	93	0.00
13	M	Acrolein	0.397	0.393	1.0	112	0.00
14	M	Acrylonitrile	1.237	1.163	6.0	96	0.00
15	M	Acetone	0.362	0.324	10.5	89	0.00
16	M	Carbon Disulfide	4.945	4.890	1.1	101	0.01
17		Allyl chloride	2.976	2.809	5.6	96	0.00
18	M	Methylene Chloride	2.005	1.921	4.2	99	0.00
19	M	trans-1,2-Dichloroethene	1.824	1.765	3.2	97	0.00
20	T	Diisopropyl ether	6.776	6.454	4.8	96	0.00
21	M	1,1-Dichloroethane	3.528	3.350	5.0	96	0.00
22	M	cis-1,2-Dichloroethene	2.283	2.174	4.8	96	0.00
23	M	tert-Butyl Alcohol	0.496	0.465	6.2	95	-0.01
24	M	Methyl tert-Butyl Ether	6.809	6.383	6.3	96	0.00
25	M	Chloroform	3.640	3.480	4.4	98	0.00
26		Cyclohexane	2.923	2.840	2.8	96	0.00
27	s	1,2-Dichloroethane-d4	2.336	2.332	0.2	101	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	99	0.00
29		1,1-Dichloropropene	0.430	0.419	2.6	99	0.00
30	M	2-Butanone	0.317	0.288	9.1	91	0.00
31		2,2-Dichloropropane	0.554	0.514	7.2	93	0.00
32	M	1,1,1-Trichloroethane	0.537	0.521	3.0	96	0.00
33	M	Carbon Tetrachloride	0.450	0.440	2.2	98	0.00
34	M	Benzene	1.426	1.361	4.6	97	0.00
35		Methacrylonitrile	0.334	0.331	0.9	99	0.00
36	M	1,2-Dichloroethane	0.495	0.480	3.0	97	0.00
37	M	Trichloroethene	0.338	0.325	3.8	97	0.00
38		Methylcyclohexane	0.531	0.523	1.5	100	0.00
39	M	1,2-Dichloropropane	0.358	0.333	7.0	95	0.00
40		Dibromomethane	0.260	0.246	5.4	95	0.00
41	M	Bromodichloromethane	0.532	0.509	4.3	98	0.00
42	M	Vinyl Acetate	1.080	1.085	-0.5	107	0.00
43		Ethyl Acetate	0.610	0.588	3.6	96	0.00
44		Isopropyl Acetate	0.996	0.925	7.1	94	0.00
45	T	1,4-Dioxane	0.007	0.007	0.0	95	0.00
46		Methyl methacrylate	0.439	0.413	5.9	107	0.00
47		n-amyl Acetate	0.472	0.482	-2.1	104	0.05
48	M	t-1,3-Dichloropropene	0.591	0.546	7.6	95	0.00

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	0.617	0.576	6.6	95	0.00
50	M	1,1,2-Trichloroethane	0.345	0.322	6.7	95	0.00
51		Ethyl methacrylate	0.583	0.549	5.8	99	0.00
52		1,3-Dichloropropane	0.601	0.571	5.0	96	0.00
53	M	Dibromochloromethane	0.412	0.389	5.6	97	0.00
54	M	1,2-Dibromoethane	0.369	0.345	6.5	96	0.00
55	M	2-Chloroethyl vinyl ether	0.315	0.313	0.6	97	0.00
56	M	Bromoform	0.279	0.259	7.2	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	0.671	0.651	3.0	95	0.00
59	M	2-Hexanone	0.443	0.414	6.5	93	0.00
60	S	4-Bromofluorobenzene	0.495	0.493	0.4	98	0.00
61	M	Tetrachloroethene	0.304	0.305	-0.3	98	0.00
62	M	Toluene	1.702	1.657	2.6	96	0.00
63	S	Toluene-d8	1.337	1.340	-0.2	98	0.00
64	M	Chlorobenzene	1.087	1.049	3.5	95	0.00
65		1,1,1,2-Tetrachloroethane	0.375	0.366	2.4	94	0.00
66	M	Ethyl Benzene	1.850	1.840	0.5	98	0.00
67	M	m/p-Xylenes	0.713	0.695	2.5	96	0.00
68	M	o-Xylene	0.710	0.709	0.1	98	0.00
69	M	Styrene	1.175	1.140	3.0	99	0.00
70		Isopropylbenzene	1.740	1.708	1.8	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.590	0.563	4.6	95	0.00
72		1,2,3-Trichloropropane	0.548	0.549	-0.2	104	0.00
73		Bromobenzene	0.425	0.412	3.1	95	0.00
74		n-propylbenzene	2.101	2.050	2.4	97	0.00
75		2-Chlorotoluene	1.285	1.258	2.1	97	0.00
76		1,3,5-Trimethylbenzene	1.478	1.451	1.8	98	0.00
77		t-1,4-Dichloro-2-butene	0.218	0.194	11.0	97	0.00
78		4-Chlorotoluene	1.305	1.306	-0.1	99	0.00
79		tert-butylbenzene	1.282	1.288	-0.5	98	0.00
80		1,2,4-Trimethylbenzene	1.480	1.433	3.2	96	0.00
81		sec-Butylbenzene	1.802	1.804	-0.1	99	0.00
82		p-Isopropyltoluene	1.538	1.534	0.3	98	0.00
83	M	1,3-Dichlorobenzene	0.800	0.783	2.1	96	0.00
84	M	1,4-Dichlorobenzene	0.825	0.814	1.3	96	0.00
85		n-Butylbenzene	1.431	1.398	2.3	96	0.00
86	T	Hexachloroethane	0.308	0.294	4.5	95	0.00
87	M	1,2-Dichlorobenzene	0.787	0.776	1.4	97	0.00
88		1,2-Dibromo-3-Chloropropane	0.136	0.125	8.1	88	0.00
89		1,2,4-Trichlorobenzene	0.469	0.448	4.5	94	0.00
90		Hexachlorobutadiene	0.163	0.162	0.6	100	0.00
91	M	Naphthalene	1.717	1.637	4.7	94	0.00
92		1,2,3-Trichlorobenzene	0.469	0.448	4.5	94	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	100	0.00
2	M	Dichlorodifluoromethane	20.000	20.154	-0.8	97	0.00
3	M	Chloromethane	20.000	20.058	-0.3	101	0.00
4	M	Vinyl Chloride	20.000	19.632	1.8	98	0.00
5	M	Bromomethane	20.000	21.918	-9.6	115	0.00
6	M	Chloroethane	20.000	18.828	5.9	95	0.00
7	M	Trichlorofluoromethane	20.000	19.378	3.1	98	0.00
8	T	Diethyl Ether	20.000	18.530	7.3	95	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.799	1.0	101	0.00
10	M	1,1-Dichloroethene	20.000	19.526	2.4	99	0.00
11		Methyl Iodide	20.000	17.244	13.8	105	0.00
12		Methyl Acetate	20.000	18.325	8.4	93	0.00
13	M	Acrolein	100.000	99.064	0.9	112	0.00
14	M	Acrylonitrile	100.000	93.988	6.0	96	0.00
15	M	Acetone	100.000	89.462	10.5	89	0.00
16	M	Carbon Disulfide	20.000	19.779	1.1	101	0.01
17		Allyl chloride	20.000	18.874	5.6	96	0.00
18	M	Methylene Chloride	20.000	19.167	4.2	99	0.00
19	M	trans-1,2-Dichloroethene	20.000	19.357	3.2	97	0.00
20	T	Diisopropyl ether	20.000	19.048	4.8	96	0.00
21	M	1,1-Dichloroethane	20.000	18.992	5.0	96	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.048	4.8	96	0.00
23	M	tert-Butyl Alcohol	100.000	93.763	6.2	95	-0.01
24	M	Methyl tert-Butyl Ether	20.000	18.751	6.2	96	0.00
25	M	Chloroform	20.000	19.120	4.4	98	0.00
26		Cyclohexane	20.000	19.433	2.8	96	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.945	0.2	101	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	99	0.00
29		1,1-Dichloropropene	20.000	19.507	2.5	99	0.00
30	M	2-Butanone	100.000	90.720	9.3	91	0.00
31		2,2-Dichloropropane	20.000	18.552	7.2	93	0.00
32	M	1,1,1-Trichloroethane	20.000	19.406	3.0	96	0.00
33	M	Carbon Tetrachloride	20.000	19.562	2.2	98	0.00
34	M	Benzene	20.000	19.081	4.6	97	0.00
35		Methacrylonitrile	20.000	19.875	0.6	99	0.00
36	M	1,2-Dichloroethane	20.000	19.378	3.1	97	0.00
37	M	Trichloroethene	20.000	19.205	4.0	97	0.00
38		Methylcyclohexane	20.000	19.701	1.5	100	0.00
39	M	1,2-Dichloropropane	20.000	18.608	7.0	95	0.00
40		Dibromomethane	20.000	18.910	5.4	95	0.00
41	M	Bromodichloromethane	20.000	19.165	4.2	98	0.00
42	M	Vinyl Acetate	100.000	100.422	-0.4	107	0.00
43		Ethyl Acetate	20.000	19.305	3.5	96	0.00
44		Isopropyl Acetate	20.000	18.583	7.1	94	0.00
45	T	1,4-Dioxane	400.000	410.874	-2.7	95	0.00
46		Methyl methacrylate	20.000	18.835	5.8	107	0.00
47		n-amyl Acetate	20.000	20.438	-2.2	104	0.05
48	M	t-1,3-Dichloropropene	20.000	18.462	7.7	95	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088036.D
Acq On : 08 Oct 2025 12:52
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN100825

Quant Time: Oct 09 02:40:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	18.663	6.7	95	0.00
50	M	1,1,2-Trichloroethane	20.000	18.672	6.6	95	0.00
51		Ethyl methacrylate	20.000	18.832	5.8	99	0.00
52		1,3-Dichloropropane	20.000	18.977	5.1	96	0.00
53	M	Dibromochloromethane	20.000	18.861	5.7	97	0.00
54	M	1,2-Dibromoethane	20.000	18.734	6.3	96	0.00
55	M	2-Chloroethyl vinyl ether	100.000	99.302	0.7	97	0.00
56	M	Bromoform	20.000	18.560	7.2	97	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	98	0.00
58	M	4-Methyl-2-Pentanone	100.000	96.964	3.0	95	0.00
59	M	2-Hexanone	100.000	93.537	6.5	93	0.00
60	S	4-Bromofluorobenzene	30.000	29.914	0.3	98	0.00
61	M	Tetrachloroethene	20.000	20.058	-0.3	98	0.00
62	M	Toluene	20.000	19.478	2.6	96	0.00
63	S	Toluene-d8	30.000	30.075	-0.2	98	0.00
64	M	Chlorobenzene	20.000	19.301	3.5	95	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.526	2.4	94	0.00
66	M	Ethyl Benzene	20.000	19.892	0.5	98	0.00
67	M	m/p-Xylenes	40.000	38.967	2.6	96	0.00
68	M	o-Xylene	20.000	19.959	0.2	98	0.00
69	M	Styrene	20.000	19.412	2.9	99	0.00
70		Isopropylbenzene	20.000	19.630	1.9	98	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.080	4.6	95	0.00
72		1,2,3-Trichloropropane	20.000	20.021	-0.1	104	0.00
73		Bromobenzene	20.000	19.358	3.2	95	0.00
74		n-propylbenzene	20.000	19.511	2.4	97	0.00
75		2-Chlorotoluene	20.000	19.590	2.1	97	0.00
76		1,3,5-Trimethylbenzene	20.000	19.632	1.8	98	0.00
77		t-1,4-Dichloro-2-butene	20.000	17.725	11.4	97	0.00
78		4-Chlorotoluene	20.000	20.011	-0.1	99	0.00
79		tert-butylbenzene	20.000	20.095	-0.5	98	0.00
80		1,2,4-Trimethylbenzene	20.000	19.362	3.2	96	0.00
81		sec-Butylbenzene	20.000	20.024	-0.1	99	0.00
82		p-Isopropyltoluene	20.000	19.946	0.3	98	0.00
83	M	1,3-Dichlorobenzene	20.000	19.575	2.1	96	0.00
84	M	1,4-Dichlorobenzene	20.000	19.717	1.4	96	0.00
85		n-Butylbenzene	20.000	19.531	2.3	96	0.00
86	T	Hexachloroethane	20.000	19.082	4.6	95	0.00
87	M	1,2-Dichlorobenzene	20.000	19.720	1.4	97	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	18.472	7.6	88	0.00
89		1,2,4-Trichlorobenzene	20.000	19.094	4.5	94	0.00
90		Hexachlorobutadiene	20.000	19.868	0.7	100	0.00
91	M	Naphthalene	20.000	19.071	4.6	94	0.00
92		1,2,3-Trichlorobenzene	20.000	19.094	4.5	94	0.00

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

Raw Data: **VN088055.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG No.: Q3361
Instrument ID: MSVOA_N
Calibration Date/Time: 10/17/2025 09:29
Lab File ID: VN088055.D
Init. Calib. Date(s): 10/08/2025 10/08/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:34 11:12
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Acrolein	0.397	0.365		-8.06	
Acrylonitrile	1.238	1.060		-14.38	
1,2-Dichloroethane-d4	2.336	2.445	0.01	4.67	
Toluene-d8	1.337	1.360	0.01	1.72	
4-Bromofluorobenzene	0.495	0.493	0.2	-0.4	

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\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	68741	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.076	114	379209	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	339769	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	168041	31.393	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.633%				
60) 4-Bromofluorobenzene	12.823	95	167508	29.905	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.700%				
63) Toluene-d8	10.541	98	462055	30.523	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.733%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	68956	17.514	ug/l		99
3) Chloromethane	2.383	50	75993	17.024	ug/l		94
4) Vinyl Chloride	2.536	62	81232	17.453	ug/l		99
5) Bromomethane	2.983	94	44810	17.904	ug/l		100
6) Chloroethane	3.136	64	53814	17.527	ug/l		95
7) Trichlorofluoromethane	3.518	101	114592	18.105	ug/l		98
8) Diethyl Ether	3.965	74	50172	17.544	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.371	101	59829m	17.658	ug/l		
10) 1,1-Dichloroethene	4.336	96	63401	17.542	ug/l		97
11) Methyl Iodide	4.583	142	47047	14.123	ug/l		87
12) Methyl Acetate	5.018	43	106336	18.097	ug/l	#	89
13) Acrolein	4.177	56	83661	92.008	ug/l	#	7
14) Acrylonitrile	5.706	53	242849	85.644	ug/l		98
15) Acetone	4.424	58	75696	91.155	ug/l		90
16) Carbon Disulfide	4.706	76	194894	17.201	ug/l		98
17) Allyl chloride	5.012	41	117651	17.251	ug/l		96
18) Methylene Chloride	5.265	84	79827	17.377	ug/l		98
19) trans-1,2-Dichloroethene	5.777	96	73008	17.471	ug/l	#	82
20) Diisopropyl ether	6.659	45	279601	18.007	ug/l		97
21) 1,1-Dichloroethane	6.553	63	144503	17.877	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	89581	17.125	ug/l		97
23) tert-Butyl Alcohol	5.518	59	88279	77.626	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	272797	17.486	ug/l		99
25) Chloroform	7.947	83	148031	17.747	ug/l		95
26) Cyclohexane	8.235	56	116788	17.439	ug/l	#	95
29) 1,1-Dichloropropene	8.353	75	97631	17.962	ug/l		97
30) 2-Butanone	7.465	43	359946	89.786	ug/l		99
31) 2,2-Dichloropropane	7.477	77	128404	18.334	ug/l		98
32) 1,1,1-Trichloroethane	8.147	97	123879	18.239	ug/l		98
33) Carbon Tetrachloride	8.341	117	100535	17.672	ug/l		97
34) Benzene	8.588	78	322407	17.882	ug/l		97
35) Methacrylonitrile	7.765	41	70160	16.643	ug/l		99
36) 1,2-Dichloroethane	8.653	62	115989	18.531	ug/l		98
37) Trichloroethene	9.329	130	72198	16.902	ug/l		93
38) Methylcyclohexane	9.582	83	114412	17.044	ug/l		96
39) 1,2-Dichloropropane	9.600	63	80429	17.791	ug/l		99
40) Dibromomethane	9.688	93	59612	18.115	ug/l		94
41) Bromodichloromethane	9.865	83	120031	17.860	ug/l		99
42) Vinyl Acetate	6.588	43	1261882	92.397	ug/l		96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.541	43	140816m	18.273 ug/l	
44) Isopropyl Acetate	8.671	43	218478	17.358 ug/l	97
45) 1,4-Dioxane	9.676	88	25094	299.765 ug/l #	91
46) Methyl methacrylate	9.665	41	104805m	18.908 ug/l	
47) n-amyl Acetate	12.588	43	121494m	20.365 ug/l	
48) t-1,3-Dichloropropene	10.818	75	130980	17.526 ug/l	95
49) cis-1,3-Dichloropropene	10.294	75	139016	17.833 ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	75536	17.333 ug/l	97
51) Ethyl methacrylate	10.853	69	126407	17.140 ug/l	97
52) 1,3-Dichloropropane	11.141	76	137378	18.069 ug/l	99
53) Dibromochloromethane	11.335	129	92038	17.666 ug/l	98
54) 1,2-Dibromoethane	11.447	107	80058	17.184 ug/l	97
55) 2-Chloroethyl vinyl ether	10.141	63	353530	88.807 ug/l	98
56) Bromoform	12.559	173	57223	16.246 ug/l	96
58) 4-Methyl-2-Pentanone	10.423	43	661034	86.980 ug/l	98
59) 2-Hexanone	11.176	43	450152	89.713 ug/l	99
61) Tetrachloroethene	11.082	164	57616	16.745 ug/l	96
62) Toluene	10.606	91	339113	17.595 ug/l	99
64) Chlorobenzene	11.870	112	213944	17.379 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.941	131	74677	17.603 ug/l	98
66) Ethyl Benzene	11.941	91	369860	17.649 ug/l	100
67) m/p-Xylenes	12.047	106	283387	35.077 ug/l	97
68) o-Xylene	12.376	106	137374	17.081 ug/l	94
69) Styrene	12.388	104	230855	17.352 ug/l	99
70) Isopropylbenzene	12.670	105	342498	17.376 ug/l	98
71) 1,1,2,2-Tetrachloroethane	12.917	83	116626	17.452 ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	111200m	17.917 ug/l	
73) Bromobenzene	12.959	156	80810	16.773 ug/l	93
74) n-propylbenzene	13.012	91	418345	17.581 ug/l	98
75) 2-Chlorotoluene	13.106	91	256739	17.646 ug/l	99
76) 1,3,5-Trimethylbenzene	13.147	105	292691	17.481 ug/l	98
77) t-1,4-Dichloro-2-butene	12.717	75	39570m	15.998 ug/l	
78) 4-Chlorotoluene	13.200	91	263876	17.851 ug/l	97
79) tert-butylbenzene	13.412	119	257431	17.735 ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	292967	17.478 ug/l	96
81) sec-Butylbenzene	13.594	105	361492	17.713 ug/l	98
82) p-Isopropyltoluene	13.706	119	307176	17.630 ug/l	98
83) 1,3-Dichlorobenzene	13.711	146	155053	17.105 ug/l	98
84) 1,4-Dichlorobenzene	13.788	146	157460	16.843 ug/l	99
85) n-Butylbenzene	14.035	91	287279	17.722 ug/l	99
86) Hexachloroethane	14.306	117	61461	17.608 ug/l	88
87) 1,2-Dichlorobenzene	14.082	146	153219	17.185 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	26516	17.276 ug/l	91
89) 1,2,4-Trichlorobenzene	15.811	180	84590	15.928 ug/l	99
90) Hexachlorobutadiene	15.476	225	29490	15.955 ug/l	99
91) Naphthalene	15.611	128	314372	16.169 ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	84590	15.928 ug/l	99

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

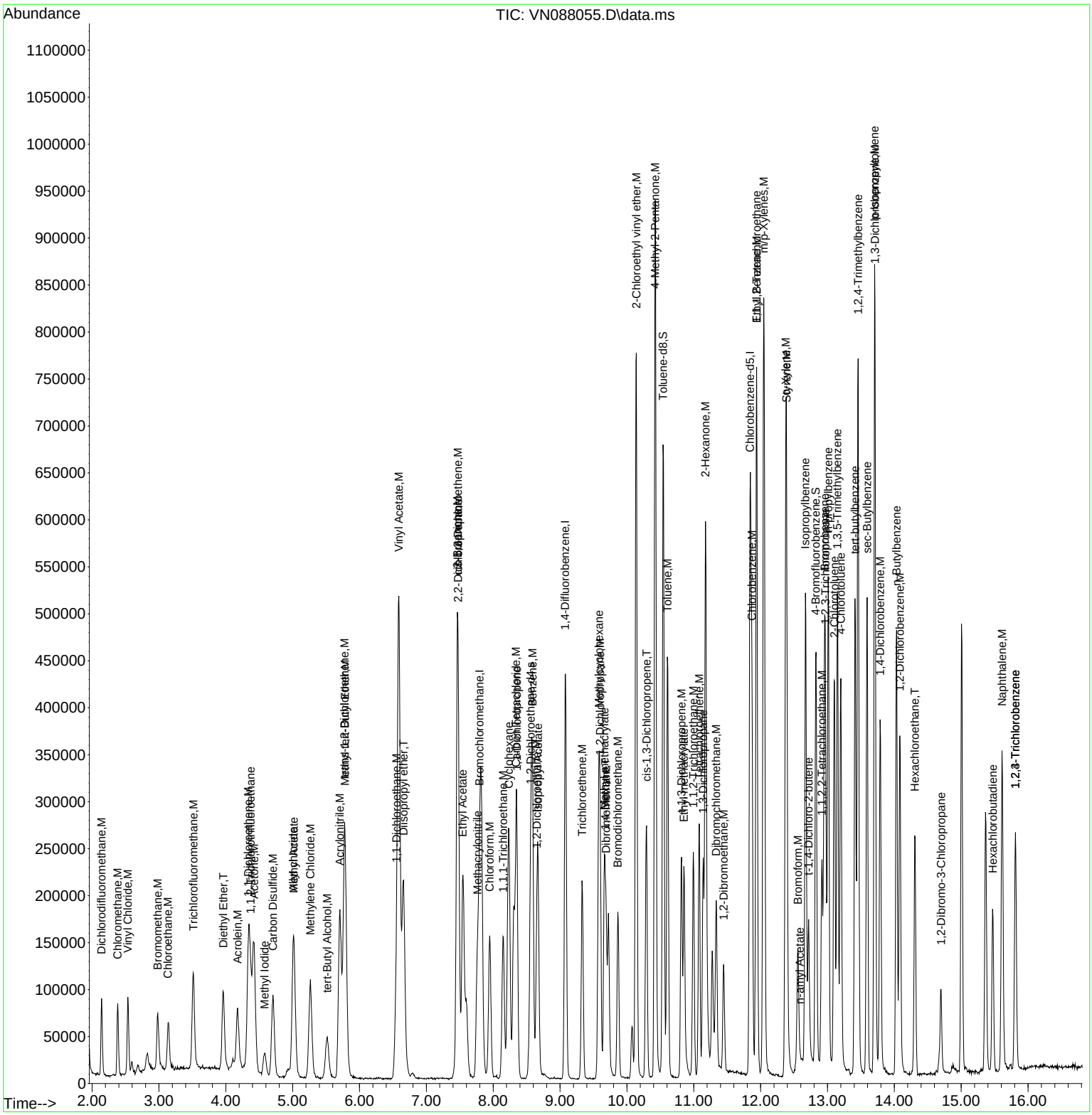
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Sample Results: **VN088055.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	96	0.00
2	M	Dichlorodifluoromethane	1.718	1.505	12.4	81	0.00
3	M	Chloromethane	1.948	1.658	14.9	82	0.00
4	M	Vinyl Chloride	2.031	1.773	12.7	84	0.00
5	M	Bromomethane	1.092	0.978	10.4	90	0.00
6	M	Chloroethane	1.340	1.174	12.4	85	0.00
7	M	Trichlorofluoromethane	2.762	2.501	9.4	88	0.01
8	T	Diethyl Ether	1.248	1.095	12.3	86	0.00
9		1,1,2-Trichlorotrifluoroeth	1.479	1.306	11.7	86	0.00
10	M	1,1-Dichloroethene	1.577	1.383	12.3	85	0.00
11		Methyl Iodide	1.454	1.027	29.4#	82	0.00
12		Methyl Acetate	2.564	2.320	9.5	88	0.00
13	M	Acrolein	0.397	0.365	8.1	100	0.00
14	M	Acrylonitrile	1.237	1.060	14.3	84	0.00
15	M	Acetone	0.362	0.330	8.8	87	0.00
16	M	Carbon Disulfide	4.945	4.253	14.0	84	0.01
17		Allyl chloride	2.976	2.567	13.7	84	0.00
18	M	Methylene Chloride	2.005	1.742	13.1	86	0.00
19	M	trans-1,2-Dichloroethene	1.824	1.593	12.7	84	0.00
20	T	Diisopropyl ether	6.776	6.101	10.0	87	0.00
21	M	1,1-Dichloroethane	3.528	3.153	10.6	86	0.00
22	M	cis-1,2-Dichloroethene	2.283	1.955	14.4	83	0.00
23	M	tert-Butyl Alcohol	0.496	0.385	22.4	75	-0.01
24	M	Methyl tert-Butyl Ether	6.809	5.953	12.6	85	0.00
25	M	Chloroform	3.640	3.230	11.3	87	0.00
26		Cyclohexane	2.923	2.548	12.8	83	0.00
27	s	1,2-Dichloroethane-d4	2.336	2.445	-4.7	101	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	94	0.00
29		1,1-Dichloropropene	0.430	0.386	10.2	87	0.00
30	M	2-Butanone	0.317	0.285	10.1	85	-0.01
31		2,2-Dichloropropane	0.554	0.508	8.3	87	0.00
32	M	1,1,1-Trichloroethane	0.537	0.490	8.8	86	0.00
33	M	Carbon Tetrachloride	0.450	0.398	11.6	84	0.00
34	M	Benzene	1.426	1.275	10.6	86	0.00
35		Methacrylonitrile	0.334	0.278	16.8	79	0.00
36	M	1,2-Dichloroethane	0.495	0.459	7.3	88	0.00
37	M	Trichloroethene	0.338	0.286	15.4	81	0.00
38		Methylcyclohexane	0.531	0.453	14.7	82	0.00
39	M	1,2-Dichloropropane	0.358	0.318	11.2	86	0.00
40		Dibromomethane	0.260	0.236	9.2	86	0.00
41	M	Bromodichloromethane	0.532	0.475	10.7	87	0.00
42	M	Vinyl Acetate	1.080	0.998	7.6	94	0.00
43		Ethyl Acetate	0.610	0.557	8.7	86	-0.01
44		Isopropyl Acetate	0.996	0.864	13.3	83	0.00
45	T	1,4-Dioxane	0.007	0.005	28.6#	66	0.00
46		Methyl methacrylate	0.439	0.415	5.5	102	0.00
47		n-amyl Acetate	0.472	0.481	-1.9	99	0.02
48	M	t-1,3-Dichloropropene	0.591	0.518	12.4	86	0.00

Sample Results: **VN088055.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	0.617	0.550	10.9	86	0.00
50	M	1,1,2-Trichloroethane	0.345	0.299	13.3	83	0.00
51		Ethyl methacrylate	0.583	0.500	14.2	85	0.00
52		1,3-Dichloropropane	0.601	0.543	9.7	87	0.00
53	M	Dibromochloromethane	0.412	0.364	11.7	86	0.00
54	M	1,2-Dibromoethane	0.369	0.317	14.1	83	0.00
55	M	2-Chloroethyl vinyl ether	0.315	0.280	11.1	83	0.00
56	M	Bromoform	0.279	0.226	19.0	81	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	0.671	0.584	13.0	83	0.00
59	M	2-Hexanone	0.443	0.397	10.4	87	0.00
60	S	4-Bromofluorobenzene	0.495	0.493	0.4	95	0.00
61	M	Tetrachloroethene	0.304	0.254	16.4	79	0.00
62	M	Toluene	1.702	1.497	12.0	84	0.00
63	S	Toluene-d8	1.337	1.360	-1.7	97	0.00
64	M	Chlorobenzene	1.087	0.945	13.1	83	0.00
65		1,1,1,2-Tetrachloroethane	0.375	0.330	12.0	82	0.00
66	M	Ethyl Benzene	1.850	1.633	11.7	85	0.00
67	M	m/p-Xylenes	0.713	0.626	12.2	84	0.00
68	M	o-Xylene	0.710	0.606	14.6	82	0.00
69	M	Styrene	1.175	1.019	13.3	86	0.00
70		Isopropylbenzene	1.740	1.512	13.1	84	0.00
71	M	1,1,2,2-Tetrachloroethane	0.590	0.515	12.7	84	0.00
72		1,2,3-Trichloropropane	0.548	0.491	10.4	91	0.00
73		Bromobenzene	0.425	0.357	16.0	80	0.00
74		n-propylbenzene	2.101	1.847	12.1	85	0.00
75		2-Chlorotoluene	1.285	1.133	11.8	85	0.00
76		1,3,5-Trimethylbenzene	1.478	1.292	12.6	84	0.00
77		t-1,4-Dichloro-2-butene	0.218	0.175	19.7	85	0.00
78		4-Chlorotoluene	1.305	1.165	10.7	86	0.00
79		tert-butylbenzene	1.282	1.136	11.4	84	0.00
80		1,2,4-Trimethylbenzene	1.480	1.293	12.6	84	0.00
81		sec-Butylbenzene	1.802	1.596	11.4	85	0.00
82		p-Isopropyltoluene	1.538	1.356	11.8	84	0.00
83	M	1,3-Dichlorobenzene	0.800	0.685	14.4	81	0.00
84	M	1,4-Dichlorobenzene	0.825	0.695	15.8	80	0.00
85		n-Butylbenzene	1.431	1.268	11.4	85	0.00
86	T	Hexachloroethane	0.308	0.271	12.0	86	0.00
87	M	1,2-Dichlorobenzene	0.787	0.676	14.1	82	0.00
88		1,2-Dibromo-3-Chloropropane	0.136	0.117	14.0	80	0.00
89		1,2,4-Trichlorobenzene	0.469	0.373	20.5	76	0.00
90		Hexachlorobutadiene	0.163	0.130	20.2	78	0.00
91	M	Naphthalene	1.717	1.388	19.2	78	0.00
92		1,2,3-Trichlorobenzene	0.469	0.373	20.5	76	0.00

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

Sample Results: **VN088055.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	96	0.00
2	M	Dichlorodifluoromethane	20.000	17.514	12.4	81	0.00
3	M	Chloromethane	20.000	17.024	14.9	82	0.00
4	M	Vinyl Chloride	20.000	17.453	12.7	84	0.00
5	M	Bromomethane	20.000	17.904	10.5	90	0.00
6	M	Chloroethane	20.000	17.527	12.4	85	0.00
7	M	Trichlorofluoromethane	20.000	18.105	9.5	88	0.01
8	T	Diethyl Ether	20.000	17.544	12.3	86	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	17.658	11.7	86	0.00
10	M	1,1-Dichloroethene	20.000	17.542	12.3	85	0.00
11		Methyl Iodide	20.000	14.123	29.4#	82	0.00
12		Methyl Acetate	20.000	18.097	9.5	88	0.00
13	M	Acrolein	100.000	92.008	8.0	100	0.00
14	M	Acrylonitrile	100.000	85.644	14.4	84	0.00
15	M	Acetone	100.000	91.155	8.8	87	0.00
16	M	Carbon Disulfide	20.000	17.201	14.0	84	0.01
17		Allyl chloride	20.000	17.251	13.7	84	0.00
18	M	Methylene Chloride	20.000	17.377	13.1	86	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.471	12.6	84	0.00
20	T	Diisopropyl ether	20.000	18.007	10.0	87	0.00
21	M	1,1-Dichloroethane	20.000	17.877	10.6	86	0.00
22	M	cis-1,2-Dichloroethene	20.000	17.125	14.4	83	0.00
23	M	tert-Butyl Alcohol	100.000	77.626	22.4	75	-0.01
24	M	Methyl tert-Butyl Ether	20.000	17.486	12.6	85	0.00
25	M	Chloroform	20.000	17.747	11.3	87	0.00
26		Cyclohexane	20.000	17.439	12.8	83	0.00
27	s	1,2-Dichloroethane-d4	30.000	31.393	-4.6	101	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	94	0.00
29		1,1-Dichloropropene	20.000	17.962	10.2	87	0.00
30	M	2-Butanone	100.000	89.786	10.2	85	-0.01
31		2,2-Dichloropropane	20.000	18.334	8.3	87	0.00
32	M	1,1,1-Trichloroethane	20.000	18.239	8.8	86	0.00
33	M	Carbon Tetrachloride	20.000	17.672	11.6	84	0.00
34	M	Benzene	20.000	17.882	10.6	86	0.00
35		Methacrylonitrile	20.000	16.643	16.8	79	0.00
36	M	1,2-Dichloroethane	20.000	18.531	7.3	88	0.00
37	M	Trichloroethene	20.000	16.902	15.5	81	0.00
38		Methylcyclohexane	20.000	17.044	14.8	82	0.00
39	M	1,2-Dichloropropane	20.000	17.791	11.0	86	0.00
40		Dibromomethane	20.000	18.115	9.4	86	0.00
41	M	Bromodichloromethane	20.000	17.860	10.7	87	0.00
42	M	Vinyl Acetate	100.000	92.397	7.6	94	0.00
43		Ethyl Acetate	20.000	18.273	8.6	86	-0.01
44		Isopropyl Acetate	20.000	17.358	13.2	83	0.00
45	T	1,4-Dioxane	400.000	299.765	25.1#	66	0.00
46		Methyl methacrylate	20.000	18.908	5.5	102	0.00
47		n-amyl Acetate	20.000	20.365	-1.8	99	0.02
48	M	t-1,3-Dichloropropene	20.000	17.526	12.4	86	0.00

Sample Results: **VN088055.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088055.D
Acq On : 17 Oct 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Oct 18 01:18:00 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 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	17.833	10.8	86	0.00
50	M	1,1,2-Trichloroethane	20.000	17.333	13.3	83	0.00
51		Ethyl methacrylate	20.000	17.140	14.3	85	0.00
52		1,3-Dichloropropane	20.000	18.069	9.7	87	0.00
53	M	Dibromochloromethane	20.000	17.666	11.7	86	0.00
54	M	1,2-Dibromoethane	20.000	17.184	14.1	83	0.00
55	M	2-Chloroethyl vinyl ether	100.000	88.807	11.2	83	0.00
56	M	Bromoform	20.000	16.246	18.8	81	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	100.000	86.980	13.0	83	0.00
59	M	2-Hexanone	100.000	89.713	10.3	87	0.00
60	S	4-Bromofluorobenzene	30.000	29.905	0.3	95	0.00
61	M	Tetrachloroethene	20.000	16.745	16.3	79	0.00
62	M	Toluene	20.000	17.595	12.0	84	0.00
63	S	Toluene-d8	30.000	30.523	-1.7	97	0.00
64	M	Chlorobenzene	20.000	17.379	13.1	83	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.603	12.0	82	0.00
66	M	Ethyl Benzene	20.000	17.649	11.8	85	0.00
67	M	m/p-Xylenes	40.000	35.077	12.3	84	0.00
68	M	o-Xylene	20.000	17.081	14.6	82	0.00
69	M	Styrene	20.000	17.352	13.2	86	0.00
70		Isopropylbenzene	20.000	17.376	13.1	84	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	17.452	12.7	84	0.00
72		1,2,3-Trichloropropane	20.000	17.917	10.4	91	0.00
73		Bromobenzene	20.000	16.773	16.1	80	0.00
74		n-propylbenzene	20.000	17.581	12.1	85	0.00
75		2-Chlorotoluene	20.000	17.646	11.8	85	0.00
76		1,3,5-Trimethylbenzene	20.000	17.481	12.6	84	0.00
77		t-1,4-Dichloro-2-butene	20.000	15.998	20.0	85	0.00
78		4-Chlorotoluene	20.000	17.851	10.7	86	0.00
79		tert-butylbenzene	20.000	17.735	11.3	84	0.00
80		1,2,4-Trimethylbenzene	20.000	17.478	12.6	84	0.00
81		sec-Butylbenzene	20.000	17.713	11.4	85	0.00
82		p-Isopropyltoluene	20.000	17.630	11.9	84	0.00
83	M	1,3-Dichlorobenzene	20.000	17.105	14.5	81	0.00
84	M	1,4-Dichlorobenzene	20.000	16.843	15.8	80	0.00
85		n-Butylbenzene	20.000	17.722	11.4	85	0.00
86	T	Hexachloroethane	20.000	17.608	12.0	86	0.00
87	M	1,2-Dichlorobenzene	20.000	17.185	14.1	82	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.276	13.6	80	0.00
89		1,2,4-Trichlorobenzene	20.000	15.928	20.4	76	0.00
90		Hexachlorobutadiene	20.000	15.955	20.2	78	0.00
91	M	Naphthalene	20.000	16.169	19.2	78	0.00
92		1,2,3-Trichlorobenzene	20.000	15.928	20.4	76	0.00

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

QC SAMPLE DATA

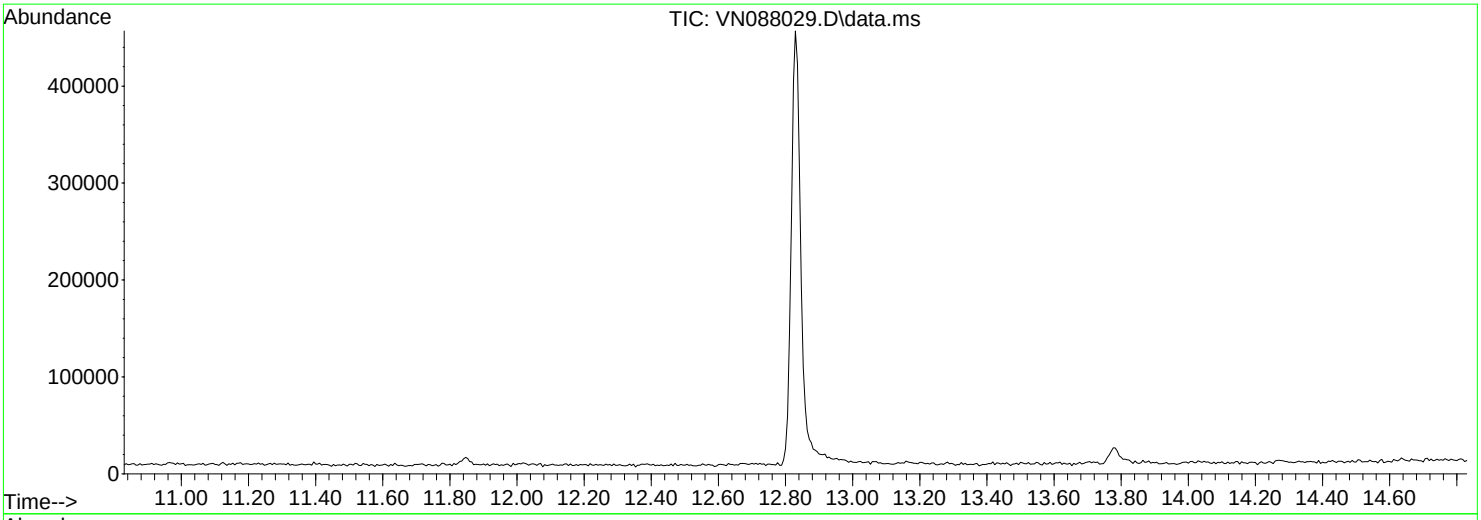
Sample Results: **VN088029.D**

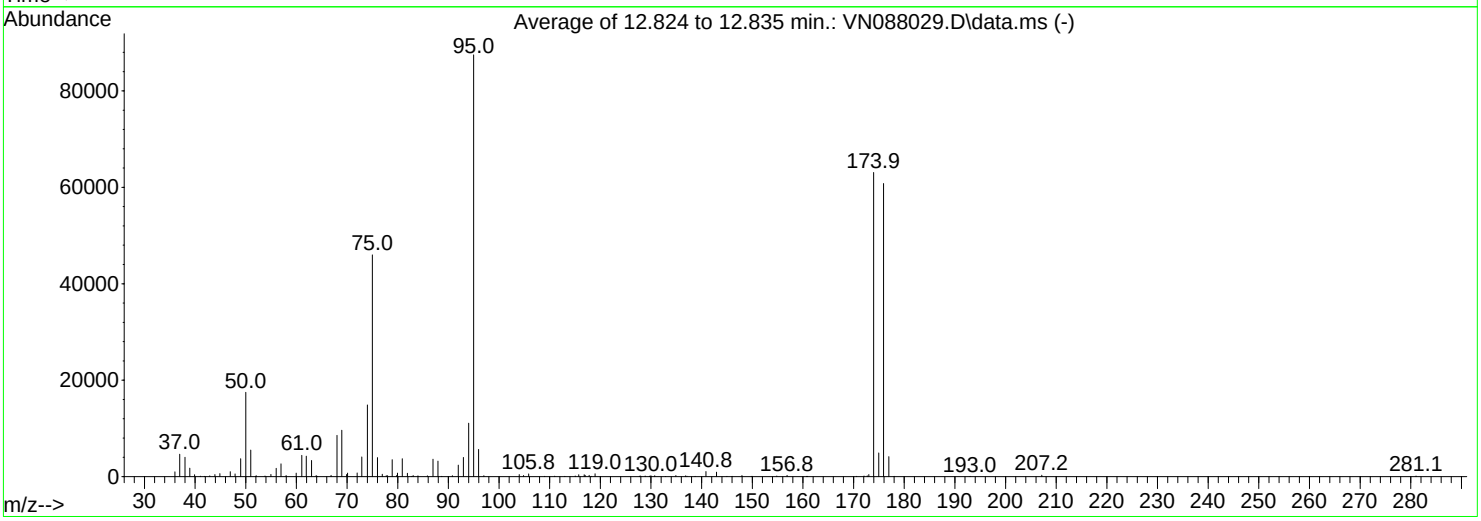
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN100825\
Data File : VN088029.D
Acq On : 08 Oct 2025 09:00
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N092325W.M
Title : SW846 8260
Last Update : Wed Sep 24 05:05:30 2025





AutoFind: Scans 1848, 1849, 1850; Background Corrected with Scan 1838

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	20.0	17477	PASS
75	95	30	60	52.6	45984	PASS
95	95	100	100	100.0	87474	PASS
96	95	5	9	6.4	5640	PASS
173	174	0.00	2	0.7	447	PASS
174	95	50	100	72.1	63077	PASS
175	174	5	9	7.8	4922	PASS
176	174	95	101	96.4	60787	PASS
177	176	5	9	6.8	4150	PASS

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	1009	47.90	581	59.95	735	72.00	74
36.95	4647	49.00	3723	61.05	4431	72.90	407
38.00	4004	50.00	17477	61.95	4248	74.00	1487
38.95	1766	51.00	5503	63.00	3349	75.00	4598
39.90	406	51.90	62	63.90	238	76.00	3941
41.05	87	52.05	200	64.20	75	76.95	508
41.90	79	53.80	133	66.85	265	77.75	196
42.90	180	54.95	468	68.00	8577	78.00	198
43.90	433	56.00	1730	68.95	9610	78.90	3521
44.90	634	56.95	2644	69.90	438	79.80	249
46.95	1040	57.95	232	70.10	737	79.95	727

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
80.90	3725	92.95	3969	115.05	120	130.00	219
81.90	684	94.00	11096	115.75	389	130.75	204
82.80	75	95.00	87474	116.80	384	132.90	22
83.05	245	95.95	5640	117.00	258	134.90	235
84.00	168	97.00	213	117.80	275	136.80	157
85.85	165	104.00	436	118.20	72	137.10	107
86.95	3617	104.85	244	118.95	606	138.70	63
87.95	3204	105.85	562	127.70	113	140.85	1072
88.70	58	109.00	53	127.95	150	142.95	947
90.80	185	111.00	107	128.85	143	145.00	52
91.95	2395	113.00	79	129.70	105	146.00	66

Average of 12.824 to 12.835 min.: VN088029.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
147.95	241	173.95	63077				
149.80	78	174.95	4922				
150.00	59	175.90	60787				
154.85	151	176.95	4150				
156.85	252	178.00	55				
160.70	56	193.00	52				
160.90	52	207.15	299				
170.60	76	281.05	121				
172.05	128						
172.70	168						
173.00	447						

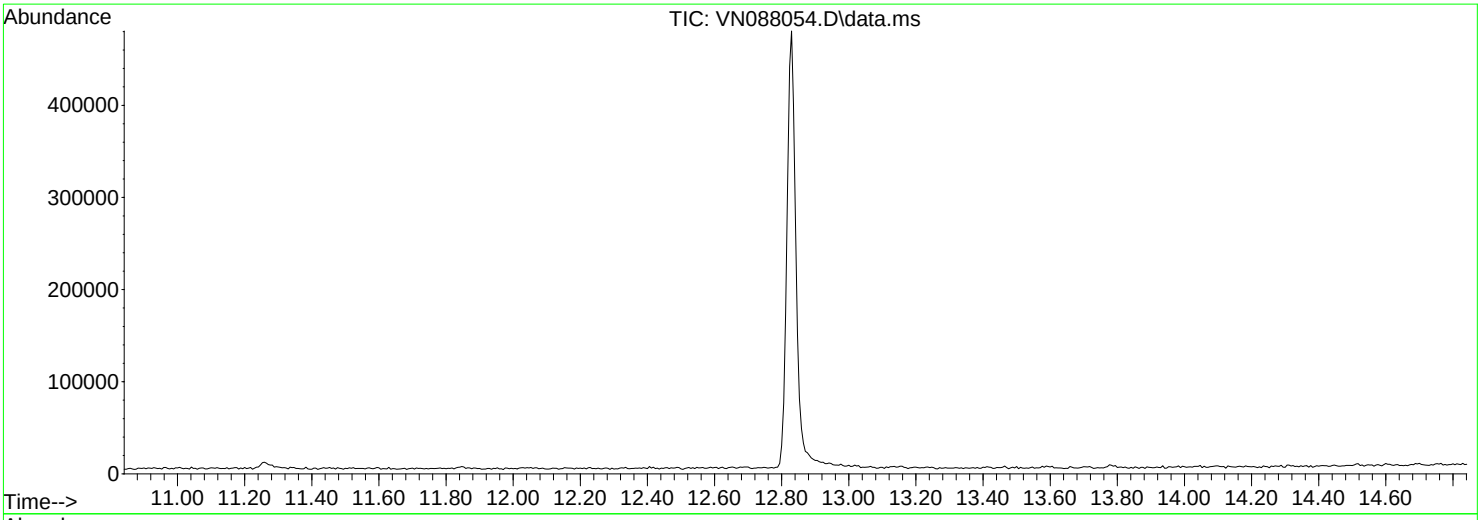
Sample Results: **VN088054.D**

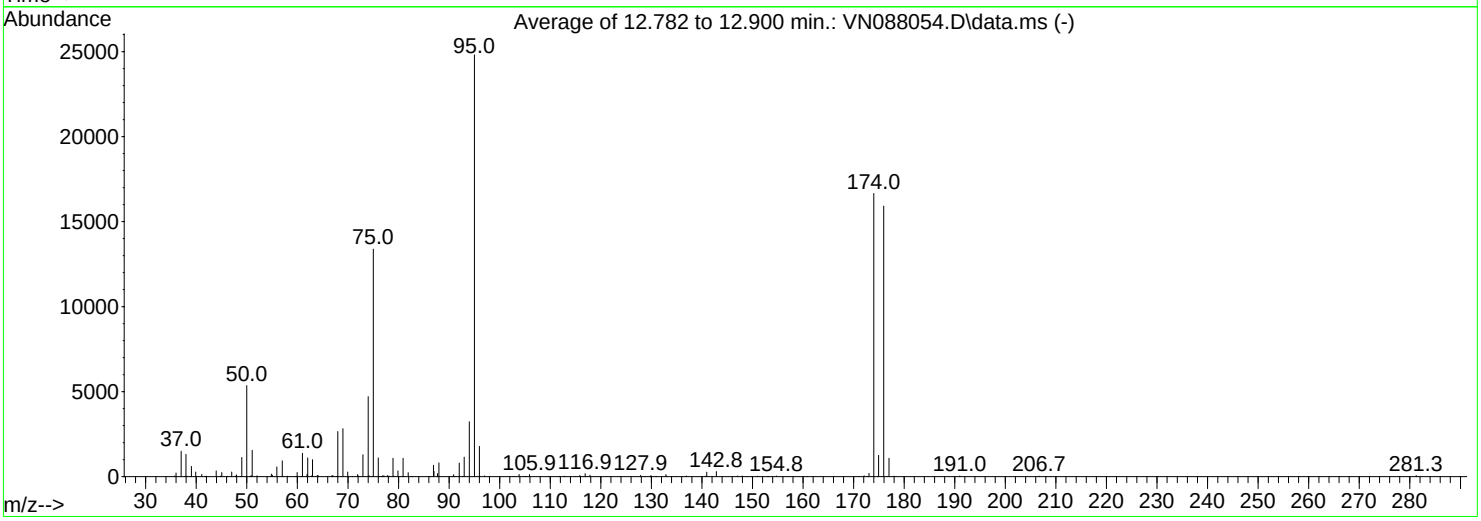
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088054.D
Acq On : 17 Oct 2025 08:56
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Thu Oct 09 02:36:32 2025





AutoFind: Averaged scan 1841 to 1861; 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	21.6	5355	PASS
75	95	30	60	53.9	13380	PASS
95	95	100	100	100.0	24810	PASS
96	95	5	9	7.2	1783	PASS
173	174	0.00	2	1.2	201	PASS
174	95	50	100	67.1	16654	PASS
175	174	5	9	7.5	1251	PASS
176	174	95	101	95.6	15915	PASS
177	176	5	9	6.8	1078	PASS

Raw Data: **VN088058.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:	VN1017WBL01	SDG No.:	Q3361
Lab Sample ID:	VN1017WBL01	Matrix:	Water
Analytical Method:	E624.1	Level : LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	6.60	U	1	6.60	25.0	ug/L	10/17/25 10:56	VN101725
107-13-1	Acrylonitrile	2.80	U	1	2.80	25.0	ug/L	10/17/25 10:56	VN101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	32.4			91 - 110	108%	SPK: 30		
2037-26-5	Toluene-d8	31.5			91 - 112	105%	SPK: 30		
460-00-4	4-Bromofluorobenzene	28.4			63 - 112	95%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	56900							
540-36-3	1,4-Difluorobenzene	316000							
3114-55-4	Chlorobenzene-d5	275000							

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\VN101725\
Data File : VN088058.D
Acq On : 17 Oct 2025 10:56
Operator : JC\MD
Sample : VN1017WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Quant Time: Oct 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

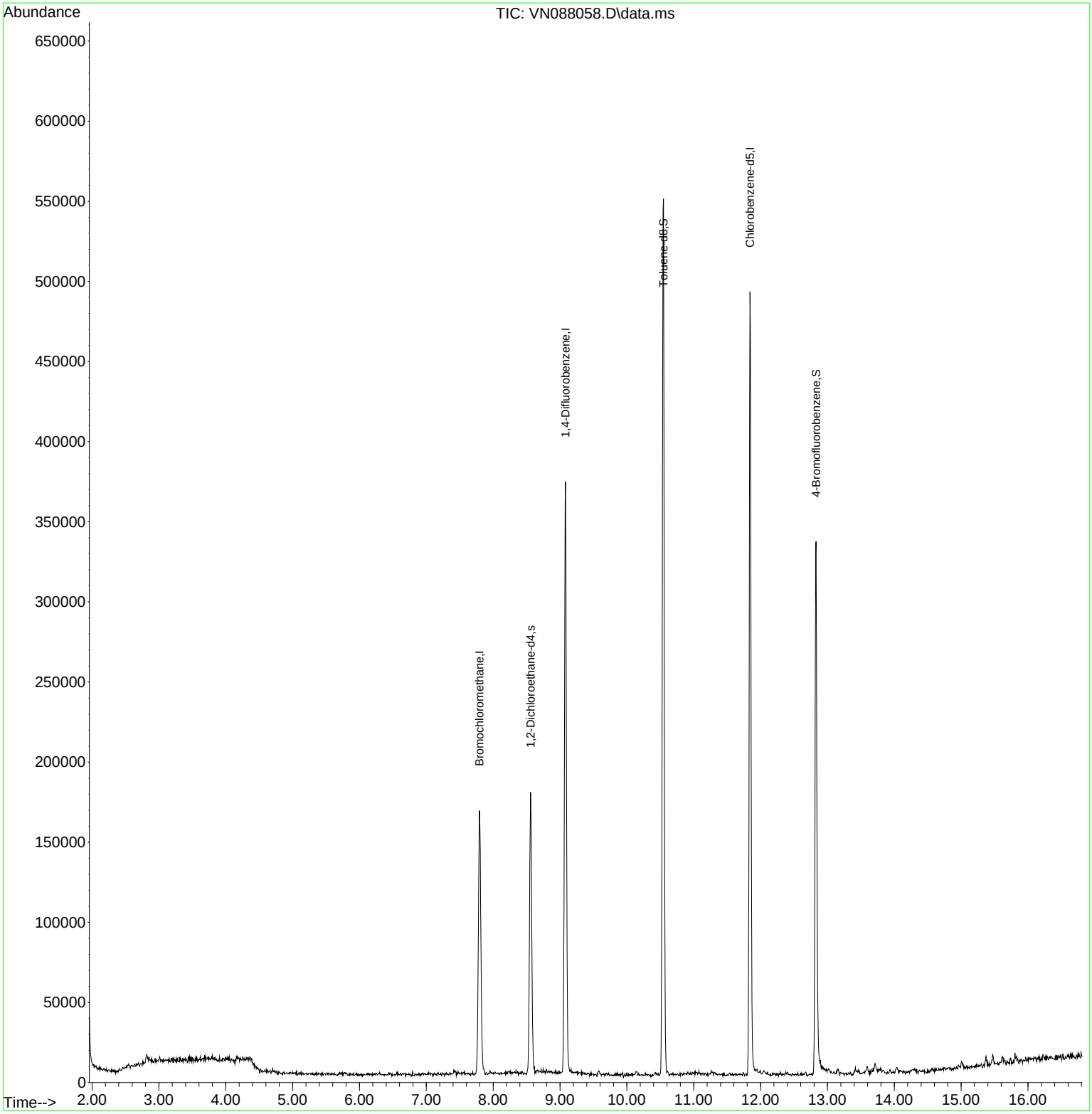
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	56868	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	316193	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	274787	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	143302	32.361	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 107.867%			
60) 4-Bromofluorobenzene	12.829	95	128667	28.403	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.667%			
63) Toluene-d8	10.547	98	385579	31.494	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 104.967%			
Target Compounds						Qvalue

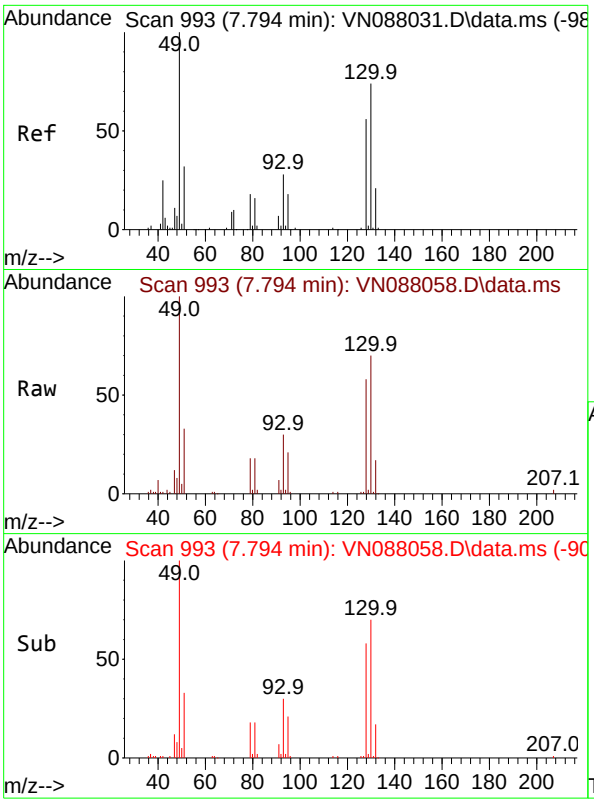
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088058.D
Acq On : 17 Oct 2025 10:56
Operator : JC\MD
Sample : VN1017WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Quant Time: Oct 18 01:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration



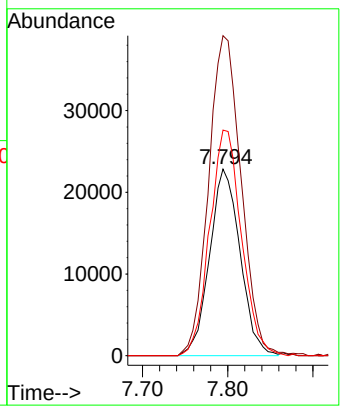


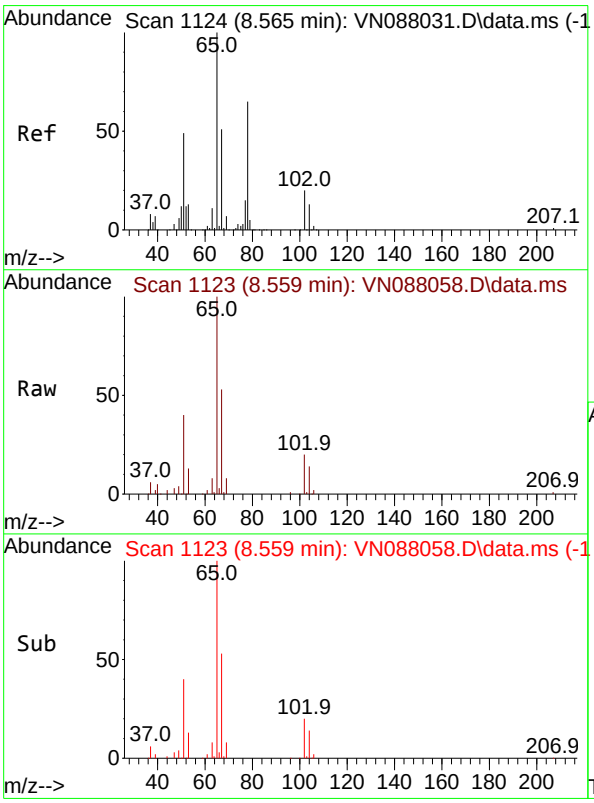
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Tgt Ion:128 Resp: 56868

Ion	Ratio	Lower	Upper
128	100		
49	182.3	0.0	439.8
130	125.9	0.0	325.8

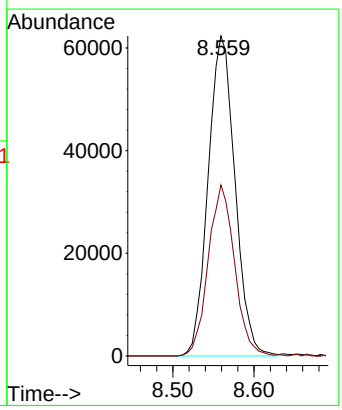


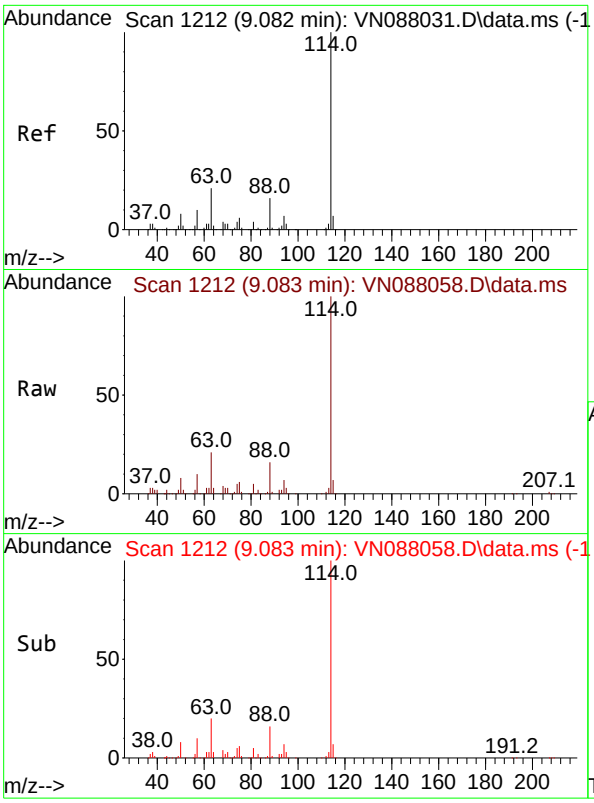


#27
1,2-Dichloroethane-d4
Concen: 32.361 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.006 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Tgt Ion: 65 Resp: 143302

Ion	Ratio	Lower	Upper
65	100		
67	52.3	41.9	62.9



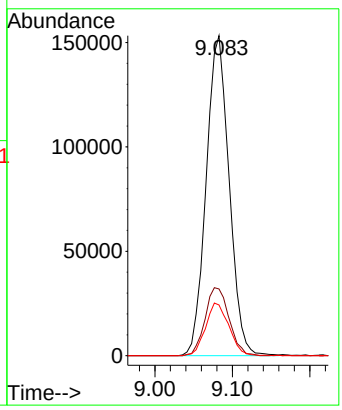


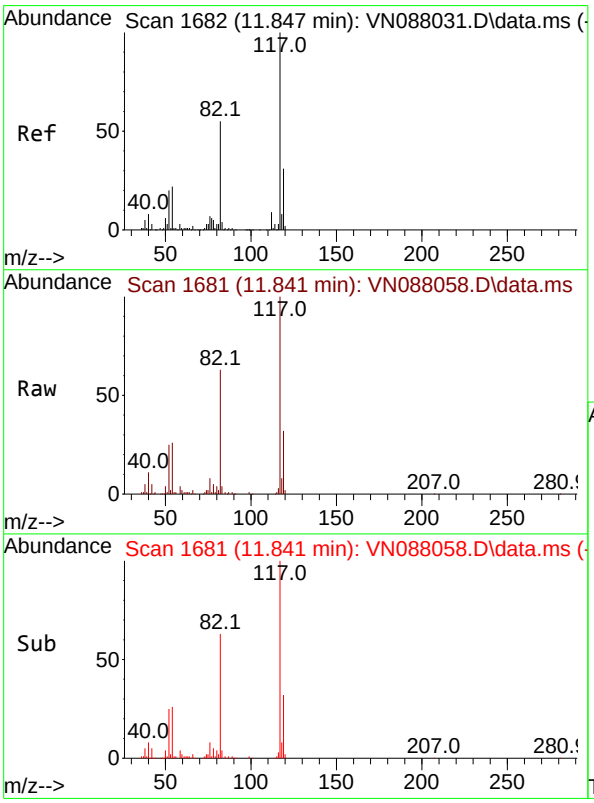
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Tgt Ion:114 Resp: 316193

Ion	Ratio	Lower	Upper
114	100		
63	22.1	16.6	25.0
88	16.7	12.6	18.8

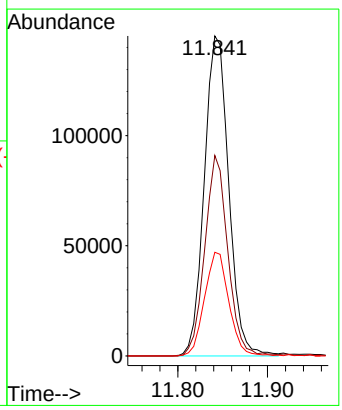


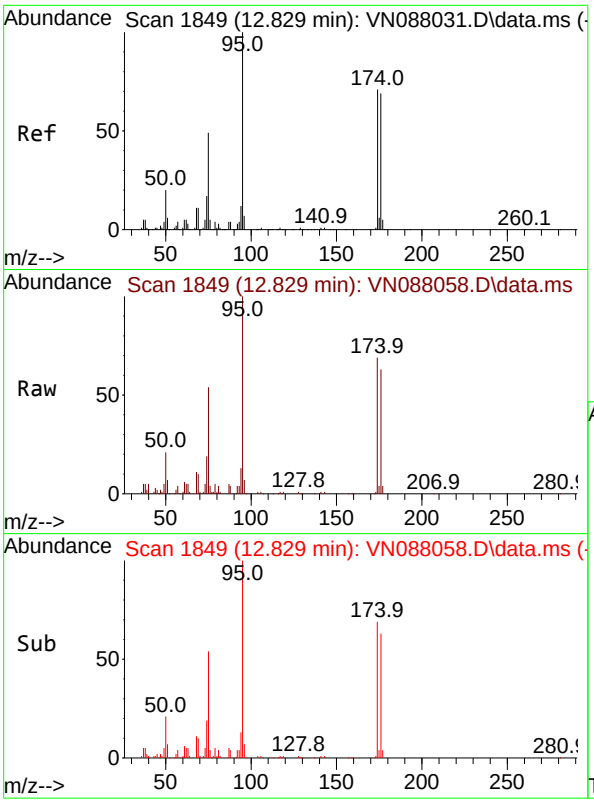


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Tgt Ion:117 Resp: 274787

Ion	Ratio	Lower	Upper
117	100		
82	58.7	45.2	67.8
119	32.3	25.9	38.9



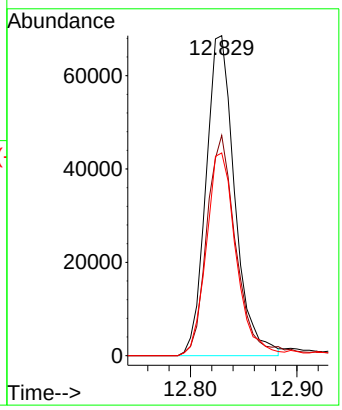


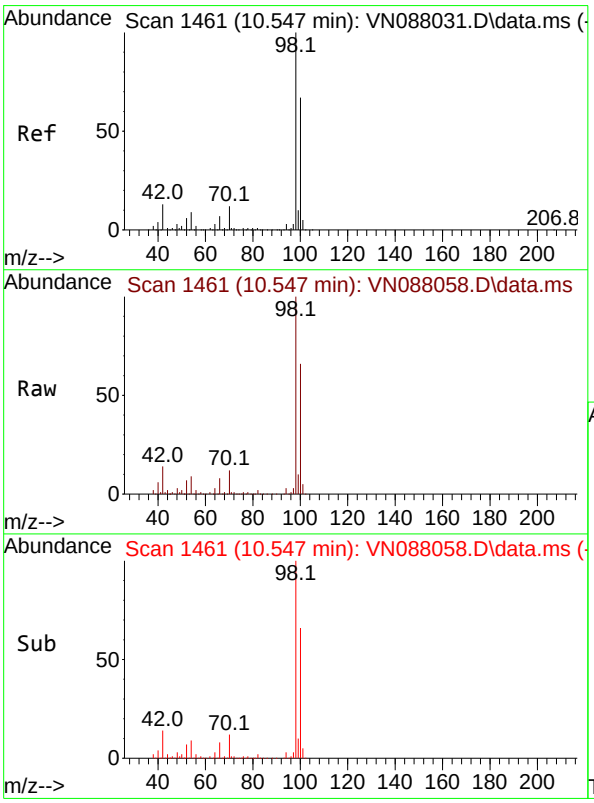
#60
4-Bromofluorobenzene
Concen: 28.403 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBL01

Tgt Ion: 95 Resp: 128667

Ion	Ratio	Lower	Upper
95	100		
174	68.7	57.4	86.0
176	65.5	57.0	85.4

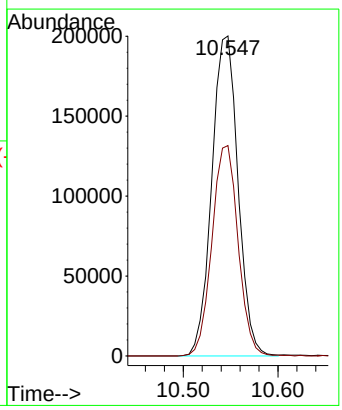




#63
Toluene-d8
Concen: 31.494 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088058.D
Acq: 17 Oct 2025 10:56

Tgt Ion: 98 Resp: 385579

Ion	Ratio	Lower	Upper
98	100		
100	65.5	53.1	79.7



Raw Data: **VN088056.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:	VN1017WBS01	SDG No.:	Q3361
Lab Sample ID:	VN1017WBS01	Matrix:	Water
Analytical Method:	E624.1 Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	84.0		1	6.60	25.0	ug/L	10/17/25 10:03	VN101725
107-13-1	Acrylonitrile	91.3		1	2.80	25.0	ug/L	10/17/25 10:03	VN101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	32.0			91 - 110	107%	SPK: 30		
2037-26-5	Toluene-d8	30.9			91 - 112	103%	SPK: 30		
460-00-4	4-Bromofluorobenzene	29.9			63 - 112	100%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	61000							
540-36-3	1,4-Difluorobenzene	346000							
3114-55-4	Chlorobenzene-d5	304000							

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\VN101725\
Data File : VN088056.D
Acq On : 17 Oct 2025 10:03
Operator : JC\MD
Sample : VN1017WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	61010	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	345518	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.841	117	303706	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	152177	32.032	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 106.767%				
60) 4-Bromofluorobenzene	12.829	95	149905	29.941	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.800%				
63) Toluene-d8	10.547	98	417441	30.850	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.833%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	72648	20.789	ug/l		95
3) Chloromethane	2.383	50	75767	19.124	ug/l		99
4) Vinyl Chloride	2.536	62	83370	20.182	ug/l		98
5) Bromomethane	2.983	94	45431	20.452	ug/l		100
6) Chloroethane	3.142	64	51413	18.867	ug/l		92
7) Trichlorofluoromethane	3.518	101	118779	21.144	ug/l		91
8) Diethyl Ether	3.959	74	48062	18.935	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	62809	20.887	ug/l		96
10) 1,1-Dichloroethene	4.342	96	65077	20.287	ug/l		100
11) Methyl Iodide	4.577	142	49007	16.576	ug/l		93
12) Methyl Acetate	5.012	43	103928	19.929	ug/l	#	86
13) Acrolein	4.171	56	67768	83.974	ug/l	#	1
14) Acrylonitrile	5.706	53	229850	91.332	ug/l		100
15) Acetone	4.424	58	70716	95.949	ug/l		89
16) Carbon Disulfide	4.700	76	195019	19.393	ug/l		97
17) Allyl chloride	5.012	41	111908	18.488	ug/l		95
18) Methylene Chloride	5.265	84	77740	19.067	ug/l		98
19) trans-1,2-Dichloroethene	5.777	96	70214	18.932	ug/l	#	84
20) Diisopropyl ether	6.659	45	267547	19.415	ug/l		98
21) 1,1-Dichloroethane	6.553	63	144256	20.108	ug/l		97
22) cis-1,2-Dichloroethene	7.471	96	89762	19.334	ug/l		98
23) tert-Butyl Alcohol	5.512	59	86498	85.698	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	260817	18.837	ug/l		97
25) Chloroform	7.947	83	144250	19.485	ug/l		92
26) Cyclohexane	8.241	56	119448	20.096	ug/l	#	97
29) 1,1-Dichloropropene	8.353	75	102232	20.642	ug/l		95
30) 2-Butanone	7.471	43	337926	92.513	ug/l		97
31) 2,2-Dichloropropane	7.471	77	126022	19.748	ug/l		100
32) 1,1,1-Trichloroethane	8.147	97	124024	20.041	ug/l		98
33) Carbon Tetrachloride	8.341	117	104455	20.151	ug/l		96
34) Benzene	8.588	78	314619	19.152	ug/l		99
35) Methacrylonitrile	7.759	41	69646	18.132	ug/l		93
36) 1,2-Dichloroethane	8.653	62	112994	19.813	ug/l		97
37) Trichloroethene	9.335	130	71200	18.294	ug/l		98
38) Methylcyclohexane	9.582	83	121344	19.840	ug/l		98
39) 1,2-Dichloropropane	9.600	63	79149	19.215	ug/l		99
40) Dibromomethane	9.688	93	56354	18.795	ug/l		93
41) Bromodichloromethane	9.871	83	118647	19.375	ug/l		97
42) Vinyl Acetate	6.589	43	1209453m	97.194	ug/l		

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088056.D
Acq On : 17 Oct 2025 10:03
Operator : JC\MD
Sample : VN1017WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	133195	18.969 ug/l	99
44) Isopropyl Acetate	8.671	43	210930	18.392 ug/l	98
45) 1,4-Dioxane	9.682	88	24886	326.268 ug/l #	93
46) Methyl methacrylate	9.665	41	94043	18.621 ug/l	95
47) n-amyl Acetate	12.570	43	114884m	21.135 ug/l	
48) t-1,3-Dichloropropene	10.812	75	128661	18.895 ug/l	99
49) cis-1,3-Dichloropropene	10.294	75	132631	18.672 ug/l	95
50) 1,1,2-Trichloroethane	10.994	97	74875	18.857 ug/l	99
51) Ethyl methacrylate	10.853	69	122268	18.195 ug/l	93
52) 1,3-Dichloropropane	11.141	76	131711	19.013 ug/l	99
53) Dibromochloromethane	11.335	129	86723	18.269 ug/l	99
54) 1,2-Dibromoethane	11.447	107	76220	17.955 ug/l	99
55) 2-Chloroethyl vinyl ether	10.141	63	292020	80.508 ug/l	99
56) Bromoform	12.559	173	55031	17.148 ug/l	97
58) 4-Methyl-2-Pentanone	10.424	43	635098	93.491 ug/l	98
59) 2-Hexanone	11.176	43	414833	92.491 ug/l	99
61) Tetrachloroethene	11.082	164	55966	18.197 ug/l	87
62) Toluene	10.606	91	329738	19.140 ug/l	99
64) Chlorobenzene	11.871	112	209138	19.006 ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.935	131	71463	18.846 ug/l	98
66) Ethyl Benzene	11.941	91	365743	19.525 ug/l	98
67) m/p-Xylenes	12.047	106	279849	38.752 ug/l	97
68) o-Xylene	12.376	106	134497	18.709 ug/l	94
69) Styrene	12.388	104	225528	18.965 ug/l	98
70) Isopropylbenzene	12.670	105	346221	19.650 ug/l	97
71) 1,1,2,2-Tetrachloroethane	12.918	83	110122	18.435 ug/l	98
72) 1,2,3-Trichloropropane	12.970	75	107460m	19.370 ug/l	
73) Bromobenzene	12.959	156	77370	17.966 ug/l	92
74) n-propylbenzene	13.012	91	421634	19.823 ug/l	98
75) 2-Chlorotoluene	13.100	91	252126	19.386 ug/l	99
76) 1,3,5-Trimethylbenzene	13.153	105	282658	18.886 ug/l	98
77) t-1,4-Dichloro-2-butene	12.718	75	35729	16.161 ug/l	93
78) 4-Chlorotoluene	13.200	91	260161	19.690 ug/l	96
79) tert-butylbenzene	13.412	119	259100	19.970 ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	288836	19.278 ug/l	98
81) sec-Butylbenzene	13.594	105	372393	20.414 ug/l	98
82) p-Isopropyltoluene	13.706	119	308796	19.827 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	153956	19.001 ug/l	99
84) 1,4-Dichlorobenzene	13.788	146	152875	18.295 ug/l	97
85) n-Butylbenzene	14.035	91	295097	20.366 ug/l	97
86) Hexachloroethane	14.312	117	61862	19.828 ug/l	88
87) 1,2-Dichlorobenzene	14.082	146	148440	18.626 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	25015	18.234 ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	81108	17.086 ug/l	95
90) Hexachlorobutadiene	15.470	225	30801	18.643 ug/l	99
91) Naphthalene	15.611	128	309666	17.818 ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	81108	17.086 ug/l	95

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

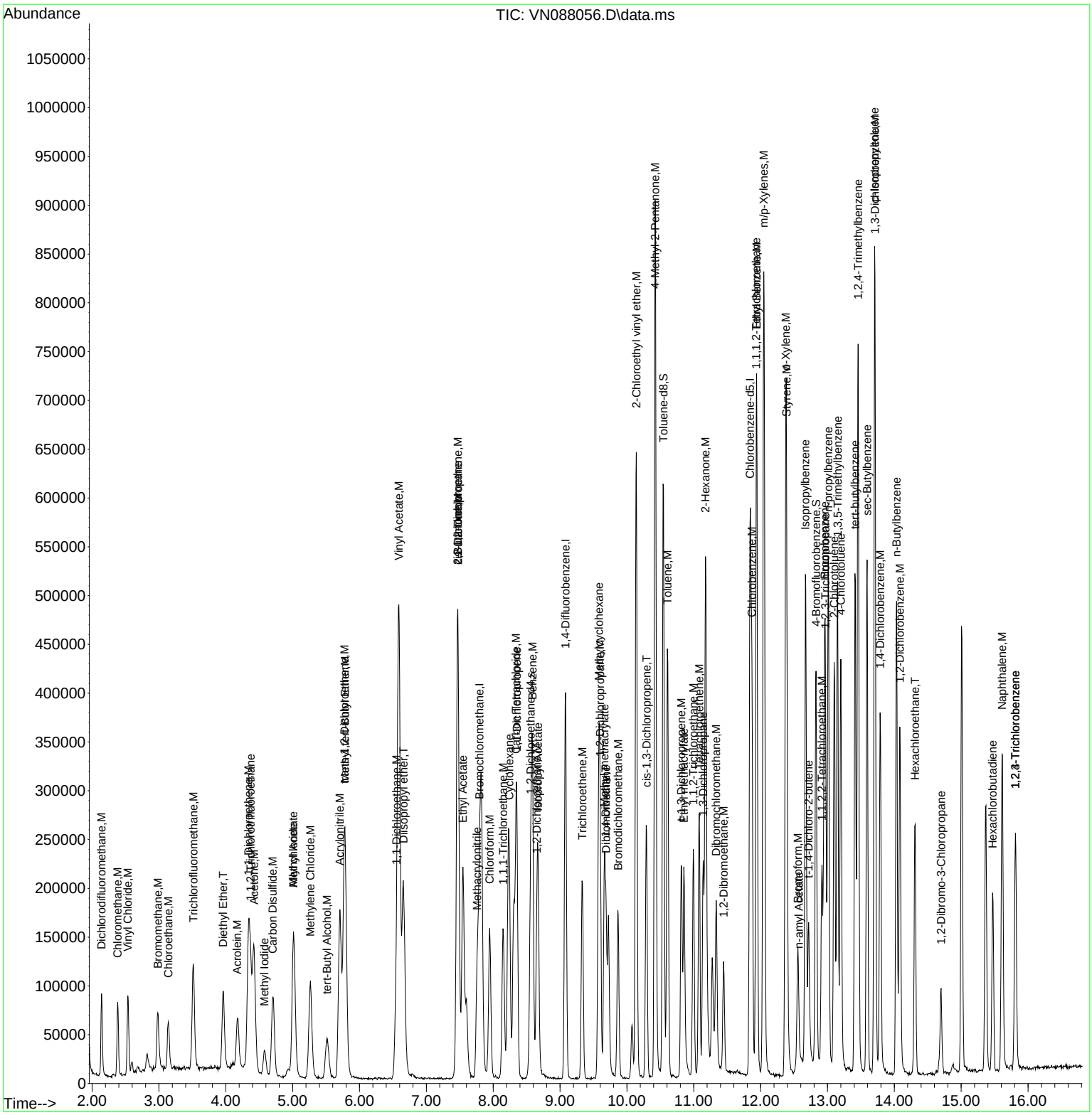
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088056.D
Acq On : 17 Oct 2025 10:03
Operator : JC\MD
Sample : VN1017WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Oct 18 01:25:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



Raw Data: **VN088057.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:	VN1017WBSD01	SDG No.:	Q3361
Lab Sample ID:	VN1017WBSD01	Matrix:	Water
Analytical Method:	E624.1 Level : LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
107-02-8	Acrolein	91.8		1	6.60	25.0	ug/L	10/17/25 10:36	VN101725
107-13-1	Acrylonitrile	90.6		1	2.80	25.0	ug/L	10/17/25 10:36	VN101725
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	31.5			91 - 110	105%	SPK: 30		
2037-26-5	Toluene-d8	30.6			91 - 112	102%	SPK: 30		
460-00-4	4-Bromofluorobenzene	29.9			63 - 112	100%	SPK: 30		
INTERNAL STANDARDS		**Area Count**							
74-97-5	Bromochloromethane	65400							
540-36-3	1,4-Difluorobenzene	360000							
3114-55-4	Chlorobenzene-d5	320000							

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\VN101725\
Data File : VN088057.D
Acq On : 17 Oct 2025 10:36
Operator : JC\MD
Sample : VN1017WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 01:26:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	65413	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	359810	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.841	117	319803	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	160373	31.485	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 104.967%			
60) 4-Bromofluorobenzene	12.829	95	157631	29.899	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.667%			
63) Toluene-d8	10.547	98	435417	30.559	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.867%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	78833	21.041	ug/l	93
3) Chloromethane	2.383	50	80807	19.024	ug/l	99
4) Vinyl Chloride	2.536	62	87603	19.779	ug/l	100
5) Bromomethane	2.983	94	48410	20.326	ug/l	98
6) Chloroethane	3.142	64	55974	19.158	ug/l	99
7) Trichlorofluoromethane	3.518	101	129328	21.473	ug/l	99
8) Diethyl Ether	3.959	74	53446	19.639	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.371	101	68415	21.220	ug/l	97
10) 1,1-Dichloroethene	4.342	96	68376	19.881	ug/l	99
11) Methyl Iodide	4.583	142	54630	17.234	ug/l	95
12) Methyl Acetate	5.018	43	112344	20.093	ug/l	94
13) Acrolein	4.177	56	79427	91.796	ug/l #	8
14) Acrylonitrile	5.706	53	244395	90.575	ug/l	98
15) Acetone	4.424	58	73551	93.078	ug/l	88
16) Carbon Disulfide	4.706	76	209149	19.399	ug/l	98
17) Allyl chloride	5.012	41	121814	18.770	ug/l	96
18) Methylene Chloride	5.265	84	83118	19.014	ug/l	93
19) trans-1,2-Dichloroethene	5.771	96	76791	19.311	ug/l	88
20) Diisopropyl ether	6.659	45	285092	19.295	ug/l	96
21) 1,1-Dichloroethane	6.553	63	156888	20.397	ug/l	96
22) cis-1,2-Dichloroethene	7.471	96	93825	18.849	ug/l	94
23) tert-Butyl Alcohol	5.518	59	89595	82.791	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	284030	19.132	ug/l	100
25) Chloroform	7.947	83	155760	19.624	ug/l	97
26) Cyclohexane	8.241	56	129096	20.257	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	107684	20.879	ug/l	95
30) 2-Butanone	7.465	43	358092	94.140	ug/l	98
31) 2,2-Dichloropropane	7.471	77	135758	20.429	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	130885	20.309	ug/l	97
33) Carbon Tetrachloride	8.341	117	109382	20.263	ug/l	95
34) Benzene	8.583	78	329461	19.259	ug/l	96
35) Methacrylonitrile	7.759	41	74397	18.599	ug/l	92
36) 1,2-Dichloroethane	8.653	62	121966	20.537	ug/l	98
37) Trichloroethene	9.330	130	75152	18.542	ug/l	93
38) Methylcyclohexane	9.577	83	131631	20.667	ug/l	96
39) 1,2-Dichloropropane	9.600	63	85728	19.986	ug/l	100
40) Dibromomethane	9.688	93	62068	19.878	ug/l	93
41) Bromodichloromethane	9.865	83	125840	19.733	ug/l	99
42) Vinyl Acetate	6.589	43	1333455	102.902	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088057.D
Acq On : 17 Oct 2025 10:36
Operator : JC\MD
Sample : VN1017WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 01:26:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
43) Ethyl Acetate	7.547	43	147140	20.123 ug/l	96
44) Isopropyl Acetate	8.671	43	231811	19.410 ug/l	98
45) 1,4-Dioxane	9.677	88	26935	339.104 ug/l #	94
46) Methyl methacrylate	9.659	41	102432	19.476 ug/l	94
47) n-amyl Acetate	12.594	43	131961m	23.312 ug/l	
48) t-1,3-Dichloropropene	10.818	75	135939	19.170 ug/l	98
49) cis-1,3-Dichloropropene	10.288	75	146225	19.769 ug/l	92
50) 1,1,2-Trichloroethane	10.994	97	78475	18.979 ug/l	94
51) Ethyl methacrylate	10.859	69	135539	19.369 ug/l	96
52) 1,3-Dichloropropane	11.141	76	144001	19.961 ug/l	100
53) Dibromochloromethane	11.335	129	92926	18.798 ug/l	99
54) 1,2-Dibromoethane	11.447	107	80897	18.300 ug/l	96
55) 2-Chloroethyl vinyl ether	10.141	63	345576	91.489 ug/l	98
56) Bromoform	12.565	173	58921	17.630 ug/l	98
58) 4-Methyl-2-Pentanone	10.424	43	684259	95.657 ug/l	98
59) 2-Hexanone	11.176	43	453352	95.992 ug/l	99
61) Tetrachloroethene	11.082	164	61856	19.100 ug/l	88
62) Toluene	10.612	91	354587	19.547 ug/l	100
64) Chlorobenzene	11.871	112	224911	19.411 ug/l	98
65) 1,1,1,2-Tetrachloroethane	11.935	131	76567	19.175 ug/l	95
66) Ethyl Benzene	11.941	91	390582	19.801 ug/l	99
67) m/p-Xylenes	12.047	106	298777	39.291 ug/l	97
68) o-Xylene	12.376	106	146619	19.369 ug/l	96
69) Styrene	12.388	104	238932	19.081 ug/l	99
70) Isopropylbenzene	12.671	105	373836	20.149 ug/l	99
71) 1,1,2,2-Tetrachloroethane	12.918	83	121382	19.297 ug/l	99
72) 1,2,3-Trichloropropane	12.970	75	119252m	20.414 ug/l	
73) Bromobenzene	12.959	156	84476	18.629 ug/l	93
74) n-propylbenzene	13.012	91	458411	20.467 ug/l	98
75) 2-Chlorotoluene	13.100	91	270316	19.739 ug/l	98
76) 1,3,5-Trimethylbenzene	13.153	105	314783	19.974 ug/l	97
77) t-1,4-Dichloro-2-butene	12.723	75	42042	18.059 ug/l	91
78) 4-Chlorotoluene	13.200	91	277549	19.949 ug/l	98
79) tert-butylbenzene	13.418	119	276568	20.243 ug/l	98
80) 1,2,4-Trimethylbenzene	13.459	105	311676	19.755 ug/l	97
81) sec-Butylbenzene	13.594	105	398977	20.771 ug/l	97
82) p-Isopropyltoluene	13.706	119	337559	20.583 ug/l	99
83) 1,3-Dichlorobenzene	13.712	146	163469	19.160 ug/l	99
84) 1,4-Dichlorobenzene	13.794	146	171817	19.527 ug/l	98
85) n-Butylbenzene	14.035	91	318876	20.899 ug/l	97
86) Hexachloroethane	14.306	117	66012	20.093 ug/l	88
87) 1,2-Dichlorobenzene	14.082	146	157781	18.801 ug/l	99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	26957	18.660 ug/l	95
89) 1,2,4-Trichlorobenzene	15.811	180	90270	18.059 ug/l	96
90) Hexachlorobutadiene	15.470	225	33868	19.467 ug/l	97
91) Naphthalene	15.611	128	336619	18.394 ug/l	99
92) 1,2,3-Trichlorobenzene	15.811	180	90270	18.059 ug/l	96

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

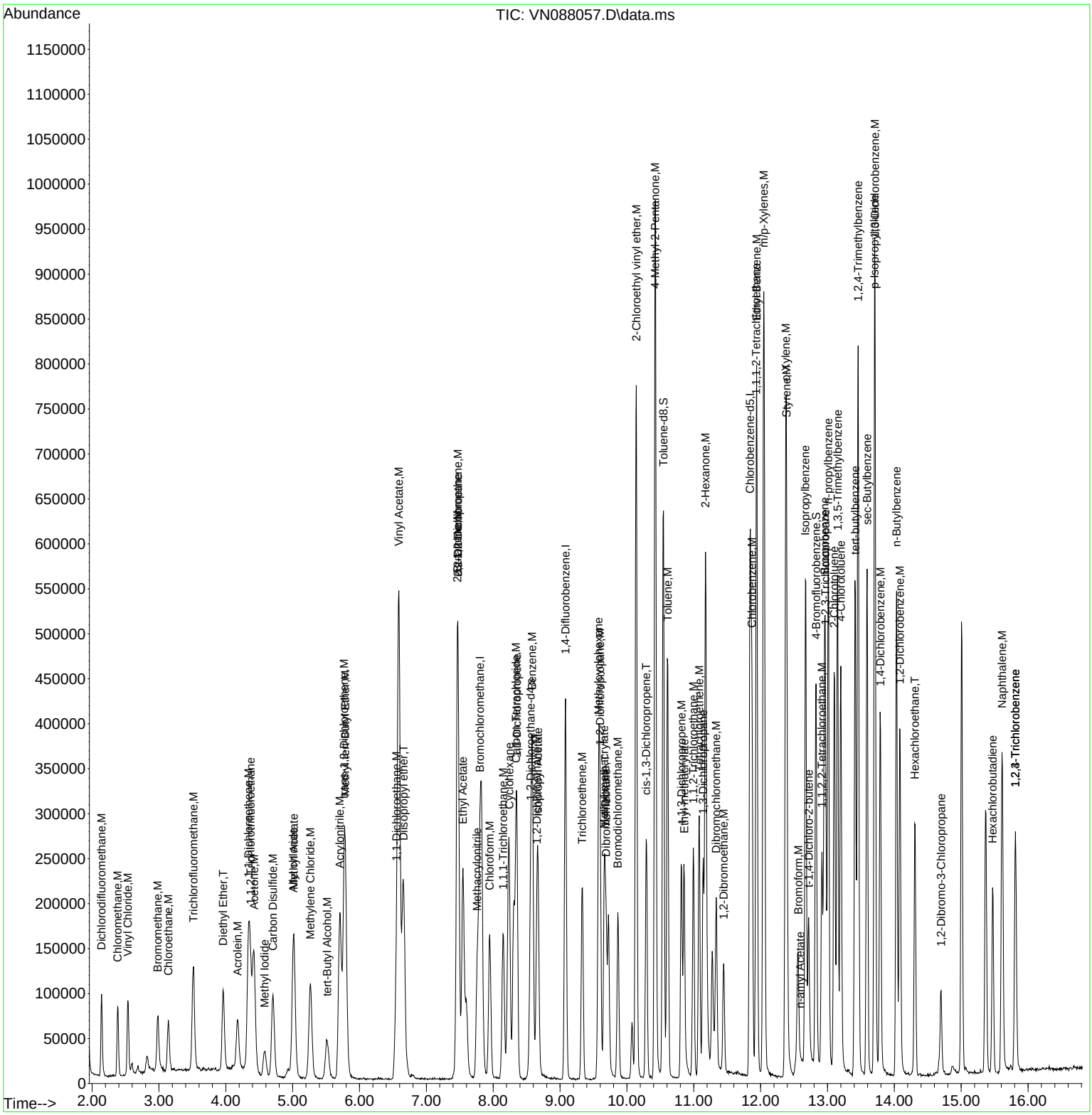
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN101725\
Data File : VN088057.D
Acq On : 17 Oct 2025 10:36
Operator : JC\MD
Sample : VN1017WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Oct 18 01:26:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N100825W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Thu Oct 09 02:36:32 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1017WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 10/20/2025
Supervised By :Mahesh Dadoda 10/20/2025



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

Manual Integration Report

Sequence:	vn100825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN088030.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	2,2-Dichloropropane	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Acetone	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Allyl chloride	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methyl Acetate	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methyl Iodide	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	Methylene Chloride	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	n-amyl Acetate	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICC005	VN088030.D	t-1,4-Dichloro-2-butene	JOHN	10/9/2025 12:47:30 PM	MMdadoda	10/10/2025 4:40:11 AM	Peak Integrated by Software
VSTDICCC020	VN088031.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:35 PM	MMdadoda	10/10/2025 4:40:17 AM	Peak Integrated by Software
VSTDICCC020	VN088031.D	n-amyl Acetate	JOHN	10/9/2025 12:47:35 PM	MMdadoda	10/10/2025 4:40:17 AM	Peak Integrated by Software
VSTDICC050	VN088032.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:40 PM	MMdadoda	10/10/2025 4:40:22 AM	Peak Integrated by Software
VSTDICC050	VN088032.D	n-amyl Acetate	JOHN	10/9/2025 12:47:40 PM	MMdadoda	10/10/2025 4:40:22 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn100825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088033.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:45 PM	MMdadoda	10/10/2025 4:40:26 AM	Peak Integrated by Software
VSTDICC100	VN088033.D	Methyl Acetate	JOHN	10/9/2025 12:47:45 PM	MMdadoda	10/10/2025 4:40:26 AM	Peak Integrated by Software
VSTDICC150	VN088034.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:50 PM	MMdadoda	10/10/2025 4:40:32 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	Acetone	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VSTDICV020	VN088036.D	n-amyl Acetate	JOHN	10/9/2025 12:47:54 PM	MMdadoda	10/10/2025 4:40:37 AM	Peak Integrated by Software
VSTDCCC020	VN088046.D	1,2,3-Trichloropropane	JOHN	10/9/2025 12:48:29 PM	MMdadoda	10/10/2025 4:41:14 AM	Peak Integrated by Software
VSTDCCC020	VN088046.D	n-amyl Acetate	JOHN	10/9/2025 12:48:29 PM	MMdadoda	10/10/2025 4:41:14 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN101725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN088055.D	1,1,2-Trichlorotrifluoroethane	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VSTDCCC020	VN088055.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VSTDCCC020	VN088055.D	Ethyl Acetate	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VSTDCCC020	VN088055.D	Methyl methacrylate	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VSTDCCC020	VN088055.D	n-amyl Acetate	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VSTDCCC020	VN088055.D	t-1,4-Dichloro-2-butene	JOHN	10/20/2025 8:10:50 AM	MMDadoda	10/20/2025 3:55:28 PM	Peak Integrated by Software
VN1017WBS01	VN088056.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:10:54 AM	MMDadoda	10/20/2025 3:55:31 PM	Peak Integrated by Software
VN1017WBS01	VN088056.D	n-amyl Acetate	JOHN	10/20/2025 8:10:54 AM	MMDadoda	10/20/2025 3:55:31 PM	Peak Integrated by Software
VN1017WBS01	VN088056.D	Vinyl Acetate	JOHN	10/20/2025 8:10:54 AM	MMDadoda	10/20/2025 3:55:31 PM	Peak Integrated by Software
VN1017WBSD01	VN088057.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:10:59 AM	MMDadoda	10/20/2025 3:55:34 PM	Peak Integrated by Software
VN1017WBSD01	VN088057.D	n-amyl Acetate	JOHN	10/20/2025 8:10:59 AM	MMDadoda	10/20/2025 3:55:34 PM	Peak Integrated by Software
Q3361-01	VN088062.D	1,2-Dichloroethane	JOHN	10/20/2025 8:11:07 AM	MMDadoda	10/20/2025 3:55:40 PM	Peak Integrated by Software
Q3361-01	VN088062.D	Ethyl Acetate	JOHN	10/20/2025 8:11:07 AM	MMDadoda	10/20/2025 3:55:40 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN101725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3361-01	VN088062.D	Isopropyl Acetate	JOHN	10/20/2025 8:11:07 AM	MMDadoda	10/20/2025 3:55:40 PM	Peak Integrated by Software
Q3361-01	VN088062.D	Methyl Acetate	JOHN	10/20/2025 8:11:07 AM	MMDadoda	10/20/2025 3:55:40 PM	Peak Integrated by Software
Q3361-01	VN088062.D	Methylene Chloride	JOHN	10/20/2025 8:11:07 AM	MMDadoda	10/20/2025 3:55:40 PM	Peak Integrated by Software
VSTDCCC020	VN088070.D	1,2,3-Trichloropropane	JOHN	10/20/2025 8:11:23 AM	MMDadoda	10/20/2025 3:56:31 PM	Peak Integrated by Software
VSTDCCC020	VN088070.D	n-amyl Acetate	JOHN	10/20/2025 8:11:23 AM	MMDadoda	10/20/2025 3:56:31 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088029.D	08 Oct 2025 09:00	JC\MD	Ok
2	VSTDICC005	VN088030.D	08 Oct 2025 09:34	JC\MD	Ok,M
3	VSTDICCC020	VN088031.D	08 Oct 2025 10:08	JC\MD	Ok,M
4	VSTDICC050	VN088032.D	08 Oct 2025 10:30	JC\MD	Ok,M
5	VSTDICC100	VN088033.D	08 Oct 2025 10:51	JC\MD	Ok,M
6	VSTDICC150	VN088034.D	08 Oct 2025 11:12	JC\MD	Ok,M
7	IBLK	VN088035.D	08 Oct 2025 11:33	JC\MD	Ok
8	VSTDICV020	VN088036.D	08 Oct 2025 12:52	JC\MD	Ok,M
9	VN1008WBS01	VN088037.D	08 Oct 2025 13:25	JC\MD	Ok,M
10	VN1008WBSD01	VN088038.D	08 Oct 2025 13:59	JC\MD	Ok,M
11	VN1008WBL01	VN088039.D	08 Oct 2025 14:20	JC\MD	Ok
12	Q3015-02	VN088040.D	08 Oct 2025 14:59	JC\MD	Ok,NR
13	IBLK	VN088041.D	08 Oct 2025 15:20	JC\MD	Ok
14	Q2893-07 2.5PPB	VN088042.D	08 Oct 2025 15:41	JC\MD	Ok,M
15	Q2893-08 5.0PPB	VN088043.D	08 Oct 2025 16:02	JC\MD	Ok,M
16	Q3281-01	VN088044.D	08 Oct 2025 16:23	JC\MD	Ok,M
17	Q3281-02	VN088045.D	08 Oct 2025 16:44	JC\MD	Ok,M
18	VSTDCCC020	VN088046.D	08 Oct 2025 17:05	JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN101725

Review By	John Carlone	Review On	10/20/2025 8:16:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:56:38 PM		
SubDirectory	VN101725	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135826
Initial Calibration Stds	
CCC	VP135827,VP135828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088054.D	17 Oct 2025 08:56	JC\MD	Ok
2	VSTDCCC020	VN088055.D	17 Oct 2025 09:29	JC\MD	Ok,M
3	VN1017WBS01	VN088056.D	17 Oct 2025 10:03	JC\MD	Ok,M
4	VN1017WBSD01	VN088057.D	17 Oct 2025 10:36	JC\MD	Ok,M
5	VN1017WBL01	VN088058.D	17 Oct 2025 10:56	JC\MD	Ok
6	Q3361-02	VN088059.D	17 Oct 2025 11:32	JC\MD	Ok
7	Q3362-02	VN088060.D	17 Oct 2025 11:53	JC\MD	Ok
8	Q3362-01	VN088061.D	17 Oct 2025 12:14	JC\MD	ReRun
9	Q3361-01	VN088062.D	17 Oct 2025 12:34	JC\MD	Ok,M
10	IBLK	VN088063.D	17 Oct 2025 12:55	JC\MD	Ok
11	IBLK	VN088064.D	17 Oct 2025 13:16	JC\MD	Ok
12	Q3362-01	VN088065.D	17 Oct 2025 13:36	JC\MD	Ok,M
13	IBLK	VN088066.D	17 Oct 2025 14:58	JC\MD	Ok
14	Q3385-01	VN088067.D	17 Oct 2025 15:18	JC\MD	ReRun
15	Q3385-02MS	VN088068.D	17 Oct 2025 15:39	JC\MD	Ok,M
16	Q3385-03MSD	VN088069.D	17 Oct 2025 16:00	JC\MD	Ok,M
17	VSTDCCC020	VN088070.D	17 Oct 2025 16:20	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088029.D	08 Oct 2025 09:00		JC\MD	Ok
2	VSTDICC005	VSTDICC005	VN088030.D	08 Oct 2025 09:34		JC\MD	Ok,M
3	VSTDICCC020	VSTDICCC020	VN088031.D	08 Oct 2025 10:08		JC\MD	Ok,M
4	VSTDICC050	VSTDICC050	VN088032.D	08 Oct 2025 10:30		JC\MD	Ok,M
5	VSTDICC100	VSTDICC100	VN088033.D	08 Oct 2025 10:51		JC\MD	Ok,M
6	VSTDICC150	VSTDICC150	VN088034.D	08 Oct 2025 11:12		JC\MD	Ok,M
7	IBLK	IBLK	VN088035.D	08 Oct 2025 11:33		JC\MD	Ok
8	VSTDICV020	ICVVN100825	VN088036.D	08 Oct 2025 12:52		JC\MD	Ok,M
9	VN1008WBS01	VN1008WBS01	VN088037.D	08 Oct 2025 13:25		JC\MD	Ok,M
10	VN1008WBSD01	VN1008WBSD01	VN088038.D	08 Oct 2025 13:59		JC\MD	Ok,M
11	VN1008WBL01	VN1008WBL01	VN088039.D	08 Oct 2025 14:20		JC\MD	Ok
12	Q3015-02	WP0925-PT-VOA-WP	VN088040.D	08 Oct 2025 14:59		JC\MD	Ok,NR
13	IBLK	IBLK	VN088041.D	08 Oct 2025 15:20		JC\MD	Ok
14	Q2893-07 2.5PPB	LOD-MDL-WATER-01-(	VN088042.D	08 Oct 2025 15:41		JC\MD	Ok,M
15	Q2893-08 5.0PPB	LOQ-WATER-02-QT3-2	VN088043.D	08 Oct 2025 16:02		JC\MD	Ok,M
16	Q3281-01	001-WILLETS-PT-BLVI	VN088044.D	08 Oct 2025 16:23	vial A pH<2	JC\MD	Ok,M
17	Q3281-02	002-35TH-AVE(OCT)	VN088045.D	08 Oct 2025 16:44	vial A pH<2	JC\MD	Ok,M
18	VSTDCCC020	VSTDCCC020EC	VN088046.D	08 Oct 2025 17:05		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN100825

Review By	John Carlone	Review On	10/9/2025 1:01:25 PM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:41:25 AM		
SubDirectory	VN100825	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135778
Initial Calibration Stds	VP135780,VP135781,VP135782,VP135783,VP135784
CCC	VP135779,VP135796,VP135797
Internal Standard/PEM	
ICV/I.BLK	VP135785
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN101725

Review By	John Carlone	Review On	10/20/2025 8:16:05 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/20/2025 3:56:38 PM		
SubDirectory	VN101725	HP Acquire Method		HP Processing Method	624N100825W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135826
Initial Calibration Stds	
CCC	VP135827,VP135828
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088054.D	17 Oct 2025 08:56		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN088055.D	17 Oct 2025 09:29	pH#Lot#V12668	JC\MD	Ok,M
3	VN1017WBS01	VN1017WBS01	VN088056.D	17 Oct 2025 10:03		JC\MD	Ok,M
4	VN1017WBSD01	VN1017WBSD01	VN088057.D	17 Oct 2025 10:36		JC\MD	Ok,M
5	VN1017WBL01	VN1017WBL01	VN088058.D	17 Oct 2025 10:56		JC\MD	Ok
6	Q3361-02	Trip blank 251015076-0	VN088059.D	17 Oct 2025 11:32	vial A pH#6.0 TB	JC\MD	Ok
7	Q3362-02	Trip blank 251015076-0	VN088060.D	17 Oct 2025 11:53	vial A pH#6.0 TB	JC\MD	Ok
8	Q3362-01	VOA 251015085-01	VN088061.D	17 Oct 2025 12:14	vial A pH#6.0 Surrogate Fail	JC\MD	ReRun
9	Q3361-01	VOA 251015111-01	VN088062.D	17 Oct 2025 12:34	vial A pH#6.0	JC\MD	Ok,M
10	IBLK	IBLK	VN088063.D	17 Oct 2025 12:55		JC\MD	Ok
11	IBLK	IBLK	VN088064.D	17 Oct 2025 13:16		JC\MD	Ok
12	Q3362-01	VOA 251015085-01	VN088065.D	17 Oct 2025 13:36	vial B pH#6.0	JC\MD	Ok,M
13	IBLK	IBLK	VN088066.D	17 Oct 2025 14:58		JC\MD	Ok
14	Q3385-01	EFF-WW	VN088067.D	17 Oct 2025 15:18	vial A pH<2 Surrogate Fail	JC\MD	ReRun
15	Q3385-02MS	EFF-WWMS	VN088068.D	17 Oct 2025 15:39	vial A pH<2	JC\MD	Ok,M
16	Q3385-03MSD	EFF-WWMSD	VN088069.D	17 Oct 2025 16:00	vial A pH<2	JC\MD	Ok,M
17	VSTDCCC020	VSTDCCC020EC	VN088070.D	17 Oct 2025 16:20		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

Q3361

FOR SAMPLE RECEIVING USE ONLY

DATE/TIME/TEMP. REC'D AT LAB:

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:

- [x] 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: Robert Szot

Mailing Address: 410 Hillside Ave. Phone: 908-688-8900 EXT 129

City/State/Zip: Hilside, NJ. 07205 Email: rszot@gslabs.com

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATION:

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		VOA 251015111-01	10/15/25	9:20	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
X		Trip blank 251015076-04					EPA 8260 TCL LIST + Acrolien & Acrylonitrile	2	V	40mL	A

⇨ *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: _____

[x] SUBCONTRACTED WORK

TURNAROUND TIME: [x] Standard [ ] Rush (IF RUSH REQUESTED) Rush Due by:

REPORT FORMAT: [x] Standard Report [ ] Other/Specify:

[ ] Standard Report + E2 PWS ID#:

SEND TO: Chem Tech

DATE/TIME:

METHOD OF SHIPMENT: 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 HEDVAT

SAMPLE CUSTODY EXCHANGES MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE POSSESSION
PLEASE PRINT YOUR NAME LEGIBLY, USE FULL LEGAL SIGNATURE, DATE AND TIME

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative (PRINT):	Signature:	Date/Time:
1. Received/Relinquished by (PRINT): Megan Hawanich	Signature: Megan Hawanich	Date/Time: 10/15/25 14:55
2. Received/Relinquished by (PRINT):	Signature: Alexandra Pena	Date/Time: 10/16/25 9:40

MAILTHE DAYS 10/16/25 940AM

2.3 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

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q3361 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 10/16/2025 9:52:00 AM
Project Name : Waste Water 2025
Receive DateTime : 10/16/2025 9:40:00 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
Q3361-01	VOA 251015111-01	Water	10/15/2025	09:20					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q3361-02	Trip blank 251015076-04	Water	10/15/2025	09:20					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By : CP
Date / Time : 10/16/25 1050

Received By : Sam
Date / Time : 10/16/25 10:50

Storage Area : **VOA Refridgerator Room**