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

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

LAB CHRONICLE

OrderID:	Q2790	**OrderDate:**	8/7/2025 8:49:00 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
Q2790-01	**250806078-01 VOA**	**Water**			**08/06/25**			**08/07/25**
			VOCMS Group1	624.1			08/07/25	
Q2790-02	**250806062-03 Trip blank**	**Water**			**08/06/25**			**08/07/25**
			VOCMS Group1	624.1			08/07/25	

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

Hit Summary Sheet
SW-846

SDG No.: Q2790

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

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

Surrogate Summary

SDG No.: Q2790

Client: Garden State Laboratories, Inc.

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2790-01	250806078-01 VOA	1,2-Dichloroethane-d4	30	34.8	116	*	91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	28.5	95		63	112
Q2790-02	250806062-03 Trip blank	1,2-Dichloroethane-d4	30	30.8	103		91	110
		Toluene-d8	30	30.3	101		91	112
		4-Bromofluorobenzene	30	28.8	96		63	112
VN0807WBL01	VN0807WBL01	1,2-Dichloroethane-d4	30	30.8	103		91	110
		Toluene-d8	30	30.7	102		91	112
		4-Bromofluorobenzene	30	28.3	94		63	112
VN0807WBS01	VN0807WBS01	1,2-Dichloroethane-d4	30	31.7	106		91	110
		Toluene-d8	30	30.4	101		91	112
		4-Bromofluorobenzene	30	29.9	100		63	112
VN0807WBSD0	VN0807WBSD01	1,2-Dichloroethane-d4	30	30.6	102		91	110
		Toluene-d8	30	29.8	99		91	112
		4-Bromofluorobenzene	30	29.3	98		63	112

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2790 **Analytical Method:** SW624.1

Client: Garden State Laboratories, Inc. **Datafile :** VN087484.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0807WBS01	Acrolein	100	130	ug/L	130			60	140	
	Acrylonitrile	100	110	ug/L	110			60	140	

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	**Q2790**	**Analytical Method:**	**SW624.1**
Client:	**Garden State Laboratories, Inc.**	**Datafile :**	VN087485.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0807WBSD01	Acrolein	100	120	ug/L	120	8		60	140	20
	Acrylonitrile	100	110	ug/L	110	0		60	140	20

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VN0807WBL01

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VN087486.D Lab Sample ID: VN0807WBL01

Date Analyzed: 08/07/2025 Time Analyzed: 11:30

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
VN0807WBS01	VN0807WBS01	VN087484.D	08/07/2025
VN0807WBSD01	VN0807WBSD01	VN087485.D	08/07/2025
250806062-03 Trip blank	Q2790-02	VN087489.D	08/07/2025
250806078-01 VOA	Q2790-01	VN087490.D	08/07/2025

COMMENTS:

Raw Data: **VN087447.D**

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GARD04

Lab Code: ACE | SDG NO.: Q2790

Lab File ID: VN087447.D | BFB Injection Date: 08/05/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:27

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	24.6
75	30.0 - 60.0% of mass 95	58.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	66.8
175	5.0 - 9.0% of mass 174	4.8 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (97.7) 1
177	5.0 - 9.0% of mass 176	4.8 (7.3) 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	VN087452.D	08/05/2025	13:37
VSTDICCC020	VSTDICCC020	VN087453.D	08/05/2025	13:58
VSTDICC050	VSTDICC050	VN087454.D	08/05/2025	14:19
VSTDICC100	VSTDICC100	VN087455.D	08/05/2025	14:40
VSTDICC150	VSTDICC150	VN087456.D	08/05/2025	15:01

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: GARD04
Lab Code: ACE
SDG NO.: Q2790
Lab File ID: VN087482.D
BFB Injection Date: 08/07/2025
Instrument ID: MSVOA_N
BFB Injection Time: 09:27
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	24.2
75	30.0 - 60.0% of mass 95	59.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.6 (0.9) 1
174	50.0 - 100.0% of mass 95	68.2
175	5.0 - 9.0% of mass 174	5.3 (7.8) 1
176	95.0 - 101.0% of mass 174	65.5 (96.1) 1
177	5.0 - 9.0% of mass 176	4.6 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087483.D	08/07/2025	10:00
VN0807WBS01	VN0807WBS01	VN087484.D	08/07/2025	10:35
VN0807WBSD01	VN0807WBSD01	VN087485.D	08/07/2025	11:09
VN0807WBL01	VN0807WBL01	VN087486.D	08/07/2025	11:30
250806062-03 Trip blank	Q2790-02	VN087489.D	08/07/2025	13:10
250806078-01 VOA	Q2790-01	VN087490.D	08/07/2025	13:31

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VN087483.D Date Analyzed: 08/07/2025

Instrument ID: MSVOA_N Time Analyzed: 10:00

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	63498	7.80	347356	9.08	314308	11.85
UPPER LIMIT	126996	8.3	694712	9.583	628616	12.347
LOWER LIMIT	31749	7.3	173678	8.583	157154	11.347
EPA SAMPLE NO.						
250806078-01 VOA	54560	7.79	316057	9.08	290299	11.85
250806062-03 Trip blank	57403	7.79	315579	9.08	282105	11.85
VN0807WBL01	59451	7.79	325046	9.08	285832	11.85
VN0807WBS01	58607	7.80	336486	9.08	303451	11.85
VN0807WBSD01	60691	7.80	333291	9.08	299942	11.85

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

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GARD04

Lab Code: ACE SDG NO.: Q2790

Lab File ID: VN087483.D Date Analyzed: 08/07/2025

Instrument ID: MSVOA_N Time Analyzed: 10:00

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.						
250806078-01 VOA	0	0.00				
250806062-03 Trip blank	0	0.00				
VN0807WBL01	0	0.00				
VN0807WBS01	0	0.00				
VN0807WBSD01	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: **VN087490.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:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806078-01 VOA	SDG No.:	Q2790
Lab Sample ID:	Q2790-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087490.D	1	08/07/25 13:31	VN080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	34.8	*	91 - 110	116%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.5		63 - 112	95%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	54600	7.794			
540-36-3	1,4-Difluorobenzene	316000	9.082			
3114-55-4	Chlorobenzene-d5	290000	11.847			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087490.D
Acq On : 07 Aug 2025 13:31
Operator : JC\MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Quant Time: Aug 08 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

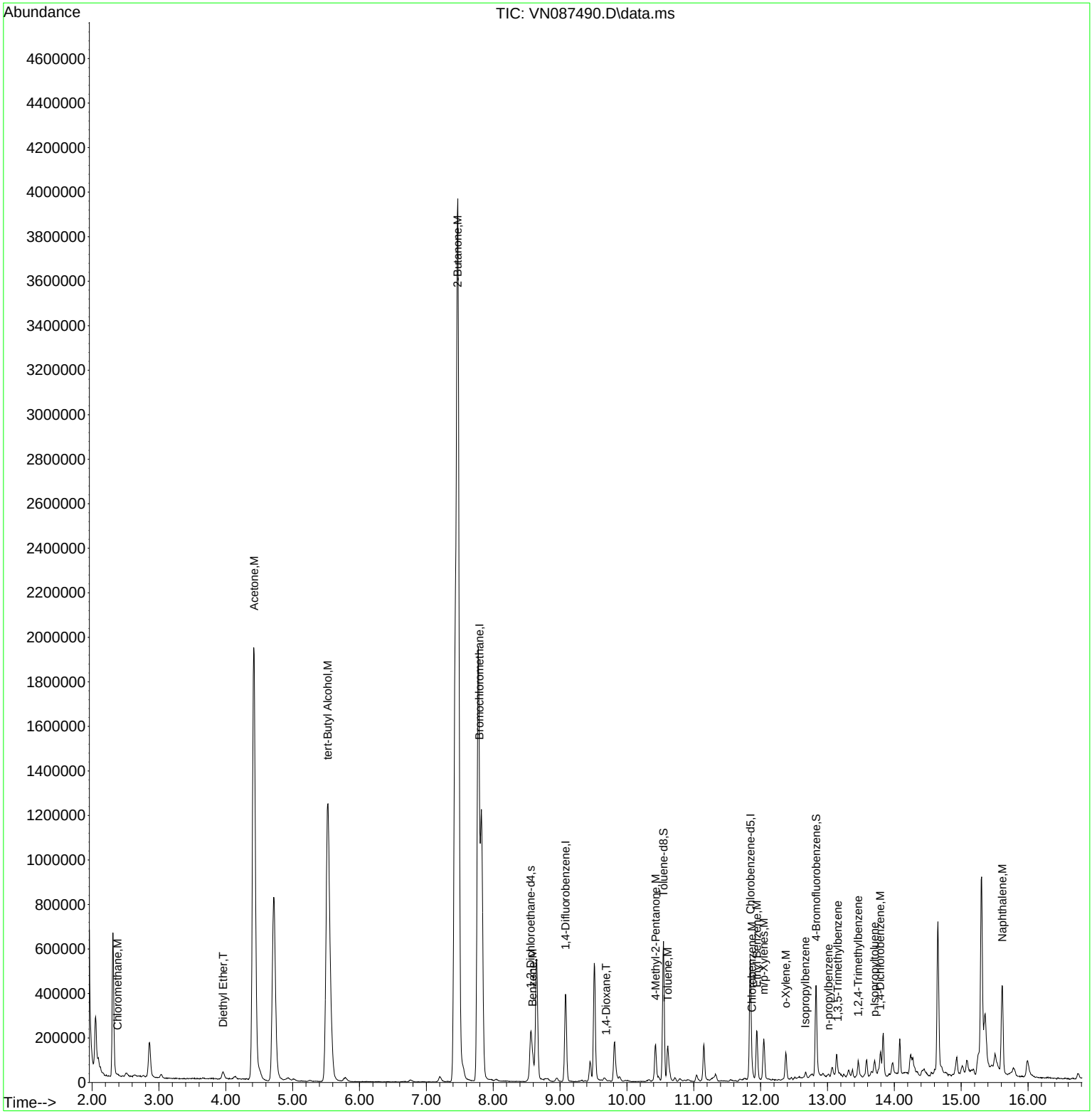
Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	54560	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	316057	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	290299	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	175250	34.825	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 116.067%#				
60) 4-Bromofluorobenzene	12.829	95	142539	28.531	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.100%				
63) Toluene-d8	10.547	98	394535	29.537	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.467%				
Target Compounds							Qvalue
3) Chloromethane	2.383	50	7409	2.027	ug/l	#	84
8) Diethyl Ether	3.959	74	19618	8.441	ug/l		93
15) Acetone	4.424	58	1097746	1595.548	ug/l		97
23) tert-Butyl Alcohol	5.524	59	2498873	2442.223	ug/l	#	100
30) 2-Butanone	7.471	43	6387497	1681.023	ug/l		99
34) Benzene	8.588	78	61173	3.759	ug/l	#	91
45) 1,4-Dioxane	9.688	88	3952	49.820	ug/l	#	80
58) 4-Methyl-2-Pentanone	10.429	43	126204	16.900	ug/l		95
62) Toluene	10.612	91	108992	6.083	ug/l		97
64) Chlorobenzene	11.870	112	14952	1.358	ug/l		100
66) Ethyl Benzene	11.947	91	158840	7.954	ug/l		98
67) m/p-Xylenes	12.047	106	50207	6.849	ug/l		100
68) o-Xylene	12.376	106	29183	4.047	ug/l		96
70) Isopropylbenzene	12.670	105	15753	0.860	ug/l		95
74) n-propylbenzene	13.017	91	12020	0.525	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	8878	0.566	ug/l		95
80) 1,2,4-Trimethylbenzene	13.459	105	40682	2.595	ug/l		99
82) p-Isopropyltoluene	13.706	119	28809	1.802	ug/l		91
84) 1,4-Dichlorobenzene	13.788	146	27512	3.355	ug/l		91
91) Naphthalene	15.617	128	366881	20.854	ug/l		100

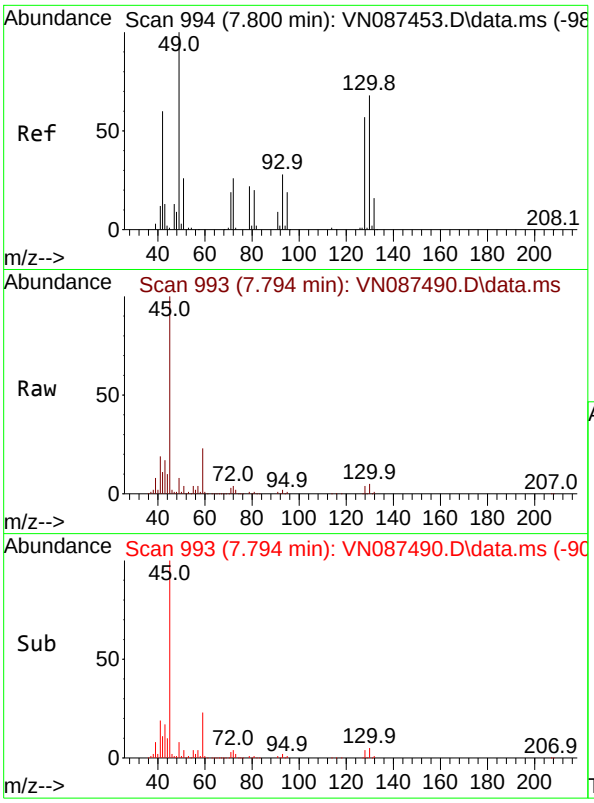
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087490.D
Acq On : 07 Aug 2025 13:31
Operator : JC\MD
Sample : Q2790-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Quant Time: Aug 08 01:20:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



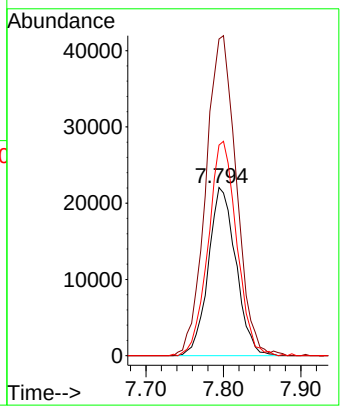


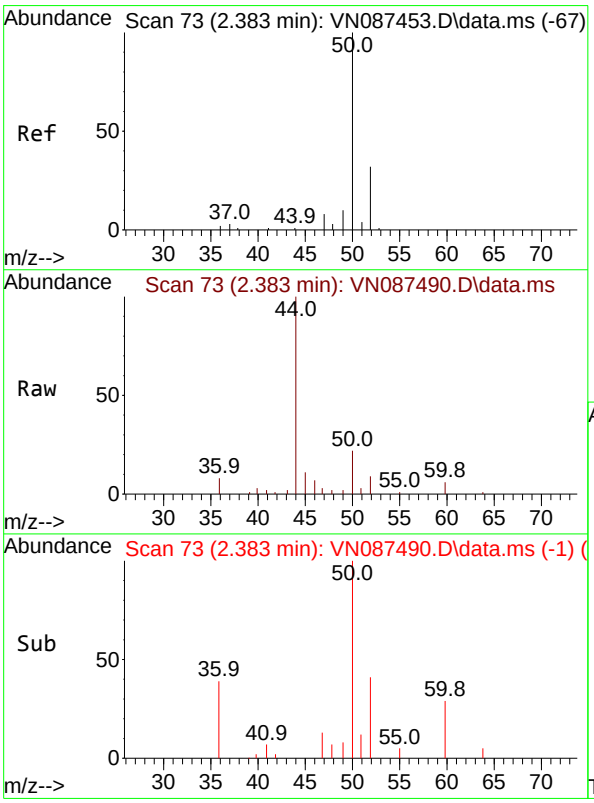
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:128 Resp: 54560

Ion	Ratio	Lower	Upper
128	100		
49	209.4	0.0	494.8
130	131.7	0.0	321.5

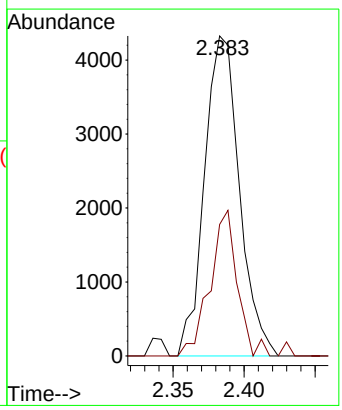


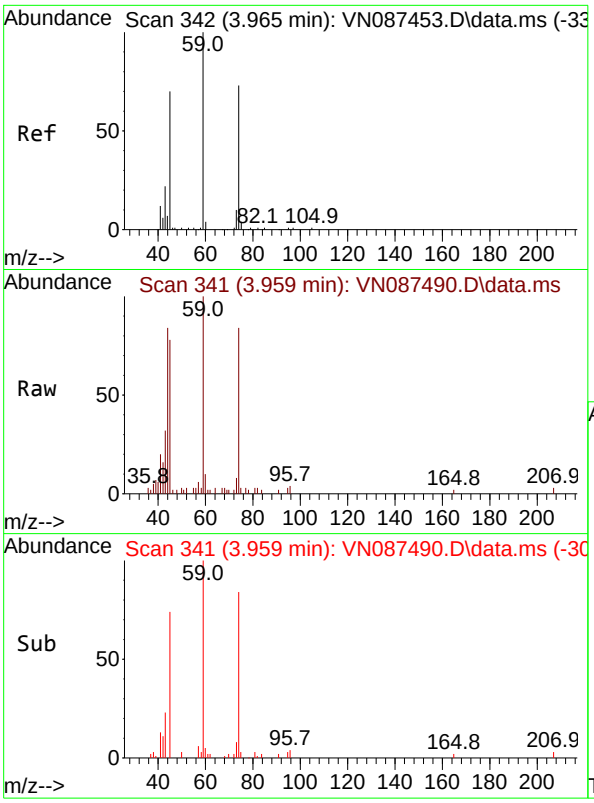


#3
Chloromethane
Concen: 2.027 ug/l
RT: 2.383 min Scan# 73
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 50 Resp: 7409

Ion	Ratio	Lower	Upper
50	100		
52	41.1	25.8	38.6#



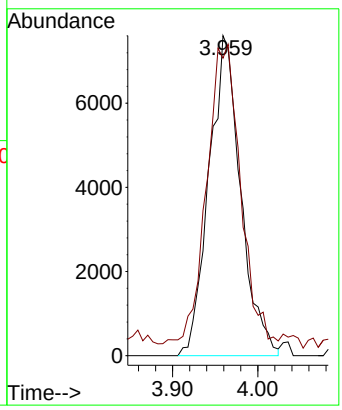


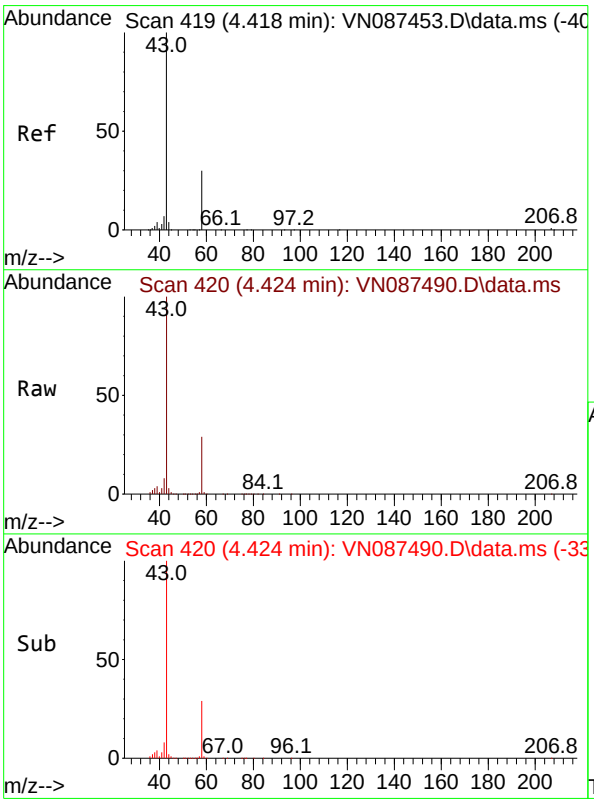
#8
Diethyl Ether
Concen: 8.441 ug/l
RT: 3.959 min Scan# 34
Delta R.T. -0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 74 Resp: 19618

Ion	Ratio	Lower	Upper
74	100		
45	93.9	20.1	180.9

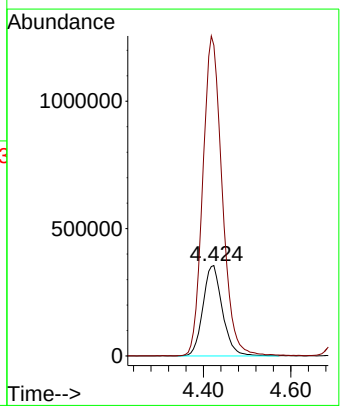


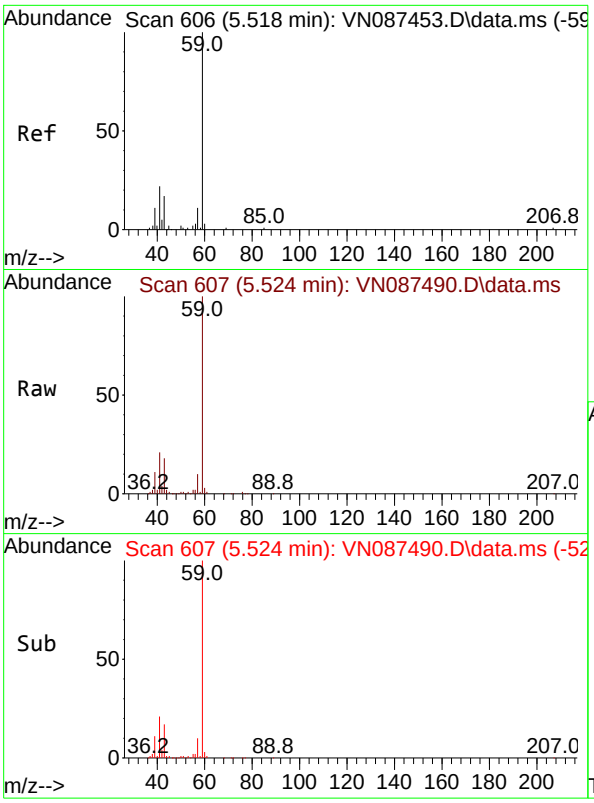


#15
Acetone
Concen: 1595.548 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 58 Resp: 1097746

Ion	Ratio	Lower	Upper
58	100		
43	343.4	268.9	403.3



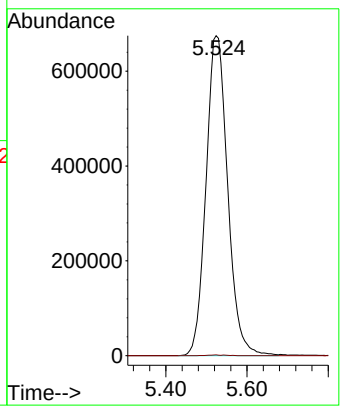


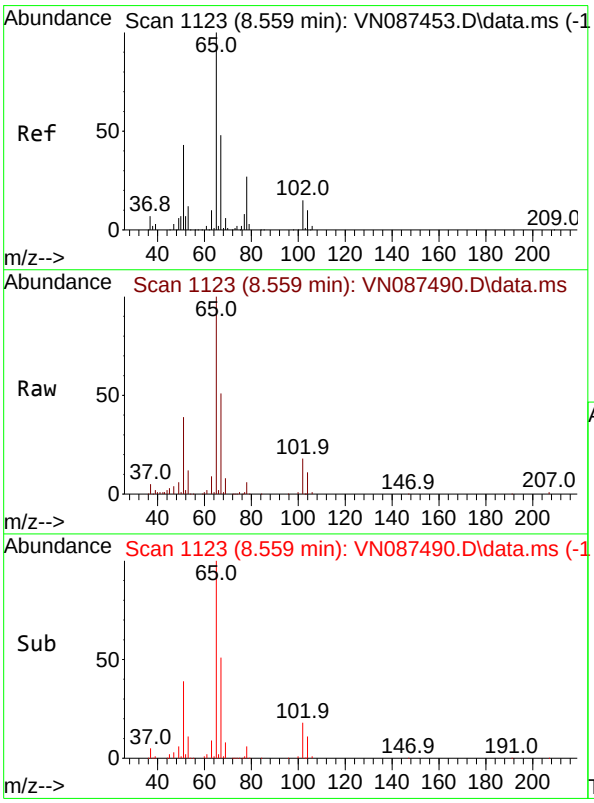
#23
tert-Butyl Alcohol
Concen: 2442.223 ug/l
RT: 5.524 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 59 Resp: 2498873

Ion	Ratio	Lower	Upper
59	100		
52	0.1	0.0	0.0#

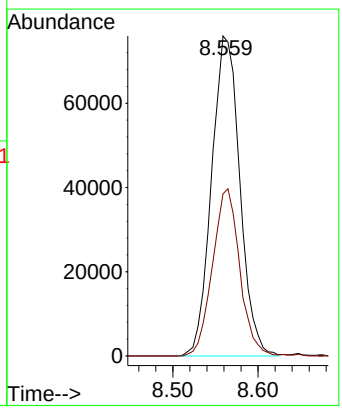


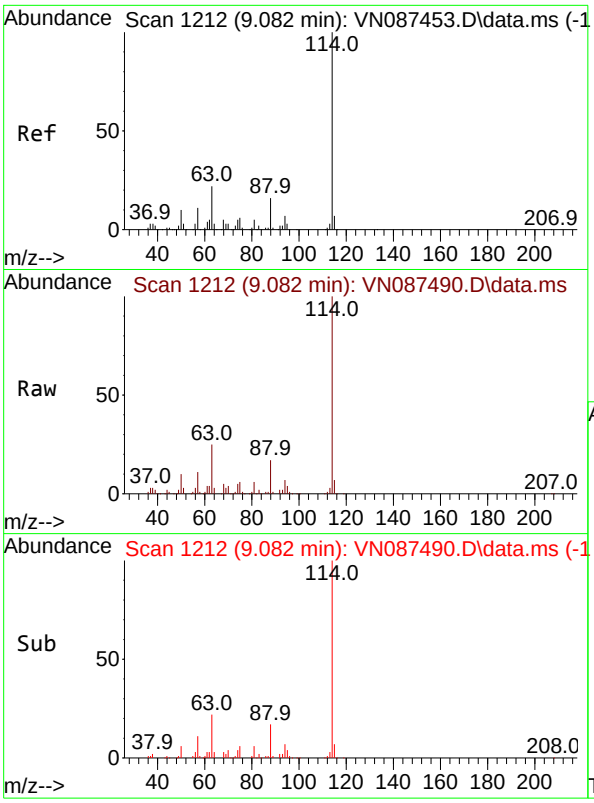


#27
1,2-Dichloroethane-d4
Concen: 34.825 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 65 Resp: 175250

Ion	Ratio	Lower	Upper
65	100		
67	50.3	40.8	61.2



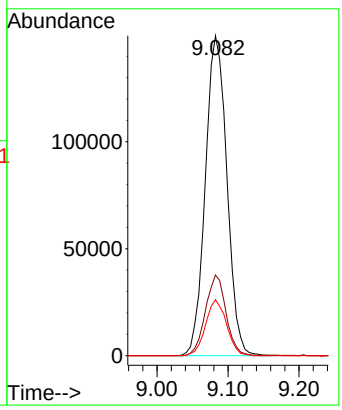


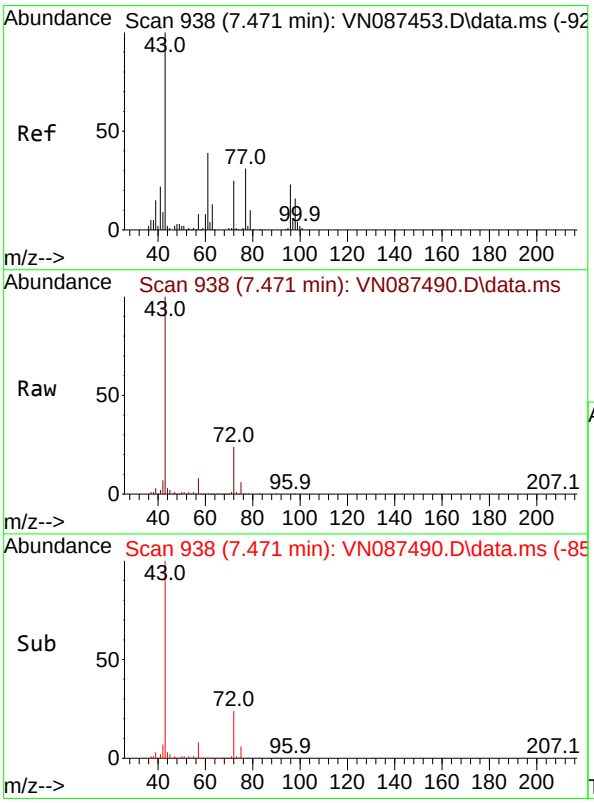
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:114 Resp: 316057

Ion	Ratio	Lower	Upper
114	100		
63	24.0	18.9	28.3
88	17.0	13.1	19.7

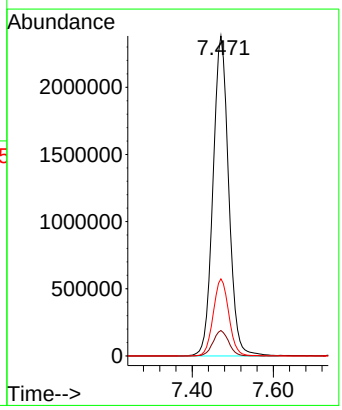


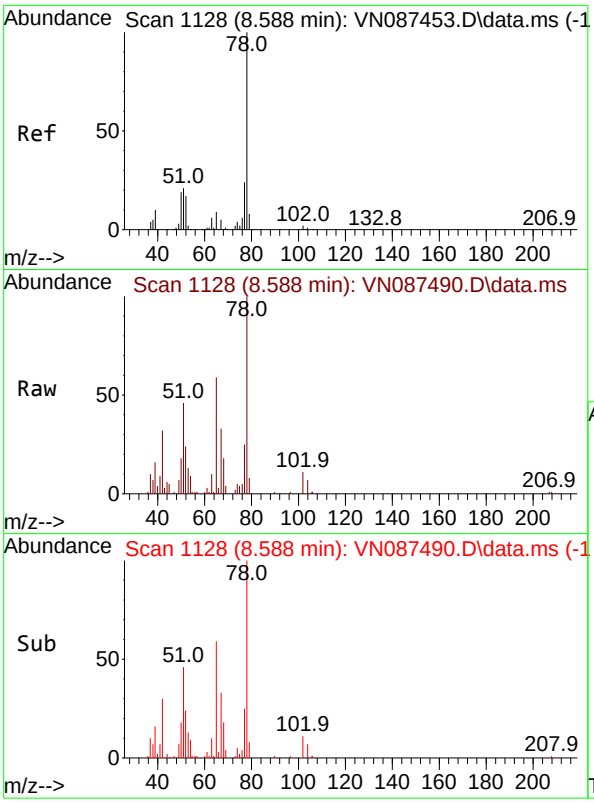


#30
2-Butanone
Concen: 1681.023 ug/l
RT: 7.471 min Scan# 938
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 43 Resp: 6387497

Ion	Ratio	Lower	Upper
43	100		
57	8.0	6.6	9.8
72	23.9	19.7	29.5



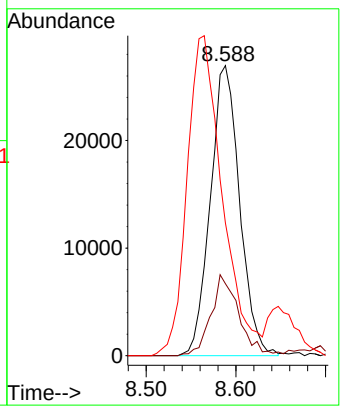


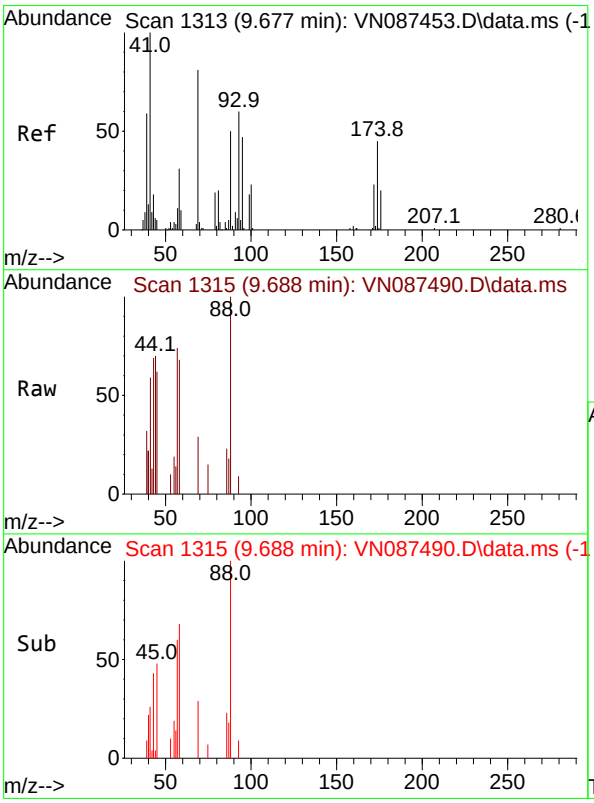
#34
Benzene
Concen: 3.759 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 78 Resp: 61173

Ion	Ratio	Lower	Upper
78	100		
77	24.8	19.2	28.8
51	28.8	16.9	25.3#

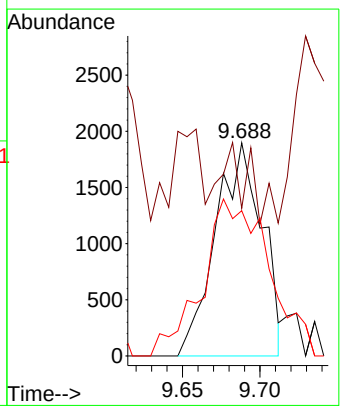


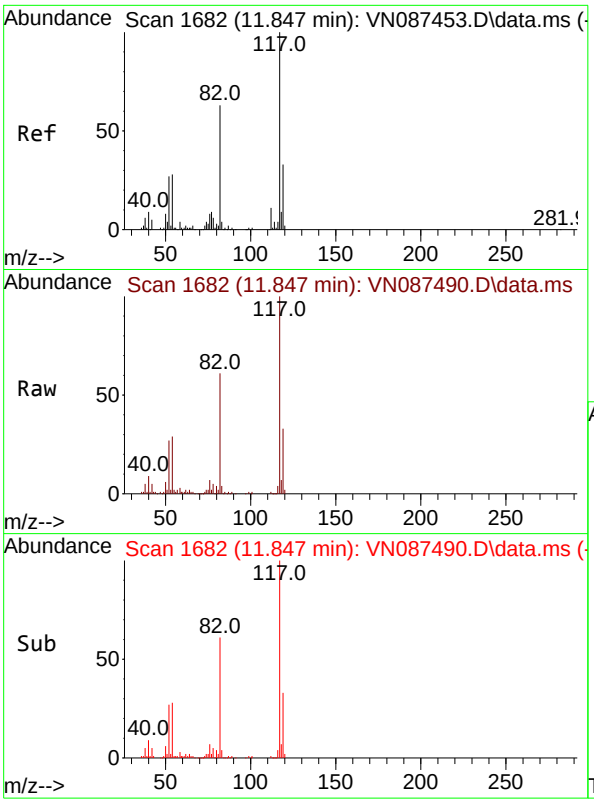


#45
1,4-Dioxane
Concen: 49.820 ug/l
RT: 9.688 min Scan# 1315
Delta R.T. 0.012 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 88 Resp: 3952

Ion	Ratio	Lower	Upper
88	100		
43	46.2	24.1	36.1#
58	85.3	57.2	85.8



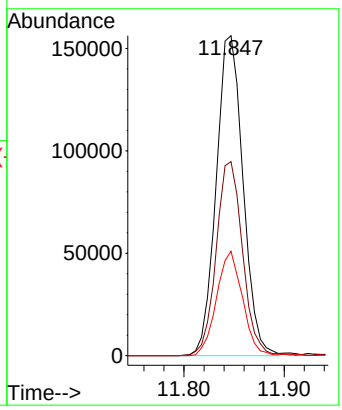


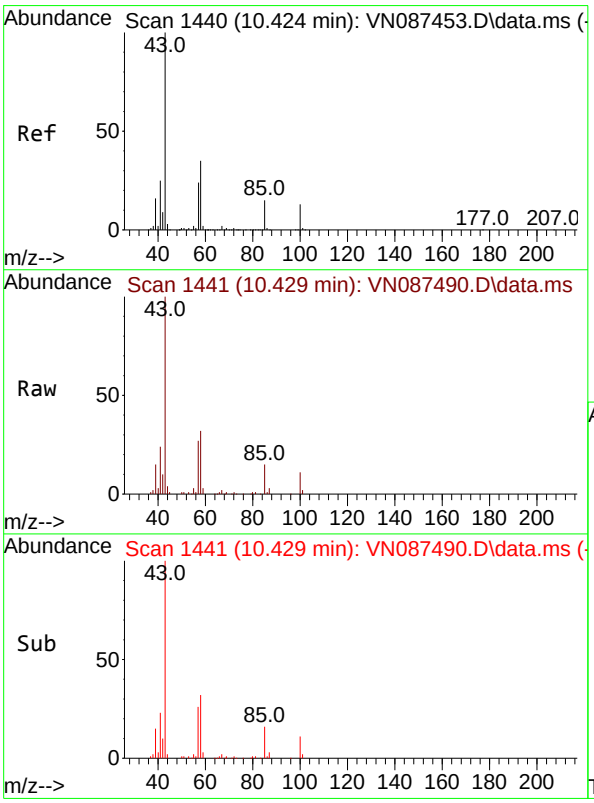
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:117 Resp: 290299

Ion	Ratio	Lower	Upper
117	100		
82	59.7	49.2	73.8
119	31.4	25.7	38.5

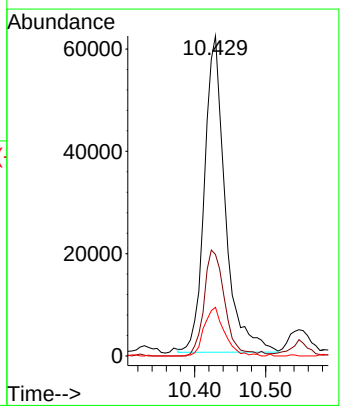


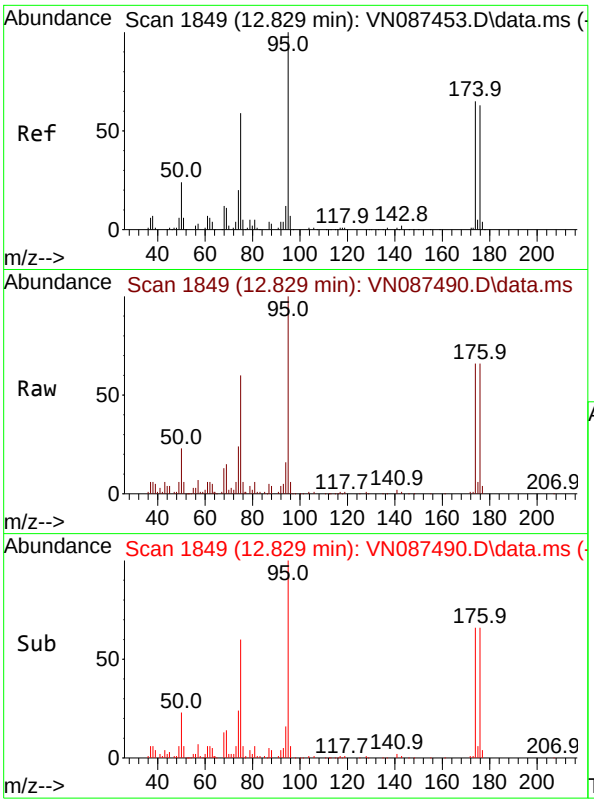


#58
4-Methyl-2-Pentanone
Concen: 16.900 ug/l
RT: 10.429 min Scan# 1441
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 43 Resp: 126204

Ion	Ratio	Lower	Upper
43	100		
58	33.1	29.0	43.6
85	14.8	12.7	19.1



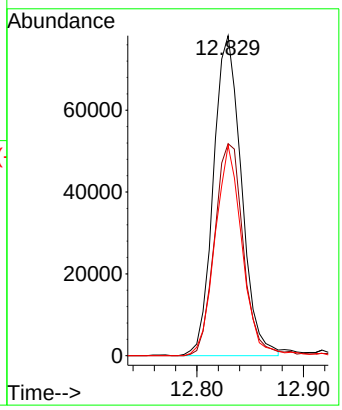


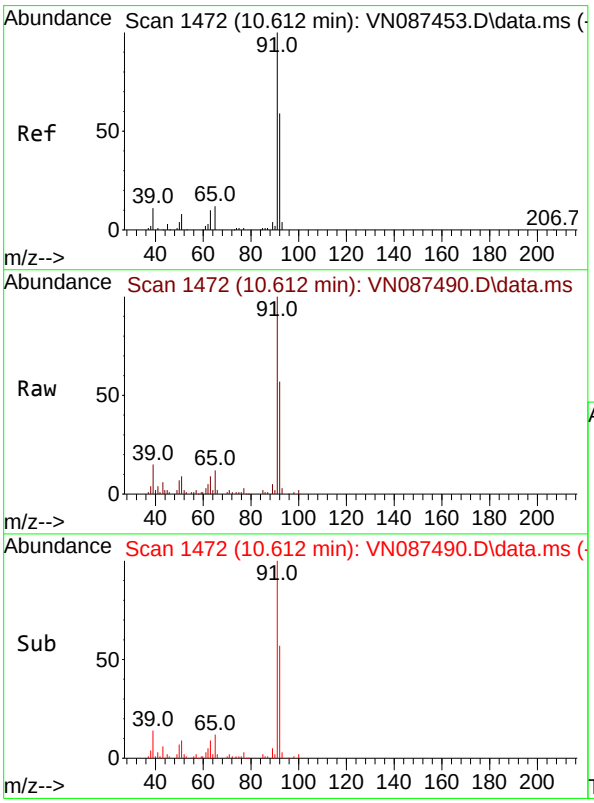
#60
4-Bromofluorobenzene
Concen: 28.531 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 95 Resp: 142539

Ion	Ratio	Lower	Upper
95	100		
174	68.1	52.3	78.5
176	63.3	49.8	74.8

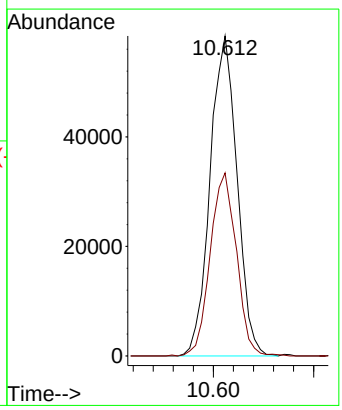


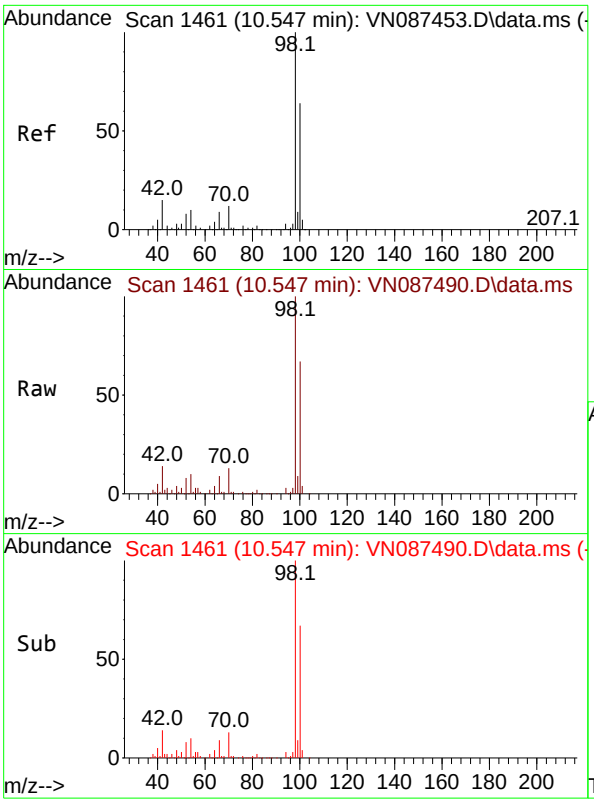


#62
Toluene
Concen: 6.083 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion: 91 Resp: 108992

Ion	Ratio	Lower	Upper
91	100		
92	55.3	45.8	68.6



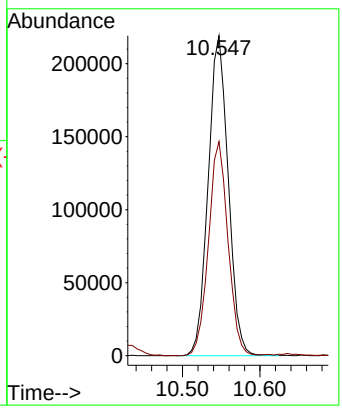


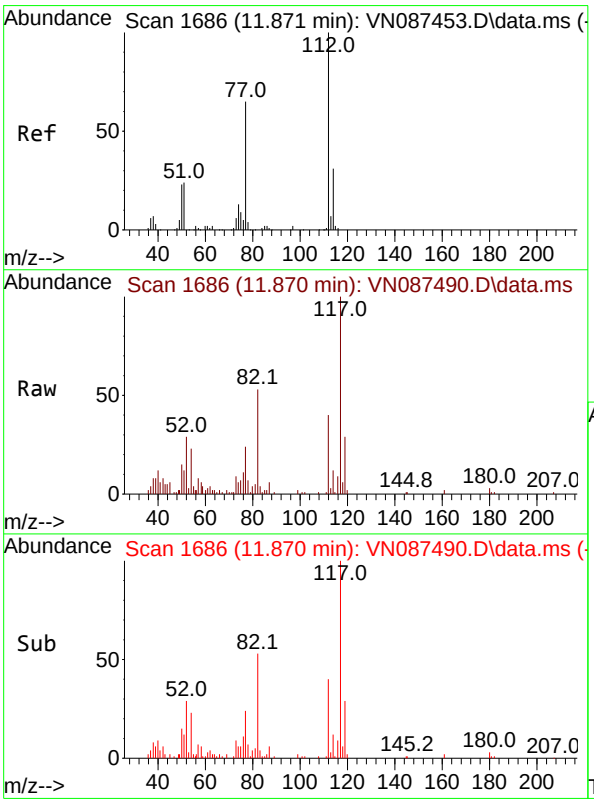
#63
Toluene-d8
Concen: 29.537 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 98 Resp: 394535

Ion	Ratio	Lower	Upper
98	100		
100	65.1	50.5	75.7

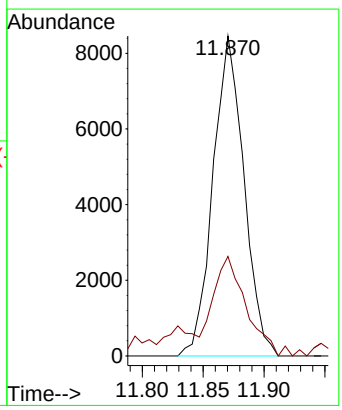


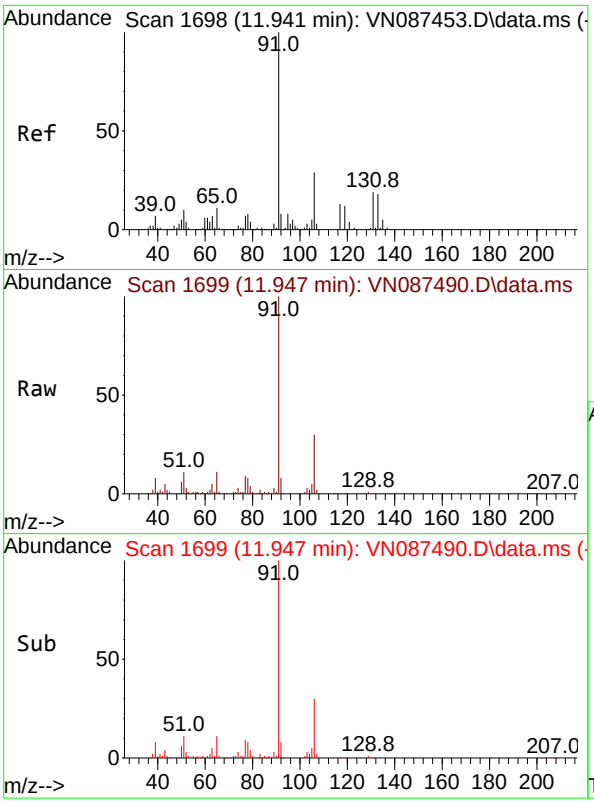


#64
Chlorobenzene
Concen: 1.358 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:112 Resp: 14952

Ion	Ratio	Lower	Upper
112	100		
114	31.1	24.7	37.1



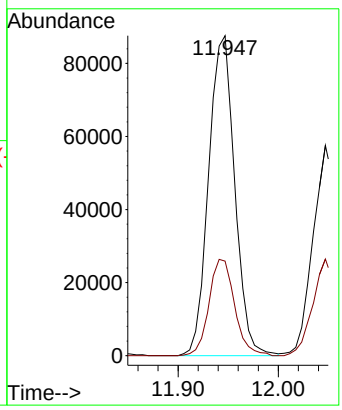


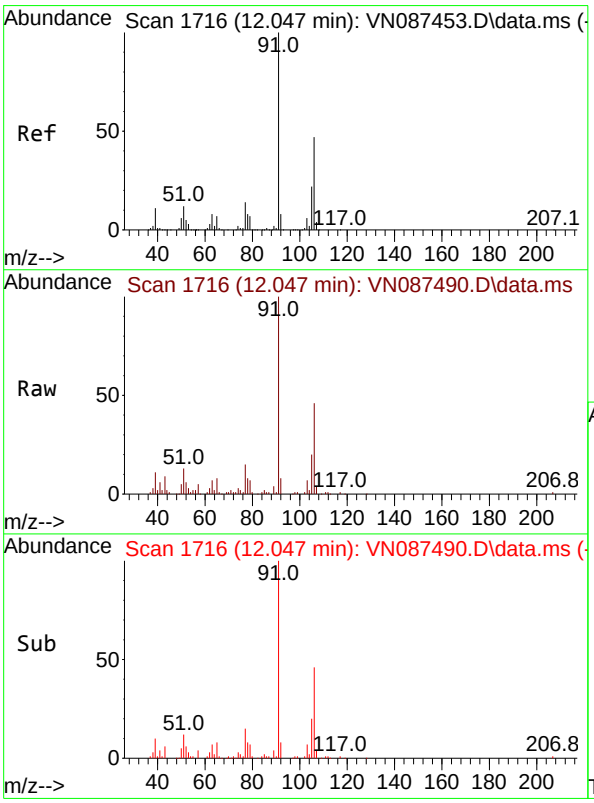
#66
Ethyl Benzene
Concen: 7.954 ug/l
RT: 11.947 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 91 Resp: 158840

Ion	Ratio	Lower	Upper
91	100		
106	29.6	22.9	34.3

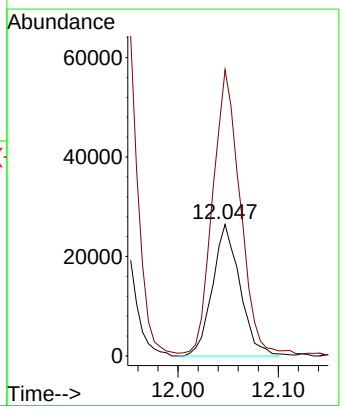


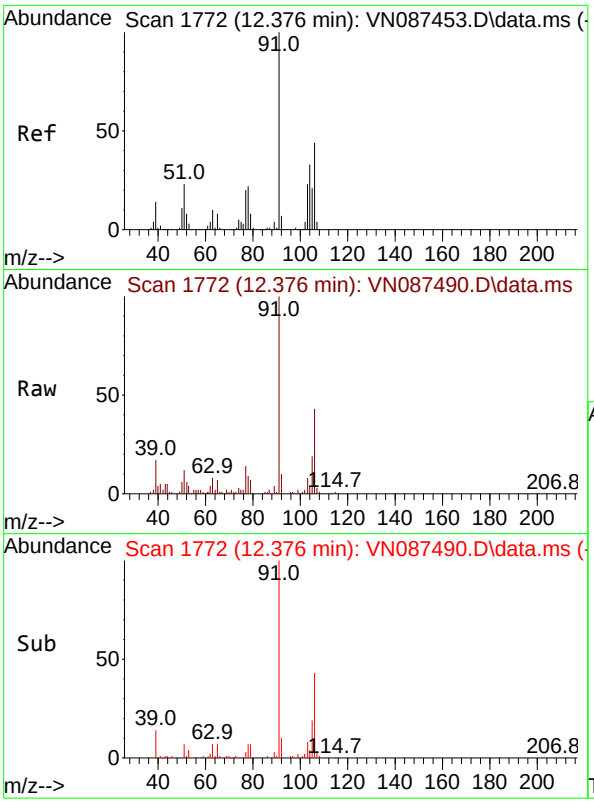


#67
m/p-Xylenes
Concen: 6.849 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:106 Resp: 50207

Ion	Ratio	Lower	Upper
106	100		
91	218.1	174.2	261.2



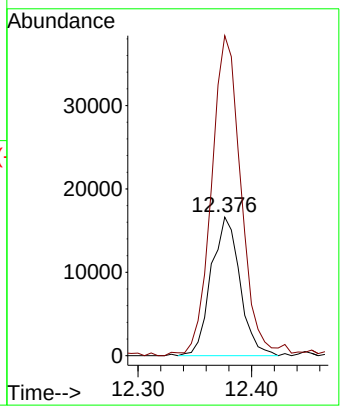


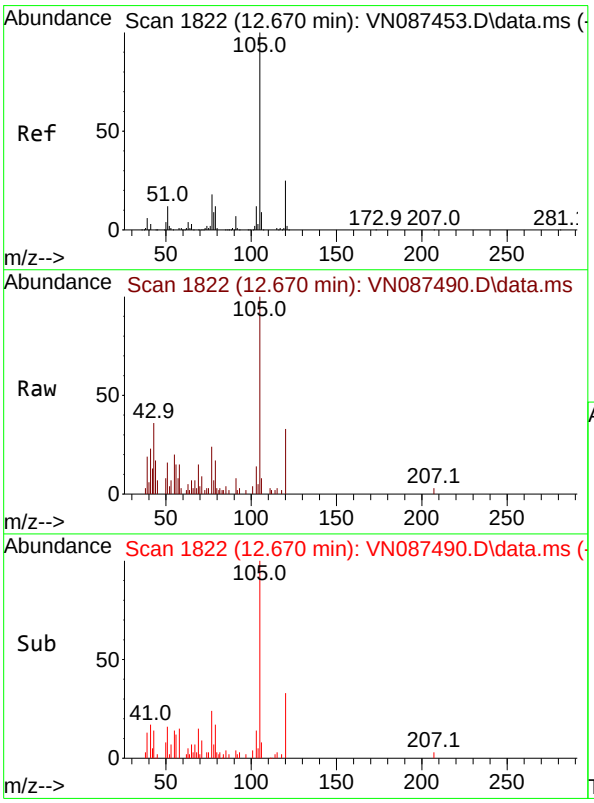
#68
o-Xylene
Concen: 4.047 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:106 Resp: 29183

Ion	Ratio	Lower	Upper
106	100		
91	235.5	114.5	343.5

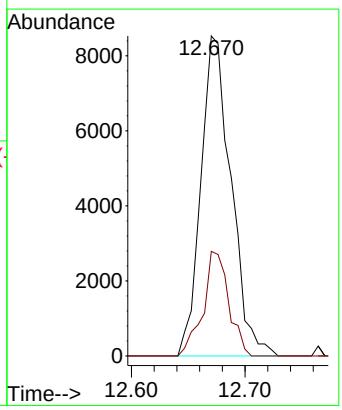


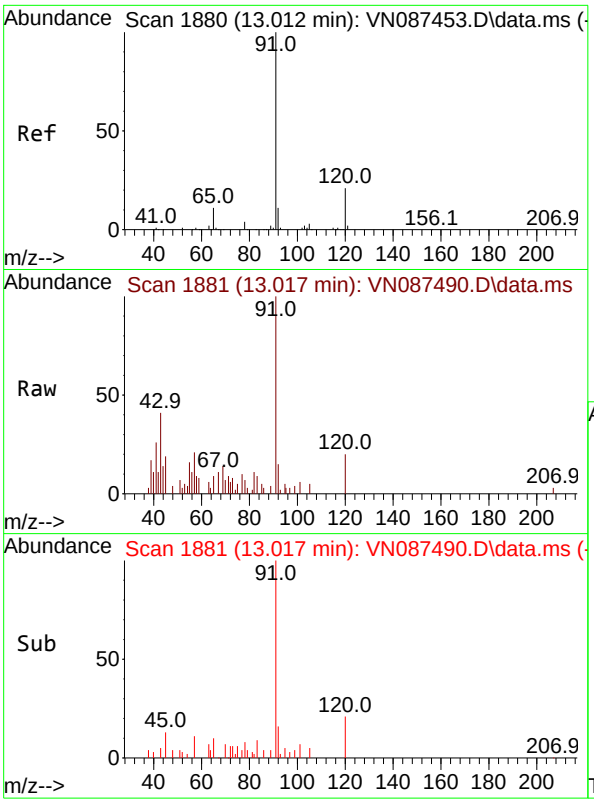


#70
Isopropylbenzene
Concen: 0.860 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:105 Resp: 15753

Ion	Ratio	Lower	Upper
105	100		
120	27.7	17.5	32.5



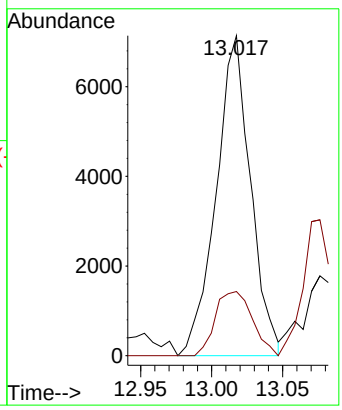


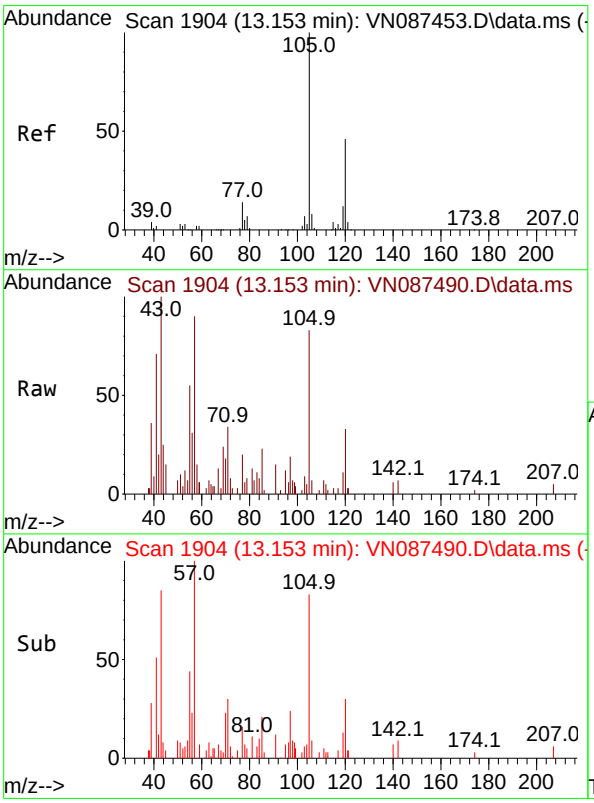
#74
n-propylbenzene
Concen: 0.525 ug/l
RT: 13.017 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion: 91 Resp: 12020

Ion	Ratio	Lower	Upper
91	100		
120	21.6	0.0	41.8

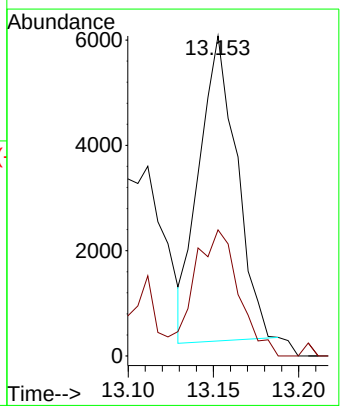


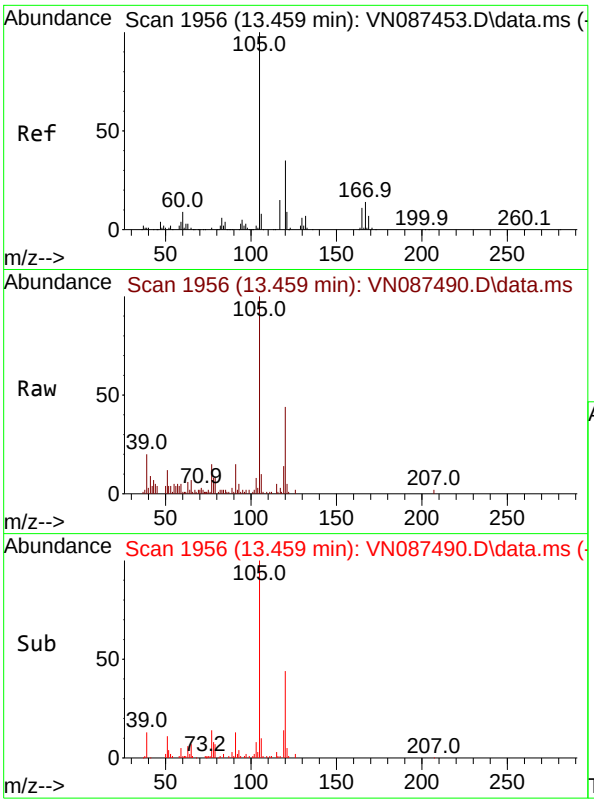


#76
1,3,5-Trimethylbenzene
Concen: 0.566 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:105 Resp: 8878

Ion	Ratio	Lower	Upper
105	100		
120	49.1	0.0	91.2



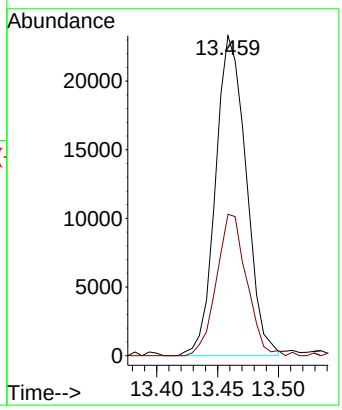


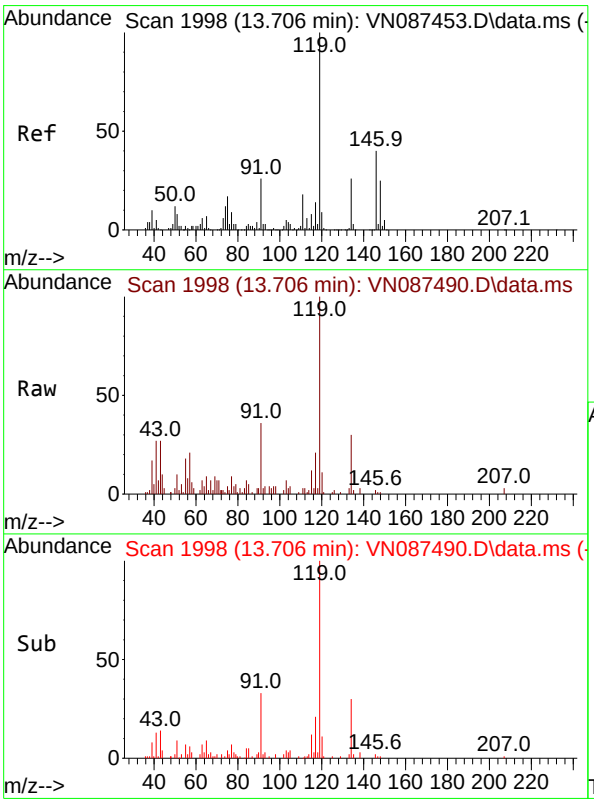
#80
1,2,4-Trimethylbenzene
Concen: 2.595 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:105 Resp: 40682

Ion	Ratio	Lower	Upper
105	100		
120	43.3	0.0	87.2

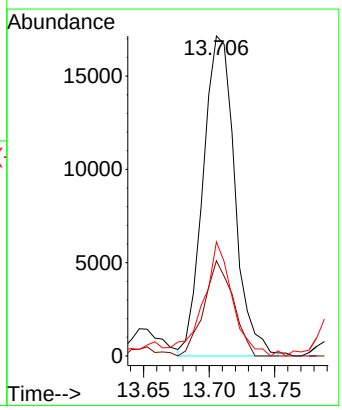


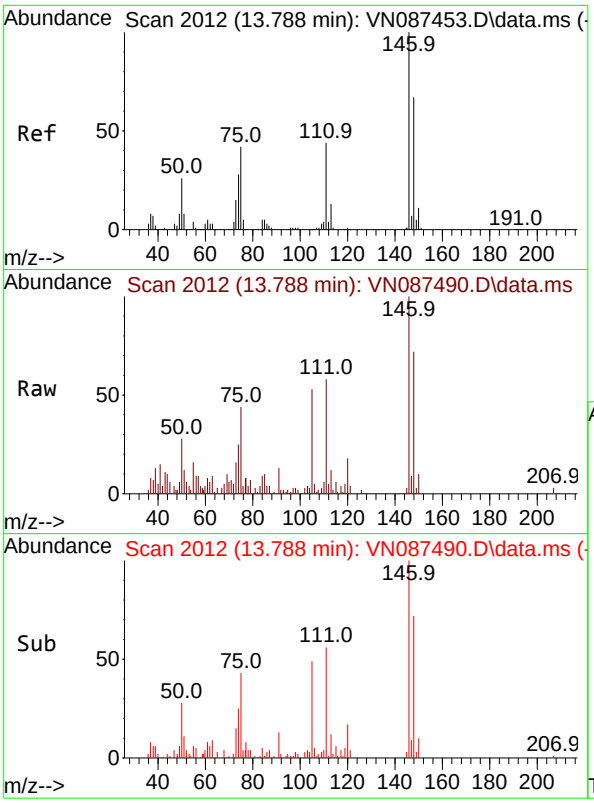


#82
p-Isopropyltoluene
Concen: 1.802 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:119 Resp: 28809

Ion	Ratio	Lower	Upper
119	100		
134	27.4	0.0	51.4
91	33.2	0.0	52.0



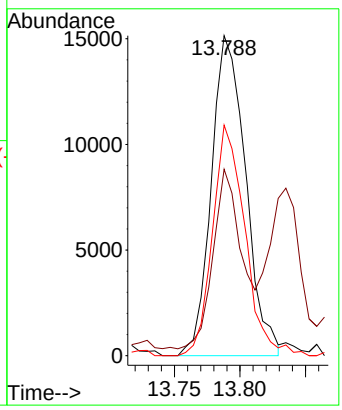


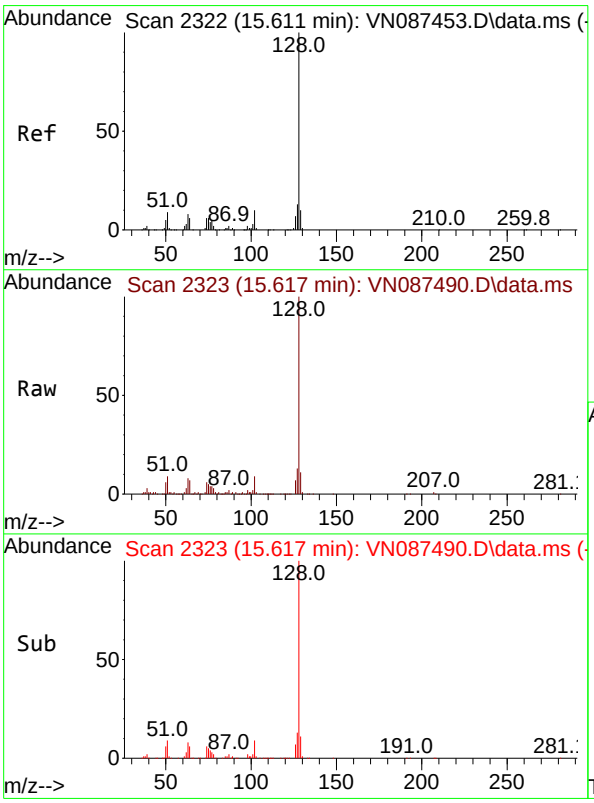
#84
1,4-Dichlorobenzene
Concen: 3.355 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Instrument :
MSVOA_N
ClientSampleId :
250806078-01 VOA

Tgt Ion:146 Resp: 27512

Ion	Ratio	Lower	Upper
146	100		
111	49.7	21.1	63.1
148	68.2	31.4	94.3

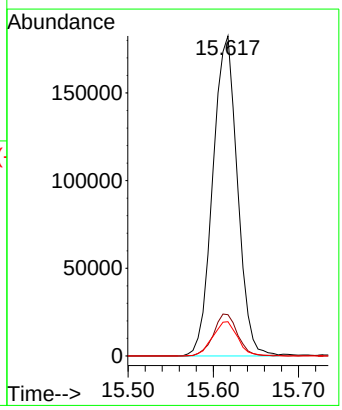




#91
Naphthalene
Concen: 20.854 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.006 min
Lab File: VN087490.D
Acq: 07 Aug 2025 13:31

Tgt Ion:128 Resp: 366881

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.4
129	10.9	8.9	13.3



Raw Data: **VN087489.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:	08/06/25
Project:	Waste Water 2025	Date Received:	08/07/25
Client Sample ID:	250806062-03 Trip blank	SDG No.:	Q2790
Lab Sample ID:	Q2790-02	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087489.D	1	08/07/25 13:10	VN080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.8		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	30.3		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.7		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	57400	7.794			
540-36-3	1,4-Difluorobenzene	316000	9.083			
3114-55-4	Chlorobenzene-d5	282000	11.847			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087489.D
Acq On : 07 Aug 2025 13:10
Operator : JC\MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250806062-03 Trip blank

Quant Time: Aug 08 01:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

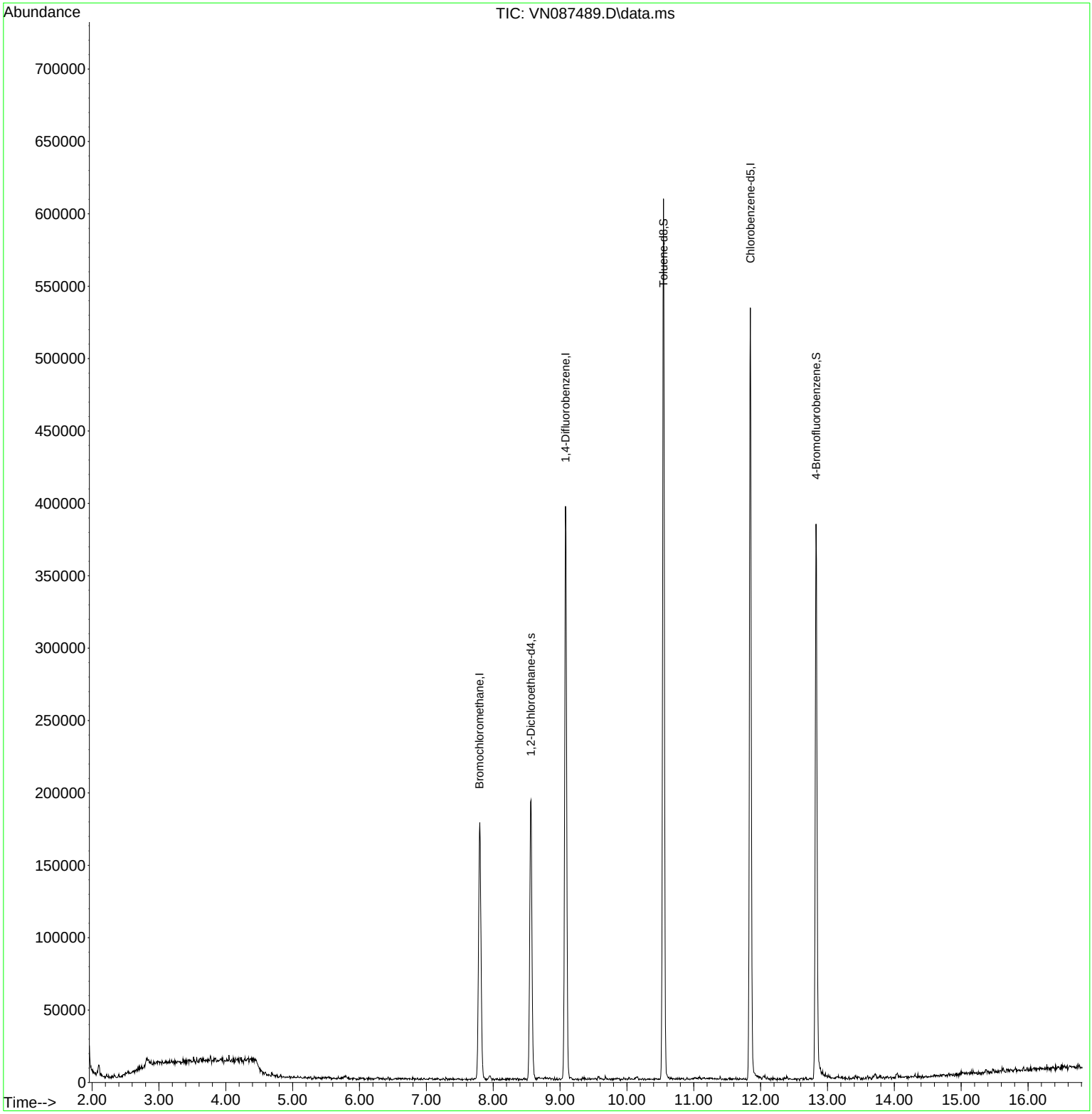
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	57403	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	315579	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	282105	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	163273	30.838	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.800%			
60) 4-Bromofluorobenzene	12.829	95	139563	28.747	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 95.833%			
63) Toluene-d8	10.547	98	393244	30.295	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.000%			
Target Compounds						Qvalue

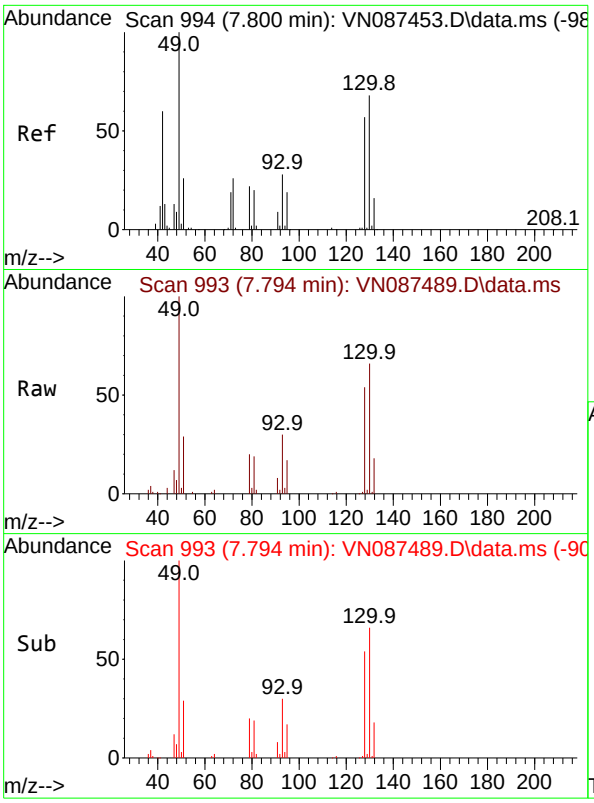
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087489.D
Acq On : 07 Aug 2025 13:10
Operator : JC\MD
Sample : Q2790-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
250806062-03 Trip blank

Quant Time: Aug 08 01:20:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



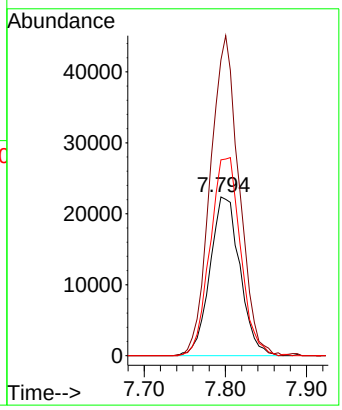


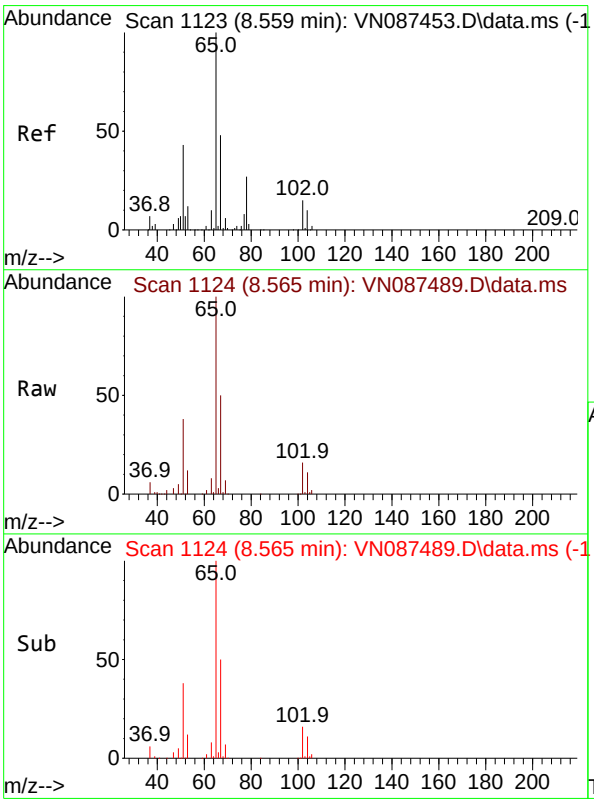
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Instrument :
MSVOA_N
ClientSampleId :
250806062-03 Trip blank

Tgt Ion:128 Resp: 57403

Ion	Ratio	Lower	Upper
128	100		
49	194.0	0.0	494.8
130	127.0	0.0	321.5

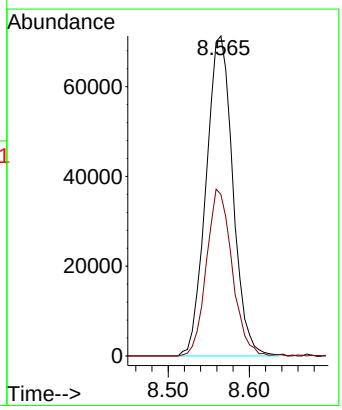


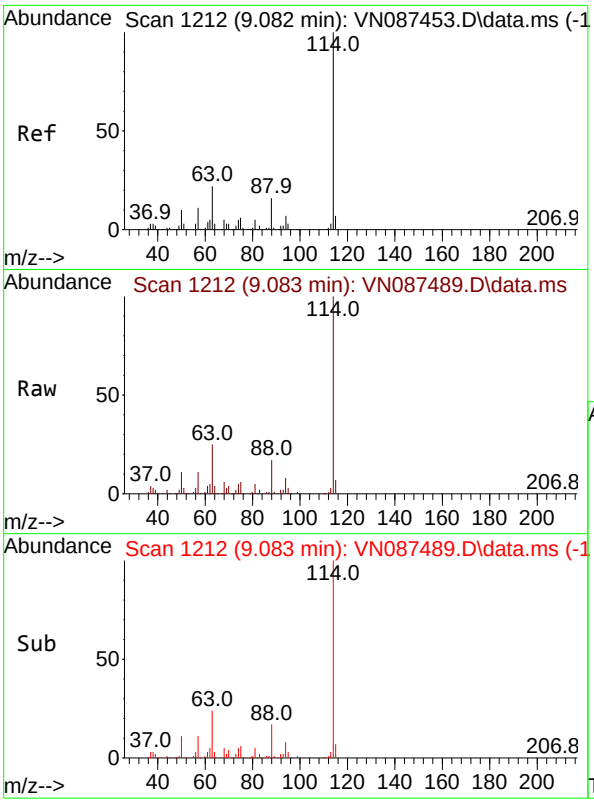


#27
1,2-Dichloroethane-d4
Concen: 30.838 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Tgt Ion: 65 Resp: 163273

Ion	Ratio	Lower	Upper
65	100		
67	50.0	40.8	61.2



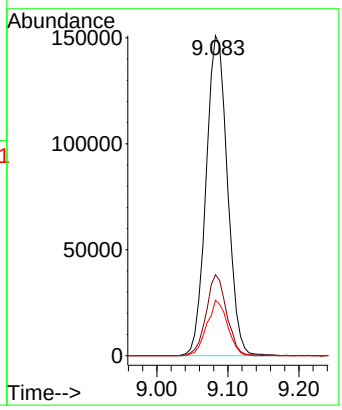


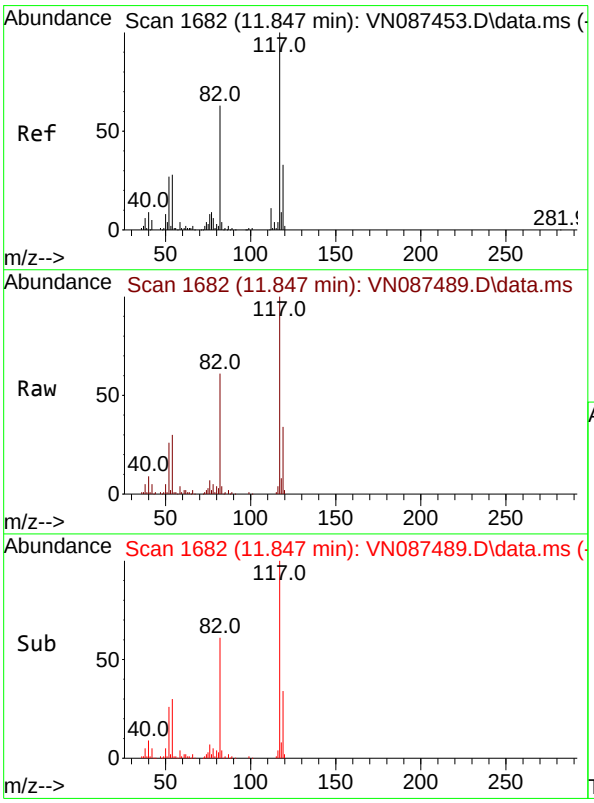
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Instrument :
MSVOA_N
ClientSampleId :
250806062-03 Trip blank

Tgt Ion:114 Resp: 315579

Ion	Ratio	Lower	Upper
114	100		
63	24.2	18.9	28.3
88	16.7	13.1	19.7

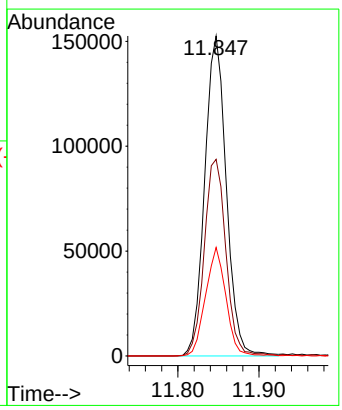


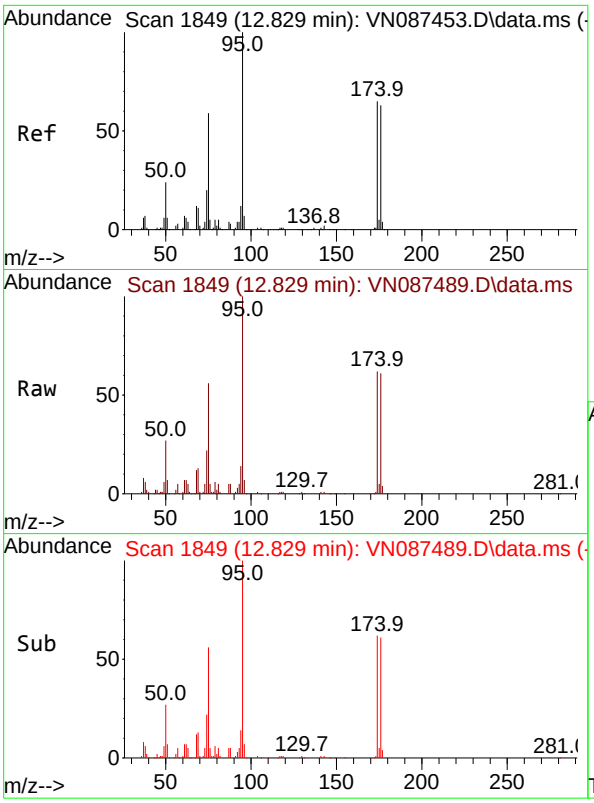


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Tgt Ion:117 Resp: 282105

Ion	Ratio	Lower	Upper
117	100		
82	61.3	49.2	73.8
119	32.0	25.7	38.5



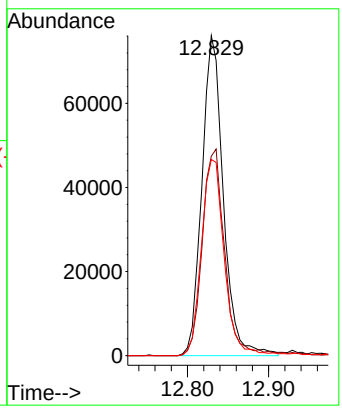


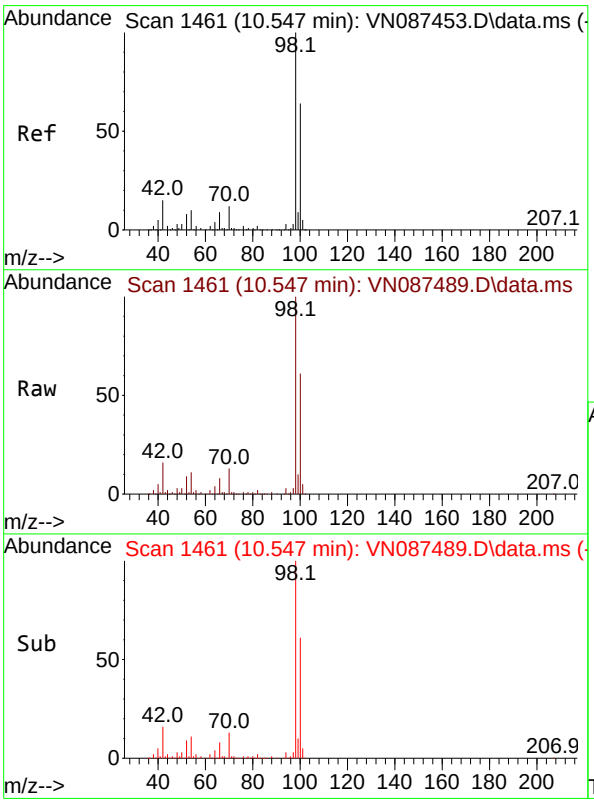
#60
4-Bromofluorobenzene
Concen: 28.747 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Instrument :
MSVOA_N
ClientSampleId :
250806062-03 Trip blank

Tgt Ion: 95 Resp: 139563

Ion	Ratio	Lower	Upper
95	100		
174	66.0	52.3	78.5
176	64.1	49.8	74.8

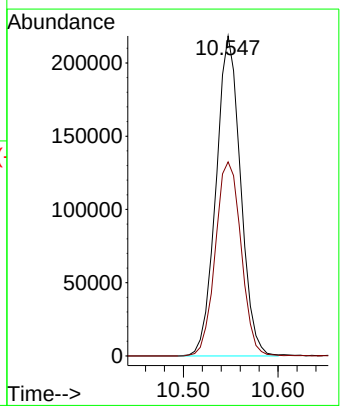




#63
Toluene-d8
Concen: 30.295 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087489.D
Acq: 07 Aug 2025 13:10

Tgt Ion: 98 Resp: 393244

Ion	Ratio	Lower	Upper
98	100		
100	63.6	50.5	75.7



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.: Q2790

Instrument ID: MSVOA_N Calibration Date(s): 08/05/2025 08/05/2025

Heated Purge: (Y/N) N Calibration Time(s): 13:37 15:01

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

LAB FILE ID: RRF005 = VN087452.D RRF020 = VN087453.D RRF050 = VN087454.D
RRF100 = VN087455.D RRF150 = VN087456.D RRF =

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	$\overline{RRF}$	% RSD
Acrolein	0.460	0.463	0.413	0.467	0.513		0.463	7.6
Acrylonitrile	1.353	1.358	1.193	1.335	1.382		1.324	5.7
1,2-Dichloroethane-d4	2.772	2.838	2.776	2.704	2.746		2.767	1.8
Toluene-d8	1.413	1.382	1.386	1.386	1.336		1.380	2
4-Bromofluorobenzene	0.512	0.520	0.522	0.520	0.508		0.516	1.1

* 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 : 624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025
Response Via : Initial Calibration

Calibration Files
5 =VN087452.D 20 =VN087453.D 50 =VN087454.D 100 =VN087455.D 150 =VN087456.D

		Compound	5	20	50	100	150	Avg	%RSD
1)	I	Bromochloromethane	----------ISTD----------						
2)	M	Dichlorodifluoro...	1.779	2.065	1.842	2.012	2.094	1.959	7.15
3)	M	Chloromethane	1.994	2.165	1.805	1.983	2.101	2.010	6.82
4)	M	Vinyl Chloride	2.092	2.289	1.905	2.161	2.210	2.131	6.82
5)	M	Bromomethane	1.027	1.160	1.070	1.220	1.291	1.154	9.32
6)	M	Chloroethane	1.413	1.441	1.211	1.381	1.427	1.374	6.83
7)	M	Trichlorofluorom...	3.231	3.208	2.715	3.043	3.141	3.067	6.85
8)	T	Diethyl Ether	1.339	1.321	1.158	1.256	1.316	1.278	5.81
9)		1,1,2-Trichlorot...	1.716	1.591	1.388	1.528	1.598	1.564	7.66
10)	M	1,1-Dichloroethene	1.704	1.730	1.440	1.616	1.725	1.643	7.46
11)		Methyl Iodide	0.778	1.076	1.217	1.615	1.782	1.294	31.42
12)		Methyl Acetate	2.942	3.094	2.763	3.128	3.234	3.032	6.05
13)	M	Acrolein	0.460	0.463	0.413	0.467	0.513	0.463	7.62
14)	M	Acrylonitrile	1.353	1.358	1.193	1.335	1.382	1.324	5.68
15)	M	Acetone	0.421	0.418	0.335	0.356	0.361	0.378	10.28
16)	M	Carbon Disulfide	5.413	5.176	4.534	5.095	5.266	5.097	6.60
17)		Allyl chloride	3.346	3.377	3.088	3.403	3.531	3.349	4.83
18)	M	Methylene Chloride	2.274	2.168	1.887	2.100	2.148	2.115	6.75
19)	M	trans-1,2-Dichlo...	2.081	2.014	1.729	1.927	2.019	1.954	7.02
20)	T	Diisopropyl ether	7.680	7.823	6.906	7.782	7.955	7.629	5.46
21)	M	1,1-Dichloroethane	3.979	4.147	3.567	3.949	4.076	3.944	5.70
22)	M	cis-1,2-Dichloro...	2.477	2.499	2.149	2.403	2.493	2.404	6.14
23)	M	tert-Butyl Alcohol	0.606	0.569	0.509	0.558	0.571	0.563	6.23
24)	M	Methyl tert-Buty...	7.611	7.656	6.765	7.529	7.874	7.487	5.65
25)	M	Chloroform	4.236	4.223	3.738	4.105	4.280	4.116	5.37
26)		Cyclohexane	3.153	3.329	2.842	3.205	3.258	3.157	5.95
27)	s	1,2-Dichloroetha...	2.772	2.838	2.776	2.704	2.746	2.767	1.76
28)	I	1,4-Difluorobenzene	----------ISTD----------						
29)		1,1-Dichloropropene	0.518	0.490	0.445	0.495	0.498	0.489	5.50
30)	M	2-Butanone	0.377	0.365	0.334	0.365	0.363	0.361	4.46
31)		2,2-Dichloropropane	0.672	0.638	0.576	0.636	0.632	0.631	5.48
32)	M	1,1,1-Trichloroe...	0.651	0.618	0.571	0.636	0.645	0.624	5.19
33)	M	Carbon Tetrachlo...	0.536	0.520	0.474	0.527	0.535	0.518	4.94
34)	M	Benzene	1.608	1.540	1.410	1.580	1.584	1.545	5.12
35)		Methacrylonitrile	0.409	0.399	0.373	0.382	0.383	0.389	3.77
36)	M	1,2-Dichloroethane	0.661	0.636	0.564	0.626	0.634	0.624	5.77
37)	M	Trichloroethene	0.355	0.345	0.311	0.344	0.346	0.340	4.97
38)		Methylcyclohexane	0.603	0.572	0.512	0.576	0.575	0.568	5.94
39)	M	1,2-Dichloropropane	0.422	0.401	0.358	0.399	0.400	0.396	5.95
40)		Dibromomethane	0.317	0.300	0.269	0.298	0.302	0.297	5.83
41)	M	Bromodichloromet...	0.662	0.606	0.561	0.623	0.634	0.617	6.04
42)	M	Vinyl Acetate	1.222	1.212	1.088	1.205	1.212	1.188	4.74
43)		Ethyl Acetate	0.745	0.699	0.626	0.699	0.716	0.697	6.31
44)		Isopropyl Acetate	1.228	1.191	1.082	1.201	1.204	1.181	4.82
45)	T	1,4-Dioxane	0.008	0.008	0.007	0.007	0.008	0.008	4.20
46)		Methyl methacrylate	0.576	0.558	0.503	0.565	0.585	0.558	5.76
47)		n-amyl Acetate	0.537	0.566	0.572	0.765	0.823	0.652	20.12
48)	M	t-1,3-Dichloropr...	0.676	0.663	0.618	0.700	0.702	0.672	5.10
49)	T	cis-1,3-Dichloro...	0.687	0.664	0.629	0.696	0.704	0.676	4.48
50)	M	1,1,2-Trichloroe...	0.385	0.375	0.344	0.386	0.388	0.375	4.88
51)		Ethyl methacrylate	0.599	0.652	0.624	0.714	0.716	0.661	8.02
52)		1,3-Dichloropropane	0.699	0.678	0.621	0.688	0.696	0.676	4.70
53)	M	Dibromochloromet...	0.427	0.424	0.402	0.455	0.460	0.434	5.49
54)	M	1,2-Dibromoethane	0.401	0.400	0.364	0.414	0.413	0.399	5.12
55)	M	2-Chloroethyl vi...	0.373	0.349	0.321	0.345	0.353	0.348	5.40
56)	M	Bromoform	0.268	0.276	0.268	0.310	0.312	0.287	7.82

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 624N080525W.M

57)	I	Chlorobenzene-d5	----------ISTD----------						
58)	M	4-Methyl-2-Penta...	0.813	0.802	0.713	0.780	0.751	0.772	5.27
59)	M	2-Hexanone	0.484	0.527	0.504	0.561	0.545	0.524	5.95
60)	S	4-Bromofluoroben...	0.512	0.520	0.522	0.520	0.508	0.516	1.14
61)	M	Tetrachloroethene	0.320	0.292	0.270	0.290	0.289	0.292	6.10
62)	M	Toluene	1.975	1.905	1.689	1.854	1.835	1.852	5.70
63)	S	Toluene-d8	1.413	1.382	1.386	1.386	1.336	1.380	2.02
64)	M	Chlorobenzene	1.218	1.156	1.030	1.149	1.135	1.138	5.97
65)		1,1,1,2-Tetrachl...	0.431	0.404	0.364	0.405	0.396	0.400	5.99
66)	M	Ethyl Benzene	2.154	2.115	1.892	2.094	2.064	2.064	4.92
67)	M	m/p-Xylenes	0.796	0.768	0.702	0.768	0.753	0.758	4.55
68)	M	o-Xylene	0.791	0.754	0.681	0.756	0.745	0.745	5.38
69)	M	Styrene	1.257	1.295	1.182	1.323	1.307	1.273	4.43
70)		Isopropylbenzene	1.938	1.936	1.729	1.947	1.916	1.893	4.88
71)	M	1,1,2,2-Tetrachl...	0.692	0.679	0.590	0.654	0.628	0.649	6.28
72)		1,2,3-Trichlorop...	0.631	0.567	0.582	0.629	0.613	0.604	4.77
73)		Bromobenzene	0.468	0.440	0.398	0.451	0.438	0.439	5.88
74)		n-propylbenzene	2.495	2.410	2.165	2.415	2.338	2.365	5.27
75)		2-Chlorotoluene	1.570	1.484	1.328	1.466	1.424	1.455	6.07
76)		1,3,5-Trimethylb...	1.705	1.661	1.495	1.646	1.599	1.621	4.93
77)		t-1,4-Dichloro-2...	0.192	0.216	0.220	0.261	0.256	0.229	12.71
78)		4-Chlorotoluene	1.549	1.474	1.362	1.513	1.472	1.474	4.77
79)		tert-butylbenzene	1.443	1.398	1.266	1.395	1.332	1.367	5.03
80)		1,2,4-Trimethylb...	1.672	1.639	1.511	1.667	1.611	1.620	4.05
81)		sec-Butylbenzene	2.093	2.047	1.849	2.015	1.944	1.990	4.80
82)		p-Isopropyltoluene	1.761	1.692	1.528	1.670	1.610	1.652	5.32
83)	M	1,3-Dichlorobenzene	0.874	0.853	0.777	0.847	0.828	0.836	4.37
84)	M	1,4-Dichlorobenzene	0.884	0.870	0.790	0.858	0.835	0.847	4.35
85)		n-Butylbenzene	1.647	1.662	1.513	1.658	1.602	1.616	3.89
86)	T	Hexachloroethane	0.327	0.326	0.300	0.334	0.327	0.323	4.07
87)	M	1,2-Dichlorobenzene	0.812	0.819	0.750	0.814	0.794	0.798	3.56
88)		1,2-Dibromo-3-Ch...	0.173	0.170	0.149	0.166	0.164	0.164	5.70
89)		1,2,4-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477	5.05
90)		Hexachlorobutadiene	0.222	0.189	0.165	0.177	0.174	0.185	11.79
91)	M	Naphthalene	1.807	1.840	1.675	1.885	1.883	1.818	4.73
92)		1,2,3-Trichlorob...	0.495	0.478	0.435	0.486	0.490	0.477	5.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	66791	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	367765	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	324158	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	185120	30.050	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.167%				
60) 4-Bromofluorobenzene	12.829	95	166050	29.766	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.233%				
63) Toluene-d8	10.547	98	457922	30.702	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.333%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	19809	4.543	ug/l		97
3) Chloromethane	2.383	50	22193	4.960	ug/l		98
4) Vinyl Chloride	2.542	62	23292	4.908	ug/l		93
5) Bromomethane	2.977	94	11433	4.451	ug/l		96
6) Chloroethane	3.136	64	15730	5.141	ug/l		96
7) Trichlorofluoromethane	3.500	101	35964	5.266	ug/l	#	81
8) Diethyl Ether	3.965	74	14911	5.241	ug/l		95
9) 1,1,2-Trichlorotrifluo...	4.359	101	19105	5.486	ug/l		63
10) 1,1-Dichloroethene	4.342	96	18969	5.185	ug/l		96
11) Methyl Iodide	4.583	142	8659m	3.021	ug/l		
12) Methyl Acetate	5.024	43	32749	4.851	ug/l	#	91
13) Acrolein	4.183	56	25602	24.838	ug/l		92
14) Acrylonitrile	5.706	53	75304	25.546	ug/l		99
15) Acetone	4.424	58	23455	27.848	ug/l		88
16) Carbon Disulfide	4.706	76	60257	5.310	ug/l		100
17) Allyl chloride	5.018	41	37245	4.995	ug/l		91
18) Methylene Chloride	5.265	84	25316	5.377	ug/l		87
19) trans-1,2-Dichloroethene	5.777	96	23167m	5.326	ug/l		
20) Diisopropyl ether	6.659	45	85498	5.036	ug/l	#	98
21) 1,1-Dichloroethane	6.553	63	44299	5.045	ug/l		99
22) cis-1,2-Dichloroethene	7.465	96	27569	5.151	ug/l	#	88
23) tert-Butyl Alcohol	5.524	59	33736	26.933	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	84726	5.083	ug/l	#	69
25) Chloroform	7.947	83	47159	5.146	ug/l		98
26) Cyclohexane	8.241	56	35104	4.994	ug/l	#	93
29) 1,1-Dichloropropene	8.353	75	31744	5.292	ug/l		92
30) 2-Butanone	7.471	43	115688	26.165	ug/l	#	83
31) 2,2-Dichloropropane	7.471	77	41219	5.328	ug/l	#	61
32) 1,1,1-Trichloroethane	8.153	97	39911	5.217	ug/l		99
33) Carbon Tetrachloride	8.341	117	32877	5.173	ug/l		96
34) Benzene	8.582	78	98586	5.207	ug/l	#	81
35) Methacrylonitrile	7.771	41	25099	5.260	ug/l		93
36) 1,2-Dichloroethane	8.647	62	40495	5.291	ug/l		97
37) Trichloroethene	9.335	130	21742	5.213	ug/l		92
38) Methylcyclohexane	9.577	83	36974	5.313	ug/l		98
39) 1,2-Dichloropropane	9.600	63	25889	5.333	ug/l		91
40) Dibromomethane	9.688	93	19402	5.327	ug/l		99
41) Bromodichloromethane	9.871	83	40582	5.362	ug/l	#	95
42) Vinyl Acetate	6.594	43	374548	25.723	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	45639m	5.423	ug/l		
44) Isopropyl Acetate	8.677	43	75250	5.197	ug/l		98
45) 1,4-Dioxane	9.682	88	9597	103.972	ug/l	#	85
46) Methyl methacrylate	9.665	41	35322	5.168	ug/l		98
47) n-amyl Acetate	12.682	43	32939m	4.524	ug/l		
48) t-1,3-Dichloropropene	10.818	75	41412	5.029	ug/l		95
49) cis-1,3-Dichloropropene	10.294	75	42124	5.083	ug/l	#	94
50) 1,1,2-Trichloroethane	10.994	97	23578	5.123	ug/l		93
51) Ethyl methacrylate	10.859	69	36705	4.529	ug/l		97
52) 1,3-Dichloropropane	11.141	76	42828	5.166	ug/l		97
53) Dibromochloromethane	11.341	129	26196	4.929	ug/l		95
54) 1,2-Dibromoethane	11.447	107	24555	5.026	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	114298	26.788	ug/l		99
56) Bromoform	12.559	173	16434	4.675	ug/l	#	78
58) 4-Methyl-2-Pentanone	10.424	43	219603	26.335	ug/l		99
59) 2-Hexanone	11.182	43	130616	23.053	ug/l		99
61) Tetrachloroethene	11.082	164	17278	5.471	ug/l		92
62) Toluene	10.612	91	106690	5.333	ug/l		100
64) Chlorobenzene	11.871	112	65821	5.354	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	23260	5.381	ug/l		98
66) Ethyl Benzene	11.947	91	116379	5.219	ug/l		97
67) m/p-Xylenes	12.053	106	85967	10.503	ug/l		96
68) o-Xylene	12.376	106	42724	5.306	ug/l		95
69) Styrene	12.394	104	67893	4.938	ug/l		97
70) Isopropylbenzene	12.676	105	104723	5.119	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	37401	5.336	ug/l		97
72) 1,2,3-Trichloropropane	12.976	75	34102m	4.733	ug/l		
73) Bromobenzene	12.959	156	25284	5.331	ug/l		94
74) n-propylbenzene	13.018	91	134786	5.275	ug/l		99
75) 2-Chlorotoluene	13.106	91	84827	5.397	ug/l		95
76) 1,3,5-Trimethylbenzene	13.153	105	92128	5.259	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	10355	4.189	ug/l		79
78) 4-Chlorotoluene	13.200	91	83697	5.255	ug/l		98
79) tert-butylbenzene	13.417	119	77933	5.277	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	90309	5.159	ug/l		100
81) sec-Butylbenzene	13.594	105	113073	5.259	ug/l		97
82) p-Isopropyltoluene	13.706	119	95127	5.329	ug/l		99
83) 1,3-Dichlorobenzene	13.717	146	47197	5.226	ug/l		96
84) 1,4-Dichlorobenzene	13.788	146	47756	5.216	ug/l		97
85) n-Butylbenzene	14.035	91	89004	5.096	ug/l		99
86) Hexachloroethane	14.312	117	17680	5.072	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	43857	5.087	ug/l		96
88) 1,2-Dibromo-3-Chloropr...	14.694	75	9336	5.257	ug/l		98
89) 1,2,4-Trichlorobenzene	15.811	180	26729	5.188	ug/l		98
90) Hexachlorobutadiene	15.470	225	11972	5.976	ug/l		80
91) Naphthalene	15.617	128	97646	4.971	ug/l		98
92) 1,2,3-Trichlorobenzene	15.811	180	26729	5.188	ug/l		98

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

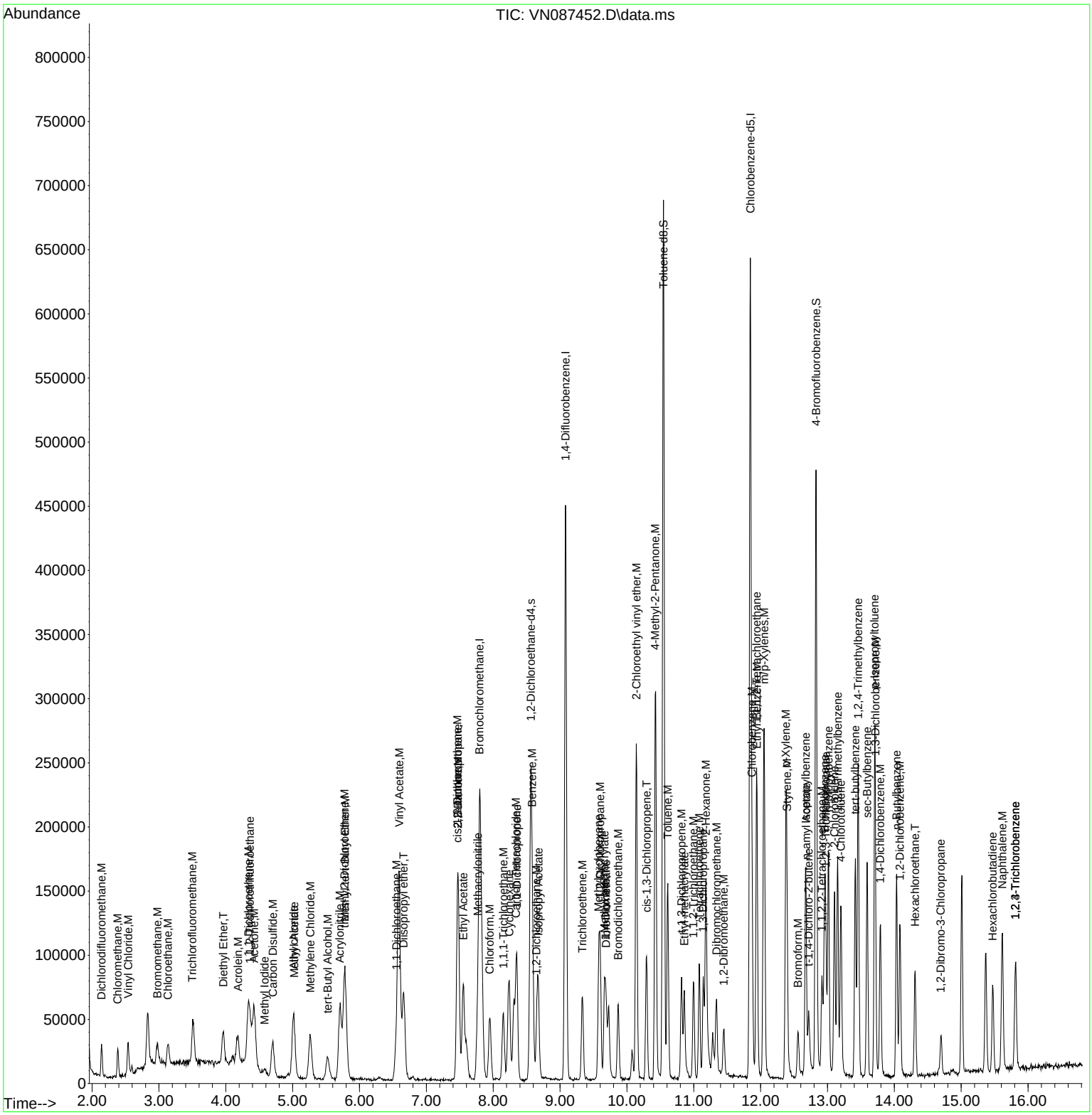
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 06 01:26:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	64218	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	367115	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	327914	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	182238	30.767	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.567%			
60) 4-Bromofluorobenzene	12.829	95	170429	30.201	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.667%			
63) Toluene-d8	10.547	98	453121	30.032	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.100%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	88427	21.090	ug/l	100
3) Chloromethane	2.383	50	92684	21.546	ug/l	100
4) Vinyl Chloride	2.542	62	97984	21.476	ug/l	100
5) Bromomethane	2.983	94	49674	20.114	ug/l	100
6) Chloroethane	3.142	64	61674	20.963	ug/l	100
7) Trichlorofluoromethane	3.512	101	137336	20.915	ug/l	100
8) Diethyl Ether	3.965	74	56555	20.674	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	68121	20.344	ug/l	100
10) 1,1-Dichloroethene	4.336	96	74078	21.062	ug/l	100
11) Methyl Iodide	4.589	142	46084m	16.723	ug/l	
12) Methyl Acetate	5.018	43	132440	20.405	ug/l	100
13) Acrolein	4.171	56	99154	100.048	ug/l	99
14) Acrylonitrile	5.712	53	290627	102.544	ug/l	100
15) Acetone	4.418	58	89398	110.396	ug/l	100
16) Carbon Disulfide	4.700	76	221586	20.310	ug/l	100
17) Allyl chloride	5.012	41	144593	20.170	ug/l	100
18) Methylene Chloride	5.271	84	92808m	20.501	ug/l	
19) trans-1,2-Dichloroethene	5.771	96	86216	20.613	ug/l	100
20) Diisopropyl ether	6.665	45	334922	20.517	ug/l	100
21) 1,1-Dichloroethane	6.553	63	177532	21.030	ug/l	100
22) cis-1,2-Dichloroethene	7.471	96	106998	20.791	ug/l	100
23) tert-Butyl Alcohol	5.518	59	121824	101.156	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	327775	20.452	ug/l	100
25) Chloroform	7.947	83	180797	20.518	ug/l	100
26) Cyclohexane	8.241	56	142519	21.086	ug/l	100
29) 1,1-Dichloropropene	8.353	75	120007	20.042	ug/l	100
30) 2-Butanone	7.471	43	446235	101.104	ug/l	100
31) 2,2-Dichloropropane	7.471	77	156255	20.233	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	151297	19.812	ug/l	100
33) Carbon Tetrachloride	8.341	117	127325	20.070	ug/l	100
34) Benzene	8.588	78	377003	19.946	ug/l	100
35) Methacrylonitrile	7.765	41	97561	20.484	ug/l	100
36) 1,2-Dichloroethane	8.653	62	155656	20.373	ug/l	100
37) Trichloroethene	9.335	130	84369	20.264	ug/l	100
38) Methylcyclohexane	9.582	83	139951	20.147	ug/l	100
39) 1,2-Dichloropropane	9.600	63	98038	20.230	ug/l	100
40) Dibromomethane	9.688	93	73356	20.175	ug/l	100
41) Bromodichloromethane	9.871	83	148435	19.646	ug/l	100
42) Vinyl Acetate	6.588	43	1483194	102.044	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
43) Ethyl Acetate	7.553	43	170967m	20.349	ug/l	
44) Isopropyl Acetate	8.677	43	291509	20.169	ug/l	100
45) 1,4-Dioxane	9.677	88	37910	411.437	ug/l	100
46) Methyl methacrylate	9.665	41	136612	20.024	ug/l	100
47) n-amyl Acetate	12.529	43	138459m	19.052	ug/l	
48) t-1,3-Dichloropropene	10.818	75	162191	19.732	ug/l	100
49) cis-1,3-Dichloropropene	10.294	75	162479	19.641	ug/l	100
50) 1,1,2-Trichloroethane	10.994	97	91845	19.993	ug/l	100
51) Ethyl methacrylate	10.853	69	159690	19.738	ug/l	100
52) 1,3-Dichloropropane	11.141	76	165895	20.044	ug/l	100
53) Dibromochloromethane	11.341	129	103790	19.563	ug/l	100
54) 1,2-Dibromoethane	11.447	107	97894	20.073	ug/l	100
55) 2-Chloroethyl vinyl ether	10.141	63	426876	100.225	ug/l	100
56) Bromoform	12.559	173	67550	19.250	ug/l	100
58) 4-Methyl-2-Pentanone	10.424	43	876419	103.897	ug/l	100
59) 2-Hexanone	11.182	43	576264	100.543	ug/l	100
61) Tetrachloroethene	11.082	164	63867	19.992	ug/l	100
62) Toluene	10.612	91	416382	20.573	ug/l	100
64) Chlorobenzene	11.871	112	252716	20.321	ug/l	100
65) 1,1,1,2-Tetrachloroethane	11.941	131	88390	20.216	ug/l	100
66) Ethyl Benzene	11.941	91	462372	20.497	ug/l	100
67) m/p-Xylenes	12.047	106	335952	40.573	ug/l	100
68) o-Xylene	12.376	106	164778	20.228	ug/l	100
69) Styrene	12.394	104	283102	20.353	ug/l	100
70) Isopropylbenzene	12.670	105	423292	20.453	ug/l	100
71) 1,1,2,2-Tetrachloroethane	12.918	83	148347	20.920	ug/l	100
72) 1,2,3-Trichloropropane	12.970	75	123856m	16.992	ug/l	
73) Bromobenzene	12.959	156	96161	20.043	ug/l	100
74) n-propylbenzene	13.012	91	526811	20.382	ug/l	100
75) 2-Chlorotoluene	13.106	91	324478	20.409	ug/l	100
76) 1,3,5-Trimethylbenzene	13.153	105	363042	20.488	ug/l	100
77) t-1,4-Dichloro-2-butene	12.718	75	47119	18.843	ug/l	100
78) 4-Chlorotoluene	13.200	91	322316	20.005	ug/l	100
79) tert-butylbenzene	13.417	119	305702	20.462	ug/l	100
80) 1,2,4-Trimethylbenzene	13.459	105	358349	20.238	ug/l	100
81) sec-Butylbenzene	13.594	105	447541	20.577	ug/l	100
82) p-Isopropyltoluene	13.706	119	369955	20.486	ug/l	100
83) 1,3-Dichlorobenzene	13.712	146	186482	20.412	ug/l	100
84) 1,4-Dichlorobenzene	13.788	146	190232	20.538	ug/l	100
85) n-Butylbenzene	14.035	91	363428	20.569	ug/l	100
86) Hexachloroethane	14.312	117	71198	20.189	ug/l	100
87) 1,2-Dichlorobenzene	14.082	146	179117	20.539	ug/l	100
88) 1,2-Dibromo-3-Chloropr...	14.694	75	37135	20.672	ug/l	100
89) 1,2,4-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100
90) Hexachlorobutadiene	15.476	225	41238	20.349	ug/l	100
91) Naphthalene	15.611	128	402240	20.241	ug/l	100
92) 1,2,3-Trichlorobenzene	15.811	180	104426	20.037	ug/l	100

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

ICAL Form

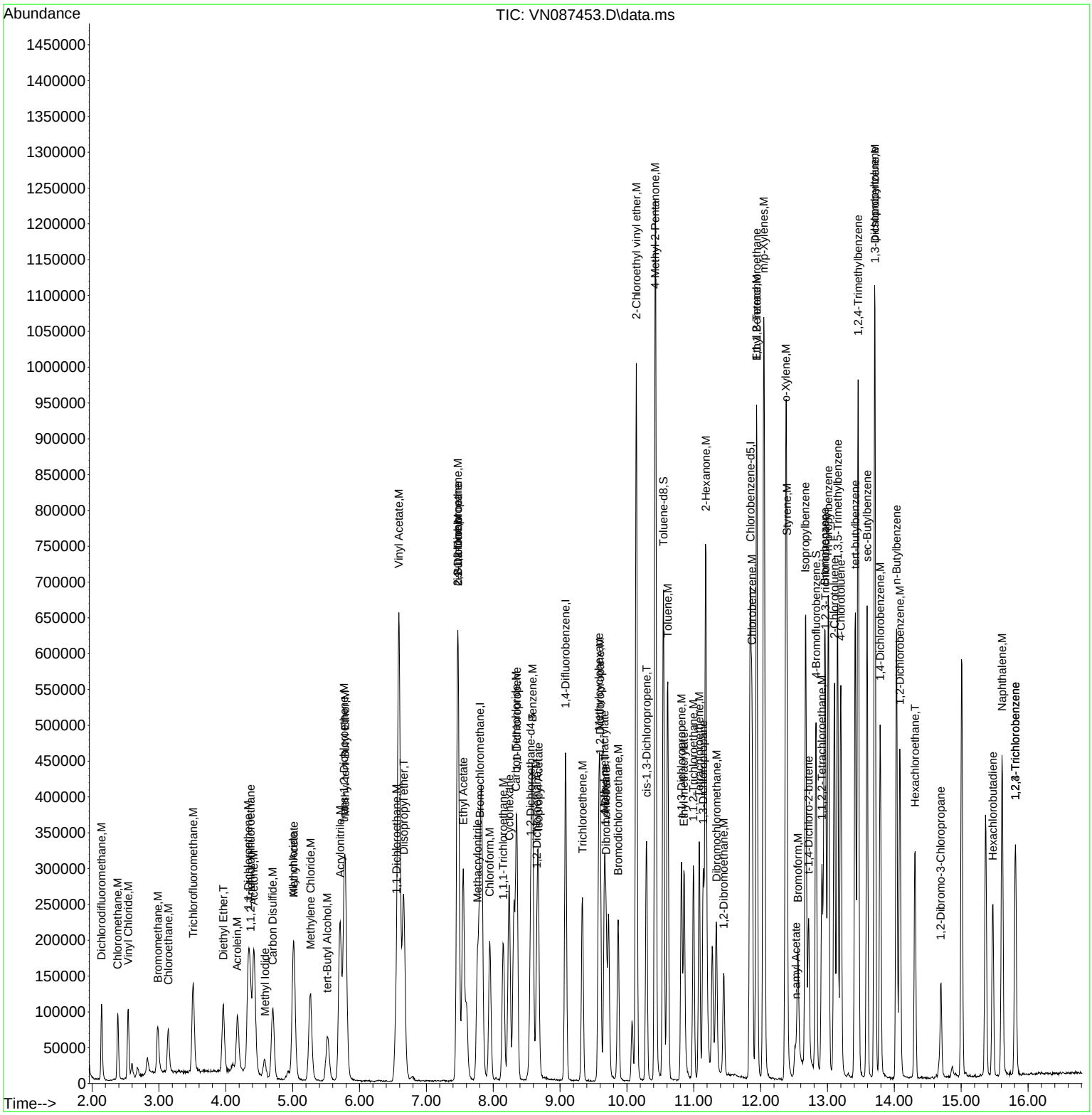
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 06 01:27:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	76249	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	418905	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	385657	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	211654	30.095	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 100.333%			
60) 4-Bromofluorobenzene	12.829	95	201264	30.325	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.067%			
63) Toluene-d8	10.547	98	534559	30.124	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	234078	47.020	ug/l	97
3) Chloromethane	2.383	50	229410	44.915	ug/l	98
4) Vinyl Chloride	2.542	62	242082	44.687	ug/l	93
5) Bromomethane	2.977	94	136035	46.393	ug/l	84
6) Chloroethane	3.136	64	153939	44.067	ug/l	98
7) Trichlorofluoromethane	3.506	101	344998	44.251	ug/l	96
8) Diethyl Ether	3.959	74	147110	45.292	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	176341	44.354	ug/l	88
10) 1,1-Dichloroethene	4.336	96	182951	43.809	ug/l	94
11) Methyl Iodide	4.577	142	154678	47.274	ug/l	99
12) Methyl Acetate	5.012	43	351071	45.556	ug/l	98
13) Acrolein	4.177	56	262498	223.074	ug/l	96
14) Acrylonitrile	5.706	53	757874	225.213	ug/l	100
15) Acetone	4.424	58	212947	221.472	ug/l	95
16) Carbon Disulfide	4.700	76	576164	44.477	ug/l	98
17) Allyl chloride	5.012	41	392451	46.106	ug/l	97
18) Methylene Chloride	5.265	84	239778	44.610	ug/l	97
19) trans-1,2-Dichloroethene	5.771	96	219724	44.245	ug/l	98
20) Diisopropyl ether	6.659	45	877578	45.278	ug/l	96
21) 1,1-Dichloroethane	6.553	63	453264	45.221	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	273116	44.697	ug/l	99
23) tert-Butyl Alcohol	5.518	59	323387	226.154	ug/l #	100
24) Methyl tert-Butyl Ether	5.783	73	859723	45.179	ug/l	99
25) Chloroform	7.947	83	475045	45.405	ug/l	98
26) Cyclohexane	8.241	56	361178	45.006	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	310679	45.472	ug/l	97
30) 2-Butanone	7.471	43	1165660	231.454	ug/l	99
31) 2,2-Dichloropropane	7.471	77	402451	45.671	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	398348	45.714	ug/l	97
33) Carbon Tetrachloride	8.347	117	330997	45.723	ug/l	98
34) Benzene	8.588	78	984335	45.639	ug/l	99
35) Methacrylonitrile	7.765	41	260104	47.860	ug/l	99
36) 1,2-Dichloroethane	8.653	62	393795	45.169	ug/l	98
37) Trichloroethene	9.335	130	217082	45.693	ug/l	95
38) Methylcyclohexane	9.582	83	357253	45.072	ug/l	99
39) 1,2-Dichloropropane	9.600	63	249627	45.142	ug/l	97
40) Dibromomethane	9.688	93	187857	45.278	ug/l	97
41) Bromodichloromethane	9.871	83	391953	45.463	ug/l	98
42) Vinyl Acetate	6.589	43	3796699	228.920	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	436753	45.558	ug/l		96
44) Isopropyl Acetate	8.677	43	755567	45.813	ug/l		99
45) 1,4-Dioxane	9.682	88	98035	932.433	ug/l		97
46) Methyl methacrylate	9.665	41	351323	45.128	ug/l		98
47) n-amyl Acetate	12.494	43	399157m	48.133	ug/l		
48) t-1,3-Dichloropropene	10.818	75	431587	46.014	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	439121	46.521	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	240010	45.786	ug/l		98
51) Ethyl methacrylate	10.853	69	435415	47.164	ug/l		97
52) 1,3-Dichloropropane	11.141	76	433869	45.941	ug/l		98
53) Dibromochloromethane	11.335	129	280542	46.341	ug/l		100
54) 1,2-Dibromoethane	11.447	107	254243	45.688	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	1118997	230.244	ug/l		100
56) Bromoform	12.559	173	186820	46.656	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.424	43	2290380	230.864	ug/l		99
59) 2-Hexanone	11.177	43	1620747	240.439	ug/l		100
61) Tetrachloroethene	11.082	164	173500	46.177	ug/l		93
62) Toluene	10.612	91	1085878	45.620	ug/l		99
64) Chlorobenzene	11.871	112	662306	45.283	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.935	131	233942	45.493	ug/l		98
66) Ethyl Benzene	11.941	91	1215937	45.832	ug/l		98
67) m/p-Xylenes	12.047	106	902756	92.702	ug/l		97
68) o-Xylene	12.376	106	437515	45.667	ug/l		99
69) Styrene	12.388	104	759493	46.428	ug/l		99
70) Isopropylbenzene	12.676	105	1111500	45.666	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	379527	45.508	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	374092m	43.638	ug/l		
73) Bromobenzene	12.959	156	255773	45.330	ug/l		99
74) n-propylbenzene	13.012	91	1391658	45.781	ug/l		99
75) 2-Chlorotoluene	13.106	91	853763	45.659	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	961117	46.118	ug/l		100
77) t-1,4-Dichloro-2-butene	12.718	75	141496	48.111	ug/l		93
78) 4-Chlorotoluene	13.200	91	875292	46.192	ug/l		99
79) tert-butylbenzene	13.418	119	813723	46.311	ug/l		99
80) 1,2,4-Trimethylbenzene	13.459	105	971243	46.640	ug/l		100
81) sec-Butylbenzene	13.594	105	1188558	46.465	ug/l		100
82) p-Isopropyltoluene	13.706	119	982310	46.251	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	499720	46.509	ug/l		100
84) 1,4-Dichlorobenzene	13.788	146	507658	46.603	ug/l		99
85) n-Butylbenzene	14.035	91	972192	46.785	ug/l		99
86) Hexachloroethane	14.312	117	192686	46.458	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	482093	47.005	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	95570	45.236	ug/l		95
89) 1,2,4-Trichlorobenzene	15.811	180	279770	45.643	ug/l		99
90) Hexachlorobutadiene	15.476	225	106360	44.624	ug/l		97
91) Naphthalene	15.611	128	1076915	46.078	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	279770	45.643	ug/l		99

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

ICAL Form

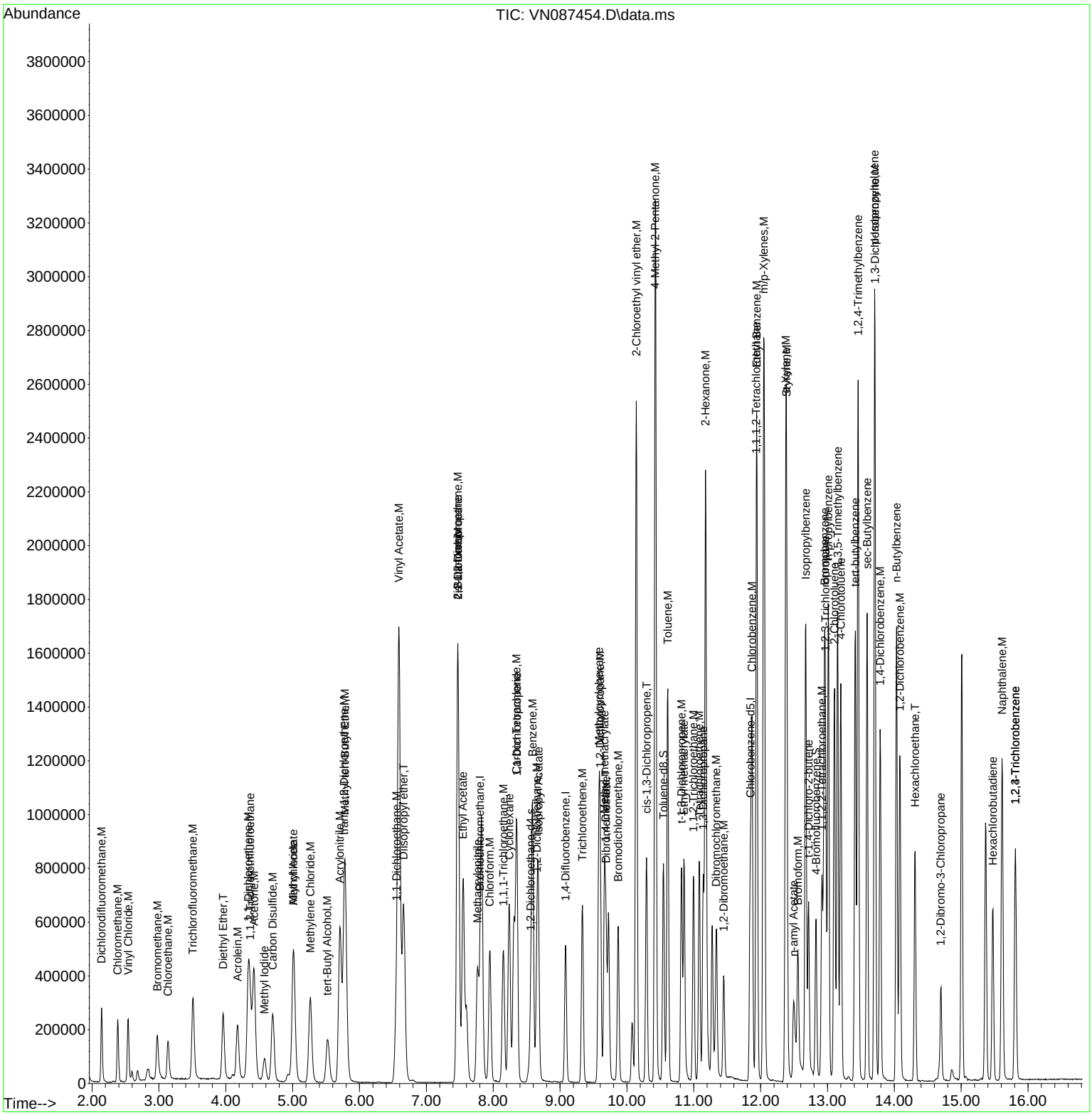
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Aug 06 01:28:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC050

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	70635	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	389326	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	359656	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	191012	29.319	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 97.733%			
60) 4-Bromofluorobenzene	12.829	95	186862	30.190	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 100.633%			
63) Toluene-d8	10.547	98	498338	30.114	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.367%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	473762	102.730	ug/l	97
3) Chloromethane	2.383	50	466952	98.689	ug/l	99
4) Vinyl Chloride	2.536	62	508879	101.402	ug/l	97
5) Bromomethane	2.959	94	287163	105.716	ug/l	87
6) Chloroethane	3.130	64	325044	100.444	ug/l	99
7) Trichlorofluoromethane	3.506	101	716379	99.189	ug/l	99
8) Diethyl Ether	3.959	74	295673	98.265	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	359828	97.700	ug/l	88
10) 1,1-Dichloroethene	4.330	96	380598	98.381	ug/l	98
11) Methyl Iodide	4.577	142	380217	125.440	ug/l	91
12) Methyl Acetate	5.012	43	736494	103.164	ug/l	97
13) Acrolein	4.171	56	549240	503.847	ug/l	99
14) Acrylonitrile	5.706	53	1571651	504.158	ug/l	100
15) Acetone	4.424	58	418923	470.323	ug/l	93
16) Carbon Disulfide	4.700	76	1199576	99.962	ug/l	100
17) Allyl chloride	5.012	41	801152	101.602	ug/l	95
18) Methylene Chloride	5.265	84	494371	99.285	ug/l	94
19) trans-1,2-Dichloroethene	5.771	96	453658	98.611	ug/l	93
20) Diisopropyl ether	6.659	45	1832338	102.051	ug/l	98
21) 1,1-Dichloroethane	6.553	63	929854	100.142	ug/l	99
22) cis-1,2-Dichloroethene	7.477	96	565755	99.948	ug/l	99
23) tert-Butyl Alcohol	5.530	59	656761	495.796	ug/l #	100
24) Methyl tert-Butyl Ether	5.788	73	1772627	100.557	ug/l	99
25) Chloroform	7.947	83	966531	99.723	ug/l	100
26) Cyclohexane	8.241	56	754564	101.498	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	642951	101.253	ug/l	98
30) 2-Butanone	7.471	43	2366356	505.563	ug/l	100
31) 2,2-Dichloropropane	7.477	77	825382	100.781	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	825110	101.882	ug/l	96
33) Carbon Tetrachloride	8.341	117	683314	101.563	ug/l	97
34) Benzene	8.588	78	2050407	102.292	ug/l	97
35) Methacrylonitrile	7.765	41	495672	98.134	ug/l	97
36) 1,2-Dichloroethane	8.653	62	812745	100.306	ug/l	100
37) Trichloroethene	9.335	130	446892	101.212	ug/l	94
38) Methylcyclohexane	9.582	83	747573	101.482	ug/l	98
39) 1,2-Dichloropropane	9.600	63	518393	100.868	ug/l	95
40) Dibromomethane	9.688	93	386489	100.231	ug/l	96
41) Bromodichloromethane	9.871	83	808690	100.928	ug/l	98
42) Vinyl Acetate	6.588	43	7820160	507.335	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	907628	101.868	ug/l		97
44) Isopropyl Acetate	8.677	43	1558470	101.675	ug/l		99
45) 1,4-Dioxane	9.682	88	194002	1985.385	ug/l		96
46) Methyl methacrylate	9.665	41	732745	101.273	ug/l		92
47) n-amyl Acetate	12.488	43	992295	128.748	ug/l	#	60
48) t-1,3-Dichloropropene	10.818	75	908224	104.188	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	903230	102.958	ug/l		97
50) 1,1,2-Trichloroethane	11.000	97	500440	102.720	ug/l		96
51) Ethyl methacrylate	10.853	69	926992	108.040	ug/l		97
52) 1,3-Dichloropropane	11.141	76	892266	101.657	ug/l		98
53) Dibromochloromethane	11.341	129	590310	104.918	ug/l		100
54) 1,2-Dibromoethane	11.447	107	537806	103.987	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	2236990	495.251	ug/l		99
56) Bromoform	12.559	173	402717	108.214	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.429	43	4678202	505.641	ug/l		99
59) 2-Hexanone	11.176	43	3365074	535.301	ug/l		100
61) Tetrachloroethene	11.082	164	347945	99.301	ug/l		97
62) Toluene	10.612	91	2222660	100.129	ug/l		100
64) Chlorobenzene	11.870	112	1377291	100.975	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	486095	101.362	ug/l		98
66) Ethyl Benzene	11.941	91	2510073	101.451	ug/l		97
67) m/p-Xylenes	12.047	106	1841924	202.817	ug/l		99
68) o-Xylene	12.376	106	906317	101.440	ug/l		100
69) Styrene	12.388	104	1585501	103.928	ug/l		99
70) Isopropylbenzene	12.676	105	2334192	102.833	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.917	83	784278	100.840	ug/l		100
72) 1,2,3-Trichloropropane	12.970	75	753853m	94.296	ug/l		
73) Bromobenzene	12.959	156	540169	102.653	ug/l		98
74) n-propylbenzene	13.012	91	2895579	102.142	ug/l		100
75) 2-Chlorotoluene	13.106	91	1757134	100.765	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	1972967	101.515	ug/l		99
77) t-1,4-Dichloro-2-butene	12.717	75	312541	113.952	ug/l		92
78) 4-Chlorotoluene	13.200	91	1813669	102.633	ug/l		98
79) tert-butylbenzene	13.417	119	1672735	102.082	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	1998320	102.898	ug/l		100
81) sec-Butylbenzene	13.594	105	2416128	101.283	ug/l		100
82) p-Isopropyltoluene	13.706	119	2001765	101.064	ug/l		100
83) 1,3-Dichlorobenzene	13.711	146	1015919	101.387	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1028636	101.255	ug/l		99
85) n-Butylbenzene	14.035	91	1987536	102.562	ug/l		98
86) Hexachloroethane	14.311	117	399888	103.386	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	976220	102.064	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	199216	101.112	ug/l		95
89) 1,2,4-Trichlorobenzene	15.811	180	582952	101.981	ug/l		100
90) Hexachlorobutadiene	15.476	225	212184	95.460	ug/l		95
91) Naphthalene	15.611	128	2259551	103.669	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	582952	101.981	ug/l		100

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

ICAL Form

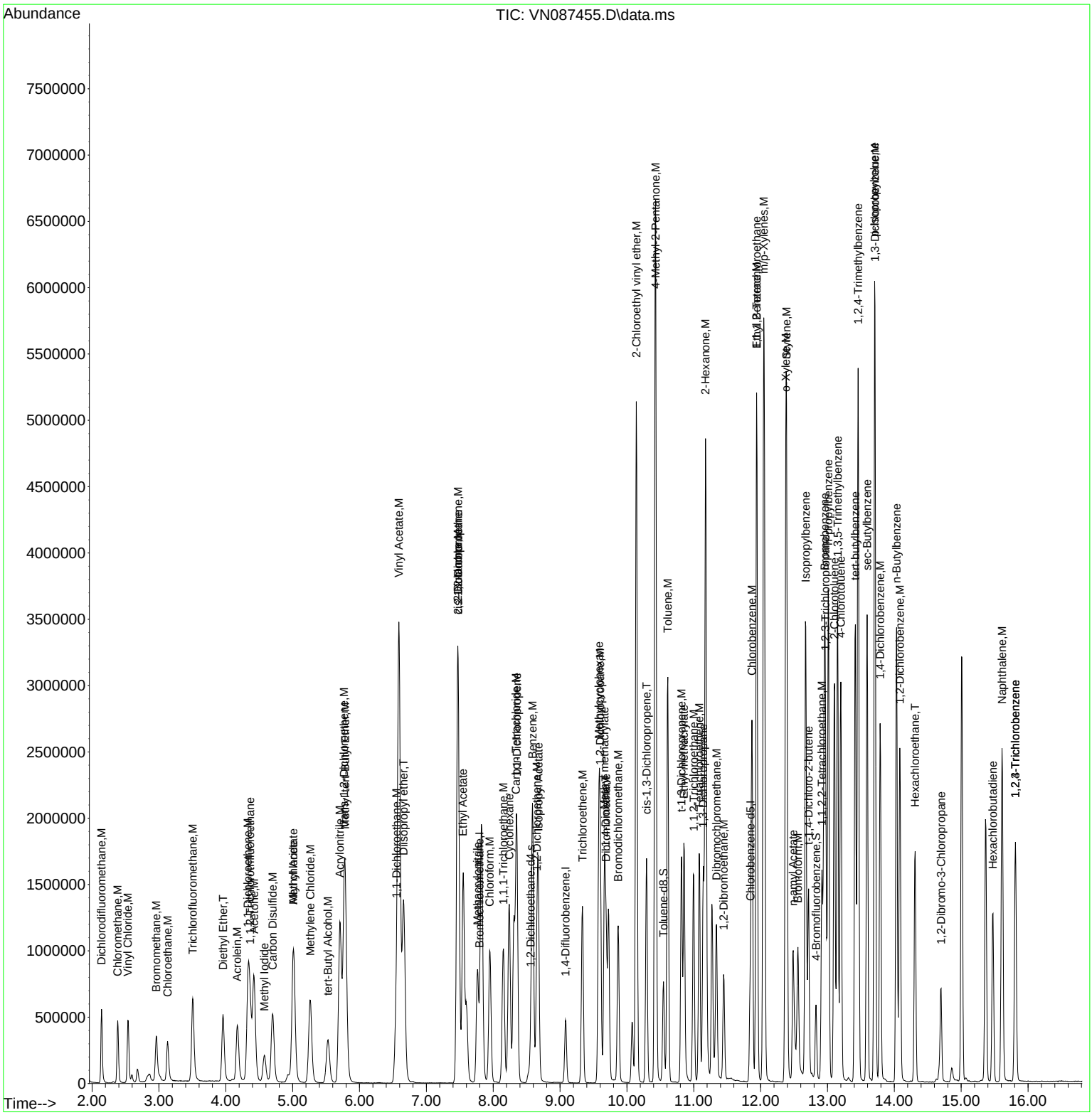
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Aug 06 01:29:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	69078	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	387583	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	364557	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	189674	29.770	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.233%			
60) 4-Bromofluorobenzene	12.829	95	185190	29.518	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.400%			
63) Toluene-d8	10.547	98	486934	29.029	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 96.767%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	723378	160.391	ug/l	98
3) Chloromethane	2.383	50	725628	156.816	ug/l	99
4) Vinyl Chloride	2.542	62	763252	155.517	ug/l	98
5) Bromomethane	2.948	94	445899	167.854	ug/l	88
6) Chloroethane	3.124	64	492727	155.693	ug/l	98
7) Trichlorofluoromethane	3.506	101	1085005	153.614	ug/l	95
8) Diethyl Ether	3.959	74	454480	154.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.359	101	551904	153.229	ug/l	90
10) 1,1-Dichloroethene	4.330	96	595776	157.473	ug/l	97
11) Methyl Iodide	4.577	142	615618	207.681	ug/l	96
12) Methyl Acetate	5.012	43	1117123	160.008	ug/l	96
13) Acrolein	4.171	56	885350	830.485	ug/l	100
14) Acrylonitrile	5.706	53	2386034	782.650	ug/l	99
15) Acetone	4.424	58	624281	716.676	ug/l	93
16) Carbon Disulfide	4.700	76	1818928	154.990	ug/l	99
17) Allyl chloride	5.006	41	1219550	158.149	ug/l	96
18) Methylene Chloride	5.259	84	741791	152.333	ug/l	96
19) trans-1,2-Dichloroethene	5.771	96	697274	154.982	ug/l	97
20) Diisopropyl ether	6.659	45	2747446	156.466	ug/l	98
21) 1,1-Dichloroethane	6.553	63	1407817	155.035	ug/l	99
22) cis-1,2-Dichloroethene	7.471	96	860976	155.531	ug/l	99
23) tert-Butyl Alcohol	5.530	59	986070	761.173	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	2719481	157.748	ug/l	98
25) Chloroform	7.947	83	1478128	155.945	ug/l	97
26) Cyclohexane	8.235	56	1125305	154.779	ug/l #	98
29) 1,1-Dichloropropene	8.353	75	964808	152.623	ug/l	98
30) 2-Butanone	7.471	43	3513639	754.051	ug/l	99
31) 2,2-Dichloropropane	7.471	77	1224801	150.224	ug/l	100
32) 1,1,1-Trichloroethane	8.153	97	1249167	154.937	ug/l	96
33) Carbon Tetrachloride	8.347	117	1036608	154.768	ug/l	94
34) Benzene	8.588	78	3070072	153.850	ug/l	98
35) Methacrylonitrile	7.765	41	743083	147.778	ug/l	97
36) 1,2-Dichloroethane	8.653	62	1229451	152.417	ug/l	99
37) Trichloroethene	9.335	130	671378	152.738	ug/l	95
38) Methylcyclohexane	9.582	83	1115098	152.053	ug/l	98
39) 1,2-Dichloropropane	9.600	63	775438	151.562	ug/l	98
40) Dibromomethane	9.688	93	586203	152.708	ug/l	97
41) Bromodichloromethane	9.871	83	1228566	154.020	ug/l	96
42) Vinyl Acetate	6.588	43	11742175	765.203	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	1387131	156.385	ug/l		98
44) Isopropyl Acetate	8.671	43	2332673	152.869	ug/l		99
45) 1,4-Dioxane	9.682	88	293747	3019.679	ug/l	#	93
46) Methyl methacrylate	9.665	41	1134360	157.486	ug/l		96
47) n-amyl Acetate	12.482	43	1594700	207.839	ug/l	#	59
48) t-1,3-Dichloropropene	10.818	75	1360863	156.815	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	1364130	156.195	ug/l		96
50) 1,1,2-Trichloroethane	10.994	97	751367	154.919	ug/l		97
51) Ethyl methacrylate	10.853	69	1388488	162.554	ug/l		99
52) 1,3-Dichloropropane	11.141	76	1349103	154.396	ug/l		99
53) Dibromochloromethane	11.341	129	890655	159.011	ug/l		99
54) 1,2-Dibromoethane	11.447	107	801234	155.619	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	3422234	761.062	ug/l		99
56) Bromoform	12.559	173	604236	163.094	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	6842960	729.674	ug/l		98
59) 2-Hexanone	11.176	43	4970555	780.064	ug/l		100
61) Tetrachloroethene	11.082	164	527237	148.447	ug/l		97
62) Toluene	10.612	91	3345117	148.669	ug/l		100
64) Chlorobenzene	11.870	112	2069135	149.658	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	721459	148.418	ug/l		99
66) Ethyl Benzene	11.941	91	3762645	150.033	ug/l		98
67) m/p-Xylenes	12.053	106	2745929	298.294	ug/l		98
68) o-Xylene	12.376	106	1358102	149.962	ug/l		99
69) Styrene	12.388	104	2382097	154.045	ug/l		99
70) Isopropylbenzene	12.676	105	3492470	151.792	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	1145045	145.247	ug/l		98
72) 1,2,3-Trichloropropane	12.970	75	1117688m	137.926	ug/l		
73) Bromobenzene	12.959	156	798843	149.771	ug/l		99
74) n-propylbenzene	13.012	91	4261831	148.316	ug/l		100
75) 2-Chlorotoluene	13.106	91	2596357	146.890	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	2914301	147.934	ug/l		99
77) t-1,4-Dichloro-2-butene	12.717	75	466370	167.752	ug/l		89
78) 4-Chlorotoluene	13.200	91	2683008	149.787	ug/l		99
79) tert-butylbenzene	13.417	119	2427930	146.177	ug/l		96
80) 1,2,4-Trimethylbenzene	13.459	105	2936296	149.164	ug/l		99
81) sec-Butylbenzene	13.594	105	3544404	146.583	ug/l		99
82) p-Isopropyltoluene	13.706	119	2934141	146.146	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	1508514	148.523	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	1521926	147.799	ug/l		100
85) n-Butylbenzene	14.035	91	2920119	148.660	ug/l		99
86) Hexachloroethane	14.311	117	595863	151.982	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	1446749	149.224	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	299287	149.861	ug/l		96
89) 1,2,4-Trichlorobenzene	15.811	180	893366	154.184	ug/l		99
90) Hexachlorobutadiene	15.476	225	317783	141.046	ug/l		96
91) Naphthalene	15.611	128	3431814	155.335	ug/l		100
92) 1,2,3-Trichlorobenzene	15.811	180	893366	154.184	ug/l		99

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

ICAL Form

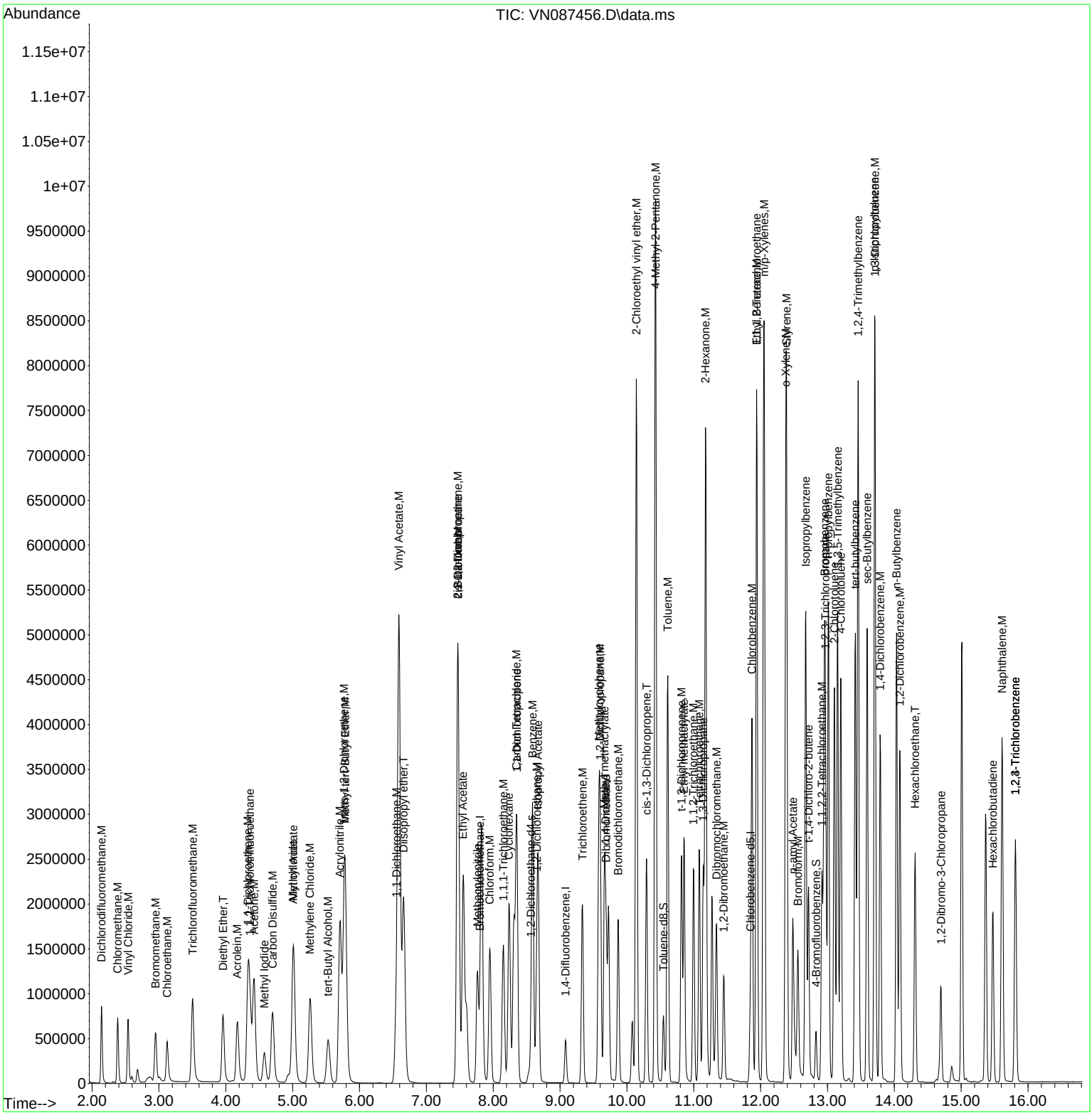
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Aug 06 01:30:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 01:24:35 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	71823	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	404390	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	367577	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	202347	30.545	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.800%			
60) 4-Bromofluorobenzene	12.829	95	192410	30.417	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 101.400%			
63) Toluene-d8	10.547	98	513267	30.347	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.167%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	87746	18.712	ug/l	98
3) Chloromethane	2.383	50	85826	17.839	ug/l	97
4) Vinyl Chloride	2.542	62	97923	19.190	ug/l	92
5) Bromomethane	2.983	94	53929	19.525	ug/l	85
6) Chloroethane	3.142	64	59300	18.022	ug/l	96
7) Trichlorofluoromethane	3.506	101	133795	18.219	ug/l	100
8) Diethyl Ether	3.959	74	56065	18.325	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	68759	18.360	ug/l	88
10) 1,1-Dichloroethene	4.336	96	71378	18.145	ug/l	90
11) Methyl Iodide	4.583	142	48013	15.501	ug/l	96
12) Methyl Acetate	5.018	43	133791	18.431	ug/l	95
13) Acrolein	4.177	56	114938	103.668	ug/l	98
14) Acrylonitrile	5.712	53	287956	90.843	ug/l	98
15) Acetone	4.424	58	88879	98.134	ug/l	96
16) Carbon Disulfide	4.706	76	219977	18.028	ug/l	99
17) Allyl chloride	5.018	41	149799	18.683	ug/l	88
18) Methylene Chloride	5.265	84	93115	18.387	ug/l	96
19) trans-1,2-Dichloroethene	5.765	96	83760	17.906	ug/l	96
20) Diisopropyl ether	6.659	45	327254	17.917	ug/l	99
21) 1,1-Dichloroethane	6.559	63	171210	18.134	ug/l	98
22) cis-1,2-Dichloroethene	7.471	96	103737	18.023	ug/l	100
23) tert-Butyl Alcohol	5.530	59	128000	95.030	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	324724	18.116	ug/l	98
25) Chloroform	7.953	83	177598	18.021	ug/l	94
26) Cyclohexane	8.241	56	135890	17.977	ug/l #	99
29) 1,1-Dichloropropene	8.353	75	117565	17.825	ug/l	98
30) 2-Butanone	7.471	43	435716	89.621	ug/l	99
31) 2,2-Dichloropropane	7.477	77	158483	18.630	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	151313	17.988	ug/l	96
33) Carbon Tetrachloride	8.347	117	124231	17.777	ug/l	93
34) Benzene	8.588	78	376019	18.060	ug/l	95
35) Methacrylonitrile	7.765	41	95290	18.163	ug/l	96
36) 1,2-Dichloroethane	8.653	62	150784	17.918	ug/l	99
37) Trichloroethene	9.335	130	82742	18.041	ug/l	97
38) Methylcyclohexane	9.582	83	136830	17.882	ug/l	98
39) 1,2-Dichloropropane	9.600	63	94981	17.793	ug/l	96
40) Dibromomethane	9.688	93	69241	17.288	ug/l	93
41) Bromodichloromethane	9.871	83	146339	17.583	ug/l	98
42) Vinyl Acetate	6.589	43	1423556	88.913	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	171684	18.279	ug/l		99
44) Isopropyl Acetate	8.677	43	278498	17.492	ug/l		100
45) 1,4-Dioxane	9.677	88	38322	377.572	ug/l		98
46) Methyl methacrylate	9.665	41	127548	16.972	ug/l		92
47) n-amyl Acetate	12.523	43	146094m	16.611	ug/l		
48) t-1,3-Dichloropropene	10.818	75	157686	17.415	ug/l		96
49) cis-1,3-Dichloropropene	10.294	75	162308	17.812	ug/l		99
50) 1,1,2-Trichloroethane	10.994	97	90030	17.791	ug/l		93
51) Ethyl methacrylate	10.859	69	153822	17.260	ug/l		95
52) 1,3-Dichloropropane	11.141	76	161040	17.664	ug/l		99
53) Dibromochloromethane	11.335	129	101996	17.453	ug/l		98
54) 1,2-Dibromoethane	11.453	107	93933	17.486	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	443163	94.458	ug/l		99
56) Bromoform	12.559	173	65682	16.992	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	848509	89.734	ug/l		100
59) 2-Hexanone	11.182	43	570046	88.726	ug/l		100
61) Tetrachloroethene	11.082	164	64788	18.092	ug/l		96
62) Toluene	10.612	91	405628	17.879	ug/l		100
64) Chlorobenzene	11.871	112	248284	17.811	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	85480	17.440	ug/l		98
66) Ethyl Benzene	11.941	91	452435	17.892	ug/l		100
67) m/p-Xylenes	12.053	106	323616	34.866	ug/l		100
68) o-Xylene	12.376	106	159060	17.419	ug/l		100
69) Styrene	12.394	104	269120	17.260	ug/l		98
70) Isopropylbenzene	12.676	105	412806	17.794	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	140546	17.682	ug/l		100
72) 1,2,3-Trichloropropane	12.976	75	120488m	16.271	ug/l		
73) Bromobenzene	12.959	156	91029	16.926	ug/l		96
74) n-propylbenzene	13.012	91	521263	17.991	ug/l		99
75) 2-Chlorotoluene	13.106	91	315743	17.717	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	356748	17.960	ug/l		100
77) t-1,4-Dichloro-2-butene	12.723	75	47247	16.855	ug/l		90
78) 4-Chlorotoluene	13.200	91	327647	18.142	ug/l		99
79) tert-butylbenzene	13.417	119	299129	17.861	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	358425	18.058	ug/l		98
81) sec-Butylbenzene	13.594	105	447713	18.364	ug/l		99
82) p-Isopropyltoluene	13.706	119	367898	18.174	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	187078	18.268	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	188698	18.174	ug/l		99
85) n-Butylbenzene	14.035	91	370033	18.683	ug/l		99
86) Hexachloroethane	14.312	117	69621	17.612	ug/l		95
87) 1,2-Dichlorobenzene	14.082	146	178646	18.275	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.694	75	35995	17.876	ug/l		99
89) 1,2,4-Trichlorobenzene	15.811	180	107490	18.399	ug/l		99
90) Hexachlorobutadiene	15.476	225	42365	18.649	ug/l		95
91) Naphthalene	15.611	128	404839	18.174	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	107490	18.399	ug/l		99

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

ICAL Form

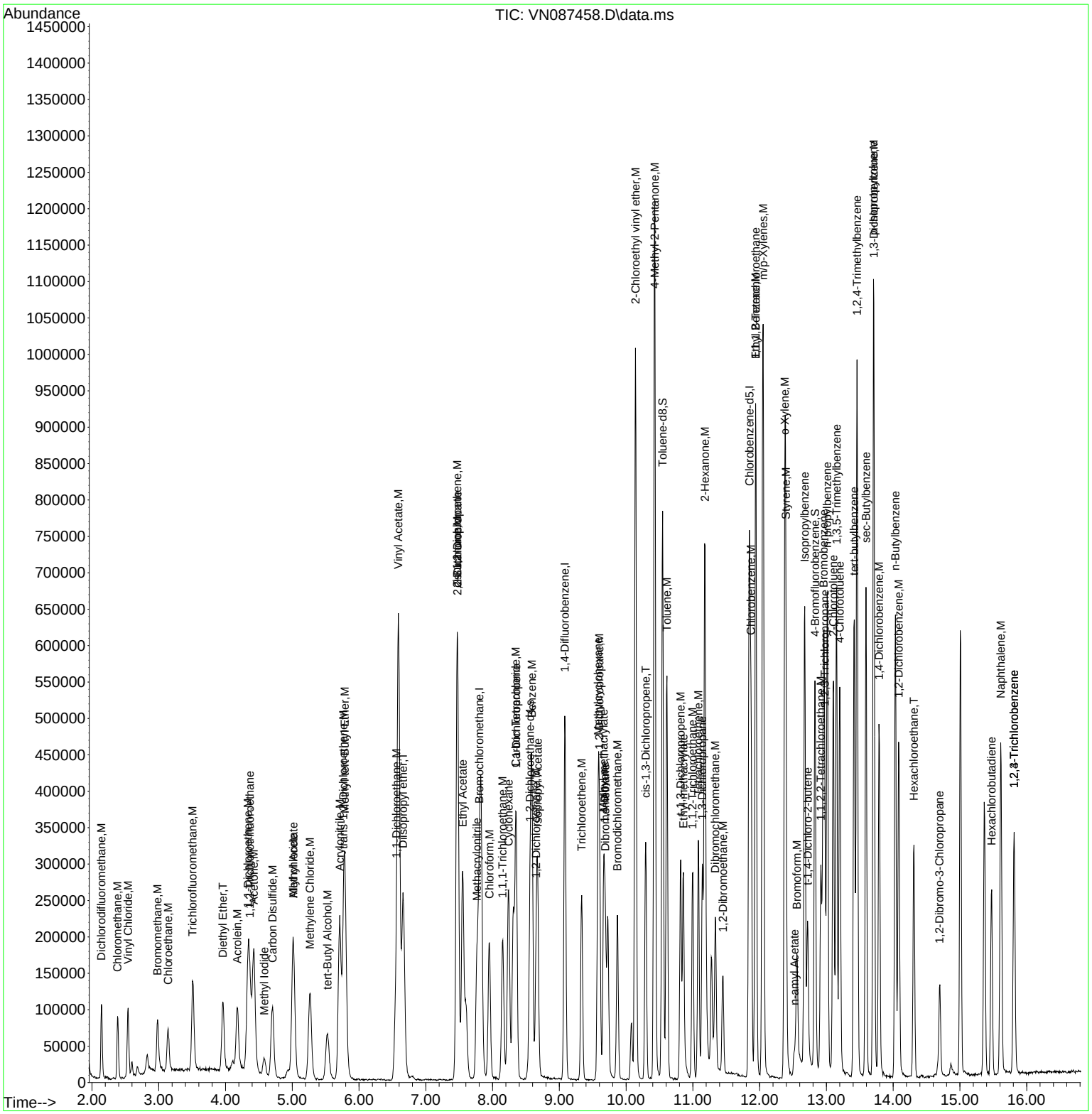
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Manual Integrations APPROVED

Reviewed By :John Carlone 08/06/2025
Supervised By :Mahesh Dadoda 08/06/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	112	0.00
2	M	Dichlorodifluoromethane	1.959	1.833	6.4	99	0.00
3	M	Chloromethane	2.010	1.792	10.8	93	0.00
4	M	Vinyl Chloride	2.131	2.045	4.0	100	0.00
5	M	Bromomethane	1.154	1.126	2.4	109	0.00
6	M	Chloroethane	1.374	1.238	9.9	96	0.00
7	M	Trichlorofluoromethane	3.067	2.794	8.9	97	0.00
8	T	Diethyl Ether	1.278	1.171	8.4	99	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.436	8.2	101	0.00
10	M	1,1-Dichloroethene	1.643	1.491	9.3	96	0.00
11		Methyl Iodide	1.294	1.003	22.5	104	0.00
12		Methyl Acetate	3.032	2.794	7.8	101	0.00
13	M	Acrolein	0.463	0.480	-3.7	116	0.00
14	M	Acrylonitrile	1.324	1.203	9.1	99	0.00
15	M	Acetone	0.378	0.371	1.9	99	0.00
16	M	Carbon Disulfide	5.097	4.594	9.9	99	0.00
17		Allyl chloride	3.349	3.129	6.6	104	0.00
18	M	Methylene Chloride	2.115	1.945	8.0	100	0.00
19	M	trans-1,2-Dichloroethene	1.954	1.749	10.5	97	0.00
20	T	Diisopropyl ether	7.629	6.835	10.4	98	0.00
21	M	1,1-Dichloroethane	3.944	3.576	9.3	96	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.167	9.9	97	0.00
23	M	tert-Butyl Alcohol	0.563	0.535	5.0	105	0.01
24	M	Methyl tert-Butyl Ether	7.487	6.782	9.4	99	0.00
25	M	Chloroform	4.116	3.709	9.9	98	0.00
26		Cyclohexane	3.157	2.838	10.1	95	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.817	-1.8	111	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	110	0.00
29		1,1-Dichloropropene	0.489	0.436	10.8	98	0.00
30	M	2-Butanone	0.361	0.323	10.5	98	0.00
31		2,2-Dichloropropane	0.631	0.588	6.8	101	0.00
32	M	1,1,1-Trichloroethane	0.624	0.561	10.1	100	0.00
33	M	Carbon Tetrachloride	0.518	0.461	11.0	98	0.00
34	M	Benzene	1.545	1.395	9.7	100	0.00
35		Methacrylonitrile	0.389	0.353	9.3	98	0.00
36	M	1,2-Dichloroethane	0.624	0.559	10.4	97	0.00
37	M	Trichloroethene	0.340	0.307	9.7	98	0.00
38		Methylcyclohexane	0.568	0.508	10.6	98	0.00
39	M	1,2-Dichloropropane	0.396	0.352	11.1	97	0.00
40		Dibromomethane	0.297	0.257	13.5	94	0.00
41	M	Bromodichloromethane	0.617	0.543	12.0	99	0.00
42	M	Vinyl Acetate	1.188	1.056	11.1	96	0.00
43		Ethyl Acetate	0.697	0.637	8.6	100	0.00
44		Isopropyl Acetate	1.181	1.033	12.5	96	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	101	0.00
46		Methyl methacrylate	0.558	0.473	15.2	93	0.00
47		n-amyl Acetate	0.652	0.542	16.9	106	0.00
48	M	t-1,3-Dichloropropene	0.672	0.585	12.9	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	0.676	0.602	10.9	100	0.00
50	M	1,1,2-Trichloroethane	0.375	0.334	10.9	98	0.00
51		Ethyl methacrylate	0.661	0.571	13.6	96	0.00
52		1,3-Dichloropropane	0.676	0.597	11.7	97	0.00
53	M	Dibromochloromethane	0.434	0.378	12.9	98	0.00
54	M	1,2-Dibromoethane	0.399	0.348	12.8	96	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.329	5.5	104	0.00
56	M	Bromoform	0.287	0.244	15.0	97	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.693	10.2	97	0.00
59	M	2-Hexanone	0.524	0.465	11.3	99	0.00
60	S	4-Bromofluorobenzene	0.516	0.523	-1.4	113	0.00
61	M	Tetrachloroethene	0.292	0.264	9.6	101	0.00
62	M	Toluene	1.852	1.655	10.6	97	0.00
63	S	Toluene-d8	1.380	1.396	-1.2	113	0.00
64	M	Chlorobenzene	1.138	1.013	11.0	98	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.349	12.8	97	0.00
66	M	Ethyl Benzene	2.064	1.846	10.6	98	0.00
67	M	m/p-Xylenes	0.758	0.660	12.9	96	0.00
68	M	o-Xylene	0.745	0.649	12.9	97	0.00
69	M	Styrene	1.273	1.098	13.7	95	0.00
70		Isopropylbenzene	1.893	1.685	11.0	98	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.574	11.6	95	0.00
72		1,2,3-Trichloropropane	0.604	0.492	18.5	97	0.00
73		Bromobenzene	0.439	0.371	15.5	95	0.00
74		n-propylbenzene	2.365	2.127	10.1	99	0.00
75		2-Chlorotoluene	1.455	1.288	11.5	97	0.00
76		1,3,5-Trimethylbenzene	1.621	1.456	10.2	98	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.193	15.7	100	0.00
78		4-Chlorotoluene	1.474	1.337	9.3	102	0.00
79		tert-butylbenzene	1.367	1.221	10.7	98	0.00
80		1,2,4-Trimethylbenzene	1.620	1.463	9.7	100	0.00
81		sec-Butylbenzene	1.990	1.827	8.2	100	0.00
82		p-Isopropyltoluene	1.652	1.501	9.1	99	0.00
83	M	1,3-Dichlorobenzene	0.836	0.763	8.7	100	0.00
84	M	1,4-Dichlorobenzene	0.847	0.770	9.1	99	0.00
85		n-Butylbenzene	1.616	1.510	6.6	102	0.00
86	T	Hexachloroethane	0.323	0.284	12.1	98	0.00
87	M	1,2-Dichlorobenzene	0.798	0.729	8.6	100	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.147	10.4	97	0.00
89		1,2,4-Trichlorobenzene	0.477	0.439	8.0	103	0.00
90		Hexachlorobutadiene	0.185	0.173	6.5	103	0.00
91	M	Naphthalene	1.818	1.652	9.1	101	0.00
92		1,2,3-Trichlorobenzene	0.477	0.439	8.0	103	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\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	112	0.00
2	M	Dichlorodifluoromethane	20.000	18.712	6.4	99	0.00
3	M	Chloromethane	20.000	17.839	10.8	93	0.00
4	M	Vinyl Chloride	20.000	19.190	4.0	100	0.00
5	M	Bromomethane	20.000	19.525	2.4	109	0.00
6	M	Chloroethane	20.000	18.022	9.9	96	0.00
7	M	Trichlorofluoromethane	20.000	18.219	8.9	97	0.00
8	T	Diethyl Ether	20.000	18.325	8.4	99	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	18.360	8.2	101	0.00
10	M	1,1-Dichloroethene	20.000	18.145	9.3	96	0.00
11		Methyl Iodide	20.000	15.501	22.5	104	0.00
12		Methyl Acetate	20.000	18.431	7.8	101	0.00
13	M	Acrolein	100.000	103.668	-3.7	116	0.00
14	M	Acrylonitrile	100.000	90.843	9.2	99	0.00
15	M	Acetone	100.000	98.134	1.9	99	0.00
16	M	Carbon Disulfide	20.000	18.028	9.9	99	0.00
17		Allyl chloride	20.000	18.683	6.6	104	0.00
18	M	Methylene Chloride	20.000	18.387	8.1	100	0.00
19	M	trans-1,2-Dichloroethene	20.000	17.906	10.5	97	0.00
20	T	Diisopropyl ether	20.000	17.917	10.4	98	0.00
21	M	1,1-Dichloroethane	20.000	18.134	9.3	96	0.00
22	M	cis-1,2-Dichloroethene	20.000	18.023	9.9	97	0.00
23	M	tert-Butyl Alcohol	100.000	95.030	5.0	105	0.01
24	M	Methyl tert-Butyl Ether	20.000	18.116	9.4	99	0.00
25	M	Chloroform	20.000	18.021	9.9	98	0.00
26		Cyclohexane	20.000	17.977	10.1	95	0.00
27	s	1,2-Dichloroethane-d4	30.000	30.545	-1.8	111	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	110	0.00
29		1,1-Dichloropropene	20.000	17.825	10.9	98	0.00
30	M	2-Butanone	100.000	89.621	10.4	98	0.00
31		2,2-Dichloropropane	20.000	18.630	6.9	101	0.00
32	M	1,1,1-Trichloroethane	20.000	17.988	10.1	100	0.00
33	M	Carbon Tetrachloride	20.000	17.777	11.1	98	0.00
34	M	Benzene	20.000	18.060	9.7	100	0.00
35		Methacrylonitrile	20.000	18.163	9.2	98	0.00
36	M	1,2-Dichloroethane	20.000	17.918	10.4	97	0.00
37	M	Trichloroethene	20.000	18.041	9.8	98	0.00
38		Methylcyclohexane	20.000	17.882	10.6	98	0.00
39	M	1,2-Dichloropropane	20.000	17.793	11.0	97	0.00
40		Dibromomethane	20.000	17.288	13.6	94	0.00
41	M	Bromodichloromethane	20.000	17.583	12.1	99	0.00
42	M	Vinyl Acetate	100.000	88.913	11.1	96	0.00
43		Ethyl Acetate	20.000	18.279	8.6	100	0.00
44		Isopropyl Acetate	20.000	17.492	12.5	96	0.00
45	T	1,4-Dioxane	400.000	377.572	5.6	101	0.00
46		Methyl methacrylate	20.000	16.972	15.1	93	0.00
47		n-amyl Acetate	20.000	16.611	16.9	106	0.00
48	M	t-1,3-Dichloropropene	20.000	17.415	12.9	97	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN080525

Quant Time: Aug 06 02:12:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	17.812	10.9	100	0.00
50	M	1,1,2-Trichloroethane	20.000	17.791	11.0	98	0.00
51		Ethyl methacrylate	20.000	17.260	13.7	96	0.00
52		1,3-Dichloropropane	20.000	17.664	11.7	97	0.00
53	M	Dibromochloromethane	20.000	17.453	12.7	98	0.00
54	M	1,2-Dibromoethane	20.000	17.486	12.6	96	0.00
55	M	2-Chloroethyl vinyl ether	100.000	94.458	5.5	104	0.00
56	M	Bromoform	20.000	16.992	15.0	97	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	112	0.00
58	M	4-Methyl-2-Pentanone	100.000	89.734	10.3	97	0.00
59	M	2-Hexanone	100.000	88.726	11.3	99	0.00
60	S	4-Bromofluorobenzene	30.000	30.417	-1.4	113	0.00
61	M	Tetrachloroethene	20.000	18.092	9.5	101	0.00
62	M	Toluene	20.000	17.879	10.6	97	0.00
63	S	Toluene-d8	30.000	30.347	-1.2	113	0.00
64	M	Chlorobenzene	20.000	17.811	10.9	98	0.00
65		1,1,1,2-Tetrachloroethane	20.000	17.440	12.8	97	0.00
66	M	Ethyl Benzene	20.000	17.892	10.5	98	0.00
67	M	m/p-Xylenes	40.000	34.866	12.8	96	0.00
68	M	o-Xylene	20.000	17.419	12.9	97	0.00
69	M	Styrene	20.000	17.260	13.7	95	0.00
70		Isopropylbenzene	20.000	17.794	11.0	98	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	17.682	11.6	95	0.00
72		1,2,3-Trichloropropane	20.000	16.271	18.6	97	0.00
73		Bromobenzene	20.000	16.926	15.4	95	0.00
74		n-propylbenzene	20.000	17.991	10.0	99	0.00
75		2-Chlorotoluene	20.000	17.717	11.4	97	0.00
76		1,3,5-Trimethylbenzene	20.000	17.960	10.2	98	0.00
77		t-1,4-Dichloro-2-butene	20.000	16.855	15.7	100	0.00
78		4-Chlorotoluene	20.000	18.142	9.3	102	0.00
79		tert-butylbenzene	20.000	17.861	10.7	98	0.00
80		1,2,4-Trimethylbenzene	20.000	18.058	9.7	100	0.00
81		sec-Butylbenzene	20.000	18.364	8.2	100	0.00
82		p-Isopropyltoluene	20.000	18.174	9.1	99	0.00
83	M	1,3-Dichlorobenzene	20.000	18.268	8.7	100	0.00
84	M	1,4-Dichlorobenzene	20.000	18.174	9.1	99	0.00
85		n-Butylbenzene	20.000	18.683	6.6	102	0.00
86	T	Hexachloroethane	20.000	17.612	11.9	98	0.00
87	M	1,2-Dichlorobenzene	20.000	18.275	8.6	100	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	17.876	10.6	97	0.00
89		1,2,4-Trichlorobenzene	20.000	18.399	8.0	103	0.00
90		Hexachlorobutadiene	20.000	18.649	6.8	103	0.00
91	M	Naphthalene	20.000	18.174	9.1	101	0.00
92		1,2,3-Trichlorobenzene	20.000	18.399	8.0	103	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	GARD04
Lab Code:	ACE	SDG No.:	Q2790
Instrument ID:	MSVOA_N	Calibration Date/Time:	08/07/2025 10:00
Lab File ID:	VN087483.D	Init. Calib. Date(s):	08/05/2025 08/05/2025
Heated Purge: (Y/N)	N	Init. Calib. Time(s):	13:37 15:01

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

COMPOUND	RRF	RRF020	MIN RRF	%D	MAX%D
Acrolein	0.463	0.588		27	
Acrylonitrile	1.324	1.260		-4.83	
1,2-Dichloroethane-d4	2.767	2.737	0.01	-1.08	
Toluene-d8	1.380	1.399	0.01	1.38	
4-Bromofluorobenzene	0.516	0.509	0.2	-1.36	

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\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	63498	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.083	114	347356	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	314308	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	173800	29.675	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.933%				
60) 4-Bromofluorobenzene	12.829	95	160074	29.594	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.633%				
63) Toluene-d8	10.547	98	439722	30.405	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.367%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	79651	19.213	ug/l		99
3) Chloromethane	2.383	50	83090	19.535	ug/l		97
4) Vinyl Chloride	2.536	62	88915	19.709	ug/l	#	88
5) Bromomethane	2.983	94	48153	19.720	ug/l		90
6) Chloroethane	3.142	64	59921	20.598	ug/l		97
7) Trichlorofluoromethane	3.512	101	122596	18.882	ug/l		90
8) Diethyl Ether	3.965	74	54409	20.115	ug/l		98
9) 1,1,2-Trichlorotrifluo...	4.371	101	64107	19.363	ug/l		96
10) 1,1-Dichloroethene	4.336	96	69879	20.093	ug/l		97
11) Methyl Iodide	4.583	142	37866	13.828	ug/l		98
12) Methyl Acetate	5.024	43	131343m	20.466	ug/l		
13) Acrolein	4.177	56	124360	126.872	ug/l		99
14) Acrylonitrile	5.712	53	266629	95.143	ug/l		98
15) Acetone	4.424	58	84594	105.648	ug/l		100
16) Carbon Disulfide	4.700	76	201654	18.693	ug/l		98
17) Allyl chloride	5.006	41	138847m	19.588	ug/l		
18) Methylene Chloride	5.259	84	87779	19.606	ug/l	#	88
19) trans-1,2-Dichloroethene	5.777	96	76991	18.616	ug/l		96
20) Diisopropyl ether	6.659	45	301613	18.678	ug/l		94
21) 1,1-Dichloroethane	6.553	63	161023	19.291	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	98213	19.301	ug/l		99
23) tert-Butyl Alcohol	5.524	59	111260	93.432	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	303730	19.167	ug/l		99
25) Chloroform	7.953	83	171872	19.726	ug/l		95
26) Cyclohexane	8.236	56	129047	19.309	ug/l	#	99
29) 1,1-Dichloropropene	8.353	75	109644	19.353	ug/l		98
30) 2-Butanone	7.471	43	419749	100.513	ug/l		99
31) 2,2-Dichloropropane	7.471	77	146812	20.092	ug/l		100
32) 1,1,1-Trichloroethane	8.153	97	141241	19.547	ug/l		97
33) Carbon Tetrachloride	8.347	117	114261	19.035	ug/l		98
34) Benzene	8.588	78	353413	19.762	ug/l		98
35) Methacrylonitrile	7.765	41	90032	19.978	ug/l		93
36) 1,2-Dichloroethane	8.653	62	142980	19.781	ug/l		100
37) Trichloroethene	9.335	130	78361	19.892	ug/l		84
38) Methylcyclohexane	9.582	83	120863	18.389	ug/l		98
39) 1,2-Dichloropropane	9.606	63	91199	19.889	ug/l		97
40) Dibromomethane	9.688	93	66010	19.187	ug/l		95
41) Bromodichloromethane	9.871	83	140866	19.705	ug/l		100
42) Vinyl Acetate	6.589	43	1350521	98.202	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	159330	19.749	ug/l		99
44) Isopropyl Acetate	8.677	43	266220	19.467	ug/l		100
45) 1,4-Dioxane	9.682	88	34093	391.059	ug/l		96
46) Methyl methacrylate	9.665	41	107778	16.696	ug/l		91
47) n-amyl Acetate	12.523	43	126438m	16.736	ug/l		
48) t-1,3-Dichloropropene	10.818	75	147956	19.024	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	155969	19.927	ug/l		97
50) 1,1,2-Trichloroethane	10.994	97	86709	19.948	ug/l		98
51) Ethyl methacrylate	10.859	69	147415	19.257	ug/l		97
52) 1,3-Dichloropropane	11.147	76	156131	19.937	ug/l		99
53) Dibromochloromethane	11.341	129	98080	19.538	ug/l		96
54) 1,2-Dibromoethane	11.447	107	90449	19.602	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	346444	85.967	ug/l		99
56) Bromoform	12.559	173	60780	18.306	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	812035	100.431	ug/l		100
59) 2-Hexanone	11.182	43	535992	97.565	ug/l		98
61) Tetrachloroethene	11.082	164	60076	19.619	ug/l		93
62) Toluene	10.612	91	385997	19.898	ug/l		98
64) Chlorobenzene	11.871	112	236023	19.800	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	83140	19.838	ug/l		98
66) Ethyl Benzene	11.941	91	424869	19.650	ug/l		99
67) m/p-Xylenes	12.047	106	309782	39.032	ug/l		96
68) o-Xylene	12.376	106	150621	19.291	ug/l		99
69) Styrene	12.394	104	260927	19.571	ug/l		99
70) Isopropylbenzene	12.676	105	382726	19.294	ug/l		98
71) 1,1,2,2-Tetrachloroethane	12.918	83	135822	19.983	ug/l		99
72) 1,2,3-Trichloropropane	12.976	75	134943m	21.312	ug/l		
73) Bromobenzene	12.959	156	90923	19.772	ug/l		97
74) n-propylbenzene	13.012	91	485735	19.607	ug/l		99
75) 2-Chlorotoluene	13.106	91	296250	19.440	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	331231	19.502	ug/l		99
77) t-1,4-Dichloro-2-butene	12.718	75	41109	17.151	ug/l		90
78) 4-Chlorotoluene	13.200	91	307564	19.916	ug/l		97
79) tert-butylbenzene	13.418	119	271425	18.954	ug/l		96
80) 1,2,4-Trimethylbenzene	13.459	105	333488	19.650	ug/l		100
81) sec-Butylbenzene	13.594	105	408532	19.596	ug/l		100
82) p-Isopropyltoluene	13.706	119	330199	19.076	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	173251	19.785	ug/l		99
84) 1,4-Dichlorobenzene	13.788	146	176355	19.864	ug/l		100
85) n-Butylbenzene	14.035	91	331418	19.569	ug/l		98
86) Hexachloroethane	14.312	117	63828	18.883	ug/l		98
87) 1,2-Dichlorobenzene	14.088	146	167238	20.007	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	33978	19.734	ug/l		97
89) 1,2,4-Trichlorobenzene	15.811	180	93029	18.623	ug/l		98
90) Hexachlorobutadiene	15.476	225	34638	17.832	ug/l		93
91) Naphthalene	15.611	128	363447	19.081	ug/l		100
92) 1,2,3-Trichlorobenzene	15.811	180	93029	18.623	ug/l		98

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

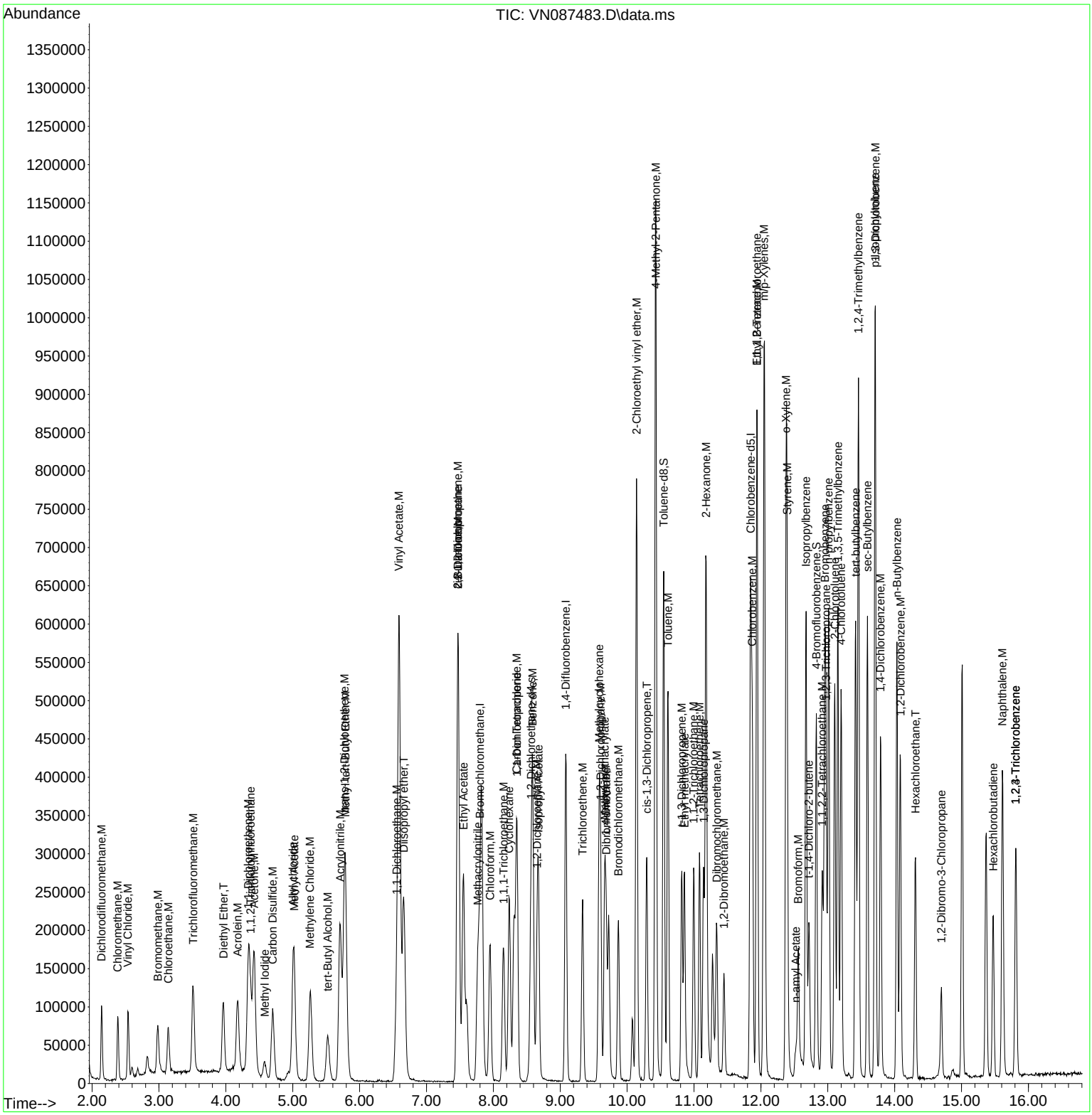
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC020

Manual Integrations APPROVED

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



Sample Results: **VN087483.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	99	0.00
2	M	Dichlorodifluoromethane	1.959	1.882	3.9	90	0.00
3	M	Chloromethane	2.010	1.963	2.3	90	0.00
4	M	Vinyl Chloride	2.131	2.100	1.5	91	0.00
5	M	Bromomethane	1.154	1.138	1.4	97	0.00
6	M	Chloroethane	1.374	1.416	-3.1	97	0.00
7	M	Trichlorofluoromethane	3.067	2.896	5.6	89	0.00
8	T	Diethyl Ether	1.278	1.285	-0.5	96	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.514	3.2	94	0.00
10	M	1,1-Dichloroethene	1.643	1.651	-0.5	94	0.00
11		Methyl Iodide	1.294	0.895	30.8#	82	0.00
12		Methyl Acetate	3.032	3.103	-2.3	99	0.00
13	M	Acrolein	0.463	0.588	-27.0#	125	0.00
14	M	Acrylonitrile	1.324	1.260	4.8	92	0.00
15	M	Acetone	0.378	0.400	-5.8	95	0.00
16	M	Carbon Disulfide	5.097	4.764	6.5	91	0.00
17		Allyl chloride	3.349	3.280	2.1	96	0.00
18	M	Methylene Chloride	2.115	2.074	1.9	95	-0.01
19	M	trans-1,2-Dichloroethene	1.954	1.819	6.9	89	0.00
20	T	Diisopropyl ether	7.629	7.125	6.6	90	0.00
21	M	1,1-Dichloroethane	3.944	3.804	3.5	91	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.320	3.5	92	0.00
23	M	tert-Butyl Alcohol	0.563	0.526	6.6	91	0.00
24	M	Methyl tert-Butyl Ether	7.487	7.175	4.2	93	0.00
25	M	Chloroform	4.116	4.060	1.4	95	0.00
26		Cyclohexane	3.157	3.048	3.5	91	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.737	1.1	95	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	95	0.00
29		1,1-Dichloropropene	0.489	0.473	3.3	91	0.00
30	M	2-Butanone	0.361	0.363	-0.6	94	0.00
31		2,2-Dichloropropane	0.631	0.634	-0.5	94	0.00
32	M	1,1,1-Trichloroethane	0.624	0.610	2.2	93	0.00
33	M	Carbon Tetrachloride	0.518	0.493	4.8	90	0.00
34	M	Benzene	1.545	1.526	1.2	94	0.00
35		Methacrylonitrile	0.389	0.389	0.0	92	0.00
36	M	1,2-Dichloroethane	0.624	0.617	1.1	92	0.00
37	M	Trichloroethene	0.340	0.338	0.6	93	0.00
38		Methylcyclohexane	0.568	0.522	8.1	86	0.00
39	M	1,2-Dichloropropane	0.396	0.394	0.5	93	0.00
40		Dibromomethane	0.297	0.285	4.0	90	0.00
41	M	Bromodichloromethane	0.617	0.608	1.5	95	0.00
42	M	Vinyl Acetate	1.188	1.166	1.9	91	0.00
43		Ethyl Acetate	0.697	0.688	1.3	93	0.00
44		Isopropyl Acetate	1.181	1.150	2.6	91	0.00
45	T	1,4-Dioxane	0.008	0.007	12.5	90	0.00
46		Methyl methacrylate	0.558	0.465	16.7	79	0.00
47		n-amyl Acetate	0.652	0.546	16.3	91	0.00
48	M	t-1,3-Dichloropropene	0.672	0.639	4.9	91	0.00

Sample Results: **VN087483.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	0.676	0.674	0.3	96	0.00
50	M	1,1,2-Trichloroethane	0.375	0.374	0.3	94	0.00
51		Ethyl methacrylate	0.661	0.637	3.6	92	0.00
52		1,3-Dichloropropane	0.676	0.674	0.3	94	0.00
53	M	Dibromochloromethane	0.434	0.424	2.3	94	0.00
54	M	1,2-Dibromoethane	0.399	0.391	2.0	92	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.299	14.1	81	0.00
56	M	Bromoform	0.287	0.262	8.7	90	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.775	-0.4	93	0.00
59	M	2-Hexanone	0.524	0.512	2.3	93	0.00
60	S	4-Bromofluorobenzene	0.516	0.509	1.4	94	0.00
61	M	Tetrachloroethene	0.292	0.287	1.7	94	0.00
62	M	Toluene	1.852	1.842	0.5	93	0.00
63	S	Toluene-d8	1.380	1.399	-1.4	97	0.00
64	M	Chlorobenzene	1.138	1.126	1.1	93	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.397	0.8	94	0.00
66	M	Ethyl Benzene	2.064	2.028	1.7	92	0.00
67	M	m/p-Xylenes	0.758	0.739	2.5	92	0.00
68	M	o-Xylene	0.745	0.719	3.5	91	0.00
69	M	Styrene	1.273	1.245	2.2	92	0.00
70		Isopropylbenzene	1.893	1.827	3.5	90	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.648	0.2	92	0.00
72		1,2,3-Trichloropropane	0.604	0.644	-6.6	109	0.00
73		Bromobenzene	0.439	0.434	1.1	95	0.00
74		n-propylbenzene	2.365	2.318	2.0	92	0.00
75		2-Chlorotoluene	1.455	1.414	2.8	91	0.00
76		1,3,5-Trimethylbenzene	1.621	1.581	2.5	91	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.196	14.4	87	0.00
78		4-Chlorotoluene	1.474	1.468	0.4	95	0.00
79		tert-butylbenzene	1.367	1.295	5.3	89	0.00
80		1,2,4-Trimethylbenzene	1.620	1.592	1.7	93	0.00
81		sec-Butylbenzene	1.990	1.950	2.0	91	0.00
82		p-Isopropyltoluene	1.652	1.576	4.6	89	0.00
83	M	1,3-Dichlorobenzene	0.836	0.827	1.1	93	0.00
84	M	1,4-Dichlorobenzene	0.847	0.842	0.6	93	0.00
85		n-Butylbenzene	1.616	1.582	2.1	91	0.00
86	T	Hexachloroethane	0.323	0.305	5.6	90	0.00
87	M	1,2-Dichlorobenzene	0.798	0.798	0.0	93	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.162	1.2	91	0.00
89		1,2,4-Trichlorobenzene	0.477	0.444	6.9	89	0.00
90		Hexachlorobutadiene	0.185	0.165	10.8	84	0.00
91	M	Naphthalene	1.818	1.735	4.6	90	0.00
92		1,2,3-Trichlorobenzene	0.477	0.444	6.9	89	0.00

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

Sample Results: **VN087483.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	99	0.00
2	M	Dichlorodifluoromethane	20.000	19.213	3.9	90	0.00
3	M	Chloromethane	20.000	19.535	2.3	90	0.00
4	M	Vinyl Chloride	20.000	19.709	1.5	91	0.00
5	M	Bromomethane	20.000	19.720	1.4	97	0.00
6	M	Chloroethane	20.000	20.598	-3.0	97	0.00
7	M	Trichlorofluoromethane	20.000	18.882	5.6	89	0.00
8	T	Diethyl Ether	20.000	20.115	-0.6	96	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.363	3.2	94	0.00
10	M	1,1-Dichloroethene	20.000	20.093	-0.5	94	0.00
11		Methyl Iodide	20.000	13.828	30.9#	82	0.00
12		Methyl Acetate	20.000	20.466	-2.3	99	0.00
13	M	Acrolein	100.000	126.872	-26.9#	125	0.00
14	M	Acrylonitrile	100.000	95.143	4.9	92	0.00
15	M	Acetone	100.000	105.648	-5.6	95	0.00
16	M	Carbon Disulfide	20.000	18.693	6.5	91	0.00
17		Allyl chloride	20.000	19.588	2.1	96	0.00
18	M	Methylene Chloride	20.000	19.606	2.0	95	-0.01
19	M	trans-1,2-Dichloroethene	20.000	18.616	6.9	89	0.00
20	T	Diisopropyl ether	20.000	18.678	6.6	90	0.00
21	M	1,1-Dichloroethane	20.000	19.291	3.5	91	0.00
22	M	cis-1,2-Dichloroethene	20.000	19.301	3.5	92	0.00
23	M	tert-Butyl Alcohol	100.000	93.432	6.6	91	0.00
24	M	Methyl tert-Butyl Ether	20.000	19.167	4.2	93	0.00
25	M	Chloroform	20.000	19.726	1.4	95	0.00
26		Cyclohexane	20.000	19.309	3.5	91	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.675	1.1	95	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	95	0.00
29		1,1-Dichloropropene	20.000	19.353	3.2	91	0.00
30	M	2-Butanone	100.000	100.513	-0.5	94	0.00
31		2,2-Dichloropropane	20.000	20.092	-0.5	94	0.00
32	M	1,1,1-Trichloroethane	20.000	19.547	2.3	93	0.00
33	M	Carbon Tetrachloride	20.000	19.035	4.8	90	0.00
34	M	Benzene	20.000	19.762	1.2	94	0.00
35		Methacrylonitrile	20.000	19.978	0.1	92	0.00
36	M	1,2-Dichloroethane	20.000	19.781	1.1	92	0.00
37	M	Trichloroethene	20.000	19.892	0.5	93	0.00
38		Methylcyclohexane	20.000	18.389	8.1	86	0.00
39	M	1,2-Dichloropropane	20.000	19.889	0.6	93	0.00
40		Dibromomethane	20.000	19.187	4.1	90	0.00
41	M	Bromodichloromethane	20.000	19.705	1.5	95	0.00
42	M	Vinyl Acetate	100.000	98.202	1.8	91	0.00
43		Ethyl Acetate	20.000	19.749	1.3	93	0.00
44		Isopropyl Acetate	20.000	19.467	2.7	91	0.00
45	T	1,4-Dioxane	400.000	391.059	2.2	90	0.00
46		Methyl methacrylate	20.000	16.696	16.5	79	0.00
47		n-amyl Acetate	20.000	16.736	16.3	91	0.00
48	M	t-1,3-Dichloropropene	20.000	19.024	4.9	91	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087483.D
Acq On : 07 Aug 2025 10:00
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 08 01:14:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 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	19.927	0.4	96	0.00
50	M	1,1,2-Trichloroethane	20.000	19.948	0.3	94	0.00
51		Ethyl methacrylate	20.000	19.257	3.7	92	0.00
52		1,3-Dichloropropane	20.000	19.937	0.3	94	0.00
53	M	Dibromochloromethane	20.000	19.538	2.3	94	0.00
54	M	1,2-Dibromoethane	20.000	19.602	2.0	92	0.00
55	M	2-Chloroethyl vinyl ether	100.000	85.967	14.0	81	0.00
56	M	Bromoform	20.000	18.306	8.5	90	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	96	0.00
58	M	4-Methyl-2-Pentanone	100.000	100.431	-0.4	93	0.00
59	M	2-Hexanone	100.000	97.565	2.4	93	0.00
60	S	4-Bromofluorobenzene	30.000	29.594	1.4	94	0.00
61	M	Tetrachloroethene	20.000	19.619	1.9	94	0.00
62	M	Toluene	20.000	19.898	0.5	93	0.00
63	S	Toluene-d8	30.000	30.405	-1.4	97	0.00
64	M	Chlorobenzene	20.000	19.800	1.0	93	0.00
65		1,1,1,2-Tetrachloroethane	20.000	19.838	0.8	94	0.00
66	M	Ethyl Benzene	20.000	19.650	1.8	92	0.00
67	M	m/p-Xylenes	40.000	39.032	2.4	92	0.00
68	M	o-Xylene	20.000	19.291	3.5	91	0.00
69	M	Styrene	20.000	19.571	2.1	92	0.00
70		Isopropylbenzene	20.000	19.294	3.5	90	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	19.983	0.1	92	0.00
72		1,2,3-Trichloropropane	20.000	21.312	-6.6	109	0.00
73		Bromobenzene	20.000	19.772	1.1	95	0.00
74		n-propylbenzene	20.000	19.607	2.0	92	0.00
75		2-Chlorotoluene	20.000	19.440	2.8	91	0.00
76		1,3,5-Trimethylbenzene	20.000	19.502	2.5	91	0.00
77		t-1,4-Dichloro-2-butene	20.000	17.151	14.2	87	0.00
78		4-Chlorotoluene	20.000	19.916	0.4	95	0.00
79		tert-butylbenzene	20.000	18.954	5.2	89	0.00
80		1,2,4-Trimethylbenzene	20.000	19.650	1.8	93	0.00
81		sec-Butylbenzene	20.000	19.596	2.0	91	0.00
82		p-Isopropyltoluene	20.000	19.076	4.6	89	0.00
83	M	1,3-Dichlorobenzene	20.000	19.785	1.1	93	0.00
84	M	1,4-Dichlorobenzene	20.000	19.864	0.7	93	0.00
85		n-Butylbenzene	20.000	19.569	2.2	91	0.00
86	T	Hexachloroethane	20.000	18.883	5.6	90	0.00
87	M	1,2-Dichlorobenzene	20.000	20.007	-0.0	93	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	19.734	1.3	91	0.00
89		1,2,4-Trichlorobenzene	20.000	18.623	6.9	89	0.00
90		Hexachlorobutadiene	20.000	17.832	10.8	84	0.00
91	M	Naphthalene	20.000	19.081	4.6	90	0.00
92		1,2,3-Trichlorobenzene	20.000	18.623	6.9	89	0.00

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

QC SAMPLE DATA

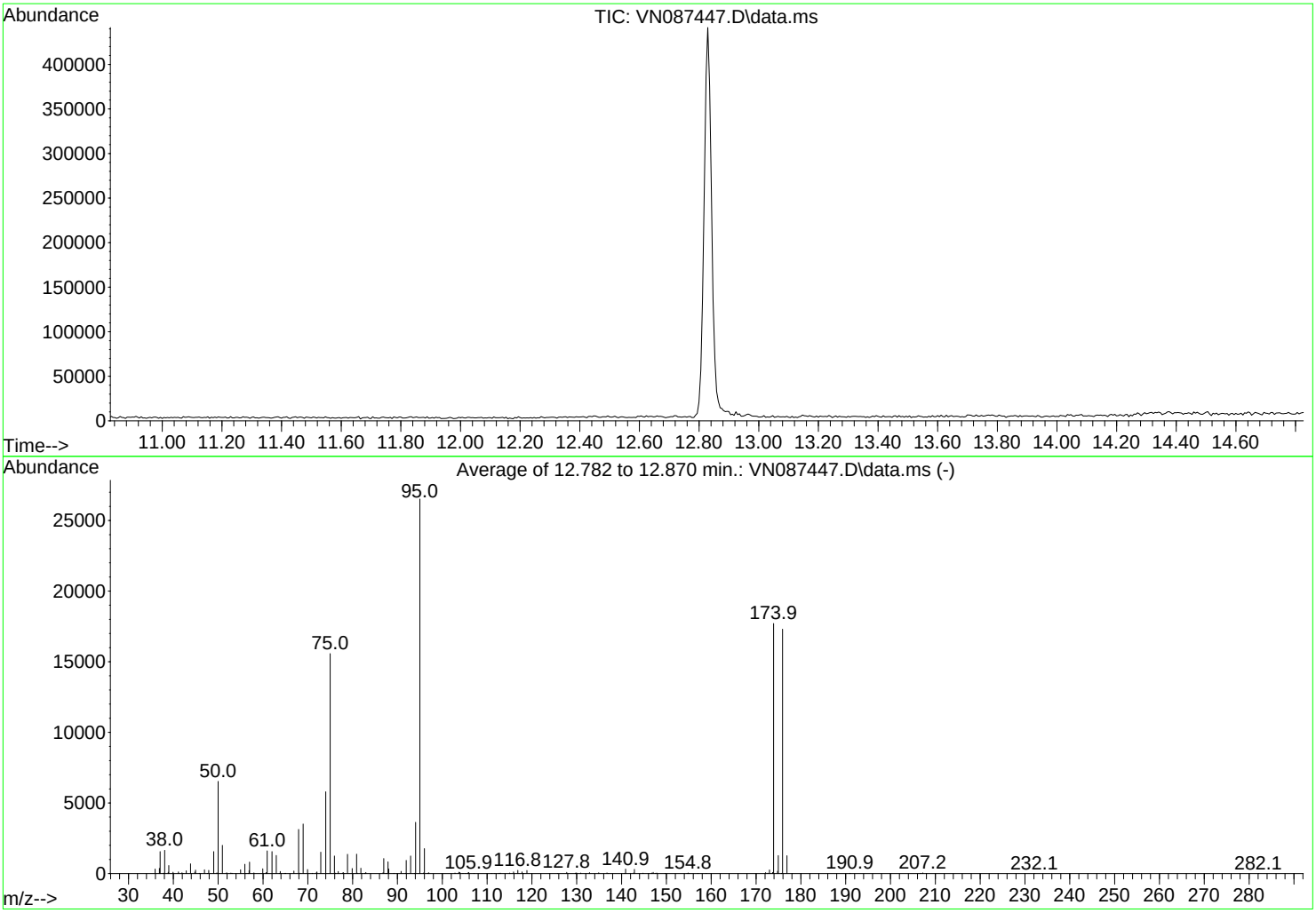
Sample Results: **VN087447.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087447.D
Acq On : 05 Aug 2025 09:27
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\624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025



AutoFind: Averaged scan 1841 to 1856; 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	24.6	6530	PASS
75	95	30	60	58.7	15571	PASS
95	95	100	100	100.0	26522	PASS
96	95	5	9	6.7	1774	PASS
173	174	0.00	2	1.5	263	PASS
174	95	50	100	66.8	17704	PASS
175	174	5	9	7.2	1276	PASS
176	174	95	101	97.7	17301	PASS
177	176	5	9	7.3	1269	PASS

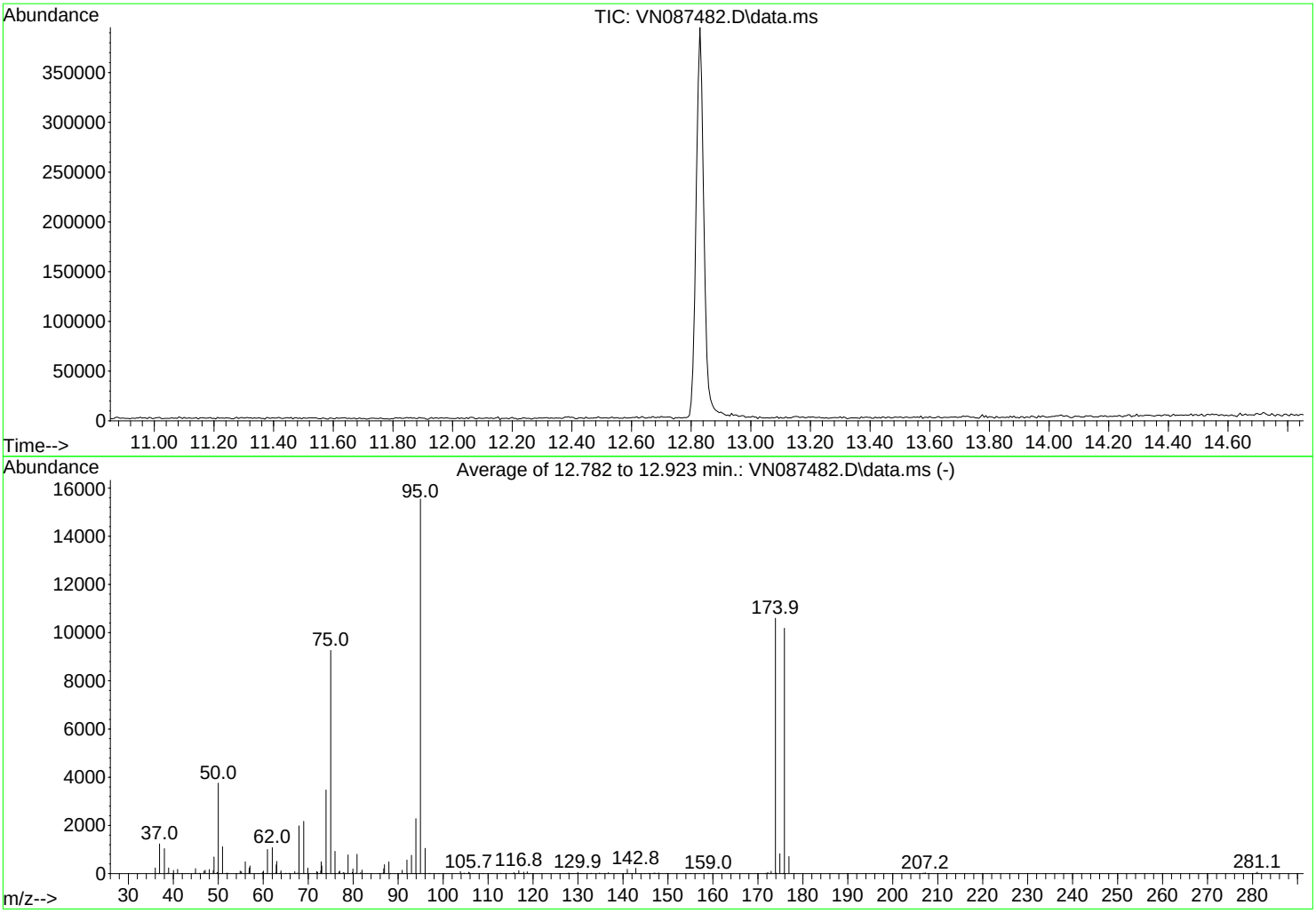
Sample Results: **VN087482.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087482.D
Acq On : 07 Aug 2025 09:27
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\624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025



AutoFind: Averaged scan 1841 to 1865; 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	24.2	3758	PASS
75	95	30	60	59.6	9266	PASS
95	95	100	100	100.0	15546	PASS
96	95	5	9	6.8	1051	PASS
173	174	0.00	2	0.9	98	PASS
174	95	50	100	68.2	10597	PASS
175	174	5	9	7.8	825	PASS
176	174	95	101	96.1	10184	PASS
177	176	5	9	7.0	710	PASS

Raw Data: **VN087486.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:	VN0807WBL01	SDG No.:	Q2790
Lab Sample ID:	VN0807WBL01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087486.D	1	08/07/25 11:30	VN080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	6.60	U	6.60	25.0	ug/L
107-13-1	Acrylonitrile	2.80	U	2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.8		91 - 110	103%	SPK: 30
2037-26-5	Toluene-d8	30.7		91 - 112	102%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.3		63 - 112	94%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	59500	7.794			
540-36-3	1,4-Difluorobenzene	325000	9.082			
3114-55-4	Chlorobenzene-d5	286000	11.847			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087486.D
Acq On : 07 Aug 2025 11:30
Operator : JC\MD
Sample : VN0807WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBL01

Quant Time: Aug 08 01:17:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

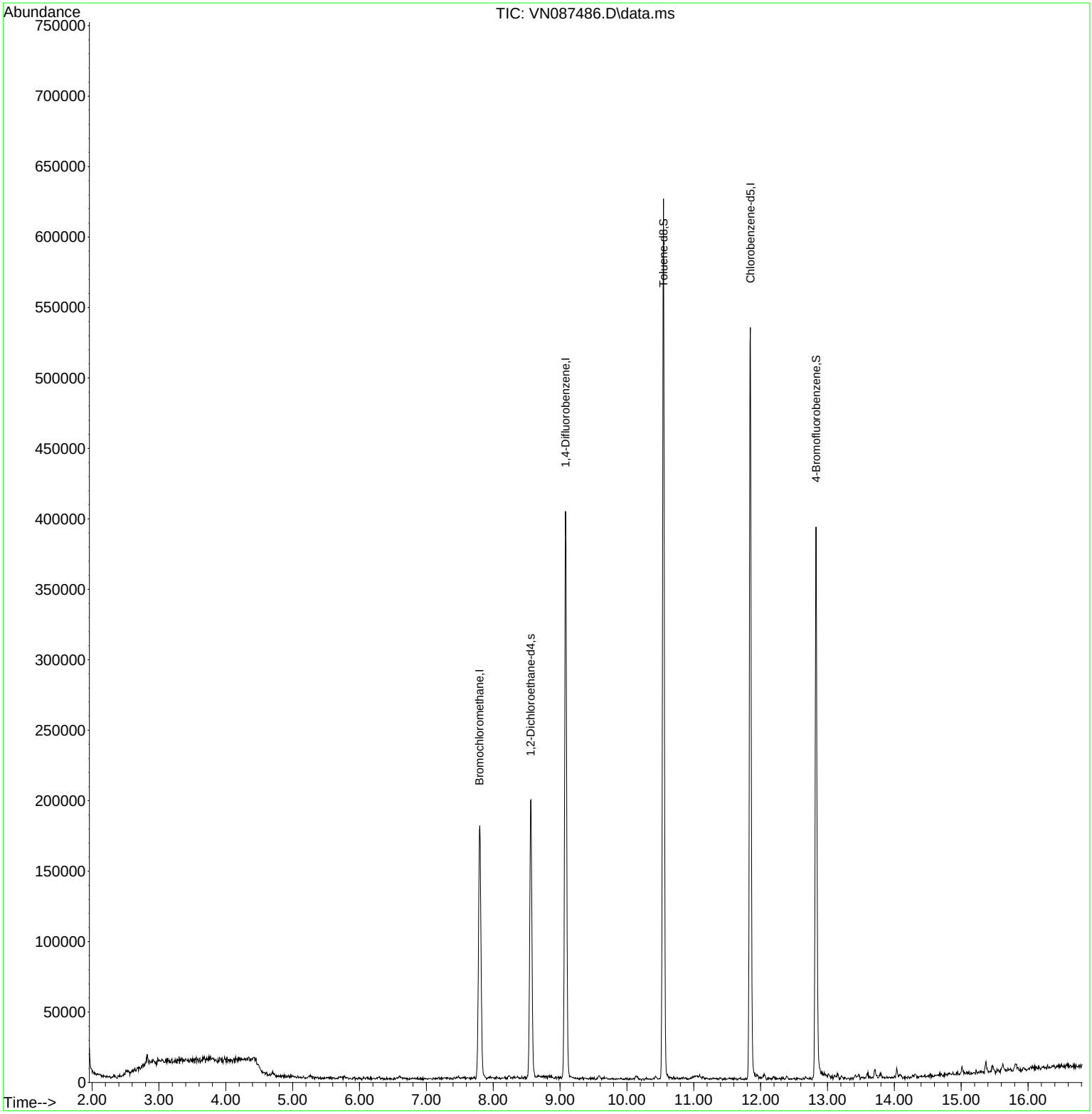
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	59451	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	325046	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	285832	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	168819	30.787	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 102.633%			
60) 4-Bromofluorobenzene	12.829	95	139109	28.280	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 94.267%			
63) Toluene-d8	10.547	98	403413	30.674	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 102.233%			
Target Compounds						Qvalue

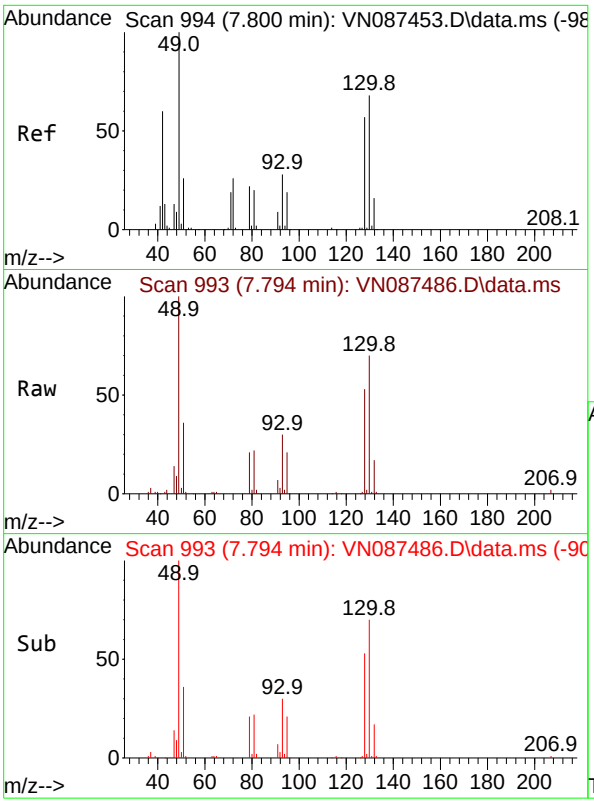
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087486.D
Acq On : 07 Aug 2025 11:30
Operator : JC\MD
Sample : VN0807WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBL01

Quant Time: Aug 08 01:17:56 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration



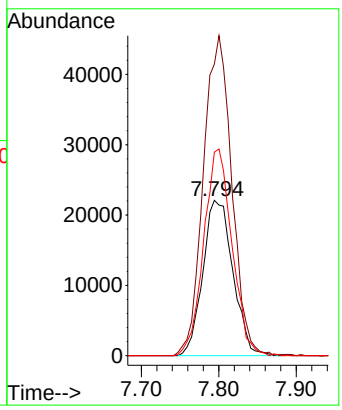


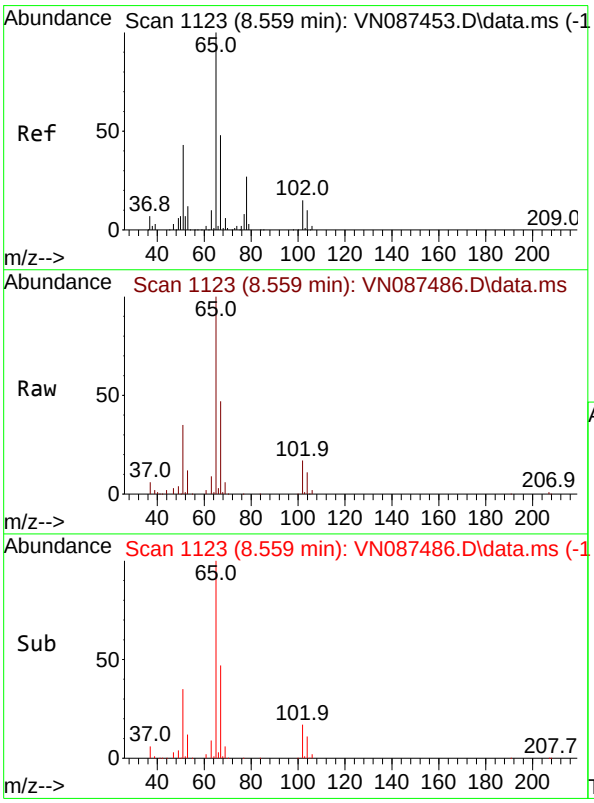
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBL01

Tgt Ion:128 Resp: 59451

Ion	Ratio	Lower	Upper
128	100		
49	194.7	0.0	494.8
130	125.5	0.0	321.5

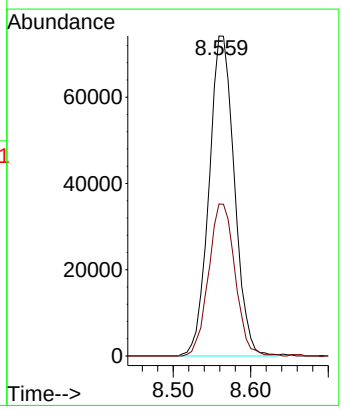


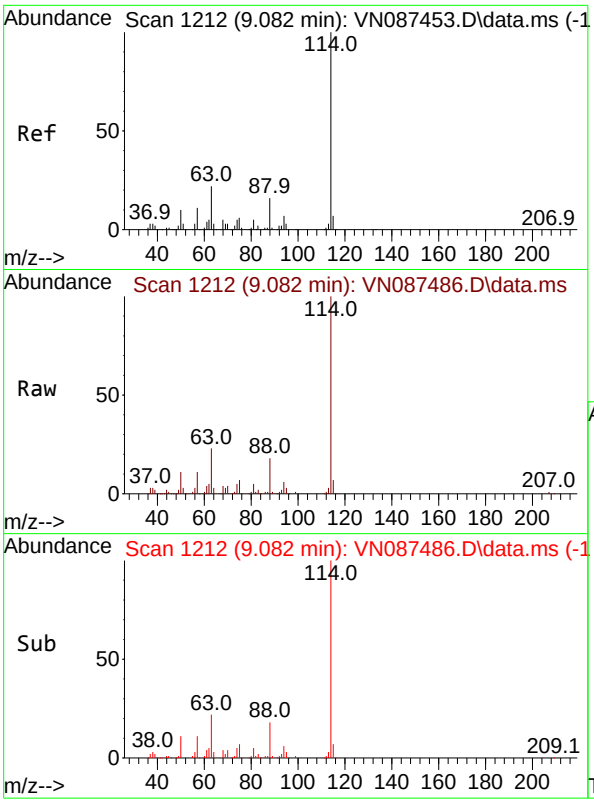


#27
1,2-Dichloroethane-d4
Concen: 30.787 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Tgt Ion: 65 Resp: 168819

Ion	Ratio	Lower	Upper
65	100		
67	49.3	40.8	61.2



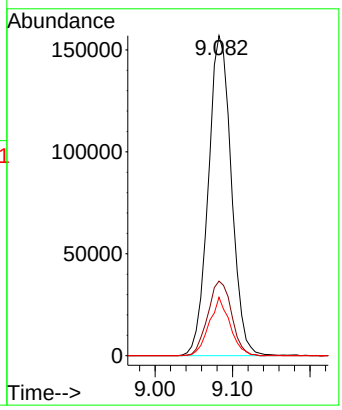


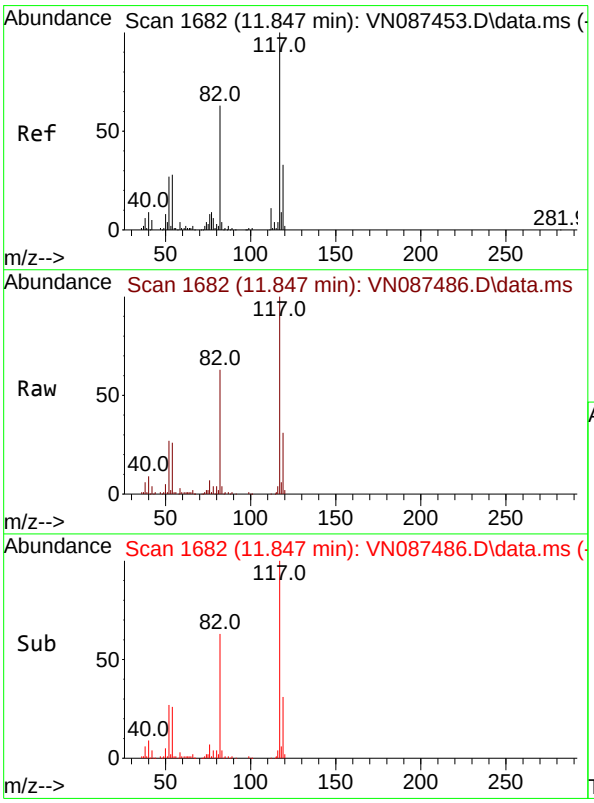
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBL01

Tgt Ion:114 Resp: 325046

Ion	Ratio	Lower	Upper
114	100		
63	24.0	18.9	28.3
88	16.4	13.1	19.7

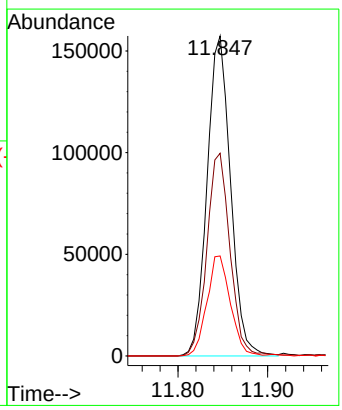


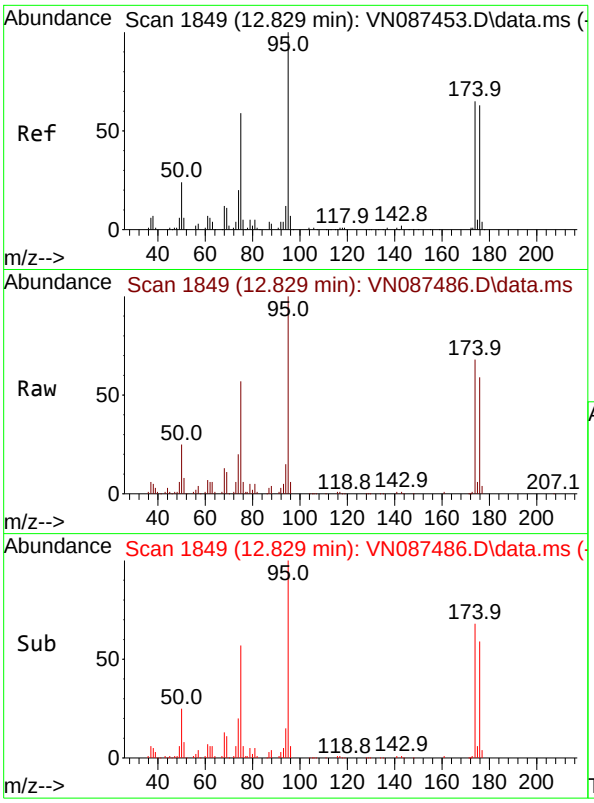


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Tgt Ion:117 Resp: 285832

Ion	Ratio	Lower	Upper
117	100		
82	62.4	49.2	73.8
119	31.2	25.7	38.5



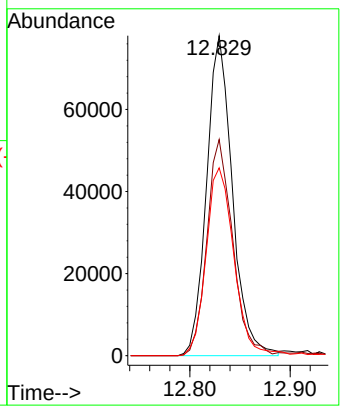


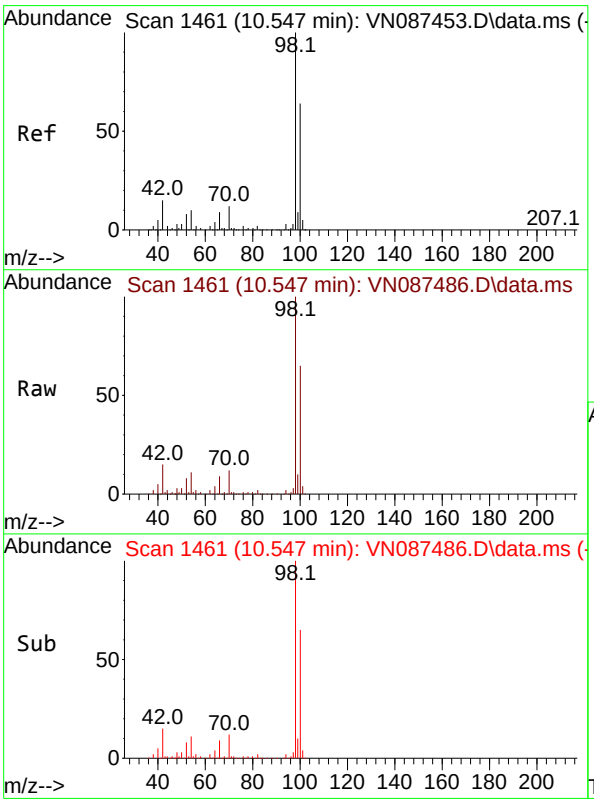
#60
4-Bromofluorobenzene
Concen: 28.280 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBL01

Tgt Ion: 95 Resp: 139109

Ion	Ratio	Lower	Upper
95	100		
174	67.4	52.3	78.5
176	63.3	49.8	74.8

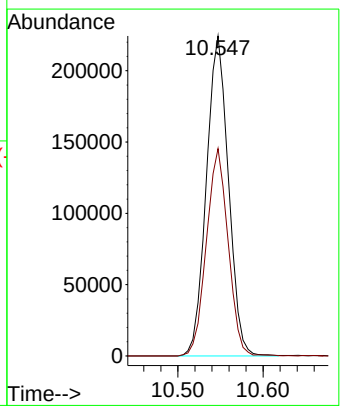




#63
Toluene-d8
Concen: 30.674 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087486.D
Acq: 07 Aug 2025 11:30

Tgt Ion: 98 Resp: 403413

Ion	Ratio	Lower	Upper
98	100		
100	63.5	50.5	75.7



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:	VN0807WBS01	SDG No.:	Q2790
Lab Sample ID:	VN0807WBS01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087484.D	1	08/07/25 10:35	VN080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	130		6.60	25.0	ug/L
107-13-1	Acrylonitrile	110		2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	31.7		91 - 110	106%	SPK: 30
2037-26-5	Toluene-d8	30.4		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.9		63 - 112	100%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	58600	7.8			
540-36-3	1,4-Difluorobenzene	336000	9.082			
3114-55-4	Chlorobenzene-d5	303000	11.847			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087484.D
Acq On : 07 Aug 2025 10:35
Operator : JC\MD
Sample : VN0807WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 01:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	58607	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	336486	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	303451	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	171175	31.666	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 105.567%				
60) 4-Bromofluorobenzene	12.829	95	156075	29.887	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 99.633%				
63) Toluene-d8	10.547	98	423840	30.356	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.200%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	86150	22.514	ug/l		98
3) Chloromethane	2.383	50	89533	22.806	ug/l		99
4) Vinyl Chloride	2.536	62	93165	22.375	ug/l		97
5) Bromomethane	2.983	94	51558	22.876	ug/l		91
6) Chloroethane	3.136	64	63496	23.648	ug/l		90
7) Trichlorofluoromethane	3.512	101	135626	22.633	ug/l		99
8) Diethyl Ether	3.965	74	58248	23.331	ug/l		99
9) 1,1,2-Trichlorotrifluo...	4.365	101	68558	22.435	ug/l		88
10) 1,1-Dichloroethene	4.336	96	72565	22.607	ug/l		99
11) Methyl Iodide	4.577	142	47664	18.859	ug/l		91
12) Methyl Acetate	5.018	43	133681	22.568	ug/l		93
13) Acrolein	4.177	56	120206	132.868	ug/l		100
14) Acrylonitrile	5.712	53	286052	110.593	ug/l		99
15) Acetone	4.424	58	93939	127.110	ug/l		94
16) Carbon Disulfide	4.706	76	211946	21.286	ug/l		100
17) Allyl chloride	5.012	41	147706	22.576	ug/l		93
18) Methylene Chloride	5.265	84	90834	21.982	ug/l		89
19) trans-1,2-Dichloroethene	5.771	96	81480	21.346	ug/l		97
20) Diisopropyl ether	6.659	45	337972	22.676	ug/l		99
21) 1,1-Dichloroethane	6.553	63	172595	22.403	ug/l		99
22) cis-1,2-Dichloroethene	7.471	96	104326	22.213	ug/l		99
23) tert-Butyl Alcohol	5.524	59	116400	105.906	ug/l	#	100
24) Methyl tert-Butyl Ether	5.783	73	320284	21.898	ug/l		100
25) Chloroform	7.953	83	179874	22.368	ug/l		97
26) Cyclohexane	8.241	56	140346	22.753	ug/l	#	94
29) 1,1-Dichloropropene	8.353	75	118205	21.538	ug/l		97
30) 2-Butanone	7.471	43	445086	110.023	ug/l		98
31) 2,2-Dichloropropane	7.477	77	155429	21.959	ug/l		99
32) 1,1,1-Trichloroethane	8.153	97	151094	21.586	ug/l		97
33) Carbon Tetrachloride	8.341	117	124461	21.404	ug/l	#	97
34) Benzene	8.588	78	369683	21.339	ug/l		97
35) Methacrylonitrile	7.759	41	92488	21.186	ug/l		93
36) 1,2-Dichloroethane	8.653	62	150479	21.491	ug/l		99
37) Trichloroethene	9.335	130	83072	21.769	ug/l		91
38) Methylcyclohexane	9.582	83	129809	20.388	ug/l		99
39) 1,2-Dichloropropane	9.606	63	94093	21.184	ug/l		97
40) Dibromomethane	9.694	93	70447	21.138	ug/l		98
41) Bromodichloromethane	9.871	83	146057	21.091	ug/l	#	96
42) Vinyl Acetate	6.588	43	1562641	117.296	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087484.D
Acq On : 07 Aug 2025 10:35
Operator : JC\MD
Sample : VN0807WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 01:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	148275	18.973	ug/l		95
44) Isopropyl Acetate	8.676	43	282553	21.329	ug/l		100
45) 1,4-Dioxane	9.682	88	34399	407.315	ug/l		95
46) Methyl methacrylate	9.665	41	128044	20.476	ug/l		97
47) n-amyl Acetate	12.529	43	156054m	21.324	ug/l		
48) t-1,3-Dichloropropene	10.818	75	158389	21.023	ug/l		99
49) cis-1,3-Dichloropropene	10.294	75	159248	21.003	ug/l		96
50) 1,1,2-Trichloroethane	11.000	97	89655	21.292	ug/l		95
51) Ethyl methacrylate	10.859	69	158153	21.327	ug/l		92
52) 1,3-Dichloropropane	11.147	76	161718	21.318	ug/l		97
53) Dibromochloromethane	11.341	129	103403	21.264	ug/l		99
54) 1,2-Dibromoethane	11.447	107	94192	21.072	ug/l		98
55) 2-Chloroethyl vinyl ether	10.141	63	372103	95.317	ug/l		100
56) Bromoform	12.564	173	64731	20.125	ug/l	#	96
58) 4-Methyl-2-Pentanone	10.429	43	847747	108.600	ug/l		100
59) 2-Hexanone	11.182	43	569737	107.418	ug/l		99
61) Tetrachloroethene	11.082	164	62979	21.303	ug/l		98
62) Toluene	10.612	91	402663	21.499	ug/l		99
64) Chlorobenzene	11.870	112	246686	21.435	ug/l		95
65) 1,1,1,2-Tetrachloroethane	11.941	131	85595	21.154	ug/l		98
66) Ethyl Benzene	11.941	91	444537	21.295	ug/l		98
67) m/p-Xylenes	12.053	106	324528	42.353	ug/l		99
68) o-Xylene	12.376	106	160575	21.301	ug/l		97
69) Styrene	12.394	104	271371	21.083	ug/l		98
70) Isopropylbenzene	12.676	105	410330	21.425	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	143758	21.908	ug/l		100
72) 1,2,3-Trichloropropane	12.976	75	124085m	20.298	ug/l		
73) Bromobenzene	12.964	156	91817	20.681	ug/l		97
74) n-propylbenzene	13.011	91	513292	21.460	ug/l		100
75) 2-Chlorotoluene	13.106	91	315308	21.431	ug/l		99
76) 1,3,5-Trimethylbenzene	13.153	105	348393	21.246	ug/l		98
77) t-1,4-Dichloro-2-butene	12.717	75	47337	20.456	ug/l		96
78) 4-Chlorotoluene	13.200	91	323678	21.709	ug/l		98
79) tert-butylbenzene	13.417	119	290229	20.992	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	357313	21.807	ug/l		96
81) sec-Butylbenzene	13.594	105	438672	21.795	ug/l		100
82) p-Isopropyltoluene	13.706	119	358154	21.431	ug/l		99
83) 1,3-Dichlorobenzene	13.711	146	184984	21.880	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	182880	21.336	ug/l		99
85) n-Butylbenzene	14.035	91	353381	21.613	ug/l		99
86) Hexachloroethane	14.311	117	67812	20.779	ug/l		98
87) 1,2-Dichlorobenzene	14.082	146	176686	21.894	ug/l		98
88) 1,2-Dibromo-3-Chloropr...	14.694	75	35639	21.439	ug/l		96
89) 1,2,4-Trichlorobenzene	15.811	180	102386	21.229	ug/l		100
90) Hexachlorobutadiene	15.476	225	38208	20.373	ug/l		96
91) Naphthalene	15.611	128	383520	20.855	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	102386	21.229	ug/l		100

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

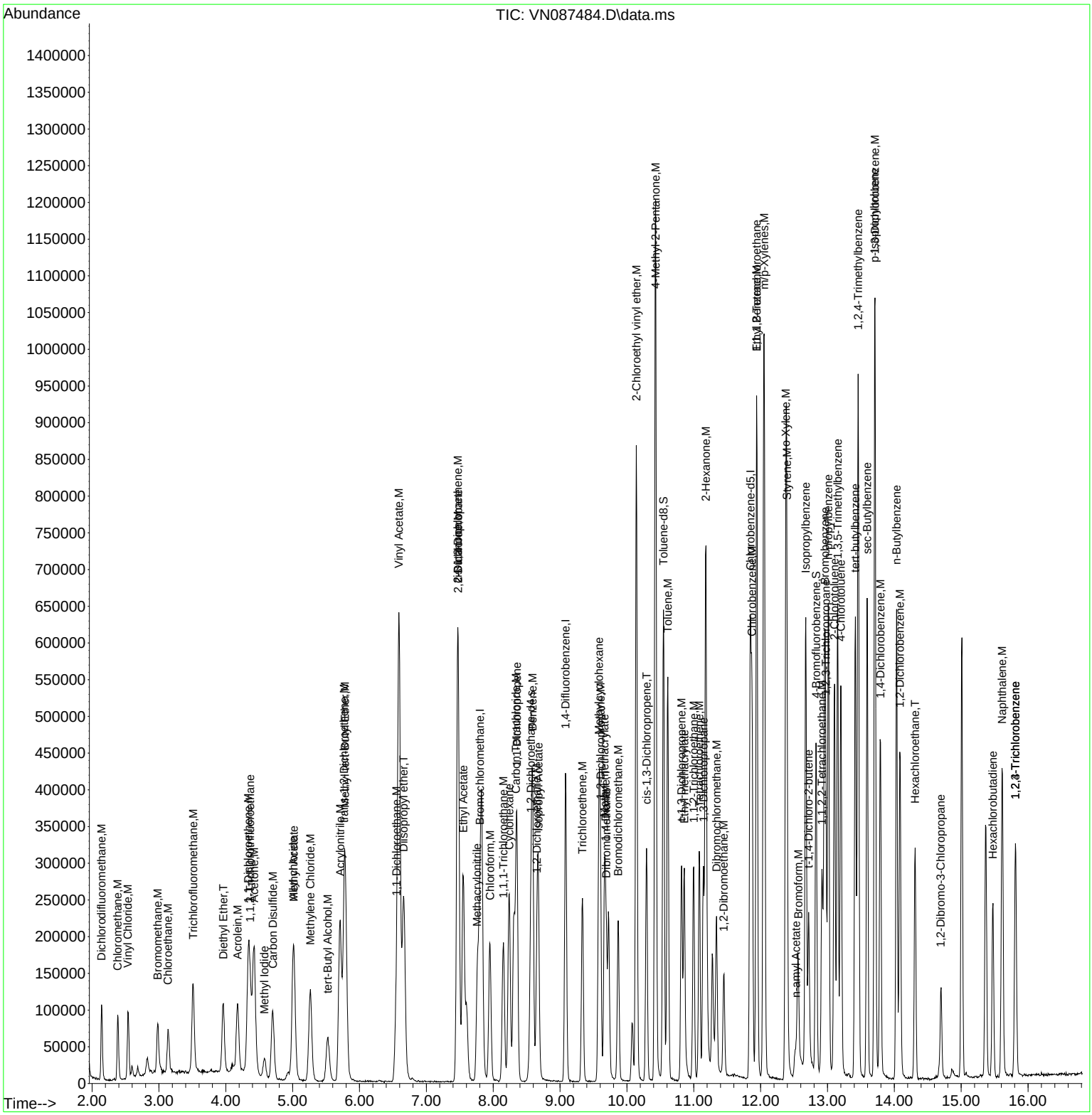
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087484.D
Acq On : 07 Aug 2025 10:35
Operator : JC\MD
Sample : VN0807WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 08 01:15:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBS01

Manual Integrations APPROVED

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



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

Report of Analysis

Client:	Garden State Laboratories, Inc.	Date Collected:	
Project:	Waste Water 2025	Date Received:	
Client Sample ID:	VN0807WBSD01	SDG No.:	Q2790
Lab Sample ID:	VN0807WBSD01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087485.D	1	08/07/25 11:09	VN080725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
107-02-8	Acrolein	120		6.60	25.0	ug/L
107-13-1	Acrylonitrile	110		2.80	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.6		91 - 110	102%	SPK: 30
2037-26-5	Toluene-d8	29.8		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	29.3		63 - 112	98%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	60700	7.8			
540-36-3	1,4-Difluorobenzene	333000	9.083			
3114-55-4	Chlorobenzene-d5	300000	11.847			

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087485.D
Acq On : 07 Aug 2025 11:09
Operator : JC\MD
Sample : VN0807WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 08 01:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	60691	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	333291	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	299942	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	171051	30.557	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 101.867%			
60) 4-Bromofluorobenzene	12.829	95	151429	29.336	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 97.800%			
63) Toluene-d8	10.547	98	410968	29.778	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.267%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	91742	23.153	ug/l	95
3) Chloromethane	2.383	50	87913	21.624	ug/l	99
4) Vinyl Chloride	2.542	62	97122	22.524	ug/l	95
5) Bromomethane	2.983	94	50447	21.614	ug/l	88
6) Chloroethane	3.136	64	62704	22.551	ug/l	97
7) Trichlorofluoromethane	3.512	101	138489	22.317	ug/l	95
8) Diethyl Ether	3.965	74	57590	22.276	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.365	101	72926	23.045	ug/l	87
10) 1,1-Dichloroethene	4.330	96	77034	23.175	ug/l	87
11) Methyl Iodide	4.577	142	50122	19.150	ug/l	92
12) Methyl Acetate	5.018	43	130658	21.301	ug/l	93
13) Acrolein	4.183	56	112933	120.543	ug/l	100
14) Acrylonitrile	5.712	53	282311	105.398	ug/l	100
15) Acetone	4.424	58	81356	106.304	ug/l	98
16) Carbon Disulfide	4.706	76	211753	20.537	ug/l	98
17) Allyl chloride	5.012	41	136783	20.189	ug/l	95
18) Methylene Chloride	5.259	84	89323	20.874	ug/l	91
19) trans-1,2-Dichloroethene	5.765	96	82334m	20.829	ug/l	
20) Diisopropyl ether	6.665	45	315107	20.416	ug/l	98
21) 1,1-Dichloroethane	6.553	63	163918	20.546	ug/l	97
22) cis-1,2-Dichloroethene	7.471	96	99320	20.421	ug/l	97
23) tert-Butyl Alcohol	5.524	59	114200	100.336	ug/l #	100
24) Methyl tert-Butyl Ether	5.789	73	313483	20.697	ug/l	99
25) Chloroform	7.953	83	176256	21.165	ug/l	90
26) Cyclohexane	8.241	56	138422	21.670	ug/l #	97
29) 1,1-Dichloropropene	8.353	75	116818	21.490	ug/l	97
30) 2-Butanone	7.471	43	425427	106.172	ug/l	99
31) 2,2-Dichloropropane	7.471	77	149737	21.357	ug/l	100
32) 1,1,1-Trichloroethane	8.147	97	151139	21.800	ug/l	96
33) Carbon Tetrachloride	8.347	117	120394	20.903	ug/l	92
34) Benzene	8.588	78	358063	20.866	ug/l	97
35) Methacrylonitrile	7.759	41	93160	21.545	ug/l	98
36) 1,2-Dichloroethane	8.653	62	145527	20.983	ug/l	99
37) Trichloroethene	9.335	130	81659	21.604	ug/l	85
38) Methylcyclohexane	9.583	83	143366	22.734	ug/l	98
39) 1,2-Dichloropropane	9.600	63	95303	21.662	ug/l	99
40) Dibromomethane	9.688	93	70468	21.347	ug/l	98
41) Bromodichloromethane	9.871	83	142197	20.730	ug/l #	99
42) Vinyl Acetate	6.594	43	1398376	105.972	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087485.D
Acq On : 07 Aug 2025 11:09
Operator : JC\MD
Sample : VN0807WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 08 01:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Manual Integrations APPROVED

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

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	165860	21.426	ug/l		96
44) Isopropyl Acetate	8.677	43	278907	21.255	ug/l		99
45) 1,4-Dioxane	9.683	88	36702	438.751	ug/l		98
46) Methyl methacrylate	9.665	41	129656	20.933	ug/l		97
47) n-amyl Acetate	12.518	43	154492m	21.313	ug/l		
48) t-1,3-Dichloropropene	10.818	75	152028	20.372	ug/l		100
49) cis-1,3-Dichloropropene	10.294	75	153959	20.500	ug/l		93
50) 1,1,2-Trichloroethane	10.994	97	89666	21.499	ug/l		96
51) Ethyl methacrylate	10.859	69	146701	19.972	ug/l		96
52) 1,3-Dichloropropane	11.147	76	158971	21.157	ug/l		98
53) Dibromochloromethane	11.341	129	99557	20.670	ug/l		98
54) 1,2-Dibromoethane	11.447	107	93232	21.058	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	358165	92.626	ug/l		100
56) Bromoform	12.559	173	63002	19.776	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.430	43	827022	107.184	ug/l		99
59) 2-Hexanone	11.182	43	550672	105.038	ug/l		99
61) Tetrachloroethene	11.082	164	64305	22.006	ug/l		95
62) Toluene	10.612	91	387636	20.939	ug/l		100
64) Chlorobenzene	11.871	112	233549	20.531	ug/l		98
65) 1,1,1,2-Tetrachloroethane	11.941	131	82708	20.680	ug/l		98
66) Ethyl Benzene	11.941	91	435806	21.121	ug/l		98
67) m/p-Xylenes	12.053	106	313770	41.428	ug/l		100
68) o-Xylene	12.376	106	154757	20.770	ug/l		100
69) Styrene	12.394	104	264320	20.775	ug/l		99
70) Isopropylbenzene	12.671	105	409954	21.656	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.918	83	142352	21.947	ug/l		99
72) 1,2,3-Trichloropropane	12.971	75	122632m	20.295	ug/l		
73) Bromobenzene	12.965	156	91640	20.882	ug/l		99
74) n-propylbenzene	13.012	91	510865	21.609	ug/l		99
75) 2-Chlorotoluene	13.106	91	305651	21.018	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	339823	20.966	ug/l		98
77) t-1,4-Dichloro-2-butene	12.723	75	47751	20.876	ug/l		91
78) 4-Chlorotoluene	13.200	91	311615	21.145	ug/l		100
79) tert-butylbenzene	13.418	119	294944	21.583	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	344709	21.284	ug/l		98
81) sec-Butylbenzene	13.594	105	443576	22.296	ug/l		100
82) p-Isopropyltoluene	13.706	119	358297	21.691	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	176856	21.164	ug/l		98
84) 1,4-Dichlorobenzene	13.794	146	183521	21.662	ug/l		100
85) n-Butylbenzene	14.035	91	354937	21.962	ug/l		99
86) Hexachloroethane	14.312	117	68197	21.142	ug/l		97
87) 1,2-Dichlorobenzene	14.082	146	172184	21.586	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	34090	20.747	ug/l		96
89) 1,2,4-Trichlorobenzene	15.812	180	99079	20.784	ug/l		98
90) Hexachlorobutadiene	15.476	225	41477	22.375	ug/l		95
91) Naphthalene	15.612	128	375474	20.656	ug/l		99
92) 1,2,3-Trichlorobenzene	15.812	180	99079	20.784	ug/l		98

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

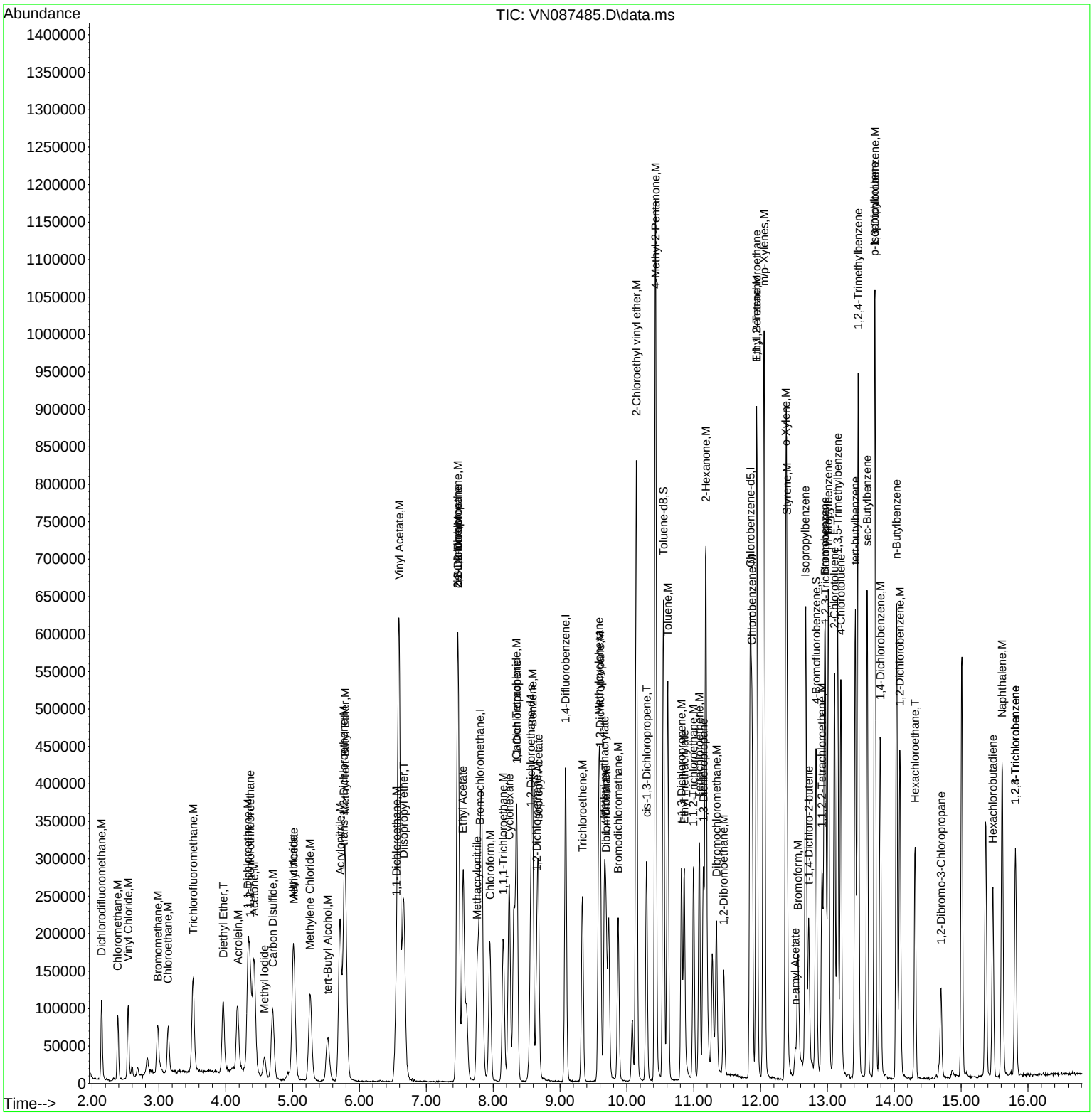
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080725\
Data File : VN087485.D
Acq On : 07 Aug 2025 11:09
Operator : JC\MD
Sample : VN0807WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 08 01:17:01 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0807WBSD01

Manual Integrations APPROVED

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



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

Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VN087452.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	Ethyl Acetate	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	Methyl Iodide	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	n-amyl Acetate	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICC005	VN087452.D	trans-1,2-Dichloroethene	JOHN	8/6/2025 8:44:05 AM	MMDadoda	8/6/2025 9:39:20 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Ethyl Acetate	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Methyl Iodide	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	Methylene Chloride	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICCC020	VN087453.D	n-amyl Acetate	JOHN	8/6/2025 8:44:09 AM	MMDadoda	8/6/2025 9:39:23 AM	Peak Integrated by Software
VSTDICC050	VN087454.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:15 AM	MMDadoda	8/6/2025 9:39:27 AM	Peak Integrated by Software
VSTDICC050	VN087454.D	n-amyl Acetate	JOHN	8/6/2025 8:44:15 AM	MMDadoda	8/6/2025 9:39:27 AM	Peak Integrated by Software
VSTDICC100	VN087455.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:19 AM	MMDadoda	8/6/2025 9:39:30 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn080525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VN087456.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:24 AM	MMDadoda	8/6/2025 9:39:31 AM	Peak Integrated by Software
VSTDICV020	VN087458.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:44:28 AM	MMDadoda	8/6/2025 9:39:41 AM	Peak Integrated by Software
VSTDICV020	VN087458.D	n-amyl Acetate	JOHN	8/6/2025 8:44:28 AM	MMDadoda	8/6/2025 9:39:41 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	1,2,3-Trichloropropane	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	Ethyl Acetate	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software
VSTDCCC020	VN087466.D	n-amyl Acetate	JOHN	8/6/2025 8:45:09 AM	MMDadoda	8/6/2025 9:39:51 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn080725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087483.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:46:04 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VSTDCCC020	VN087483.D	Allyl chloride	JOHN	8/8/2025 8:46:04 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VSTDCCC020	VN087483.D	Methyl Acetate	JOHN	8/8/2025 8:46:04 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VSTDCCC020	VN087483.D	n-amyl Acetate	JOHN	8/8/2025 8:46:04 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VN0807WBS01	VN087484.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:46:09 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VN0807WBS01	VN087484.D	n-amyl Acetate	JOHN	8/8/2025 8:46:09 AM	MMDadoda	8/8/2025 3:07:37 PM	Peak Integrated by Software
VN0807WBSD01	VN087485.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:46:14 AM	MMDadoda	8/8/2025 3:07:38 PM	Peak Integrated by Software
VN0807WBSD01	VN087485.D	n-amyl Acetate	JOHN	8/8/2025 8:46:14 AM	MMDadoda	8/8/2025 3:07:38 PM	Peak Integrated by Software
VN0807WBSD01	VN087485.D	trans-1,2-Dichloroethene	JOHN	8/8/2025 8:46:14 AM	MMDadoda	8/8/2025 3:07:38 PM	Peak Integrated by Software
VSTDCCC020	VN087492.D	1,2,3-Trichloropropane	JOHN	8/8/2025 8:46:29 AM	MMDadoda	8/8/2025 3:07:44 PM	Peak Integrated by Software
VSTDCCC020	VN087492.D	Methyl tert-Butyl Ether	JOHN	8/8/2025 8:46:29 AM	MMDadoda	8/8/2025 3:07:44 PM	Peak Integrated by Software
VSTDCCC020	VN087492.D	n-amyl Acetate	JOHN	8/8/2025 8:46:29 AM	MMDadoda	8/8/2025 3:07:44 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vn080725	Instrument	MSVOA_n

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

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087447.D	05 Aug 2025 09:27	JC\MD	Ok
2	VSTDCCC020	VN087448.D	05 Aug 2025 10:06	JC\MD	Not Ok
3	VN0805WBS01	VN087449.D	05 Aug 2025 11:21	JC\MD	Not Ok
4	VN0805WBSD01	VN087450.D	05 Aug 2025 12:02	JC\MD	Not Ok
5	VN0805WBL01	VN087451.D	05 Aug 2025 12:58	JC\MD	Not Ok
6	VSTDICC005	VN087452.D	05 Aug 2025 13:37	JC\MD	Ok,M
7	VSTDICCC020	VN087453.D	05 Aug 2025 13:58	JC\MD	Ok,M
8	VSTDICC050	VN087454.D	05 Aug 2025 14:19	JC\MD	Ok,M
9	VSTDICC100	VN087455.D	05 Aug 2025 14:40	JC\MD	Ok,M
10	VSTDICC150	VN087456.D	05 Aug 2025 15:01	JC\MD	Ok,M
11	IBLK	VN087457.D	05 Aug 2025 15:22	JC\MD	Ok
12	VSTDICV020	VN087458.D	05 Aug 2025 15:43	JC\MD	Ok,M
13	VN0805WBS02	VN087459.D	05 Aug 2025 16:17	JC\MD	Ok,M
14	VN0805WBSD02	VN087460.D	05 Aug 2025 16:50	JC\MD	Ok,M
15	VN0805WBL02	VN087461.D	05 Aug 2025 17:32	JC\MD	Ok
16	Q2771-04	VN087462.D	05 Aug 2025 17:53	JC\MD	Ok
17	Q2771-01	VN087463.D	05 Aug 2025 18:14	JC\MD	Ok,M
18	Q2771-02MS	VN087464.D	05 Aug 2025 18:35	JC\MD	Ok,M
19	Q2771-03MSD	VN087465.D	05 Aug 2025 18:56	JC\MD	Ok,M
20	VSTDCCC020	VN087466.D	05 Aug 2025 19:17	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080725

Review By	John Carlone	Review On	8/8/2025 8:50:26 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/8/2025 3:07:45 PM		
SubDirectory	VN080725	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135025
Initial Calibration Stds	
CCC	VP135026,VP135027,VP135028,VP135029
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087482.D	07 Aug 2025 09:27	JC\MD	Ok
2	VSTDCCC020	VN087483.D	07 Aug 2025 10:00	JC\MD	Ok,M
3	VN0807WBS01	VN087484.D	07 Aug 2025 10:35	JC\MD	Ok,M
4	VN0807WBSD01	VN087485.D	07 Aug 2025 11:09	JC\MD	Ok,M
5	VN0807WBL01	VN087486.D	07 Aug 2025 11:30	JC\MD	Ok
6	Q2126-07 2.5PPB	VN087487.D	07 Aug 2025 12:03	JC\MD	Ok,M
7	Q2126-08 5.0PPB	VN087488.D	07 Aug 2025 12:37	JC\MD	Ok,M
8	Q2790-02	VN087489.D	07 Aug 2025 13:10	JC\MD	Ok
9	Q2790-01	VN087490.D	07 Aug 2025 13:31	JC\MD	Ok
10	IBLK	VN087491.D	07 Aug 2025 13:53	JC\MD	Ok
11	VSTDCCC020	VN087492.D	07 Aug 2025 15:24	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087447.D	05 Aug 2025 09:27		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087448.D	05 Aug 2025 10:06	Need ICAL	JC\MD	Not Ok
3	VN0805WBS01	VN0805WBS01	VN087449.D	05 Aug 2025 11:21		JC\MD	Not Ok
4	VN0805WBSD01	VN0805WBSD01	VN087450.D	05 Aug 2025 12:02		JC\MD	Not Ok
5	VN0805WBL01	VN0805WBL01	VN087451.D	05 Aug 2025 12:58		JC\MD	Not Ok
6	VSTDICC005	VSTDICC005	VN087452.D	05 Aug 2025 13:37		JC\MD	Ok,M
7	VSTDICCC020	VSTDICCC020	VN087453.D	05 Aug 2025 13:58		JC\MD	Ok,M
8	VSTDICC050	VSTDICC050	VN087454.D	05 Aug 2025 14:19		JC\MD	Ok,M
9	VSTDICC100	VSTDICC100	VN087455.D	05 Aug 2025 14:40		JC\MD	Ok,M
10	VSTDICC150	VSTDICC150	VN087456.D	05 Aug 2025 15:01		JC\MD	Ok,M
11	IBLK	IBLK	VN087457.D	05 Aug 2025 15:22		JC\MD	Ok
12	VSTDICV020	ICVVN080525	VN087458.D	05 Aug 2025 15:43	pH#Lot#V12668	JC\MD	Ok,M
13	VN0805WBS02	VN0805WBS02	VN087459.D	05 Aug 2025 16:17		JC\MD	Ok,M
14	VN0805WBSD02	VN0805WBSD02	VN087460.D	05 Aug 2025 16:50		JC\MD	Ok,M
15	VN0805WBL02	VN0805WBL02	VN087461.D	05 Aug 2025 17:32		JC\MD	Ok
16	Q2771-04	002-35TH-AVE(JUNE)	VN087462.D	05 Aug 2025 17:53	vial A pH<2	JC\MD	Ok
17	Q2771-01	001-WILLETS-PT-BLVD	VN087463.D	05 Aug 2025 18:14	vial A pH<2	JC\MD	Ok,M
18	Q2771-02MS	001-WILLETS-PT-BLVD	VN087464.D	05 Aug 2025 18:35	vial A pH<2	JC\MD	Ok,M

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 # VN080525

Review By	John Carlone	Review On	8/6/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/6/2025 9:40:10 AM		
SubDirectory	VN080525	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134999
Initial Calibration Stds	VP135004,VP135005,VP135006,VP135007,VP135008
CCC	VP135003,VP135010
Internal Standard/PEM	
ICV/I.BLK	VP135009
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2771-03MSD	001-WILLETS-PT-BLVD	VN087465.D	05 Aug 2025 18:56	vial A pH<2	JC\MD	Ok,M
20	VSTDCCC020	VSTDCCC020EC	VN087466.D	05 Aug 2025 19:17		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN080725

Review By	John Carlone	Review On	8/8/2025 8:50:26 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/8/2025 3:07:45 PM		
SubDirectory	VN080725	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135025
Initial Calibration Stds	
CCC	VP135026,VP135027,VP135028,VP135029
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	VN087482.D	07 Aug 2025 09:27		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087483.D	07 Aug 2025 10:00	pH#Lot#V12668	JC\MD	Ok,M
3	VN0807WBS01	VN0807WBS01	VN087484.D	07 Aug 2025 10:35		JC\MD	Ok,M
4	VN0807WBSD01	VN0807WBSD01	VN087485.D	07 Aug 2025 11:09		JC\MD	Ok,M
5	VN0807WBL01	VN0807WBL01	VN087486.D	07 Aug 2025 11:30		JC\MD	Ok
6	Q2126-07 2.5PPB	LOD-MDL-WATER-01-(	VN087487.D	07 Aug 2025 12:03		JC\MD	Ok,M
7	Q2126-08 5.0PPB	LOQ-WATER-02-QT2-2	VN087488.D	07 Aug 2025 12:37		JC\MD	Ok,M
8	Q2790-02	250806062-03 Trip blar	VN087489.D	07 Aug 2025 13:10	vial B pH#6.0 TB	JC\MD	Ok
9	Q2790-01	250806078-01 VOA	VN087490.D	07 Aug 2025 13:31	vial B pH#6.0 Surrogate Fail	JC\MD	Ok
10	IBLK	IBLK	VN087491.D	07 Aug 2025 13:53		JC\MD	Ok
11	VSTDCCC020	VSTDCCC020EC	VN087492.D	07 Aug 2025 15:24		JC\MD	Ok,M

M : Manual Integration

SHIPPING DOCUMENTS

Garden State Laboratories, Inc.

22790

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

CHAIN OF CUSTODY RECORD - PRESS HARD AND PRINT CLEARLY - USE BALL POINT PEN

IMPORTANT: PRINTED NAMES & SIGNATURES ARE REQUIRED

OR SAMPLE RECEIVING USE ONLY

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

Page _____ of _____

GSL CLIENT #

MICRO #

CHEM. #

SAMPLE REC'D BY:

☐ GSL FIELD SAMPLER/PICK-UP

☐ PICK-UP AT DROP OFF LOCATION

☐ DELIVERED BY CLIENT

CLIENT INFORMATION (REPORT TO BE SENT TO)

Name: Garden State Laboratories, Inc. Contact/Authorized by: Elinor Battler

Mailing Address: 410 Hillside Ave. Phone: 908-688-8900 x 303

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

SAMPLE INFORMATION

SAMPLE TYPE: WASTE WATER

SAMPLE LOCATI ACUA SW LANDFILL LEACHATE TANKS

Grab	Comp	SAMPLE ID	SAMPLE COLLECTION Date	Time	AM	PM	ANALYSIS REQUIRED (Print Legibly) ☐ List attached Total Pages ____	CONTAINER INFORMATION No.	Type*	Size	Pres.*
X	X*	250806078-01 VOA	8/6/25	9:15	X		EPA 8260 TCL LIST + Acrolien & Acrylonitrile	3	V	40mL	A
X		250806062-03 Trip blank					EPA 8260 TCL LIST + Acrolien & Acı	2	V	40mL	A

KRG 8/6/25

⇨ *Container Type: P = Plastic G = Glass A = Amber Glass T = Sterile Thio V = Vial Other/Specify: _____*

⇨ *Preservation Code: A = Non Preserved B = Sulfuric Acid C = Sodium Hydroxide D = Nitric Acid E = Hydrochloric Acid F = Zinc Acetate G = Sodium Thiosulfate H = Ascorbic Acid I = Cooled Other/Specify: _____*

☒ SUBCONTRACTED WORK

TURNAROUND TIME: ☒ Stand ☐ Rush (IF RUSH REQUESTED) Rush Due by:

REPORT FORMA ☒ Standard Report ☐ Other/Specify:

☐ Standard Report + E2 PWS ID#:

SEND TO: Chem Tech

DATE/TIME:

METHOD OF SHIPMEN Deliver

PAYMENT INFORMATION

☐ Sampling/Pick-up Fee: $ ☐ Composite Fee: $ ☐ Rush Fee: $ Amount Due: $

Payment Method: ☐ Credit Card Type: ☐ Check # ☐ Other: See Quote

Note: ATL16

VOA UNPRESERVED DUE TO EFFERVESCENSE - 3 DAY TAT PER JORDAN HE

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

Sampled by (PRINT):	Signature:	Date/Time:
Client/Client's Representative (PRINT):	Signature:	Date/Time:
1. Received/Relinquished by (PRINT): Kaylee Evans	Signature: Kaylee Evans	Date/Time: 8/6/25 16:08
2. Received/Relinquished by (PRINT): MATT JACKSON	Signature:	Date/Time 8/7/25 8:50 AM

Cassanova Pena 8/7/25 8/7/25 23°C

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

Laboratory Certification

Certified By	License No.
CAS EPA CLP Contract	68HERH20D0011
Connecticut	PH-0830
DOD ELAP (ANAB)	L2219
Maine	2024021
Maryland	296
New Hampshire	255424 Rev 1
New Jersey	20012
New York	11376
Pennsylvania	68-00548
Soil Permit	525-24-234-08441
Texas	T104704488

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2790 GARD04
Client Name : Garden State Laboratories, I
Client Contact : Sharon Ercoliani
Invoice Name : Garden State Laboratories, I
Invoice Contact : Sharon Ercoliani

Order Date : 8/7/2025 8:49:00 AM
Project Name : Waste Water 2025
Receive DateTime : 8/7/2025 8:50:00 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
Q2790-01	250806078-01 VOA	Water	08/06/2025	09:15					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days
Q2790-02	250806062-03 Trip blank	Water	08/06/2025	09:15					
					VOCMS Group1		624.1		10 Bus. Days
					VOCMS Group2		8260-Low		10 Bus. Days

Relinguished By : CP
Date / Time : 8/7/25 9:55

Received By : Sam
Date / Time : 08/07/25 9:55 Py ff 4-5

Storage Area : VOA Refridgerator Room