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

Cover Page

Order ID : Q2845

Project ID : Transfer Station-SPDES

Client : Tully Environmental, Inc

Lab Sample Number	Client Sample Number
Q2845-01	001 willets Pt Blvd(july)
Q2845-04	002 35th Ave (july)

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

Signature : _____

Date: 8/19/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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

DATA REPORTING QUALIFIERS- ORGANIC

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

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

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APPENDIX A

QA REVIEW GENERAL DOCUMENTATION

Project #: **Q2845**

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

QA Review Signature: **KETAN PATEL** **Date:** **08/19/2025**

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LAB CHRONICLE

OrderID:	Q2845	**OrderDate:**	8/13/2025 11:47:00 AM
Client:	Tully Environmental, Inc	**Project:**	Transfer Station-SPDES
Contact:	Dean Devoe	**Location:**	J11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2845-01	**001 willets Pt Blvd(july)**	**Water**			**08/12/25**			**08/13/25**
			VOC-BTEX	624.1			08/18/25	
Q2845-04	**002 35th Ave (july)**	**Water**			**08/12/25**			**08/13/25**
			VOC-BTEX	624.1			08/18/25	
Q2845-04DL	**002 35th Ave (july)DL**	**Water**			**08/12/25**			**08/13/25**
			VOC-BTEX	624.1			08/18/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2845

Client: Tully Environmental, Inc

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**001 willets Pt Blvd(july)**							
Q2845-01	001 willets Pt Blvd(	Water	Toluene	150		0.46	5.00	ug/L
			Total Voc :	150				
			Total Concentration:	150				
Client ID:	**002 35th Ave (july)**							
Q2845-04	002 35th Ave (july)	Water	Toluene	210	E	0.46	5.00	ug/L
			Total Voc :	210				
			Total Concentration:	210				
Client ID:	**002 35th Ave (july)DL**							
Q2845-04DL	002 35th Ave (july)I	Water	Toluene	180	D	2.30	25.0	ug/L
			Total Voc :	180				
			Total Concentration:	180				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2845

Client: Tully Environmental, Inc

Analytical Method: SW624.1

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2845-01	001 willets Pt Blvd(july)	1,2-Dichloroethane-d4	30	29.7	99		91	110
		Toluene-d8	30	29.9	100		91	112
		4-Bromofluorobenzene	30	27.7	92		63	112
Q2845-04	002 35th Ave (july)	1,2-Dichloroethane-d4	30	30.0	100		91	110
		Toluene-d8	30	29.6	99		91	112
		4-Bromofluorobenzene	30	27.3	91		63	112
Q2845-04DL	002 35th Ave (july)DL	1,2-Dichloroethane-d4	30	29.9	100		91	110
		Toluene-d8	30	30.2	101		91	112
		4-Bromofluorobenzene	30	27.6	92		63	112
VN0818WBL01	VN0818WBL01	1,2-Dichloroethane-d4	30	28.5	95		91	110
		Toluene-d8	30	30.3	101		91	112
		4-Bromofluorobenzene	30	27.3	91		63	112
VN0818WBS01	VN0818WBS01	1,2-Dichloroethane-d4	30	28.4	95		91	110
		Toluene-d8	30	29.5	98		91	112
		4-Bromofluorobenzene	30	28.8	96		63	112
VN0818WBSD0	VN0818WBSD01	1,2-Dichloroethane-d4	30	29.5	98		91	110
		Toluene-d8	30	29.7	99		91	112
		4-Bromofluorobenzene	30	28.8	96		63	112

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2845 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087596.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0818WBS01	Benzene	20	17.9	ug/L	90			65	135	
	Toluene	20	18.0	ug/L	90			70	130	
	Ethyl Benzene	20	17.7	ug/L	89			60	140	
	m/p-Xylenes	40	36.0	ug/L	90			87	111	
	o-Xylene	20	17.8	ug/L	89			87	111	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2845 **Analytical Method:** SW624.1

Client: Tully Environmental, Inc **Datafile :** VN087597.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0818WBSD01	Benzene	20	17.6	ug/L	88	2		65	135	20
	Toluene	20	18.0	ug/L	90	0		70	130	20
	Ethyl Benzene	20	18.0	ug/L	90	1		60	140	20
	m/p-Xylenes	40	36.2	ug/L	91	1		87	111	20
	o-Xylene	20	17.7	ug/L	89	0		87	111	20

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0818WBL01

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2845

Lab File ID: VN087598.D | Lab Sample ID: VN0818WBL01

Date Analyzed: 08/18/2025 | Time Analyzed: 11:00

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
VN0818WBS01	VN0818WBS01	VN087596.D	08/18/2025
VN0818WBSD01	VN0818WBSD01	VN087597.D	08/18/2025
001 willets Pt Blvd(july)	Q2845-01	VN087599.D	08/18/2025
002 35th Ave (july)	Q2845-04	VN087600.D	08/18/2025
002 35th Ave (july)DL	Q2845-04DL	VN087601.D	08/18/2025

COMMENTS:

Raw Data: **VN087447.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: TULL01

Lab Code: ACE | SDG NO.: Q2845

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

Raw Data: **VN087594.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Contract: TULL01
Lab Code: ACE
SDG NO.: Q2845
Lab File ID: VN087594.D
BFB Injection Date: 08/18/2025
Instrument ID: MSVOA_N
BFB Injection Time: 08:56
GC Column: RXI-624 ID: 0.25 (mm)
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.2
75	30.0 - 60.0% of mass 95	55.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1 (1.5) 1
174	50.0 - 100.0% of mass 95	67.8
175	5.0 - 9.0% of mass 174	5.3 (7.8) 1
176	95.0 - 101.0% of mass 174	65.1 (96.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC020	VSTDCCC020	VN087595.D	08/18/2025	09:29
VN0818WBS01	VN0818WBS01	VN087596.D	08/18/2025	10:06
VN0818WBSD01	VN0818WBSD01	VN087597.D	08/18/2025	10:39
VN0818WBL01	VN0818WBL01	VN087598.D	08/18/2025	11:00
001 willets Pt Blvd(july)	Q2845-01	VN087599.D	08/18/2025	11:36
002 35th Ave (july)	Q2845-04	VN087600.D	08/18/2025	11:57
002 35th Ave (july)DL	Q2845-04DL	VN087601.D	08/18/2025	12:42

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2845

Lab File ID: VN087595.D Date Analyzed: 08/18/2025

Instrument ID: MSVOA_N Time Analyzed: 09:29

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	60212	7.80	341524	9.08	305141	11.85
UPPER LIMIT	120424	8.3	683048	9.582	610282	12.347
LOWER LIMIT	30106	7.3	170762	8.582	152571	11.347
EPA SAMPLE NO.						
001 willets Pt Blvd(july)	59234	7.80	334882	9.08	296304	11.85
002 35th Ave (july)	48558	7.80	265247	9.08	239168	11.85
002 35th Ave (july)DL	55447	7.79	303389	9.08	270310	11.85
VN0818WBL01	60369	7.80	336175	9.08	294352	11.85
VN0818WBS01	64865	7.80	356557	9.08	320424	11.85
VN0818WBSD01	61980	7.79	351353	9.08	310931	11.85

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: TULL01

Lab Code: ACE SDG NO.: Q2845

Lab File ID: VN087595.D Date Analyzed: 08/18/2025

Instrument ID: MSVOA_N Time Analyzed: 09:29

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

	IS4 AREA #	RT #				
12 HOUR STD	0	0				
UPPER LIMIT	0					
LOWER LIMIT	0					
EPA SAMPLE NO.						
001 willets Pt Blvd(july)	0	0.00				
002 35th Ave (july)	0	0.00				
002 35th Ave (july)DL	0	0.00				
VN0818WBL01	0	0.00				
VN0818WBS01	0	0.00				
VN0818WBSD01	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: **VN087599.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	08/12/25
Project:	Transfer Station-SPDES	Date Received:	08/13/25
Client Sample ID:	001 willets Pt Blvd(july)	SDG No.:	Q2845
Lab Sample ID:	Q2845-01	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087599.D	1	08/18/25 11:36	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	150		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.7		91 - 110	99%	SPK: 30
2037-26-5	Toluene-d8	29.9		91 - 112	100%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.7		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	59200	7.8			
540-36-3	1,4-Difluorobenzene	335000	9.083			
3114-55-4	Chlorobenzene-d5	296000	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\VN081825\
Data File : VN087599.D
Acq On : 18 Aug 2025 11:36
Operator : JC\MD
Sample : Q2845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Quant Time: Aug 18 15:12:08 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

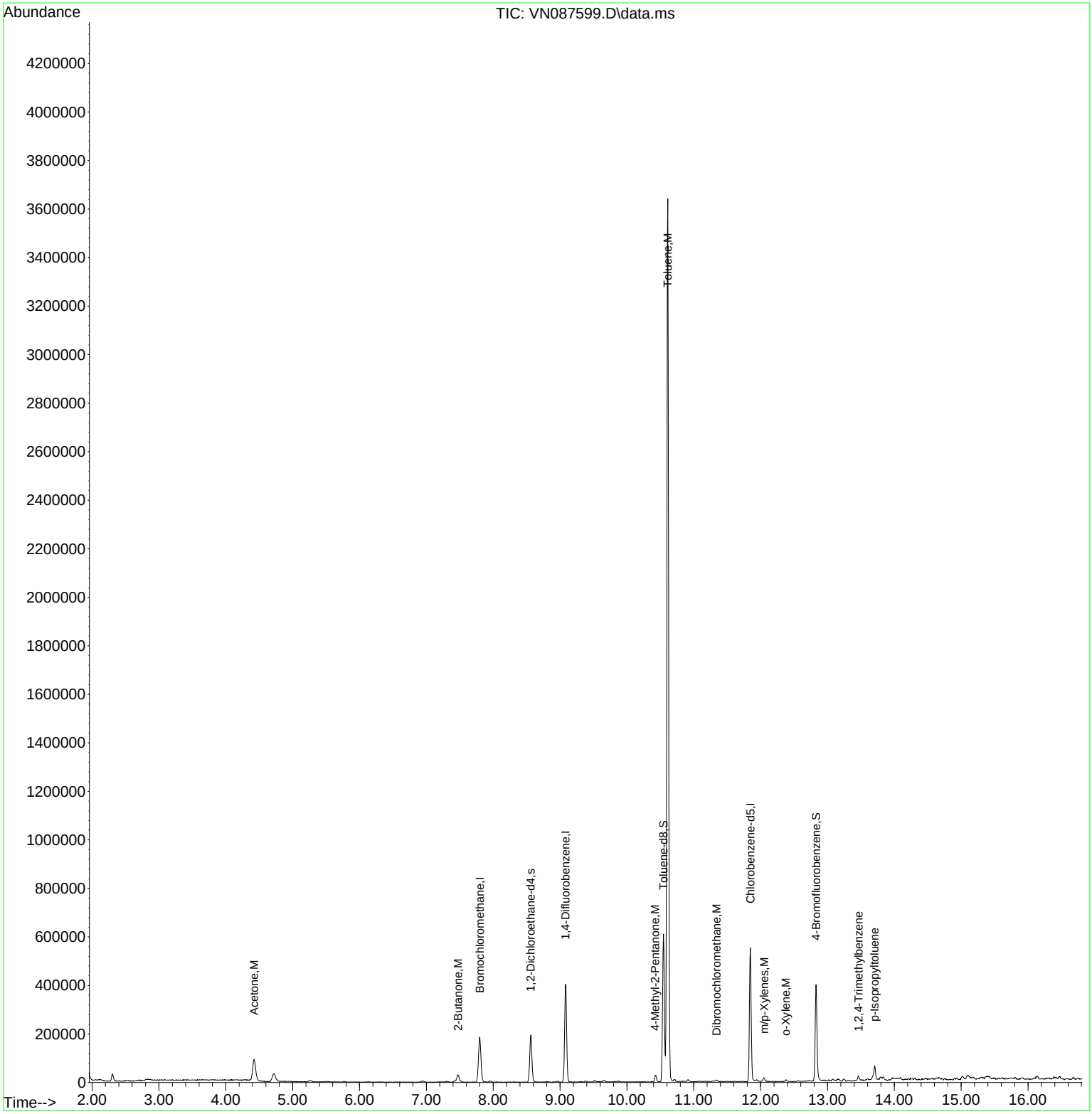
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	59234	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	334882	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	296304	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	162459	29.736	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.133%			
60) 4-Bromofluorobenzene	12.829	95	141026	27.656	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.200%			
63) Toluene-d8	10.547	98	407272	29.873	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 99.567%			
Target Compounds						Qvalue
15) Acetone	4.424	58	50426	67.510	ug/l	91
30) 2-Butanone	7.477	43	48748	12.108	ug/l #	84
53) Dibromochloromethane	11.341	129	3186	0.658	ug/l #	53
58) 4-Methyl-2-Pentanone	10.424	43	20204	2.651	ug/l #	82
62) Toluene	10.612	91	2676353	146.345	ug/l	100
67) m/p-Xylenes	12.053	106	3975	0.531	ug/l	95
68) o-Xylene	12.376	106	1650	0.224	ug/l	100
80) 1,2,4-Trimethylbenzene	13.465	105	10725	0.670	ug/l	96
82) p-Isopropyltoluene	13.706	119	29596	1.814	ug/l	98

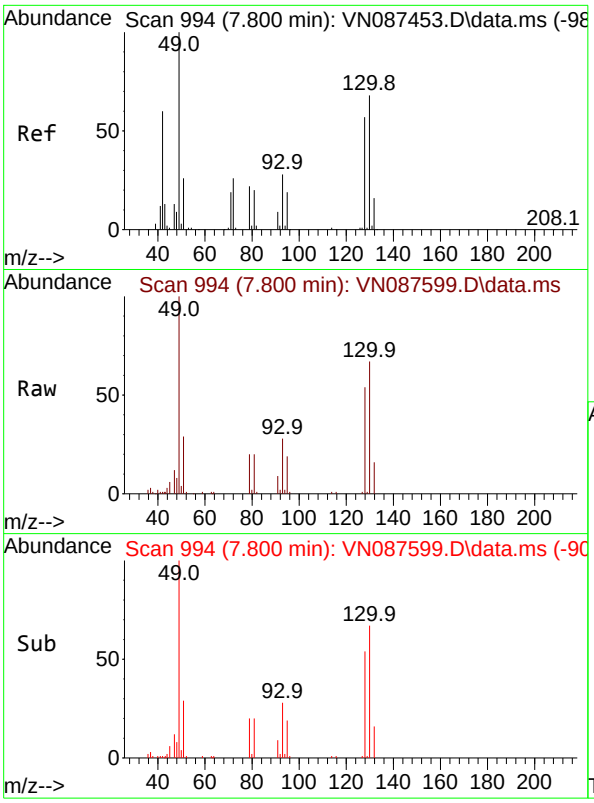
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087599.D
Acq On : 18 Aug 2025 11:36
Operator : JC\MD
Sample : Q2845-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Quant Time: Aug 18 15:12:08 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



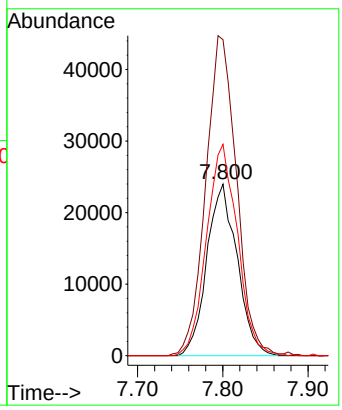


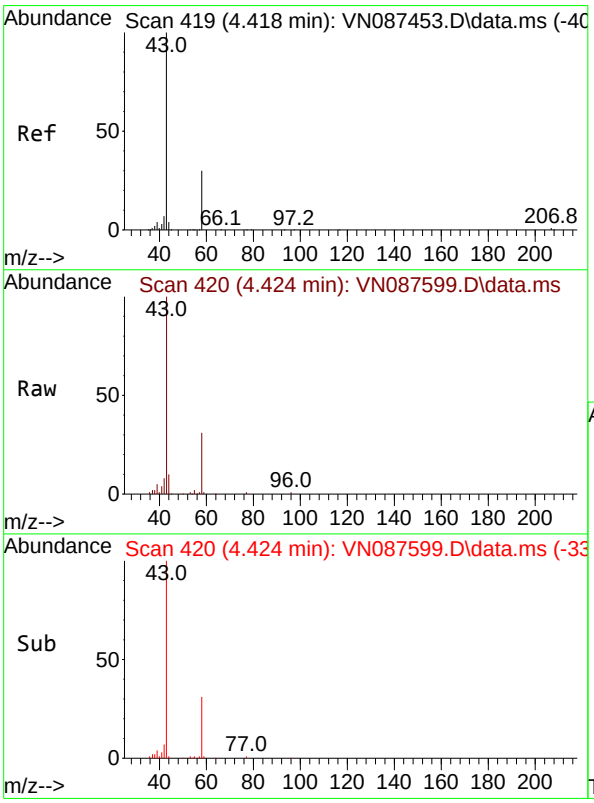
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion:128 Resp: 59234

Ion	Ratio	Lower	Upper
128	100		
49	189.0	0.0	494.8
130	126.0	0.0	321.5

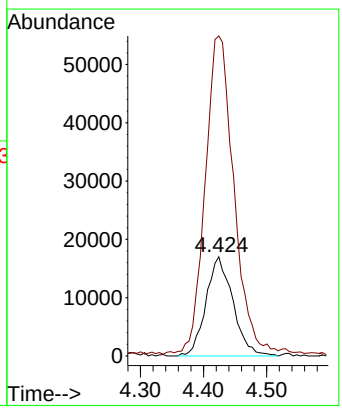


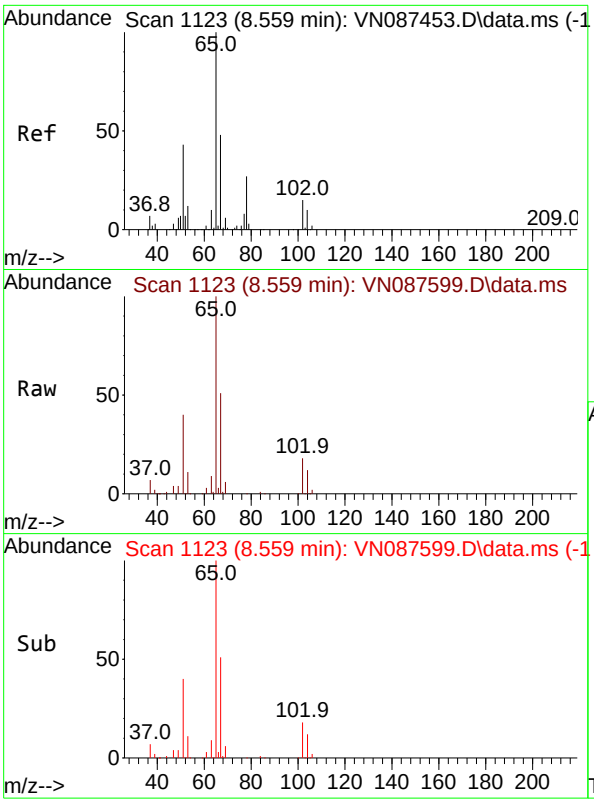


#15
Acetone
Concen: 67.510 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion: 58 Resp: 50426

Ion	Ratio	Lower	Upper
58	100		
43	317.7	268.9	403.3



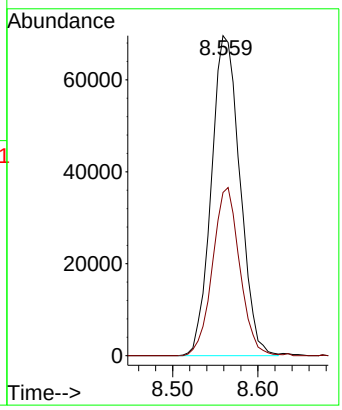


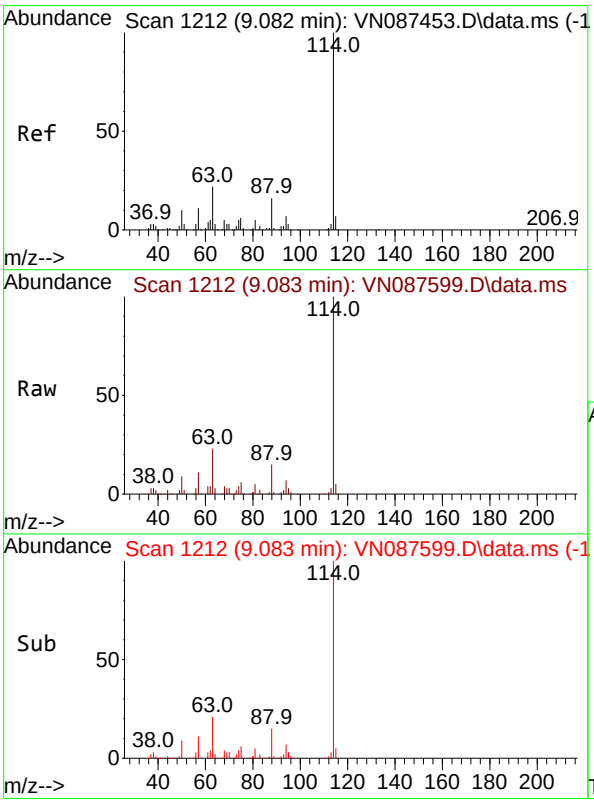
#27
1,2-Dichloroethane-d4
Concen: 29.736 ug/l
RT: 8.559 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion: 65 Resp: 162459

Ion	Ratio	Lower	Upper
65	100		
67	50.0	40.8	61.2

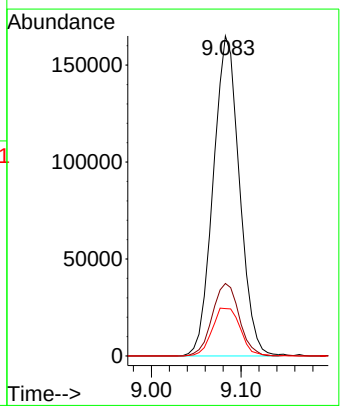


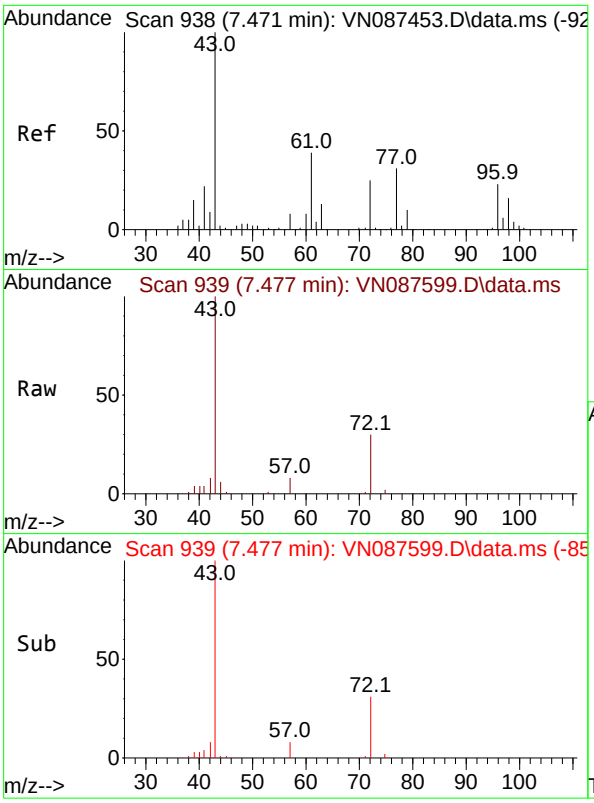


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:114 Resp: 334882

Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.9	28.3
88	16.0	13.1	19.7



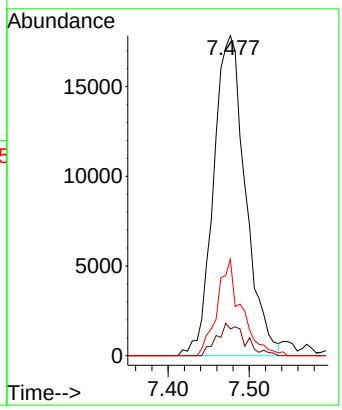


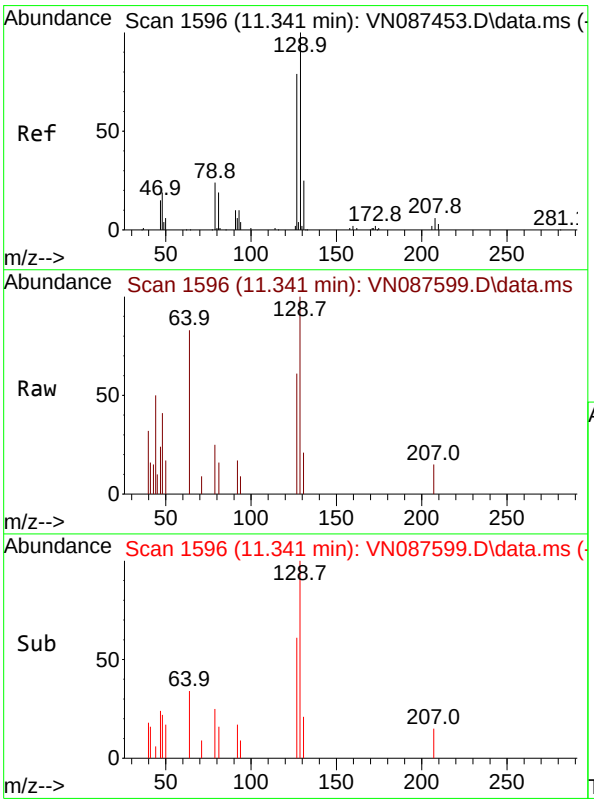
#30
2-Butanone
Concen: 12.108 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion: 43 Resp: 48748

Ion	Ratio	Lower	Upper
43	100		
57	4.7	6.6	9.8#
72	15.9	19.7	29.5#

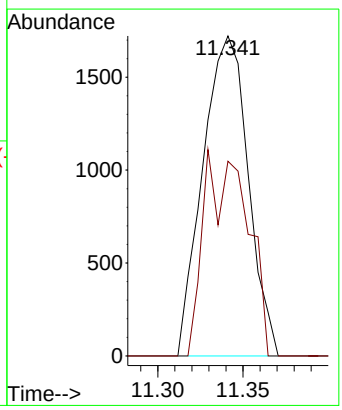


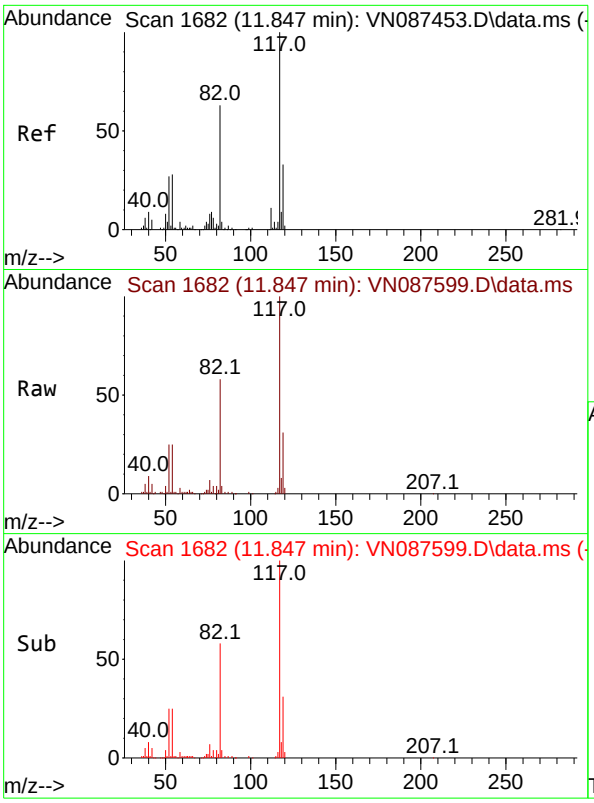


#53
Dibromochloromethane
Concen: 0.658 ug/l
RT: 11.341 min Scan# 1596
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:129 Resp: 3186

Ion	Ratio	Lower	Upper
129	100		
127	37.0	39.1	117.3#



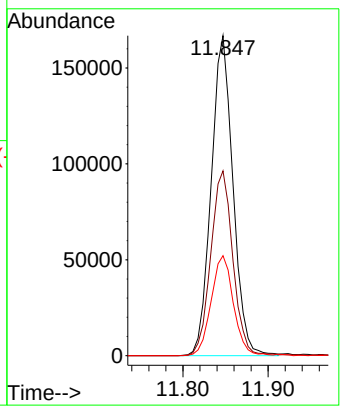


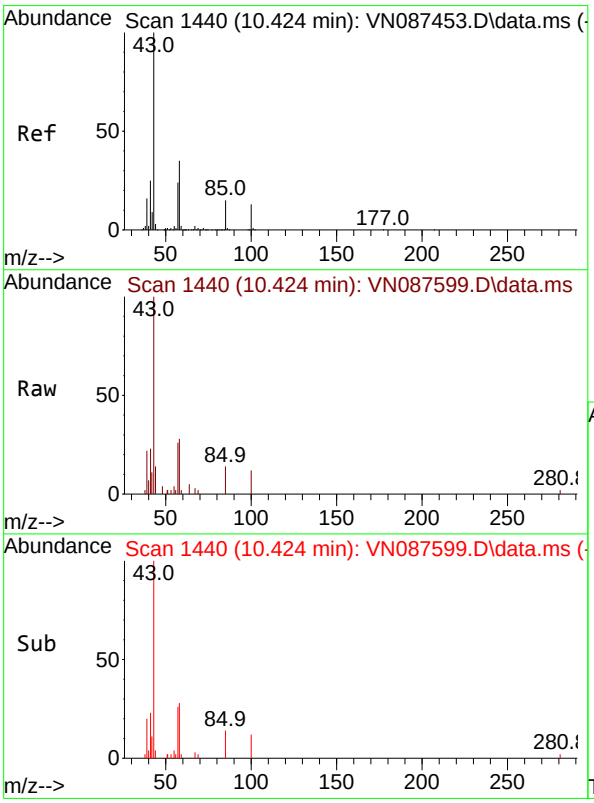
#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion:117 Resp: 296304

Ion	Ratio	Lower	Upper
117	100		
82	58.6	49.2	73.8
119	32.0	25.7	38.5

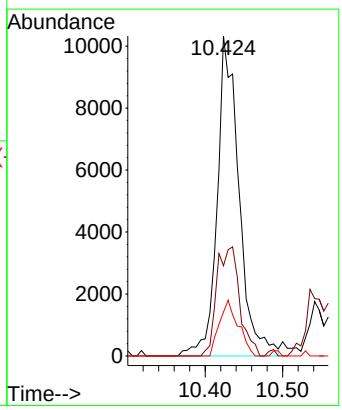


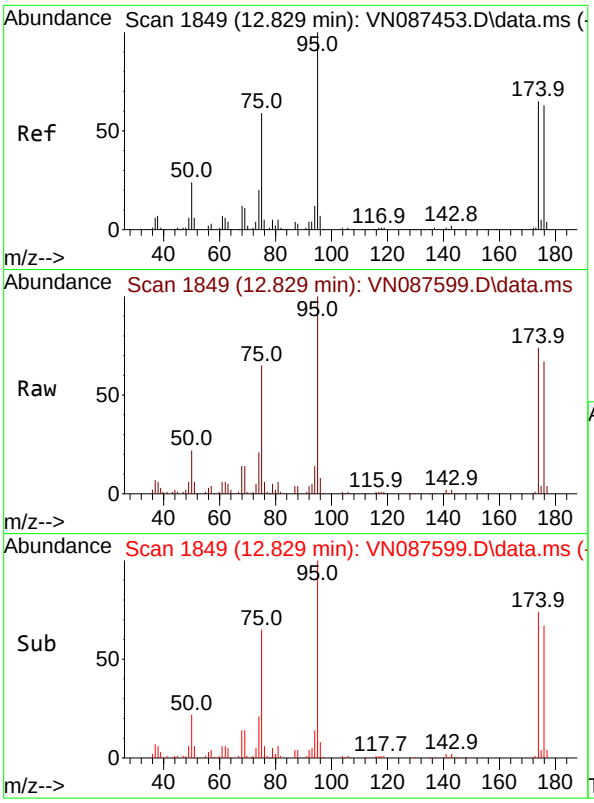


#58
4-Methyl-2-Pentanone
Concen: 2.651 ug/l
RT: 10.424 min Scan# 1440
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion: 43 Resp: 20204

Ion	Ratio	Lower	Upper
43	100		
58	21.4	29.0	43.6#
85	15.1	12.7	19.1



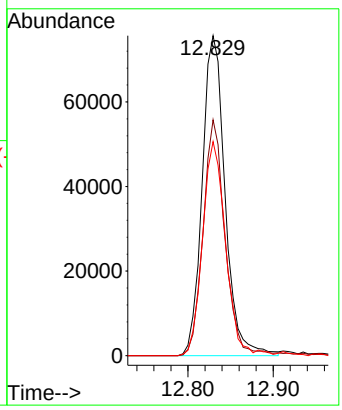


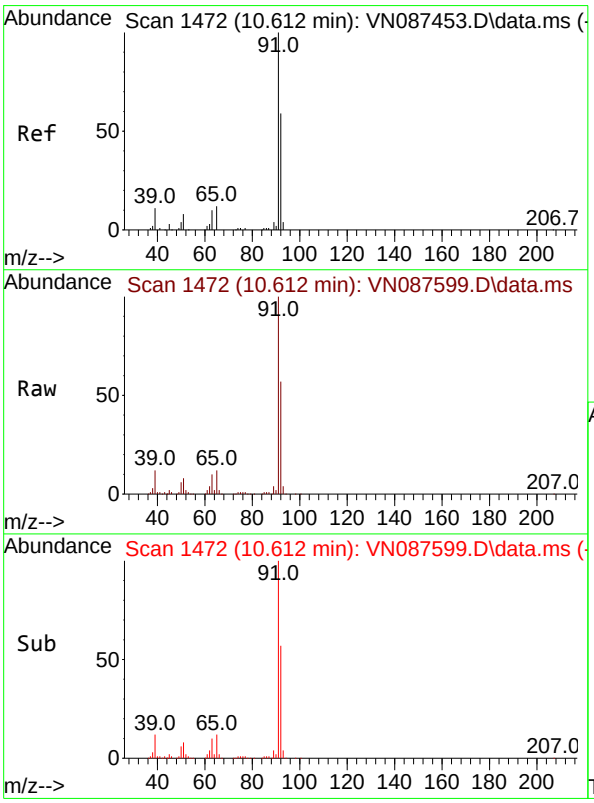
#60
4-Bromofluorobenzene
Concen: 27.656 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion: 95 Resp: 141026

Ion	Ratio	Lower	Upper
95	100		
174	69.6	52.3	78.5
176	66.5	49.8	74.8

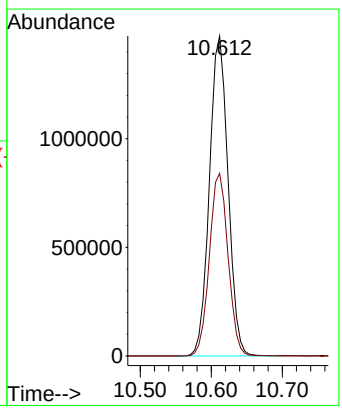


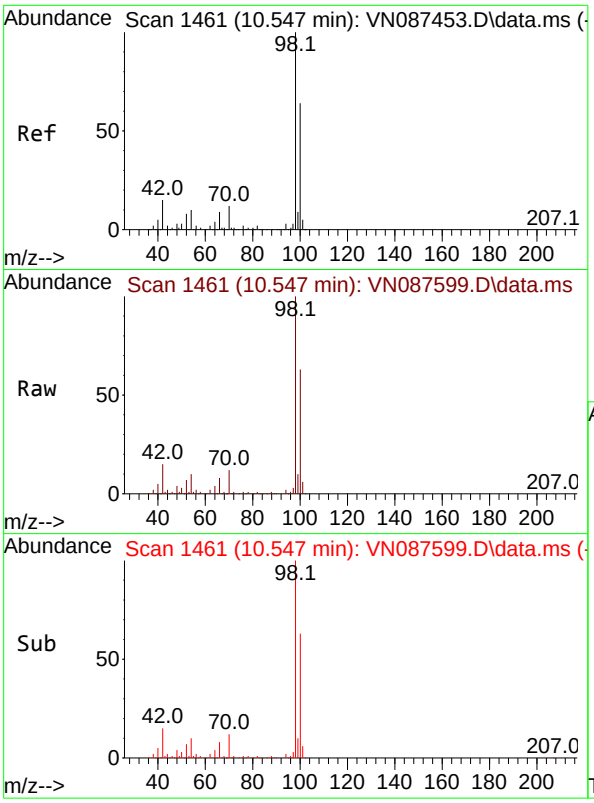


#62
Toluene
Concen: 146.345 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion: 91 Resp: 2676353

Ion	Ratio	Lower	Upper
91	100		
92	57.2	45.8	68.6



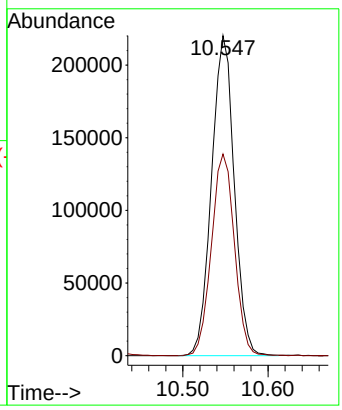


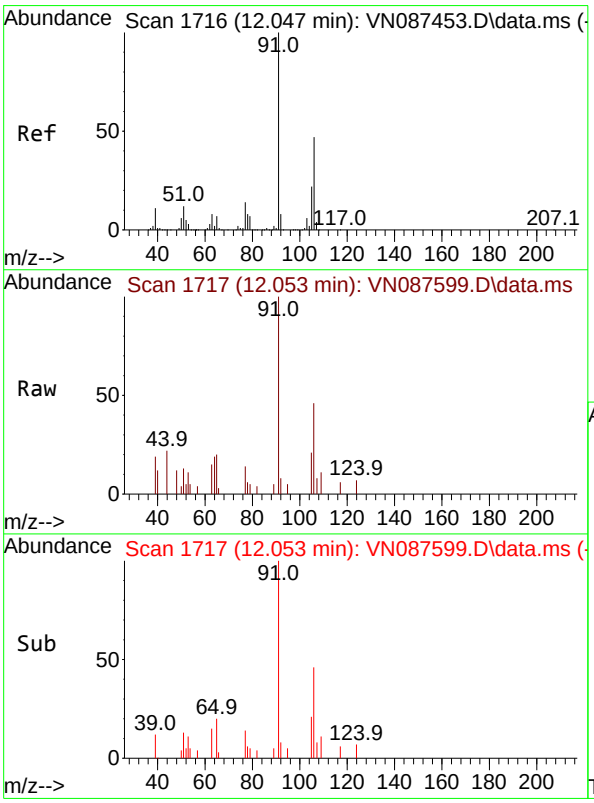
#63
Toluene-d8
Concen: 29.873 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion: 98 Resp: 407272

Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.5	75.7

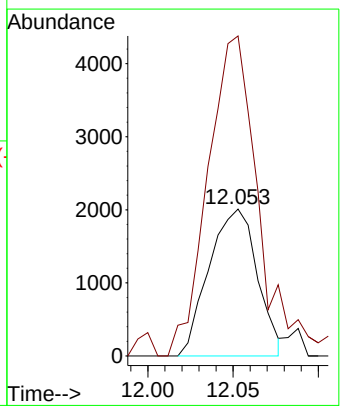


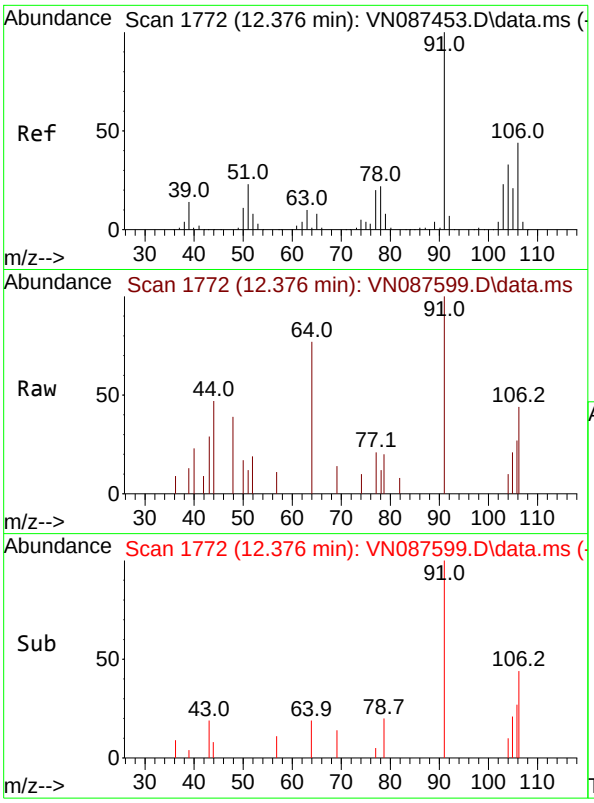


#67
m/p-Xylenes
Concen: 0.531 ug/l
RT: 12.053 min Scan# 1717
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:106 Resp: 3975

Ion	Ratio	Lower	Upper
106	100		
91	226.1	174.2	261.2



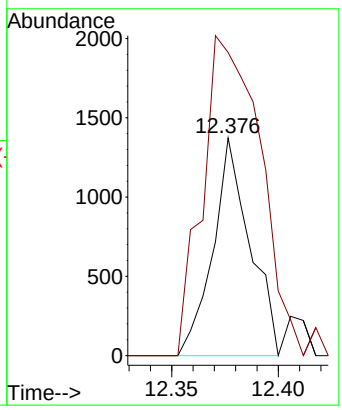


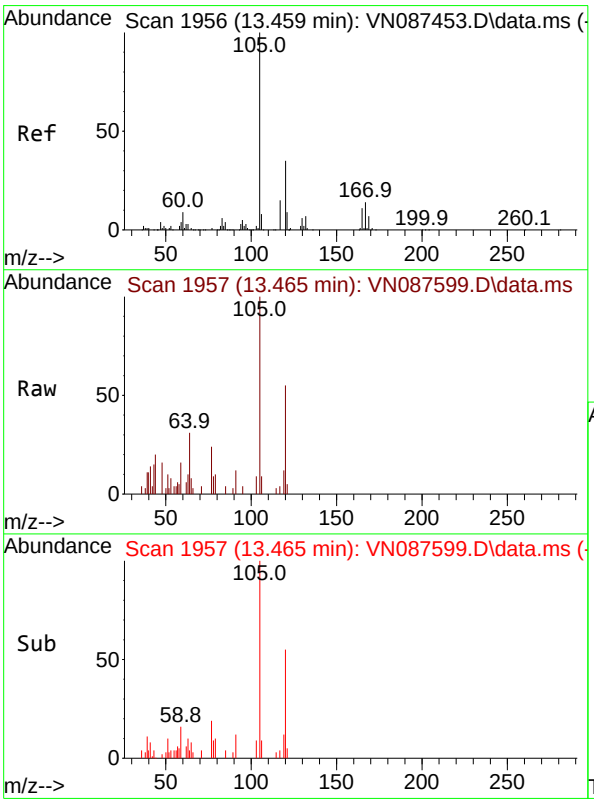
#68
o-Xylene
Concen: 0.224 ug/l
RT: 12.376 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion:106 Resp: 1650

Ion	Ratio	Lower	Upper
106	100		
91	229.8	114.5	343.5

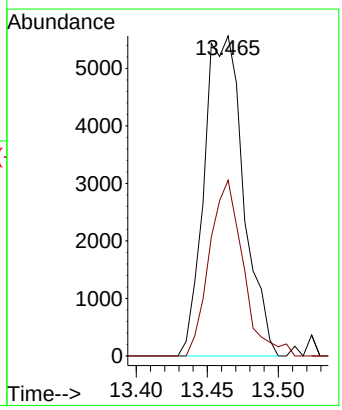


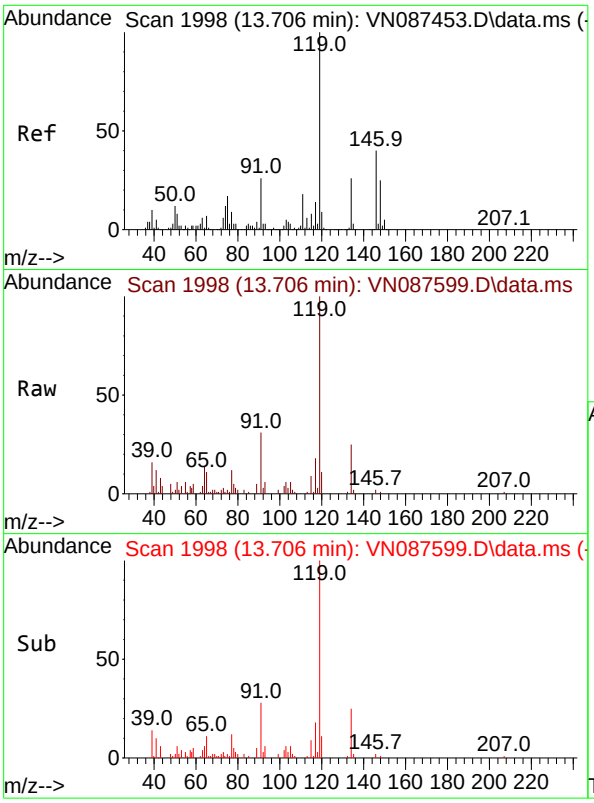


#80
1,2,4-Trimethylbenzene
Concen: 0.670 ug/l
RT: 13.465 min Scan# 1957
Delta R.T. 0.006 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Tgt Ion:105 Resp: 10725

Ion	Ratio	Lower	Upper
105	100		
120	46.5	0.0	87.2



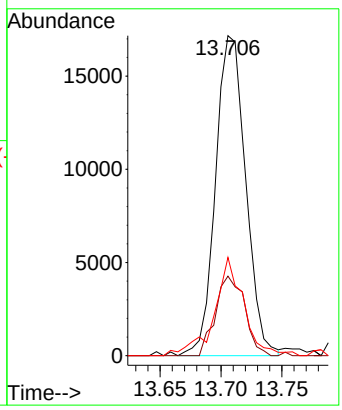


#82
p-Isopropyltoluene
Concen: 1.814 ug/l
RT: 13.706 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087599.D
Acq: 18 Aug 2025 11:36

Instrument :
MSVOA_N
ClientSampleId :
001 willets Pt Blvd(july)

Tgt Ion:119 Resp: 29596

Ion	Ratio	Lower	Upper
119	100		
134	24.0	0.0	51.4
91	25.4	0.0	52.0



Raw Data: **VN087600.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	08/12/25
Project:	Transfer Station-SPDES	Date Received:	08/13/25
Client Sample ID:	002 35th Ave (july)	SDG No.:	Q2845
Lab Sample ID:	Q2845-04	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087600.D	1	08/18/25 11:57	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	210	E	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	29.6		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.3		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	48600	7.8			
540-36-3	1,4-Difluorobenzene	265000	9.083			
3114-55-4	Chlorobenzene-d5	239000	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\VN081825\
Data File : VN087600.D
Acq On : 18 Aug 2025 11:57
Operator : JC\MD
Sample : Q2845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Aug 18 15:12:13 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 :
002 35th Ave (july)

Manual Integrations APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	48558	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	265247	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	239168	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	134274	29.980	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.933%			
60) 4-Bromofluorobenzene	12.823	95	112209	27.262	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 90.867%			
63) Toluene-d8	10.547	98	325480	29.576	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.600%			
Target Compounds						Qvalue
15) Acetone	4.424	58	67446	110.148	ug/l	97
30) 2-Butanone	7.477	43	65833	20.644	ug/l #	82
58) 4-Methyl-2-Pentanone	10.429	43	25640	4.167	ug/l	99
62) Toluene	10.612	91	3077162	208.459	ug/l	100
66) Ethyl Benzene	11.941	91	4783m	0.291	ug/l	
76) 1,3,5-Trimethylbenzene	13.147	105	4059	0.314	ug/l	78
80) 1,2,4-Trimethylbenzene	13.465	105	13024	1.008	ug/l	95
82) p-Isopropyltoluene	13.706	119	30022	2.279	ug/l	93
91) Naphthalene	15.611	128	5978	0.412	ug/l	96

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

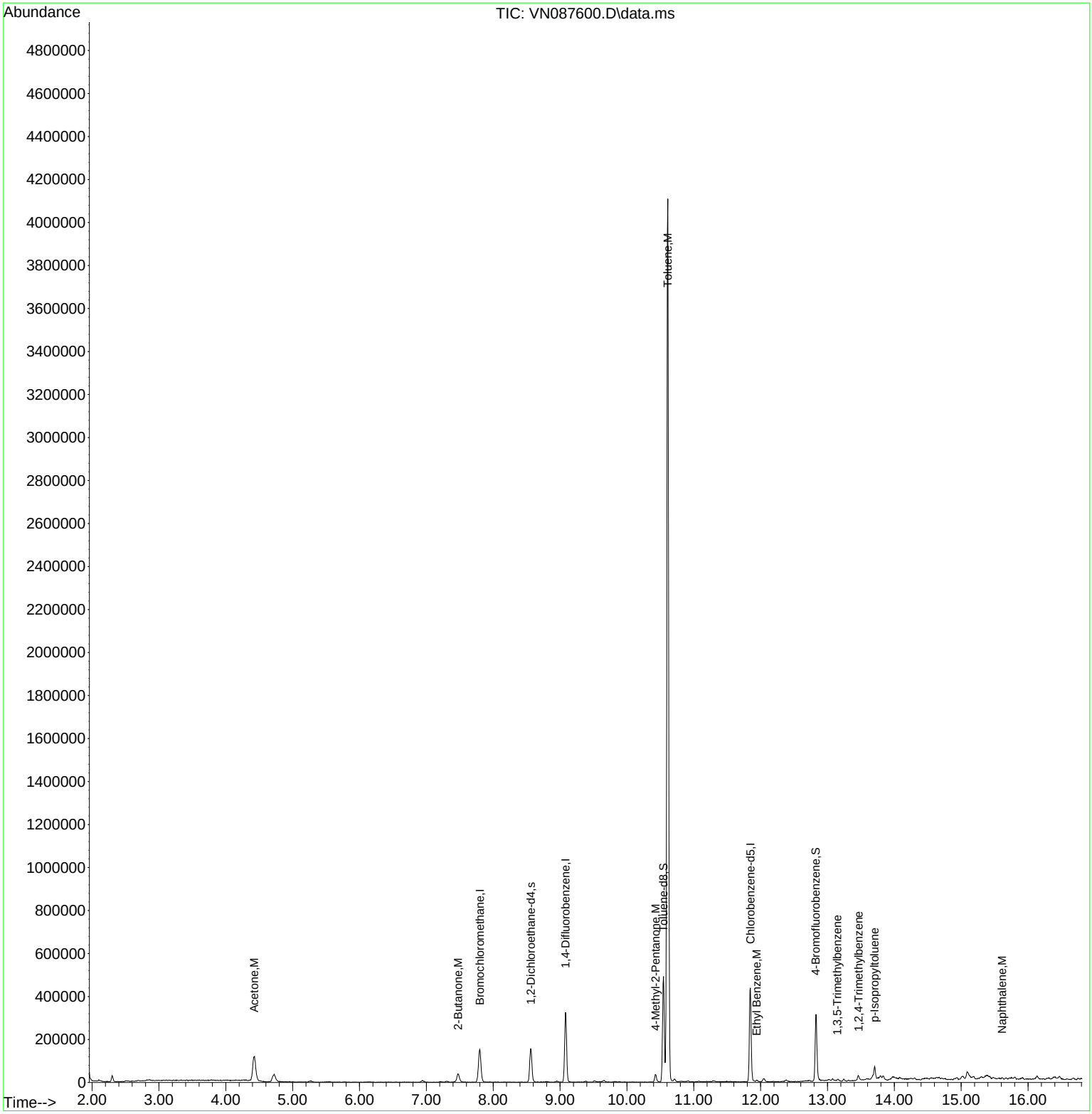
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087600.D
Acq On : 18 Aug 2025 11:57
Operator : JC\MD
Sample : Q2845-04
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

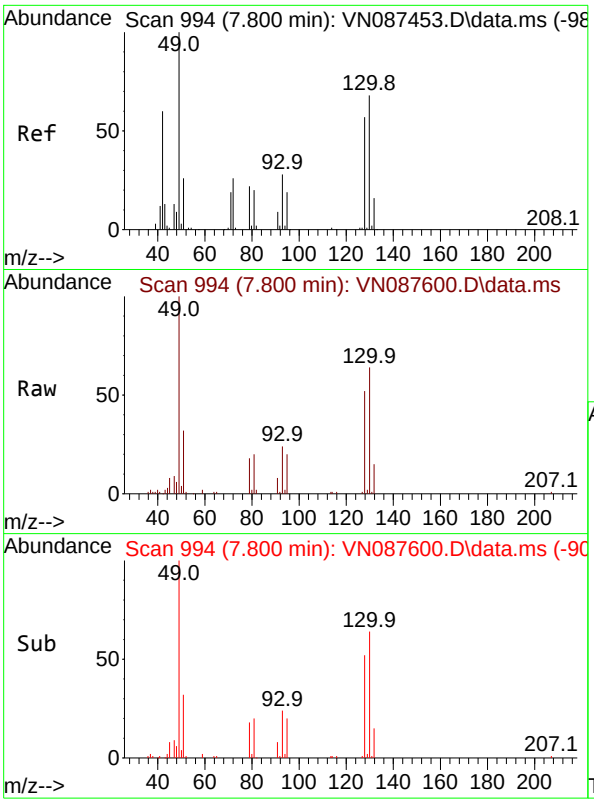
Quant Time: Aug 18 15:12:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Quant Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
QLast Update : Wed Aug 06 02:01:21 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

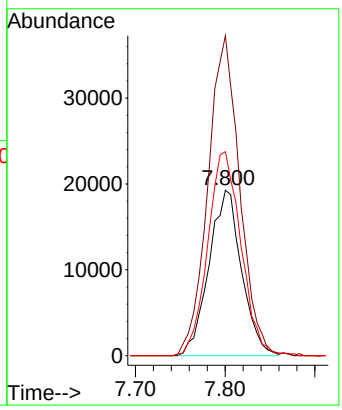




#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:128 Resp: 4855

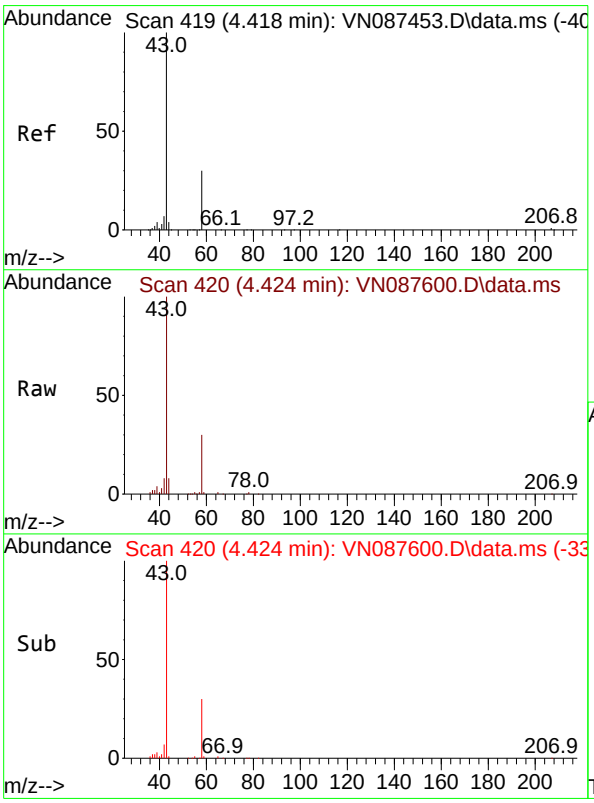
Ion	Ratio	Lower	Upper
128	100		
49	188.7	0.0	494.8
130	125.6	0.0	321.5



Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

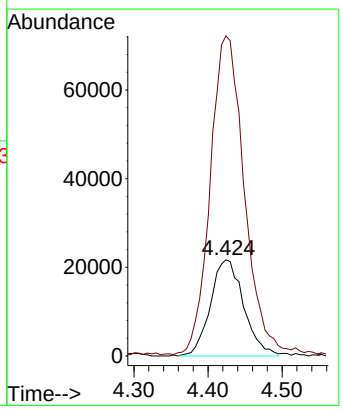
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

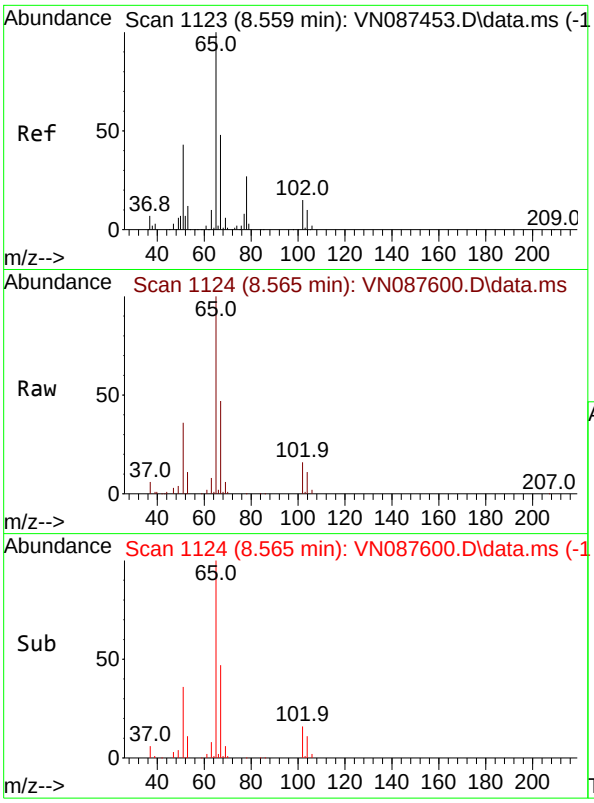


#15
Acetone
Concen: 110.148 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 58 Resp: 67446

Ion	Ratio	Lower	Upper
58	100		
43	329.4	268.9	403.3





#27
1,2-Dichloroethane-d4
Concen: 29.980 ug/l
RT: 8.565 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

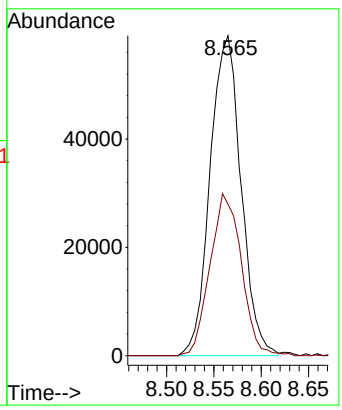
Tgt Ion: 65 Resp: 13427

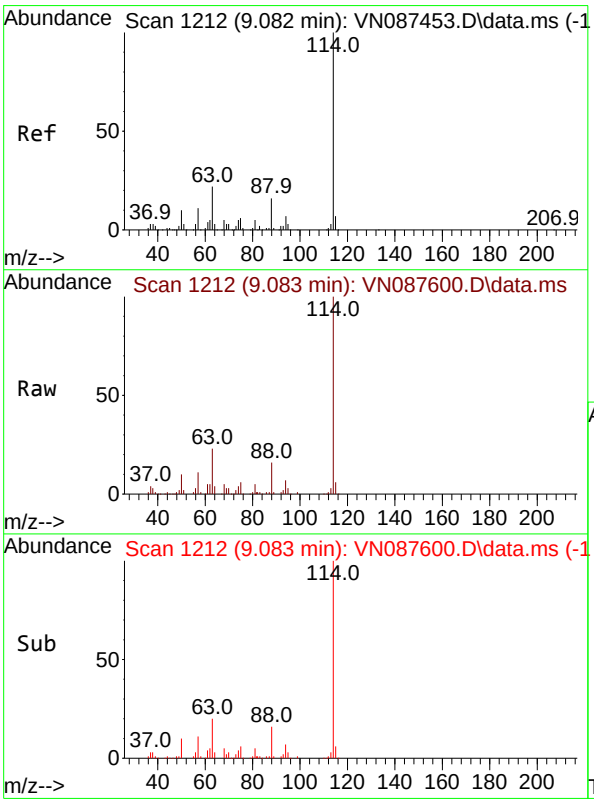
Ion	Ratio	Lower	Upper
65	100		
67	51.4	40.8	61.2

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

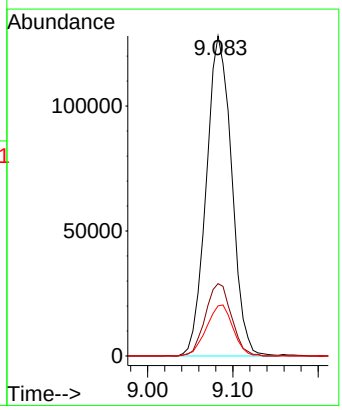


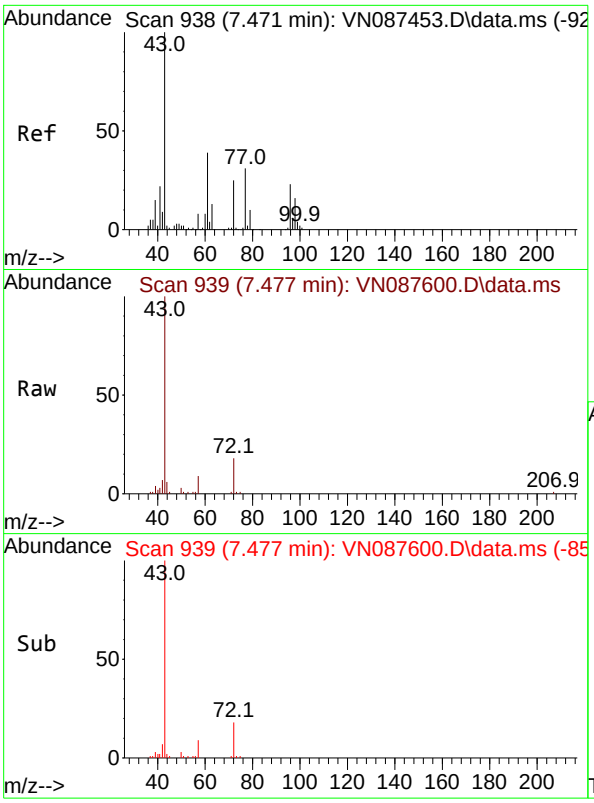


#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.083 min Scan# 1212
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:114 Resp: 265247

Ion	Ratio	Lower	Upper
114	100		
63	23.2	18.9	28.3
88	16.6	13.1	19.7





#30
2-Butanone
Concen: 20.644 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

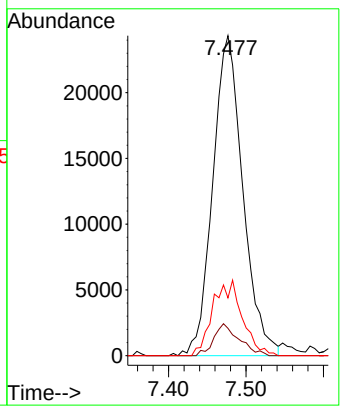
Tgt Ion: 43 Resp: 6583

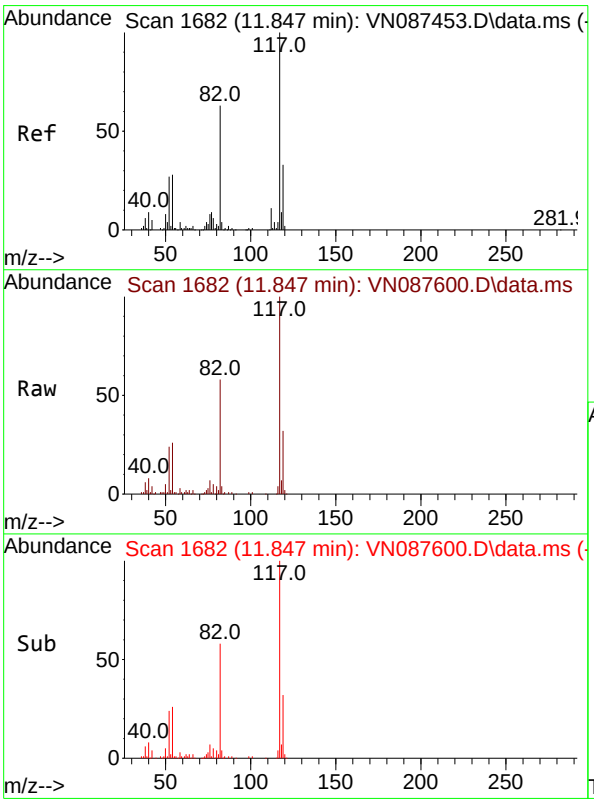
Ion	Ratio	Lower	Upper
43	100		
57	8.4	6.6	9.8
72	13.0	19.7	29.5#

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

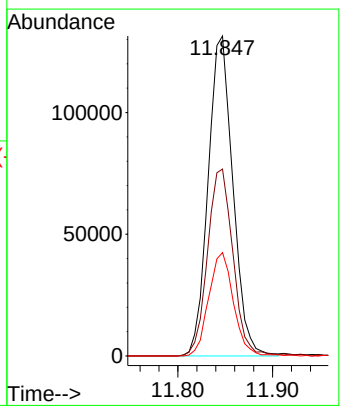


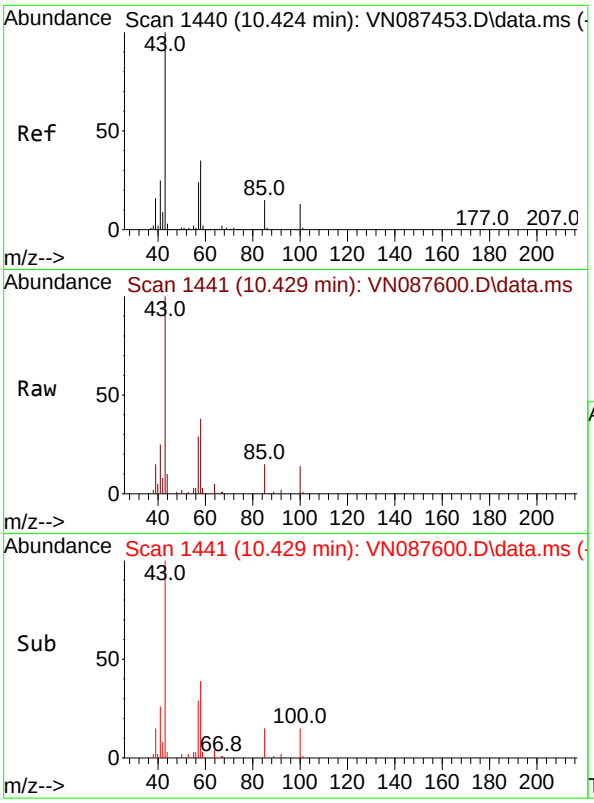


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:117 Resp: 239168

Ion	Ratio	Lower	Upper
117	100		
82	59.8	49.2	73.8
119	31.9	25.7	38.5





#58
4-Methyl-2-Pentanone
Concen: 4.167 ug/l
RT: 10.429 min Scan# 14
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

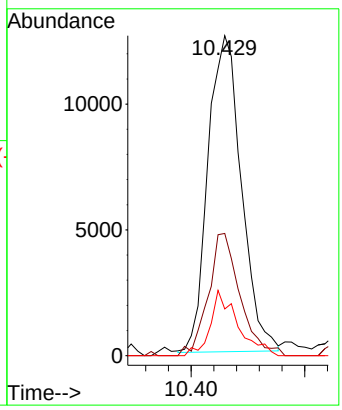
Tgt Ion: 43 Resp: 2564

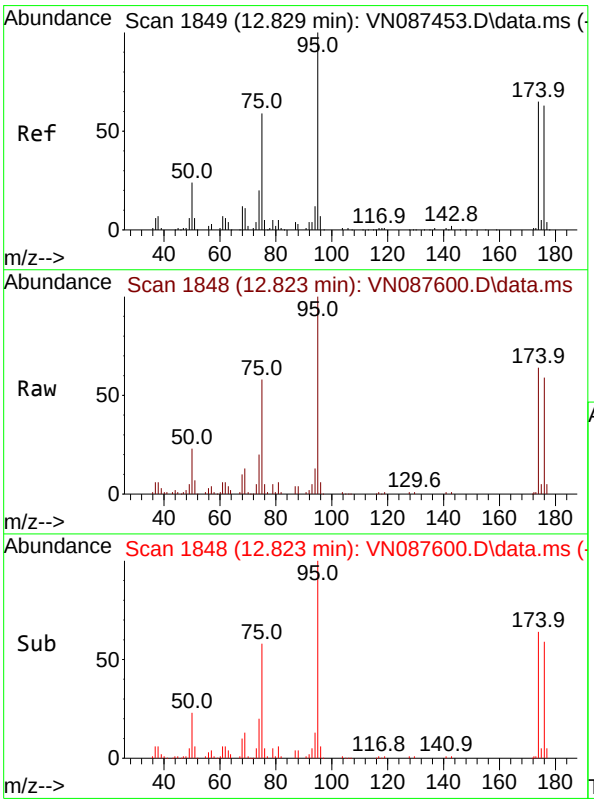
Ion	Ratio	Lower	Upper
43	100		
58	36.4	29.0	43.6
85	17.0	12.7	19.1

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

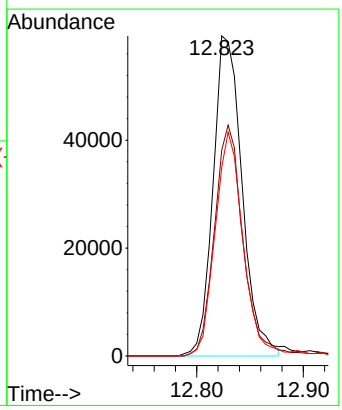


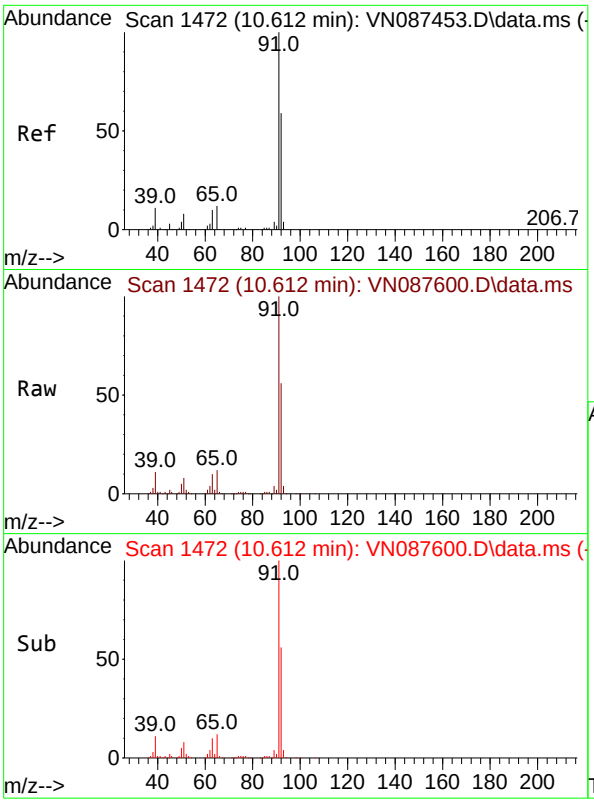


#60
4-Bromofluorobenzene
Concen: 27.262 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 95 Resp: 112209

Ion	Ratio	Lower	Upper
95	100		
174	71.0	52.3	78.5
176	67.1	49.8	74.8

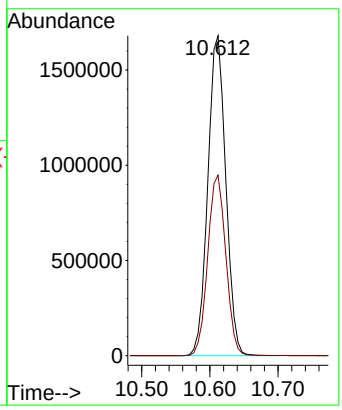




#62
Toluene
Concen: 208.459 ug/l
RT: 10.612 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 91 Resp: 307716

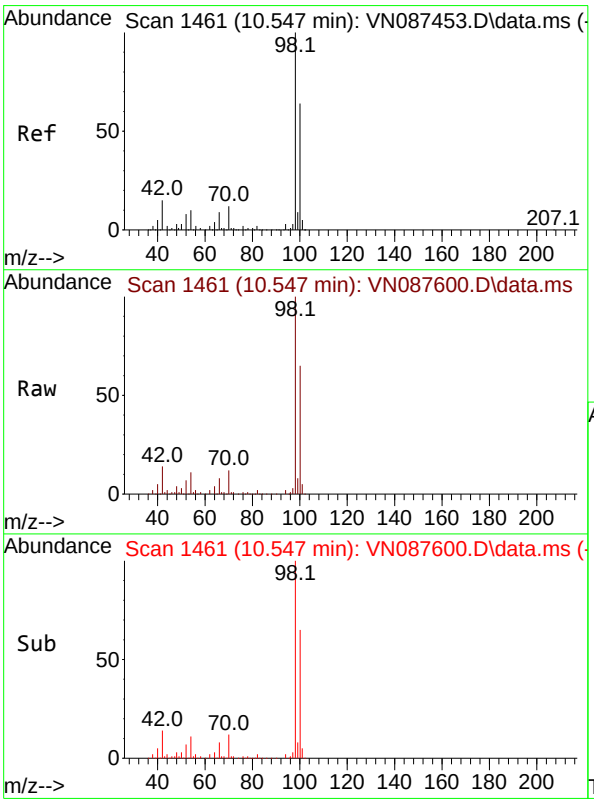
Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.6



Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

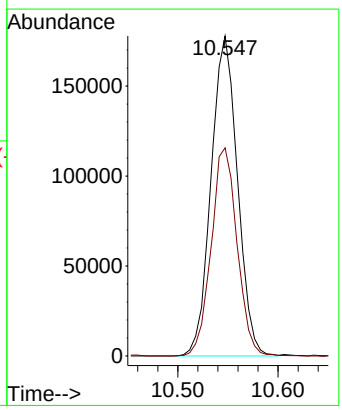
Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

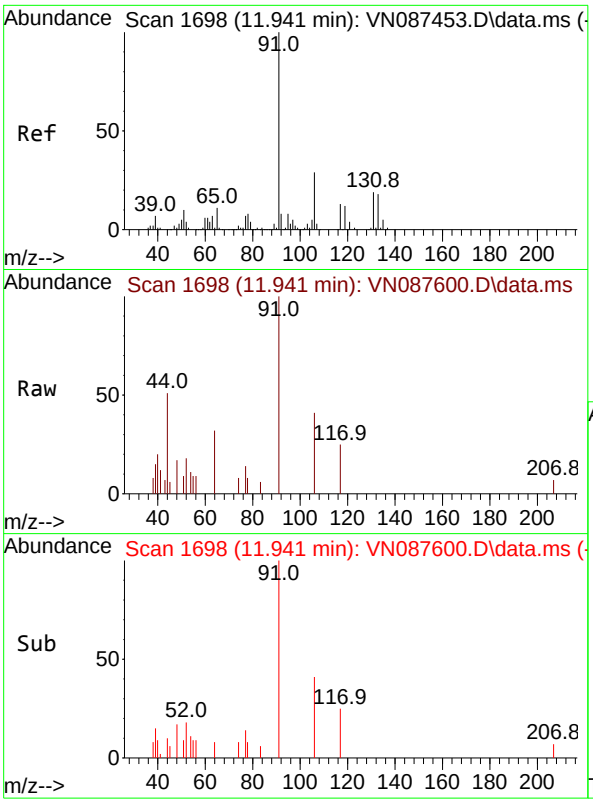


#63
Toluene-d8
Concen: 29.576 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 98 Resp: 325480

Ion	Ratio	Lower	Upper
98	100		
100	63.8	50.5	75.7

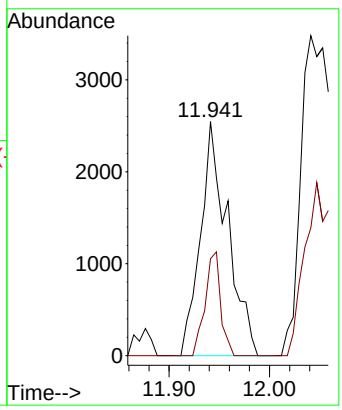




#66
Ethyl Benzene
Concen: 0.291 ug/l m
RT: 11.941 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion: 91 Resp: 478

Ion	Ratio	Lower	Upper
91	100		
106	41.4	22.9	34.3#



Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
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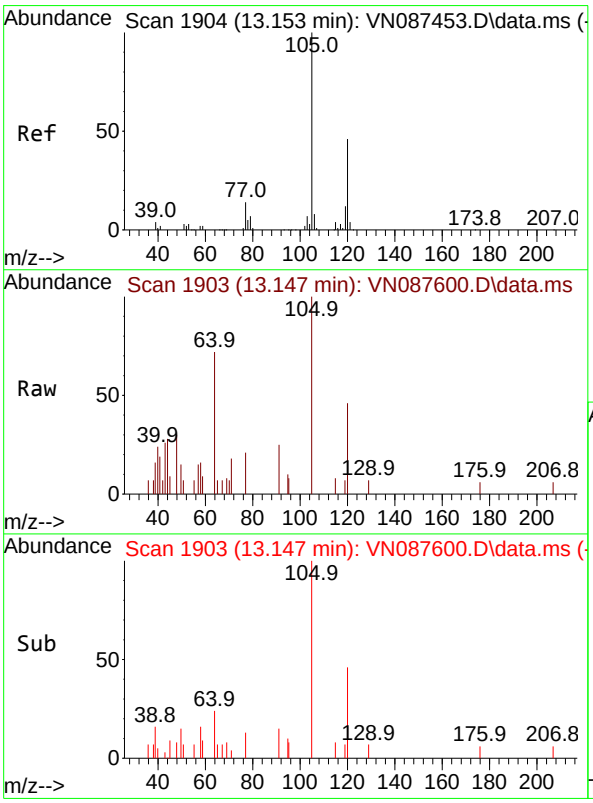
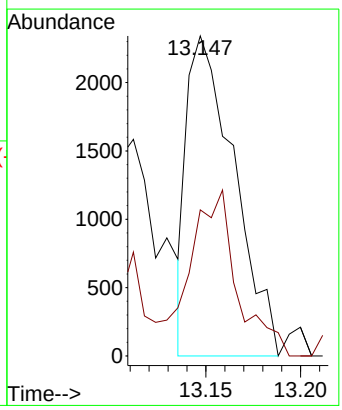
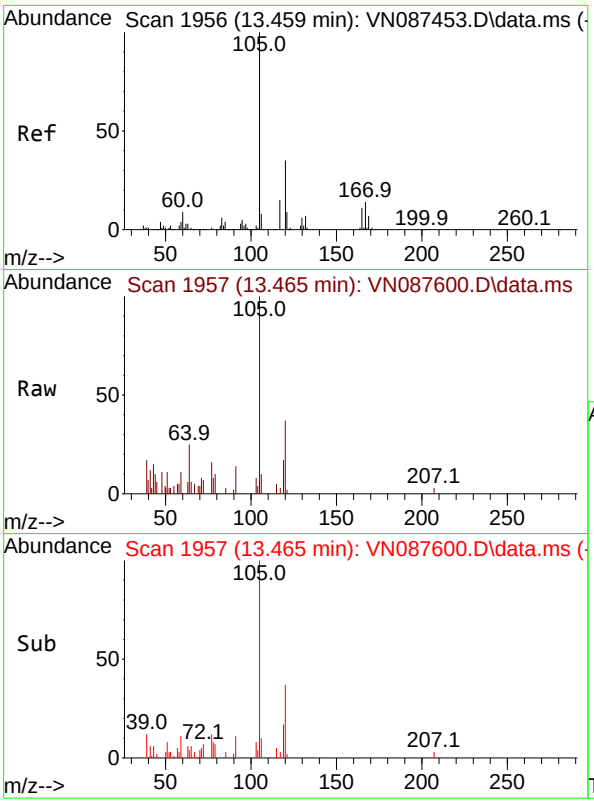


#76
1,3,5-Trimethylbenzene
Concen: 0.314 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:105 Resp: 4059

Ion	Ratio	Lower	Upper
105	100		
120	31.3	0.0	91.2





#80
1,2,4-Trimethylbenzene
Concen: 1.008 ug/l
RT: 13.465 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

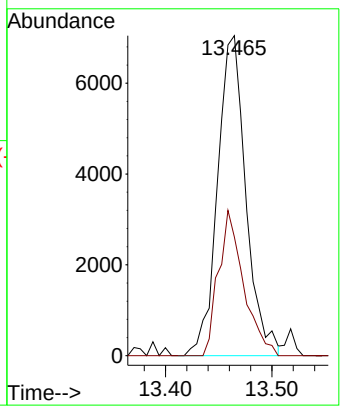
Tgt Ion:105 Resp: 1302

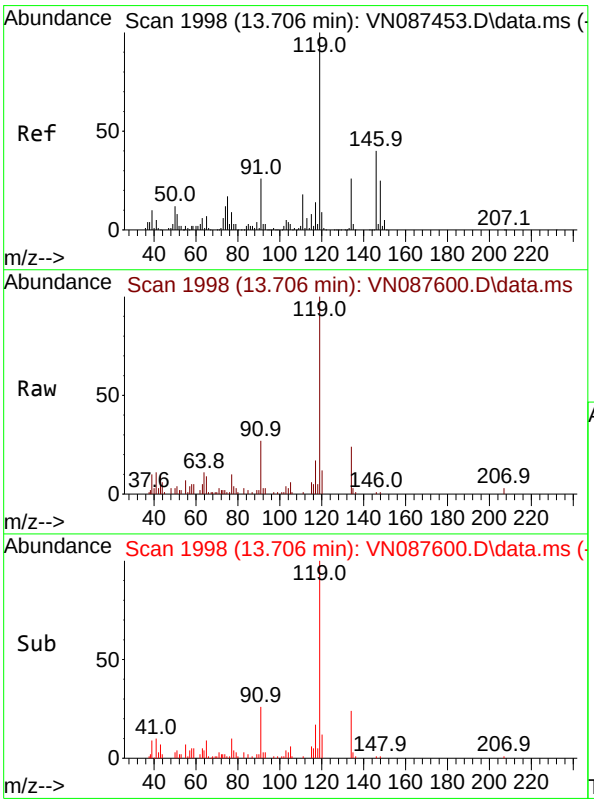
Ion	Ratio	Lower	Upper
105	100		
120	40.3	0.0	87.2

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

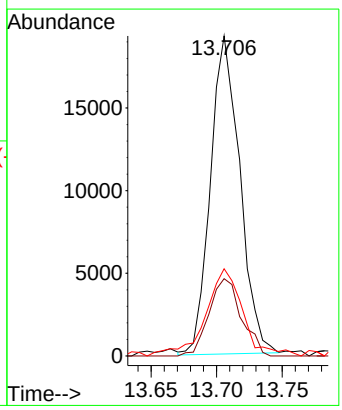


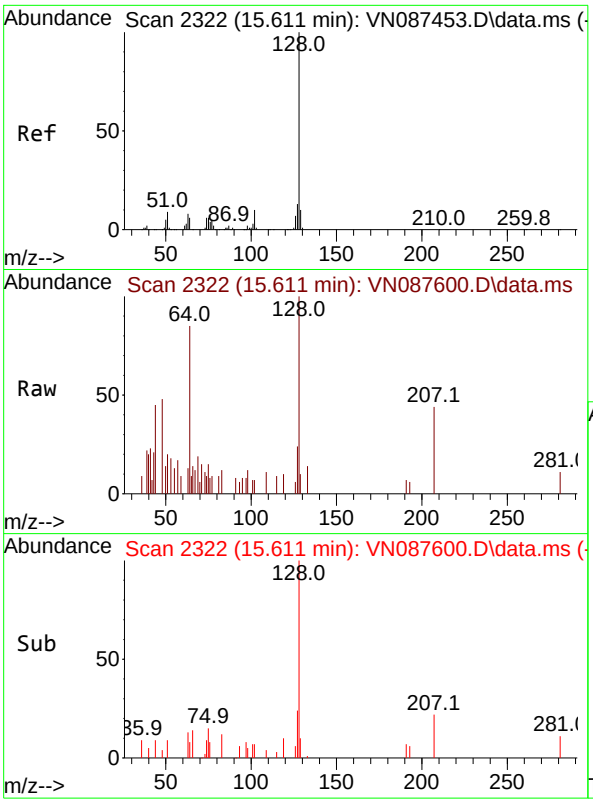


#82
p-Isopropyltoluene
Concen: 2.279 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:119 Resp: 30022

Ion	Ratio	Lower	Upper
119	100		
134	26.8	0.0	51.4
91	32.4	0.0	52.0

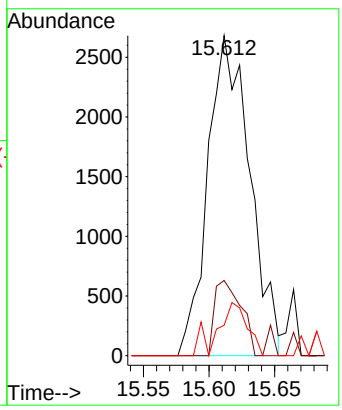




#91
Naphthalene
Concen: 0.412 ug/l
RT: 15.611 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087600.D
Acq: 18 Aug 2025 11:57

Tgt Ion:128 Resp: 597

Ion	Ratio	Lower	Upper
128	100		
127	14.8	10.2	15.4
129	10.2	8.9	13.3



Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)

Manual Integrations
APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

Raw Data: **VN087601.D**

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

Report of Analysis

Client:	Tully Environmental, Inc	Date Collected:	08/12/25
Project:	Transfer Station-SPDES	Date Received:	08/13/25
Client Sample ID:	002 35th Ave (july)DL	SDG No.:	Q2845
Lab Sample ID:	Q2845-04DL	Matrix:	Water
Analytical Method:	E624.1	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-BTEX
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087601.D	5	08/18/25 12:42	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	2.30	UD	2.30	25.0	ug/L
108-88-3	Toluene	180	D	2.30	25.0	ug/L
100-41-4	Ethyl Benzene	2.80	UD	2.80	25.0	ug/L
179601-23-1	m/p-Xylenes	6.50	UD	6.50	50.0	ug/L
95-47-6	o-Xylene	3.40	UD	3.40	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	30.0		91 - 110	100%	SPK: 30
2037-26-5	Toluene-d8	30.2		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.6		63 - 112	92%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	55400	7.794			
540-36-3	1,4-Difluorobenzene	303000	9.082			
3114-55-4	Chlorobenzene-d5	270000	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\VN081825\
Data File : VN087601.D
Acq On : 18 Aug 2025 12:42
Operator : JC\MD
Sample : Q2845-04DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Quant Time: Aug 18 15:12:18 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

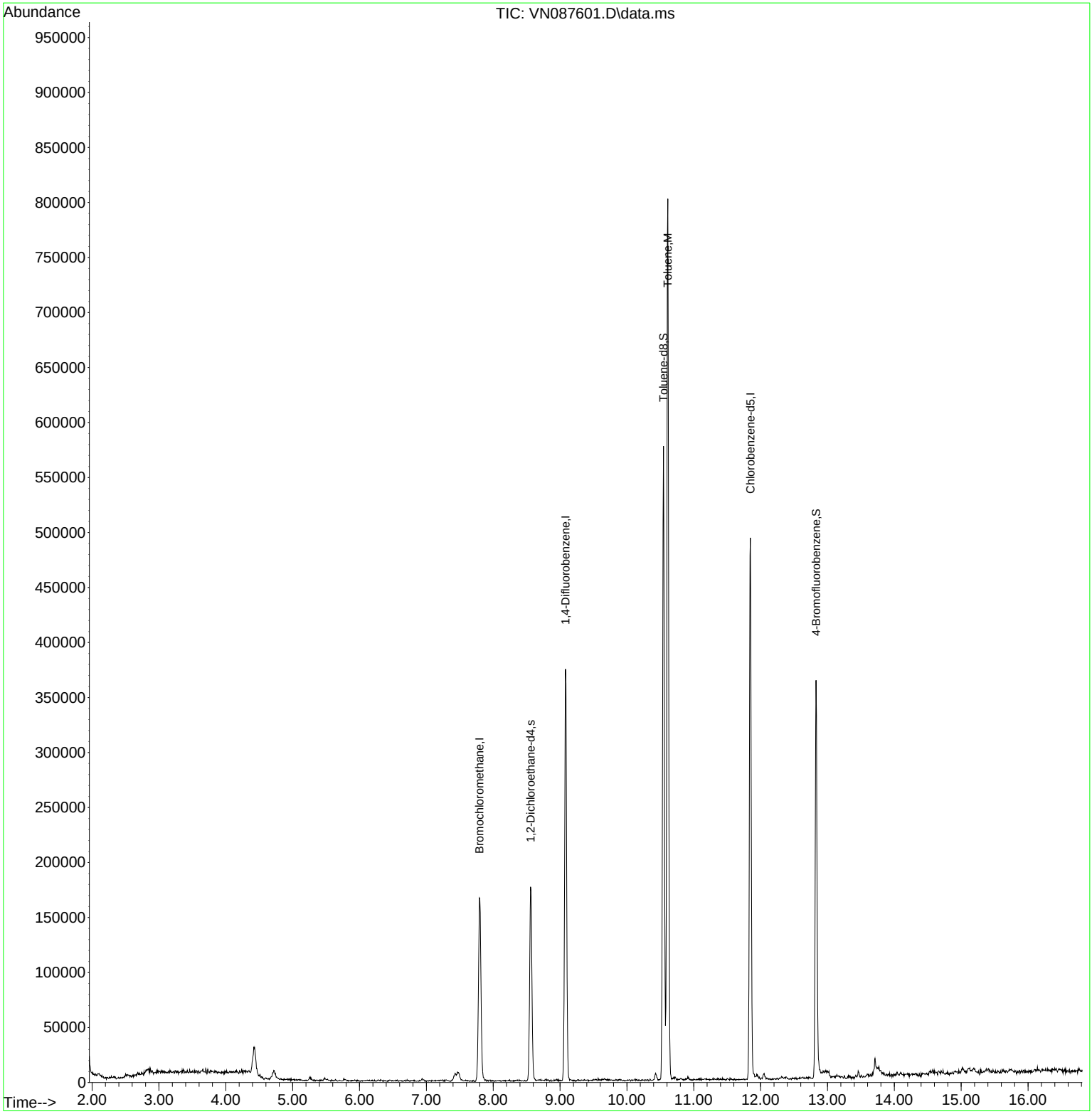
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.794	128	55447	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	303389	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	270310	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	153196	29.955	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 99.867%			
60) 4-Bromofluorobenzene	12.829	95	128376	27.597	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 92.000%			
63) Toluene-d8	10.547	98	375129	30.161	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 100.533%			
Target Compounds						Qvalue
62) Toluene	10.612	91	592568	35.518	ug/l	100

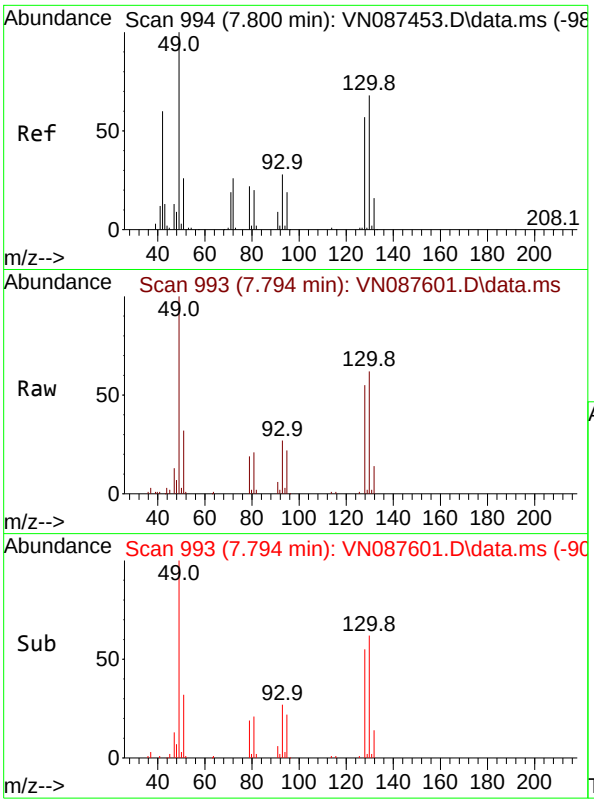
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087601.D
Acq On : 18 Aug 2025 12:42
Operator : JC\MD
Sample : Q2845-04DL 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Quant Time: Aug 18 15:12:18 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



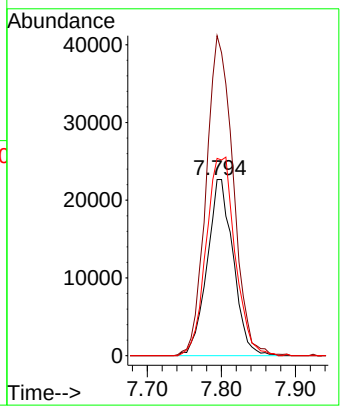


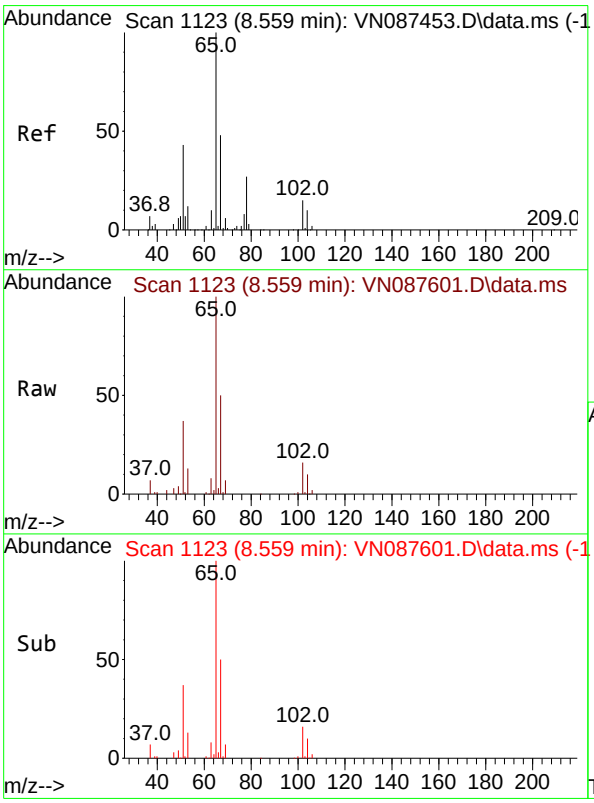
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.794 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Tgt Ion:128 Resp: 55447

Ion	Ratio	Lower	Upper
128	100		
49	187.7	0.0	494.8
130	125.1	0.0	321.5

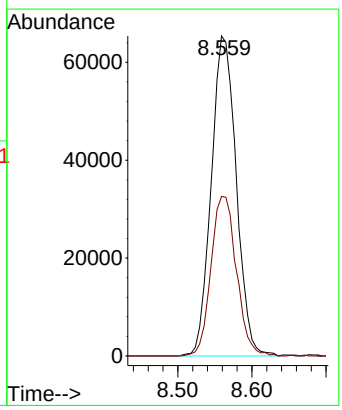


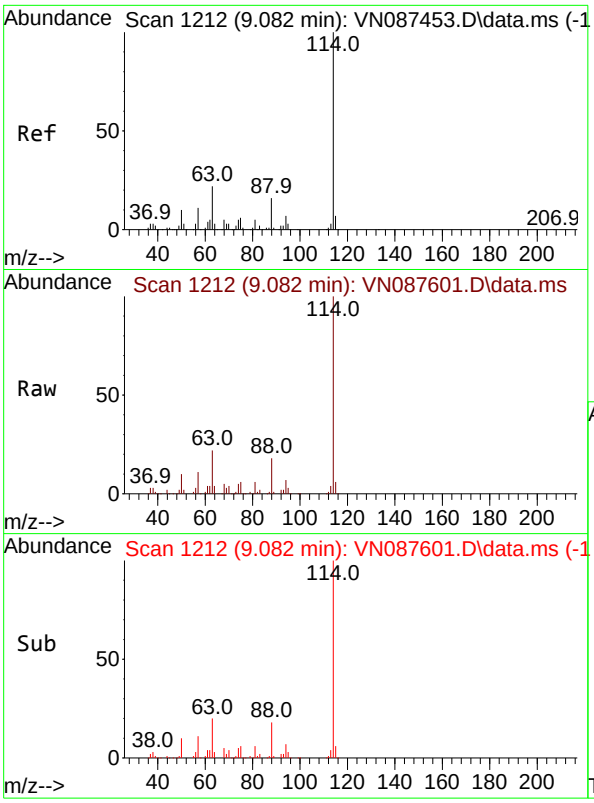


#27
1,2-Dichloroethane-d4
Concen: 29.955 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Tgt Ion: 65 Resp: 153196

Ion	Ratio	Lower	Upper
65	100		
67	50.7	40.8	61.2



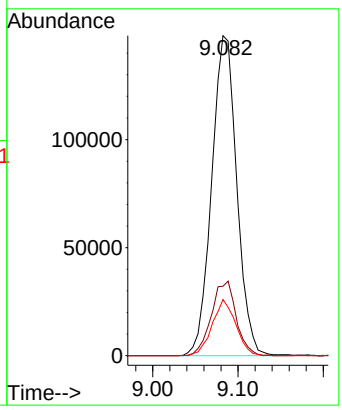


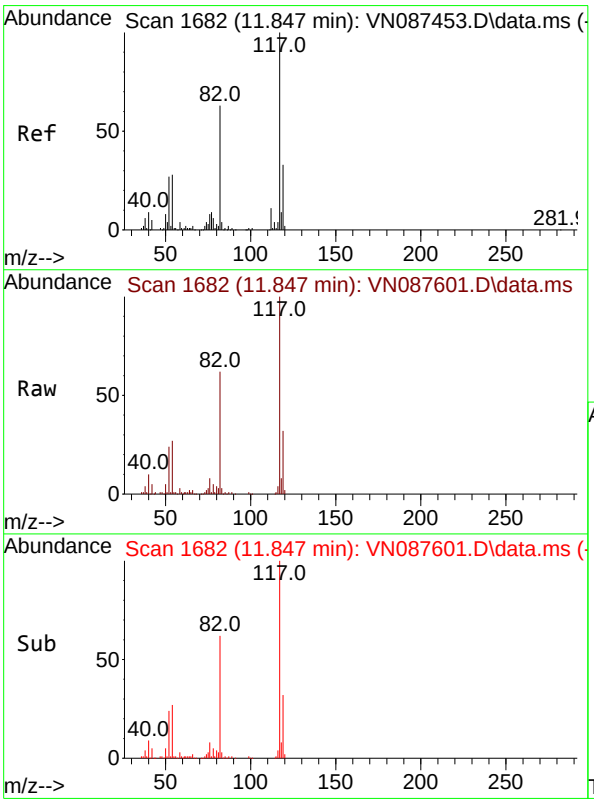
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Tgt Ion:114 Resp: 303389

Ion	Ratio	Lower	Upper
114	100		
63	23.0	18.9	28.3
88	16.5	13.1	19.7

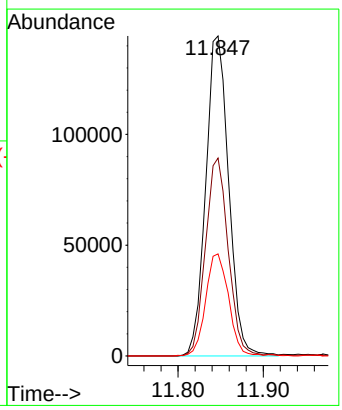


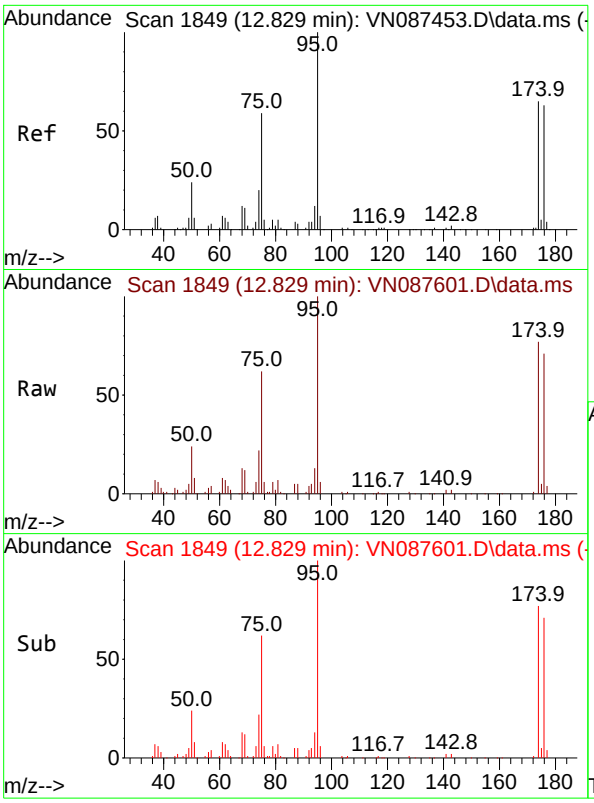


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Tgt Ion:117 Resp: 270310

Ion	Ratio	Lower	Upper
117	100		
82	61.2	49.2	73.8
119	31.8	25.7	38.5



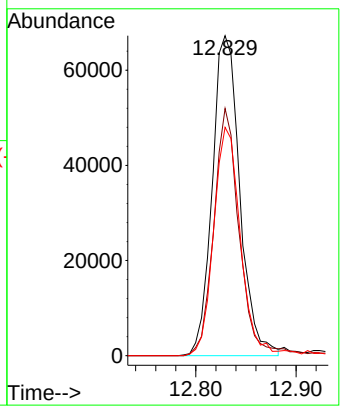


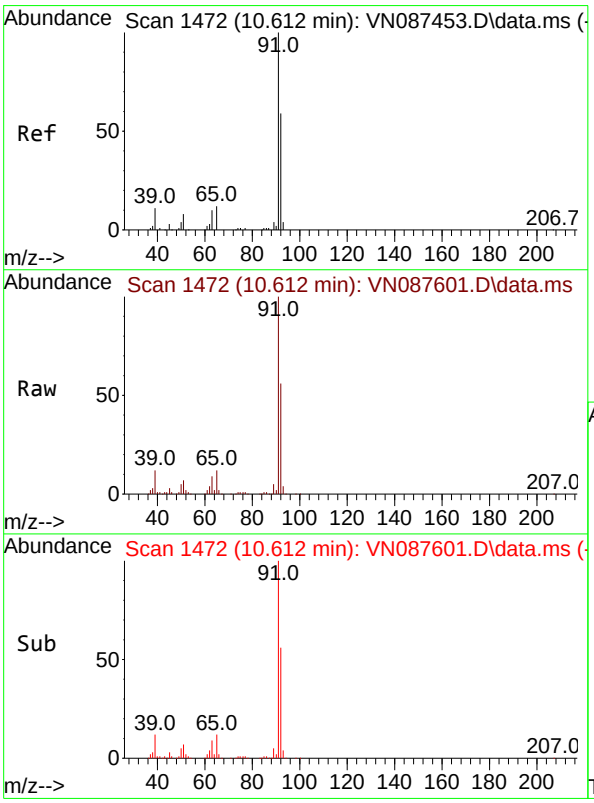
#60
4-Bromofluorobenzene
Concen: 27.597 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Tgt Ion: 95 Resp: 128376

Ion	Ratio	Lower	Upper
95	100		
174	71.0	52.3	78.5
176	68.6	49.8	74.8

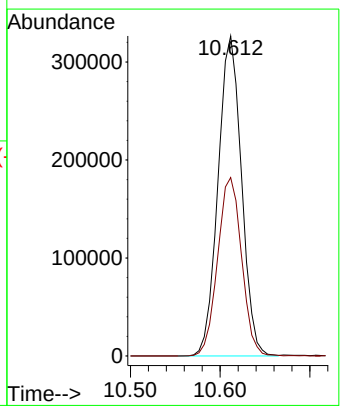


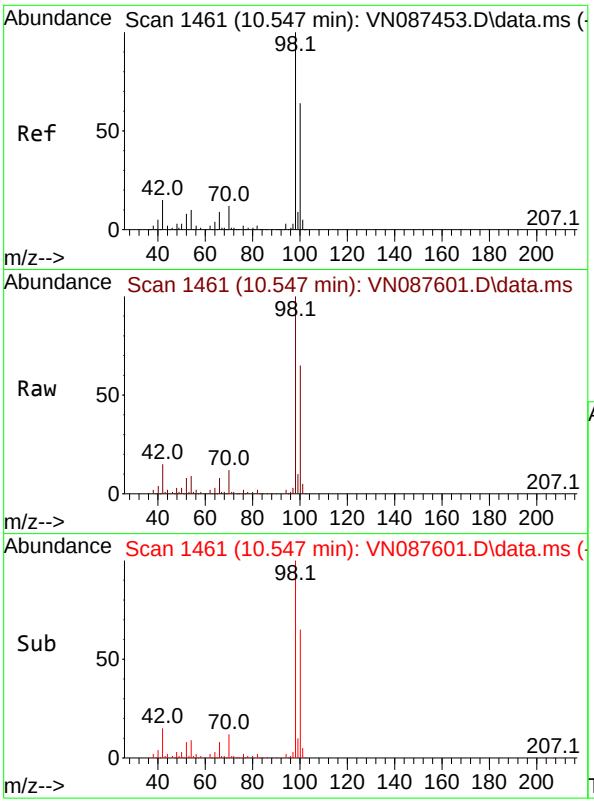


#62
Toluene
Concen: 35.518 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Tgt Ion: 91 Resp: 592568

Ion	Ratio	Lower	Upper
91	100		
92	56.9	45.8	68.6



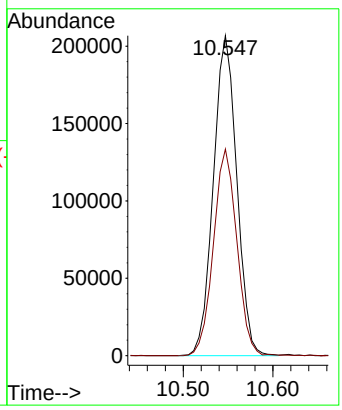


#63
Toluene-d8
Concen: 30.161 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087601.D
Acq: 18 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
002 35th Ave (july)DL

Tgt Ion: 98 Resp: 375129

Ion	Ratio	Lower	Upper
98	100		
100	64.2	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: TULL01

Lab Code: ACE SDG No.: Q2845

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
Benzene	1.608	1.540	1.410	1.580	1.584		1.545	5.1
Toluene	1.975	1.905	1.689	1.854	1.835		1.852	5.7
Ethyl Benzene	2.154	2.115	1.892	2.094	2.064		2.064	4.9
m/p-Xylenes	0.796	0.768	0.702	0.768	0.753		0.758	4.6
o-Xylene	0.791	0.754	0.681	0.756	0.745		0.745	5.4
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

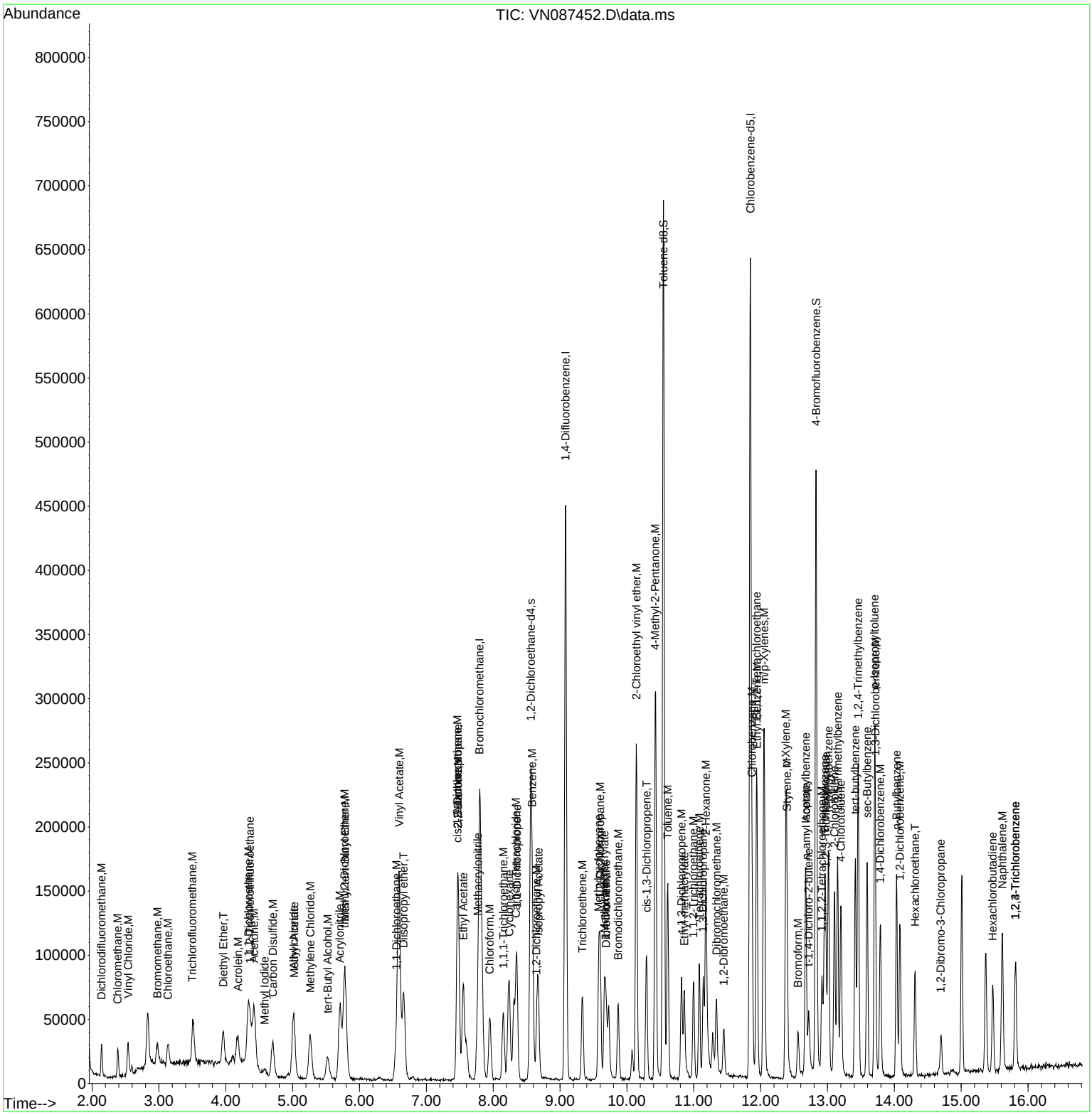
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087452.D
Acq On : 05 Aug 2025 13:37
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

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

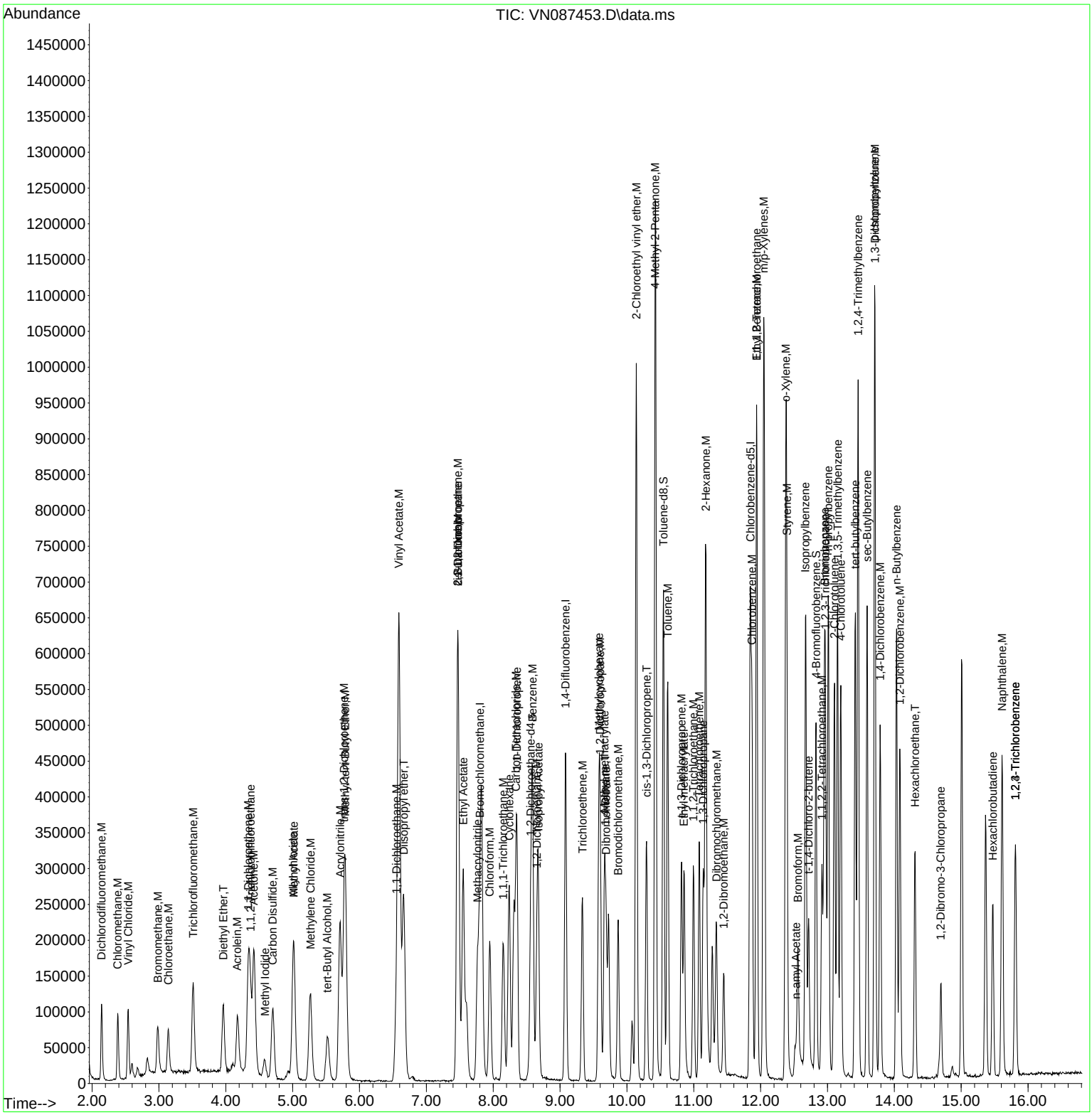
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087453.D
Acq On : 05 Aug 2025 13:58
Operator : JC\MD
Sample : VSTDICCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

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

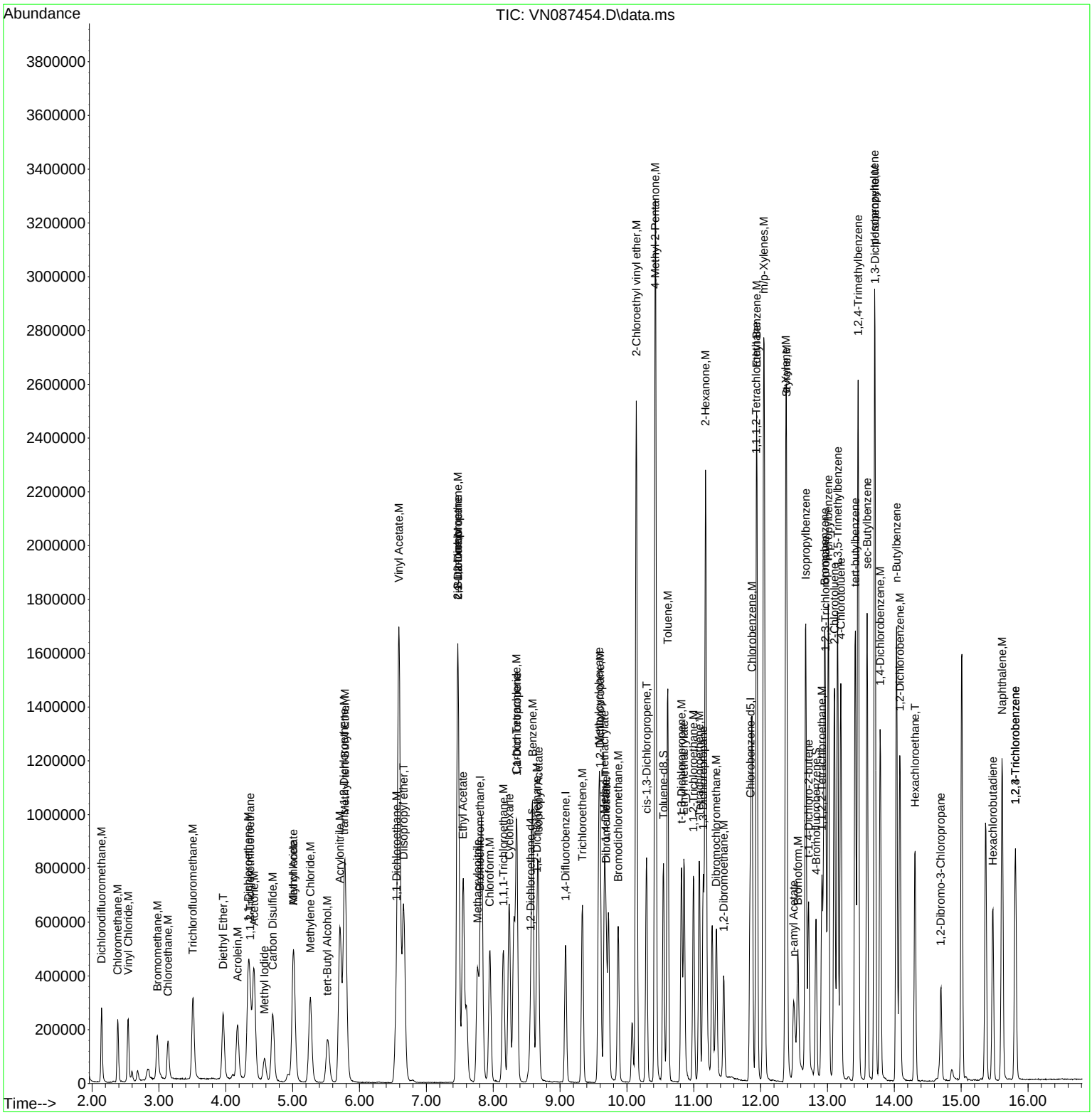
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087454.D
Acq On : 05 Aug 2025 14:19
Operator : JC\MD
Sample : VSTDICC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

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

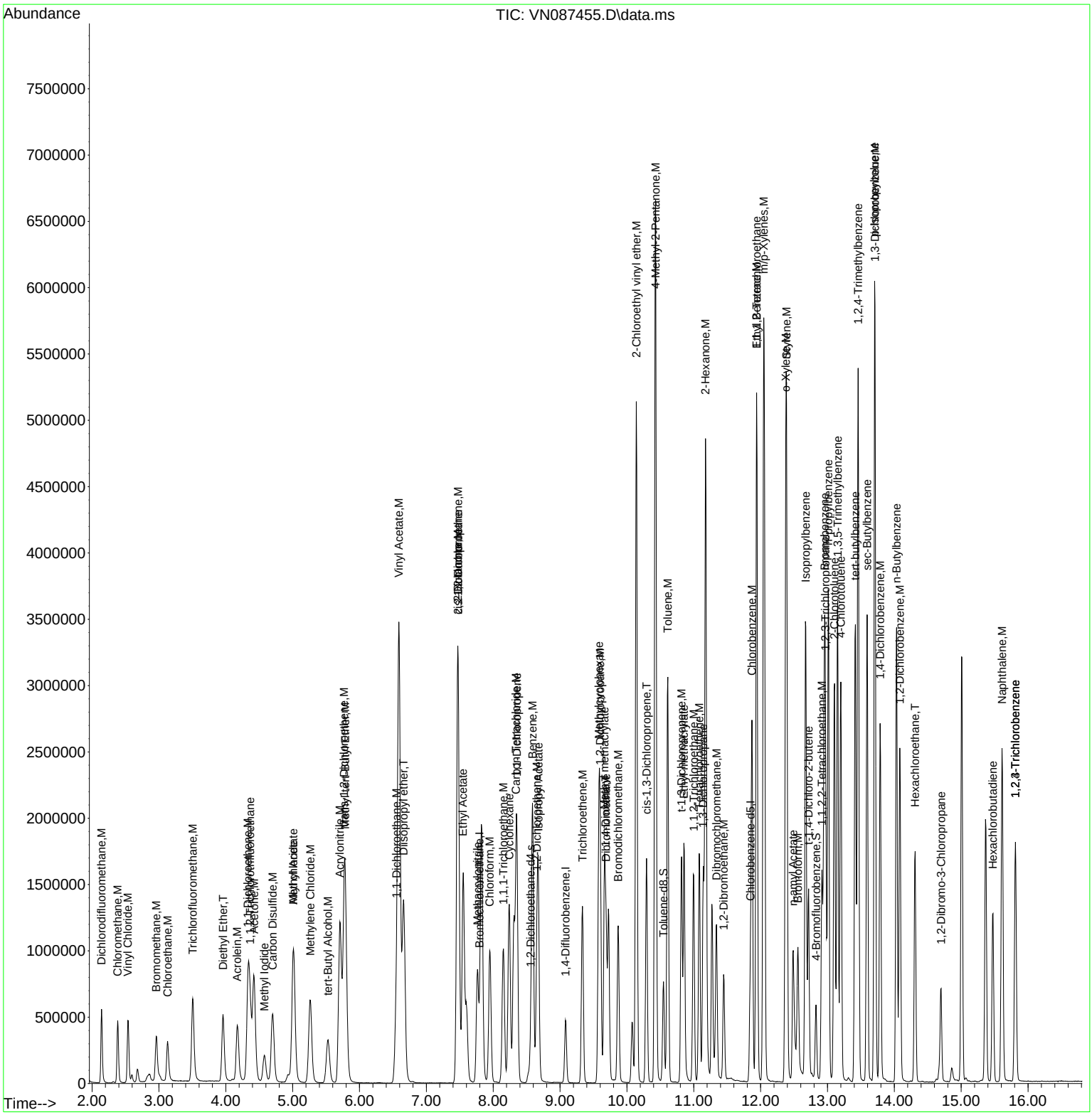
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087455.D
Acq On : 05 Aug 2025 14:40
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

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

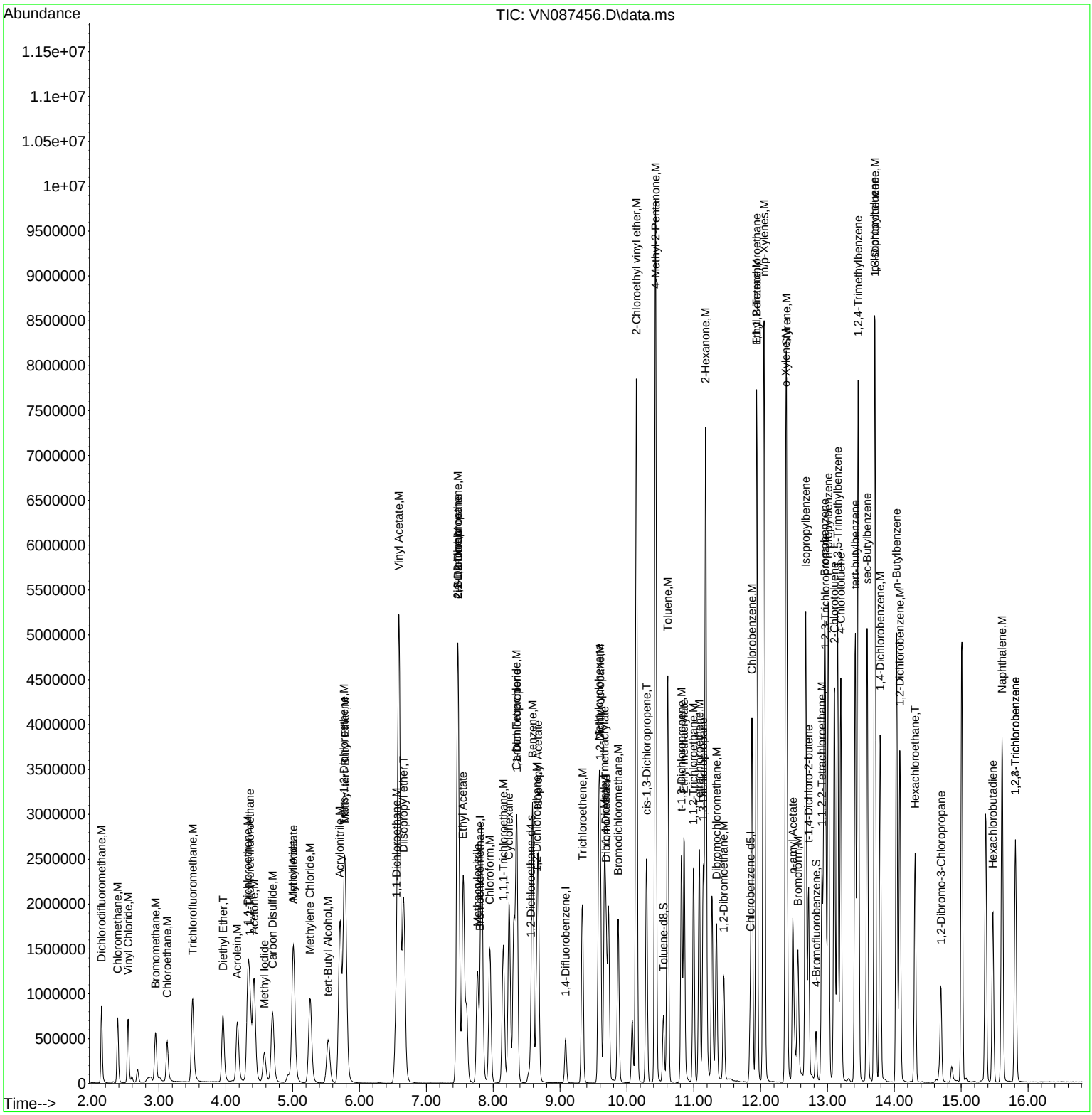
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087456.D
Acq On : 05 Aug 2025 15:01
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

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)
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

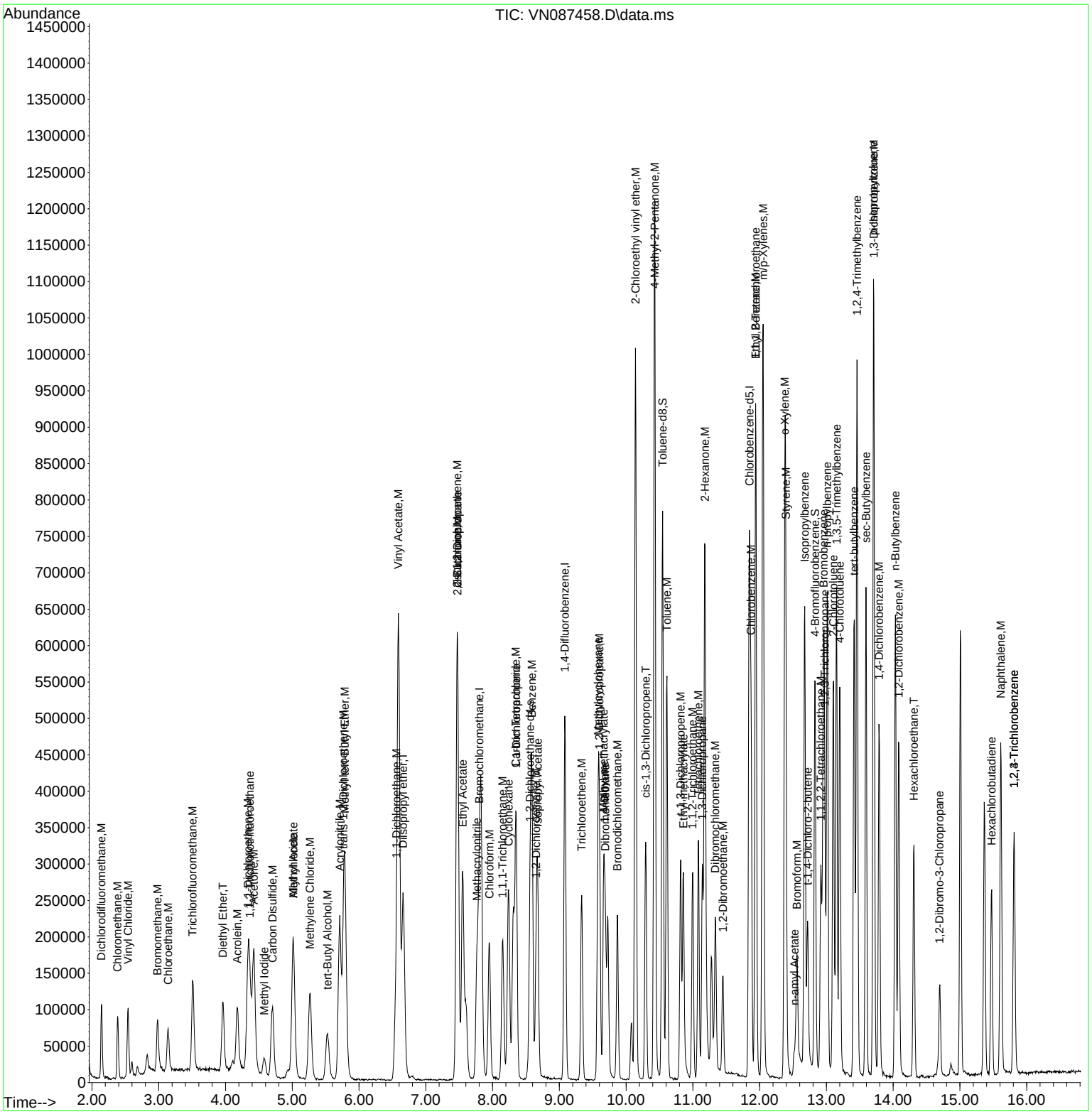
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN080525\
Data File : VN087458.D
Acq On : 05 Aug 2025 15:43
Operator : JC\MD
Sample : VSTDICV020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

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

Raw Data: **VN087595.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	Alliance	Contract:	TULL01
Lab Code:	ACE	SDG No.:	Q2845
Instrument ID:	MSVOA_N	Calibration Date/Time:	08/18/2025 09:29
Lab File ID:	VN087595.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
Benzene	1.545	1.236	0.5	-20	
Toluene	1.852	1.540	0.4	-16.85	
Ethyl Benzene	2.064	1.679	0.1	-18.65	
m/p-Xylenes	0.758	0.626	0.3	-17.41	
o-Xylene	0.745	0.607	0.3	-18.52	
1,2-Dichloroethane-d4	2.767	2.738	0.01	-1.05	
Toluene-d8	1.380	1.364	0.01	-1.16	
4-Bromofluorobenzene	0.516	0.506	0.2	-1.94	

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\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:46:31 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 :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.800	128	60212	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	341524	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	305141	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.559	65	164887	29.690	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.967%				
60) 4-Bromofluorobenzene	12.829	95	154527	29.427	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 98.100%				
63) Toluene-d8	10.547	98	416103	29.636	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.800%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.148	85	67604	17.197	ug/l		97
3) Chloromethane	2.383	50	67258	16.675	ug/l		95
4) Vinyl Chloride	2.542	62	73731	17.235	ug/l		95
5) Bromomethane	2.977	94	32819	14.173	ug/l	#	79
6) Chloroethane	3.136	64	50972	18.478	ug/l		96
7) Trichlorofluoromethane	3.506	101	108809	17.673	ug/l		99
8) Diethyl Ether	3.965	74	46794	18.244	ug/l		91
9) 1,1,2-Trichlorotrifluo...	4.371	101	59730	19.025	ug/l		86
10) 1,1-Dichloroethene	4.336	96	62970	19.095	ug/l		86
11) Methyl Iodide	4.583	142	39705	15.291	ug/l		97
12) Methyl Acetate	5.018	43	104810	17.223	ug/l		92
13) Acrolein	4.177	56	42993	46.255	ug/l		96
14) Acrylonitrile	5.712	53	215204	80.984	ug/l		100
15) Acetone	4.424	58	77708	102.345	ug/l		97
16) Carbon Disulfide	4.700	76	176742	17.278	ug/l		98
17) Allyl chloride	5.012	41	91304	13.584	ug/l		96
18) Methylene Chloride	5.259	84	72012	16.962	ug/l		90
19) trans-1,2-Dichloroethene	5.771	96	66006m	16.831	ug/l		
20) Diisopropyl ether	6.659	45	226596	14.798	ug/l		97
21) 1,1-Dichloroethane	6.553	63	130652	16.507	ug/l		96
22) cis-1,2-Dichloroethene	7.471	96	81042	16.795	ug/l		98
23) tert-Butyl Alcohol	5.530	59	102017	90.345	ug/l	#	100
24) Methyl tert-Butyl Ether	5.788	73	246861	16.428	ug/l		97
25) Chloroform	7.947	83	139237	16.853	ug/l		94
26) Cyclohexane	8.241	56	100985	15.935	ug/l	#	94
29) 1,1-Dichloropropene	8.359	75	91959	16.509	ug/l		96
30) 2-Butanone	7.471	43	331640	80.771	ug/l		99
31) 2,2-Dichloropropane	7.471	77	119952	16.696	ug/l		99
32) 1,1,1-Trichloroethane	8.153	97	117333	16.516	ug/l		97
33) Carbon Tetrachloride	8.347	117	97130	16.457	ug/l		93
34) Benzene	8.588	78	281341	16.000	ug/l		100
35) Methacrylonitrile	7.765	41	70430	15.895	ug/l		94
36) 1,2-Dichloroethane	8.653	62	110969	15.614	ug/l		99
37) Trichloroethene	9.335	130	66048	17.052	ug/l		91
38) Methylcyclohexane	9.582	83	102433	15.851	ug/l		95
39) 1,2-Dichloropropane	9.600	63	74485	16.522	ug/l		98
40) Dibromomethane	9.694	93	56024	16.563	ug/l		97
41) Bromodichloromethane	9.871	83	112251	15.970	ug/l		96
42) Vinyl Acetate	6.588	43	1043547	77.176	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:46:31 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 :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	121736	15.347	ug/l		99
44) Isopropyl Acetate	8.671	43	208624	15.516	ug/l		99
45) 1,4-Dioxane	9.682	88	28605	333.713	ug/l		93
46) Methyl methacrylate	9.665	41	91902	14.480	ug/l		90
47) n-amyl Acetate	12.582	43	104026m	14.005	ug/l		
48) t-1,3-Dichloropropene	10.818	75	118184	15.455	ug/l		94
49) cis-1,3-Dichloropropene	10.294	75	119757	15.562	ug/l		94
50) 1,1,2-Trichloroethane	10.994	97	71049	16.625	ug/l		96
51) Ethyl methacrylate	10.859	69	114871	15.262	ug/l		90
52) 1,3-Dichloropropane	11.141	76	126330	16.407	ug/l		99
53) Dibromochloromethane	11.341	129	80934	16.398	ug/l		97
54) 1,2-Dibromoethane	11.447	107	71856	15.838	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	315391	79.598	ug/l		99
56) Bromoform	12.559	173	49680	15.218	ug/l	#	98
58) 4-Methyl-2-Pentanone	10.423	43	626128	79.765	ug/l		98
59) 2-Hexanone	11.182	43	410004	76.874	ug/l		98
61) Tetrachloroethene	11.082	164	53978	18.157	ug/l		94
62) Toluene	10.612	91	313316	16.636	ug/l		99
64) Chlorobenzene	11.870	112	189671	16.390	ug/l		96
65) 1,1,1,2-Tetrachloroethane	11.941	131	63335	15.566	ug/l		97
66) Ethyl Benzene	11.941	91	341563	16.272	ug/l		100
67) m/p-Xylenes	12.053	106	254495	33.029	ug/l		93
68) o-Xylene	12.376	106	123451	16.286	ug/l		98
69) Styrene	12.394	104	207684	16.046	ug/l		98
70) Isopropylbenzene	12.676	105	318953	16.562	ug/l		100
71) 1,1,2,2-Tetrachloroethane	12.917	83	107388	16.274	ug/l		97
72) 1,2,3-Trichloropropane	12.976	75	136278	22.169	ug/l		56
73) Bromobenzene	12.959	156	74825	16.760	ug/l		91
74) n-propylbenzene	13.012	91	388929	16.171	ug/l		98
75) 2-Chlorotoluene	13.106	91	237825	16.075	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	261835	15.879	ug/l		95
77) t-1,4-Dichloro-2-butene	12.723	75	26146	11.236	ug/l		86
78) 4-Chlorotoluene	13.200	91	237691	15.854	ug/l		98
79) tert-butylbenzene	13.417	119	223192	16.054	ug/l		99
80) 1,2,4-Trimethylbenzene	13.464	105	263816	16.011	ug/l		100
81) sec-Butylbenzene	13.594	105	324533	16.035	ug/l		99
82) p-Isopropyltoluene	13.706	119	269511	16.038	ug/l		99
83) 1,3-Dichlorobenzene	13.717	146	142959	16.816	ug/l		99
84) 1,4-Dichlorobenzene	13.794	146	144207	16.731	ug/l		98
85) n-Butylbenzene	14.035	91	261687	15.916	ug/l		99
86) Hexachloroethane	14.311	117	50403	15.359	ug/l		100
87) 1,2-Dichlorobenzene	14.082	146	136887	16.868	ug/l		97
88) 1,2-Dibromo-3-Chloropr...	14.700	75	26484	15.843	ug/l		93
89) 1,2,4-Trichlorobenzene	15.811	180	79949	16.485	ug/l		98
90) Hexachlorobutadiene	15.476	225	28836	15.291	ug/l		95
91) Naphthalene	15.611	128	298615	16.148	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	79949	16.485	ug/l		98

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

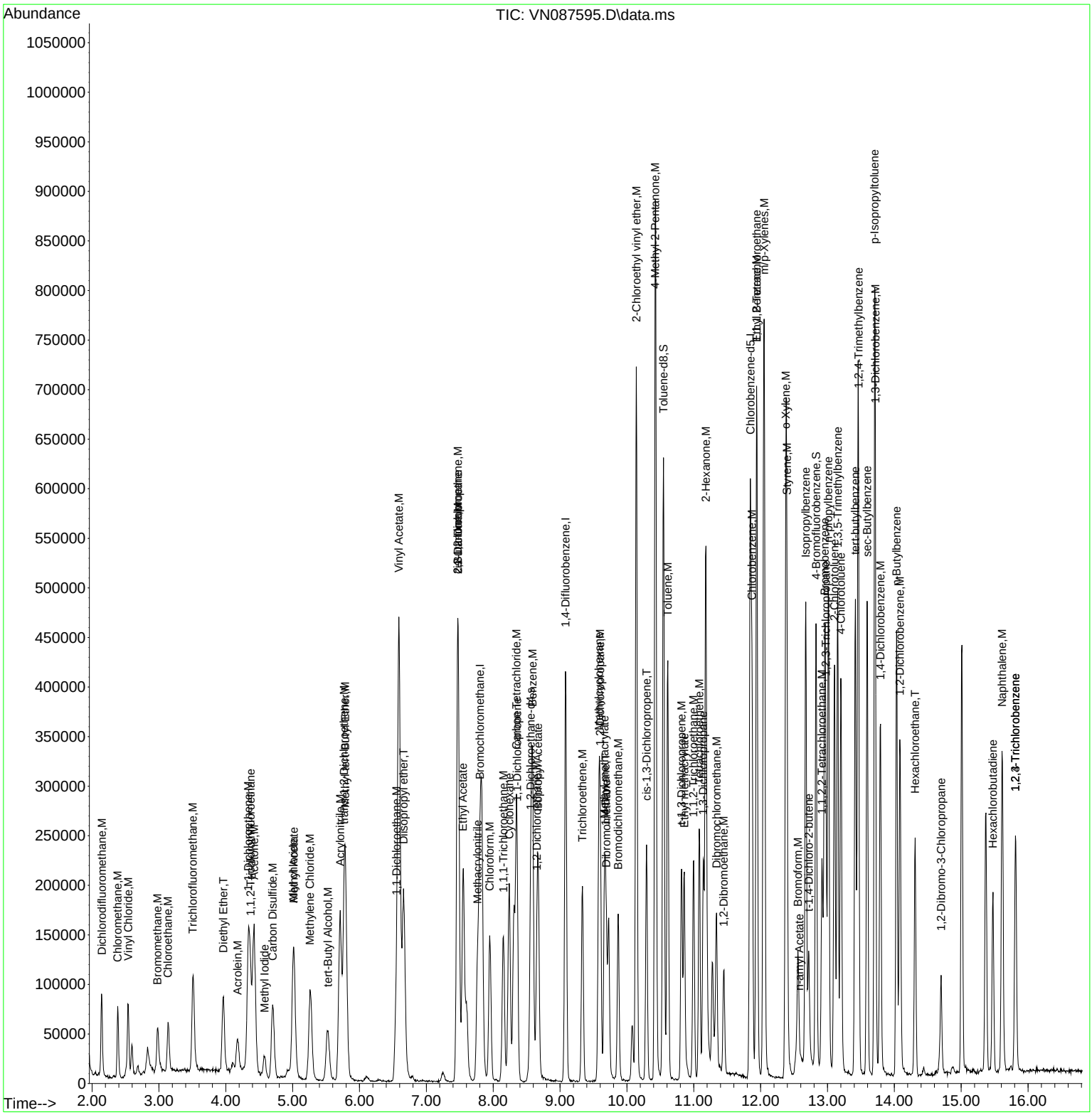
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Aug 18 09:46:31 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 :
VSTDCCC020

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/20/2025



Sample Results: **VN087595.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 18 09:46:31 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	94	0.00
2	M	Dichlorodifluoromethane	1.959	1.684	14.0	76	0.00
3	M	Chloromethane	2.010	1.676	16.6	73	0.00
4	M	Vinyl Chloride	2.131	1.837	13.8	75	0.00
5	M	Bromomethane	1.154	0.818	29.1#	66	0.00
6	M	Chloroethane	1.374	1.270	7.6	83	0.00
7	M	Trichlorofluoromethane	3.067	2.711	11.6	79	0.00
8	T	Diethyl Ether	1.278	1.166	8.8	83	0.00
9		1,1,2-Trichlorotrifluoroeth	1.564	1.488	4.9	88	0.00
10	M	1,1-Dichloroethene	1.643	1.569	4.5	85	0.00
11		Methyl Iodide	1.294	0.989	23.6	86	0.00
12		Methyl Acetate	3.032	2.611	13.9	79	0.00
13	M	Acrolein	0.463	0.214	53.8#	43#	0.00
14	M	Acrylonitrile	1.324	1.072	19.0	74	0.00
15	M	Acetone	0.378	0.387	-2.4	87	0.00
16	M	Carbon Disulfide	5.097	4.403	13.6	80	0.00
17		Allyl chloride	3.349	2.275	32.1#	63	0.00
18	M	Methylene Chloride	2.115	1.794	15.2	78	-0.01
19	M	trans-1,2-Dichloroethene	1.954	1.644	15.9	77	0.00
20	T	Diisopropyl ether	7.629	5.645	26.0#	68	0.00
21	M	1,1-Dichloroethane	3.944	3.255	17.5	74	0.00
22	M	cis-1,2-Dichloroethene	2.404	2.019	16.0	76	0.00
23	M	tert-Butyl Alcohol	0.563	0.508	9.8	84	0.01
24	M	Methyl tert-Butyl Ether	7.487	6.150	17.9	75	0.00
25	M	Chloroform	4.116	3.469	15.7	77	0.00
26		Cyclohexane	3.157	2.516	20.3	71	0.00
27	s	1,2-Dichloroethane-d4	2.767	2.738	1.0	90	0.00
28	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
29		1,1-Dichloropropene	0.489	0.404	17.4	77	0.00
30	M	2-Butanone	0.361	0.291	19.4	74	0.00
31		2,2-Dichloropropane	0.631	0.527	16.5	77	0.00
32	M	1,1,1-Trichloroethane	0.624	0.515	17.5	78	0.00
33	M	Carbon Tetrachloride	0.518	0.427	17.6	76	0.00
34	M	Benzene	1.545	1.236	20.0	75	0.00
35		Methacrylonitrile	0.389	0.309	20.6	72	0.00
36	M	1,2-Dichloroethane	0.624	0.487	22.0	71	0.00
37	M	Trichloroethene	0.340	0.290	14.7	78	0.00
38		Methylcyclohexane	0.568	0.450	20.8	73	0.00
39	M	1,2-Dichloropropane	0.396	0.327	17.4	76	0.00
40		Dibromomethane	0.297	0.246	17.2	76	0.00
41	M	Bromodichloromethane	0.617	0.493	20.1	76	0.00
42	M	Vinyl Acetate	1.188	0.917	22.8	70	0.00
43		Ethyl Acetate	0.697	0.535	23.2	71	0.00
44		Isopropyl Acetate	1.181	0.916	22.4	72	0.00
45	T	1,4-Dioxane	0.008	0.006	25.0	75	0.00
46		Methyl methacrylate	0.558	0.404	27.6#	67	0.00
47		n-amyl Acetate	0.652	0.457	29.9#	75	0.05
48	M	t-1,3-Dichloropropene	0.672	0.519	22.8	73	0.00

Sample Results: **VN087595.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 18 09:46:31 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	0.526	22.2	74	0.00
50	M	1,1,2-Trichloroethane	0.375	0.312	16.8	77	0.00
51		Ethyl methacrylate	0.661	0.505	23.6	72	0.00
52		1,3-Dichloropropane	0.676	0.555	17.9	76	0.00
53	M	Dibromochloromethane	0.434	0.355	18.2	78	0.00
54	M	1,2-Dibromoethane	0.399	0.316	20.8	73	0.00
55	M	2-Chloroethyl vinyl ether	0.348	0.277	20.4	74	0.00
56	M	Bromoform	0.287	0.218	24.0	74	0.00
57	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
58	M	4-Methyl-2-Pentanone	0.772	0.616	20.2	71	0.00
59	M	2-Hexanone	0.524	0.403	23.1	71	0.00
60	S	4-Bromofluorobenzene	0.516	0.506	1.9	91	0.00
61	M	Tetrachloroethene	0.292	0.265	9.2	85	0.00
62	M	Toluene	1.852	1.540	16.8	75	0.00
63	S	Toluene-d8	1.380	1.364	1.2	92	0.00
64	M	Chlorobenzene	1.138	0.932	18.1	75	0.00
65		1,1,1,2-Tetrachloroethane	0.400	0.311	22.3	72	0.00
66	M	Ethyl Benzene	2.064	1.679	18.7	74	0.00
67	M	m/p-Xylenes	0.758	0.626	17.4	76	0.00
68	M	o-Xylene	0.745	0.607	18.5	75	0.00
69	M	Styrene	1.273	1.021	19.8	73	0.00
70		Isopropylbenzene	1.893	1.568	17.2	75	0.00
71	M	1,1,2,2-Tetrachloroethane	0.649	0.528	18.6	72	0.00
72		1,2,3-Trichloropropane	0.604	0.670	-10.9	110	0.00
73		Bromobenzene	0.439	0.368	16.2	78	0.00
74		n-propylbenzene	2.365	1.912	19.2	74	0.00
75		2-Chlorotoluene	1.455	1.169	19.7	73	0.00
76		1,3,5-Trimethylbenzene	1.621	1.287	20.6	72	0.00
77		t-1,4-Dichloro-2-butene	0.229	0.129	43.7#	55	0.00
78		4-Chlorotoluene	1.474	1.168	20.8	74	0.00
79		tert-butylbenzene	1.367	1.097	19.8	73	0.00
80		1,2,4-Trimethylbenzene	1.620	1.297	19.9	74	0.00
81		sec-Butylbenzene	1.990	1.595	19.8	73	0.00
82		p-Isopropyltoluene	1.652	1.325	19.8	73	0.00
83	M	1,3-Dichlorobenzene	0.836	0.703	15.9	77	0.00
84	M	1,4-Dichlorobenzene	0.847	0.709	16.3	76	0.00
85		n-Butylbenzene	1.616	1.286	20.4	72	0.00
86	T	Hexachloroethane	0.323	0.248	23.2	71	0.00
87	M	1,2-Dichlorobenzene	0.798	0.673	15.7	76	0.00
88		1,2-Dibromo-3-Chloropropane	0.164	0.130	20.7	71	0.00
89		1,2,4-Trichlorobenzene	0.477	0.393	17.6	77	0.00
90		Hexachlorobutadiene	0.185	0.142	23.2	70	0.00
91	M	Naphthalene	1.818	1.468	19.3	74	0.00
92		1,2,3-Trichlorobenzene	0.477	0.393	17.6	77	0.00

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

Evaluate Continuing Calibration Report

Sample Results: **VN087595.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 18 09:46:31 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	94	0.00
2	M	Dichlorodifluoromethane	20.000	17.197	14.0	76	0.00
3	M	Chloromethane	20.000	16.675	16.6	73	0.00
4	M	Vinyl Chloride	20.000	17.235	13.8	75	0.00
5	M	Bromomethane	20.000	14.173	29.1#	66	0.00
6	M	Chloroethane	20.000	18.478	7.6	83	0.00
7	M	Trichlorofluoromethane	20.000	17.673	11.6	79	0.00
8	T	Diethyl Ether	20.000	18.244	8.8	83	0.00
9		1,1,2-Trichlorotrifluoroeth	20.000	19.025	4.9	88	0.00
10	M	1,1-Dichloroethene	20.000	19.095	4.5	85	0.00
11		Methyl Iodide	20.000	15.291	23.5	86	0.00
12		Methyl Acetate	20.000	17.223	13.9	79	0.00
13	M	Acrolein	100.000	46.255	53.7#	43	0.00
14	M	Acrylonitrile	100.000	80.984	19.0	74	0.00
15	M	Acetone	100.000	102.345	-2.3	87	0.00
16	M	Carbon Disulfide	20.000	17.278	13.6	80	0.00
17		Allyl chloride	20.000	13.584	32.1#	63	0.00
18	M	Methylene Chloride	20.000	16.962	15.2	78	-0.01
19	M	trans-1,2-Dichloroethene	20.000	16.831	15.8	77	0.00
20	T	Diisopropyl ether	20.000	14.798	26.0#	68	0.00
21	M	1,1-Dichloroethane	20.000	16.507	17.5	74	0.00
22	M	cis-1,2-Dichloroethene	20.000	16.795	16.0	76	0.00
23	M	tert-Butyl Alcohol	100.000	90.345	9.7	84	0.01
24	M	Methyl tert-Butyl Ether	20.000	16.428	17.9	75	0.00
25	M	Chloroform	20.000	16.853	15.7	77	0.00
26		Cyclohexane	20.000	15.935	20.3	71	0.00
27	s	1,2-Dichloroethane-d4	30.000	29.690	1.0	90	0.00
28	I	1,4-Difluorobenzene	30.000	30.000	0.0	93	0.00
29		1,1-Dichloropropene	20.000	16.509	17.5	77	0.00
30	M	2-Butanone	100.000	80.771	19.2	74	0.00
31		2,2-Dichloropropane	20.000	16.696	16.5	77	0.00
32	M	1,1,1-Trichloroethane	20.000	16.516	17.4	78	0.00
33	M	Carbon Tetrachloride	20.000	16.457	17.7	76	0.00
34	M	Benzene	20.000	16.000	20.0	75	0.00
35		Methacrylonitrile	20.000	15.895	20.5	72	0.00
36	M	1,2-Dichloroethane	20.000	15.614	21.9	71	0.00
37	M	Trichloroethene	20.000	17.052	14.7	78	0.00
38		Methylcyclohexane	20.000	15.851	20.7	73	0.00
39	M	1,2-Dichloropropane	20.000	16.522	17.4	76	0.00
40		Dibromomethane	20.000	16.563	17.2	76	0.00
41	M	Bromodichloromethane	20.000	15.970	20.1	76	0.00
42	M	Vinyl Acetate	100.000	77.176	22.8	70	0.00
43		Ethyl Acetate	20.000	15.347	23.3	71	0.00
44		Isopropyl Acetate	20.000	15.516	22.4	72	0.00
45	T	1,4-Dioxane	400.000	333.713	16.6	75	0.00
46		Methyl methacrylate	20.000	14.480	27.6#	67	0.00
47		n-amyl Acetate	20.000	14.005	30.0#	75	0.05
48	M	t-1,3-Dichloropropene	20.000	15.455	22.7	73	0.00

Sample Results: **VN087595.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087595.D
Acq On : 18 Aug 2025 09:29
Operator : JC\MD
Sample : VSTDCCC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC020

Quant Time: Aug 18 09:46:31 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	15.562	22.2	74	0.00
50	M	1,1,2-Trichloroethane	20.000	16.625	16.9	77	0.00
51		Ethyl methacrylate	20.000	15.262	23.7	72	0.00
52		1,3-Dichloropropane	20.000	16.407	18.0	76	0.00
53	M	Dibromochloromethane	20.000	16.398	18.0	78	0.00
54	M	1,2-Dibromoethane	20.000	15.838	20.8	73	0.00
55	M	2-Chloroethyl vinyl ether	100.000	79.598	20.4	74	0.00
56	M	Bromoform	20.000	15.218	23.9	74	0.00
57	I	Chlorobenzene-d5	30.000	30.000	0.0	93	0.00
58	M	4-Methyl-2-Pentanone	100.000	79.765	20.2	71	0.00
59	M	2-Hexanone	100.000	76.874	23.1	71	0.00
60	S	4-Bromofluorobenzene	30.000	29.427	1.9	91	0.00
61	M	Tetrachloroethene	20.000	18.157	9.2	85	0.00
62	M	Toluene	20.000	16.636	16.8	75	0.00
63	S	Toluene-d8	30.000	29.636	1.2	92	0.00
64	M	Chlorobenzene	20.000	16.390	18.0	75	0.00
65		1,1,1,2-Tetrachloroethane	20.000	15.566	22.2	72	0.00
66	M	Ethyl Benzene	20.000	16.272	18.6	74	0.00
67	M	m/p-Xylenes	40.000	33.029	17.4	76	0.00
68	M	o-Xylene	20.000	16.286	18.6	75	0.00
69	M	Styrene	20.000	16.046	19.8	73	0.00
70		Isopropylbenzene	20.000	16.562	17.2	75	0.00
71	M	1,1,2,2-Tetrachloroethane	20.000	16.274	18.6	72	0.00
72		1,2,3-Trichloropropane	20.000	22.169	-10.8	110	0.00
73		Bromobenzene	20.000	16.760	16.2	78	0.00
74		n-propylbenzene	20.000	16.171	19.1	74	0.00
75		2-Chlorotoluene	20.000	16.075	19.6	73	0.00
76		1,3,5-Trimethylbenzene	20.000	15.879	20.6	72	0.00
77		t-1,4-Dichloro-2-butene	20.000	11.236	43.8#	55	0.00
78		4-Chlorotoluene	20.000	15.854	20.7	74	0.00
79		tert-butylbenzene	20.000	16.054	19.7	73	0.00
80		1,2,4-Trimethylbenzene	20.000	16.011	19.9	74	0.00
81		sec-Butylbenzene	20.000	16.035	19.8	73	0.00
82		p-Isopropyltoluene	20.000	16.038	19.8	73	0.00
83	M	1,3-Dichlorobenzene	20.000	16.816	15.9	77	0.00
84	M	1,4-Dichlorobenzene	20.000	16.731	16.3	76	0.00
85		n-Butylbenzene	20.000	15.916	20.4	72	0.00
86	T	Hexachloroethane	20.000	15.359	23.2	71	0.00
87	M	1,2-Dichlorobenzene	20.000	16.868	15.7	76	0.00
88		1,2-Dibromo-3-Chloropropane	20.000	15.843	20.8	71	0.00
89		1,2,4-Trichlorobenzene	20.000	16.485	17.6	77	0.00
90		Hexachlorobutadiene	20.000	15.291	23.5	70	0.00
91	M	Naphthalene	20.000	16.148	19.3	74	0.00
92		1,2,3-Trichlorobenzene	20.000	16.485	17.6	77	0.00

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

QC SAMPLE DATA

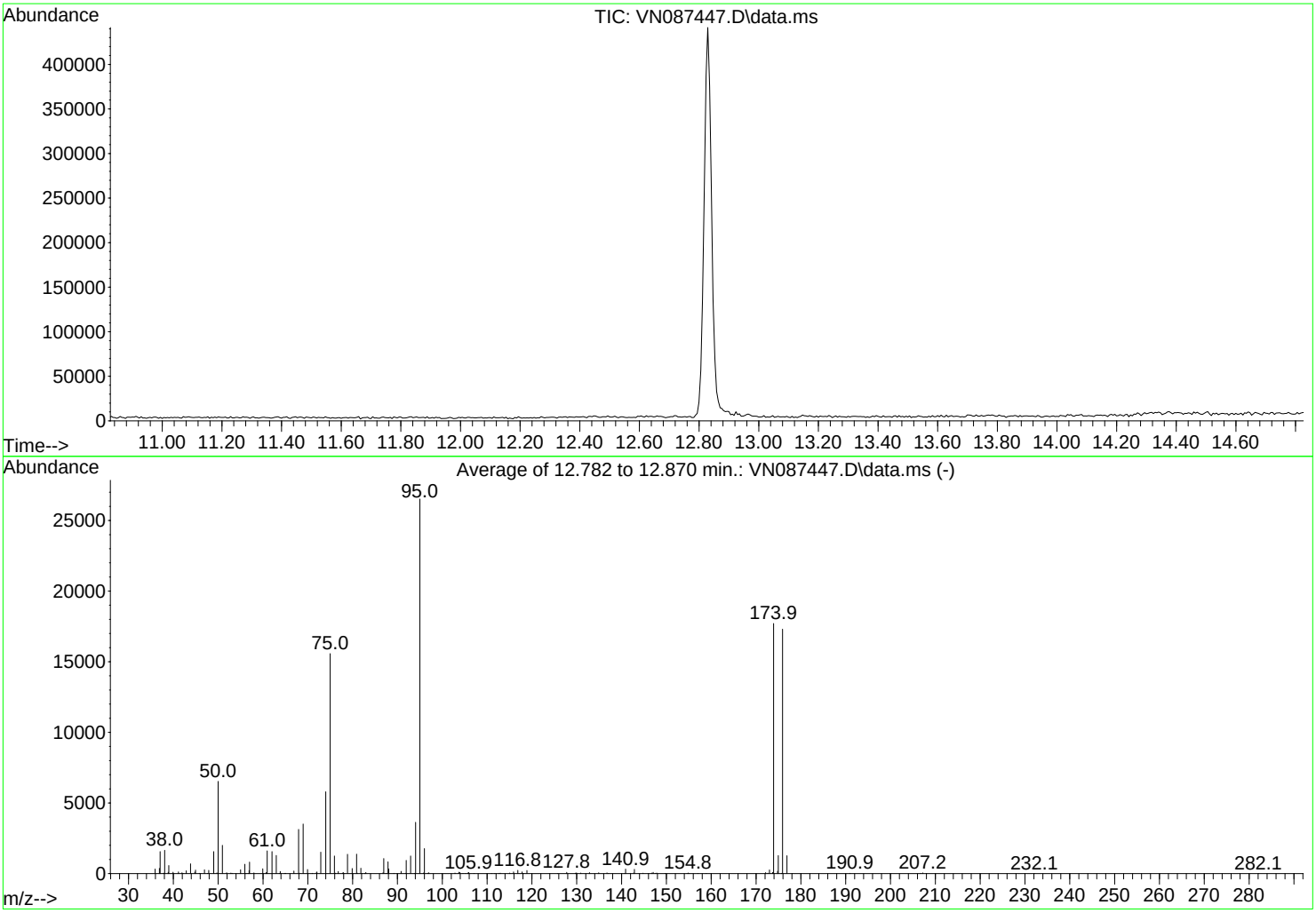
Sample Results: **VN087447.D**

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

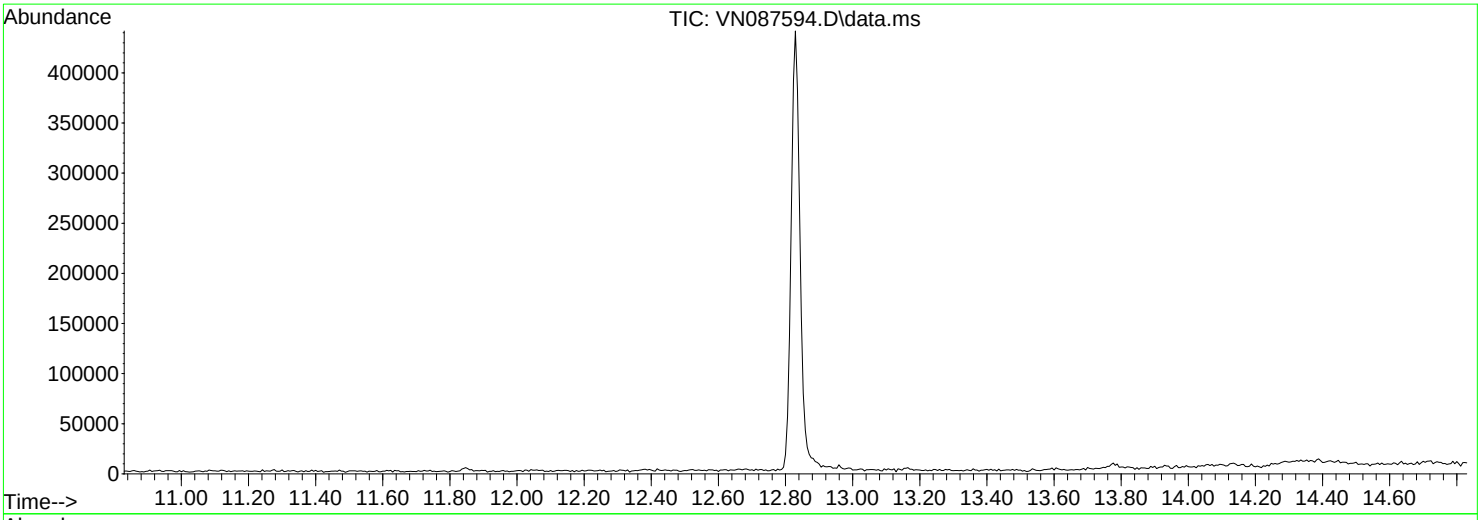
Sample Results: **VN087594.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087594.D
Acq On : 18 Aug 2025 08:56
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT3.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\624N080525W.M
Title : METHOD 624 VOLATILE ORGANIC ANALYSIS
Last Update : Wed Aug 06 02:01:21 2025



AutoFind: Averaged scan 1842 to 1856; Bkg corrected with scan 1841

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	23.2	6944	PASS
75	95	30	60	55.8	16710	PASS
95	95	100	100	100.0	29931	PASS
96	95	5	9	6.4	1905	PASS
173	174	0.00	2	1.5	304	PASS
174	95	50	100	67.8	20279	PASS
175	174	5	9	7.8	1591	PASS
176	174	95	101	96.1	19497	PASS
177	176	5	9	6.8	1320	PASS

Raw Data: **VN087598.D**

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

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN0818WBL01		SDG No.:	Q2845	
Lab Sample ID:	VN0818WBL01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087598.D	1	08/18/25 11:00	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	0.45	U	0.45	5.00	ug/L
108-88-3	Toluene	0.46	U	0.46	5.00	ug/L
100-41-4	Ethyl Benzene	0.56	U	0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	1.30	U	1.30	10.0	ug/L
95-47-6	o-Xylene	0.67	U	0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.5		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	30.3		91 - 112	101%	SPK: 30
460-00-4	4-Bromofluorobenzene	27.3		63 - 112	91%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	60400	7.8			
540-36-3	1,4-Difluorobenzene	336000	9.082			
3114-55-4	Chlorobenzene-d5	294000	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\VN081825\
Data File : VN087598.D
Acq On : 18 Aug 2025 11:00
Operator : JC\MD
Sample : VN0818WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Quant Time: Aug 19 01:11:52 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

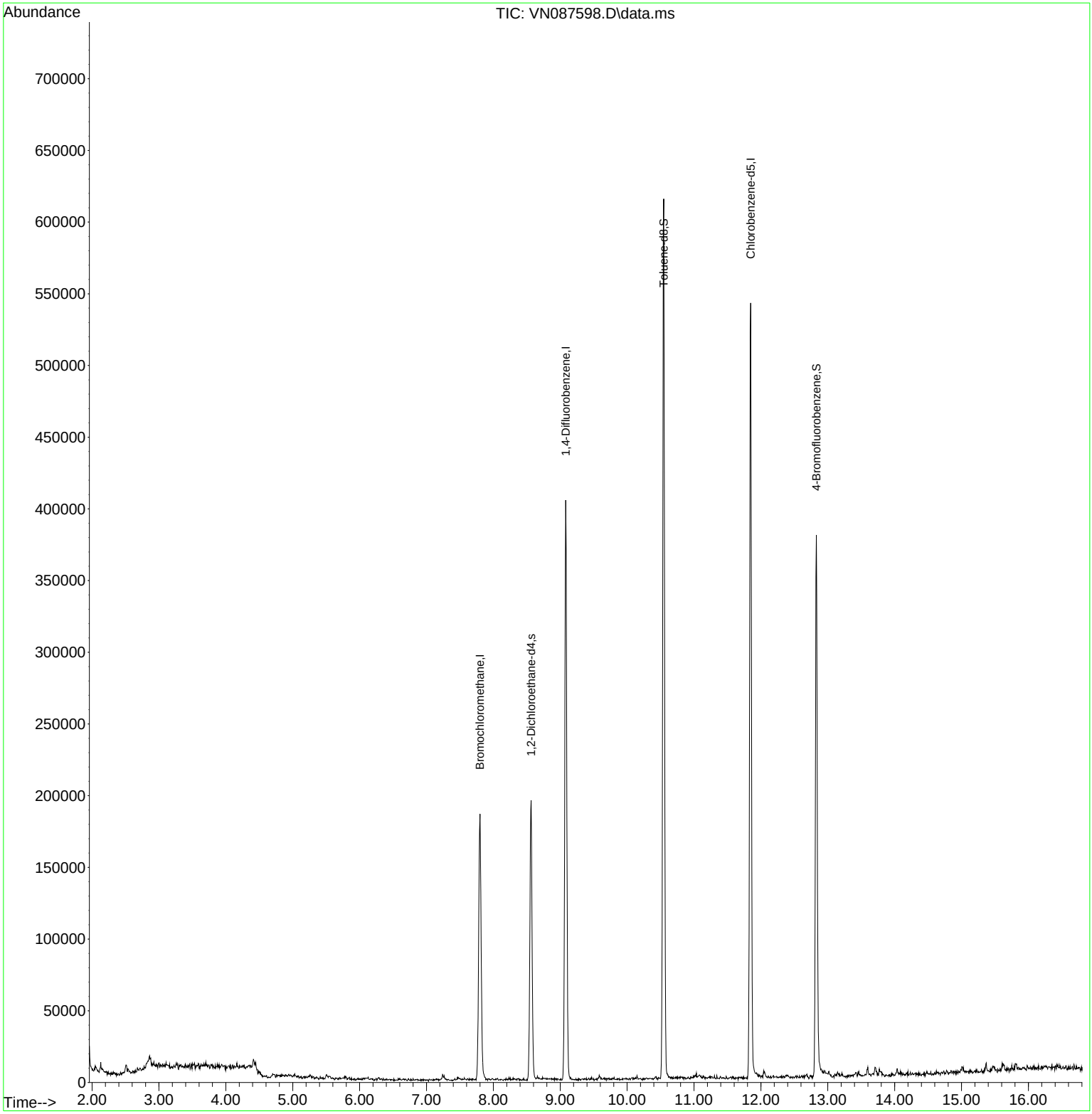
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	60369	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.082	114	336175	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	294352	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.565	65	158591	28.482	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.933%			
60) 4-Bromofluorobenzene	12.829	95	138437	27.329	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 91.100%			
63) Toluene-d8	10.547	98	410336	30.297	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 101.000%			
Target Compounds						Qvalue

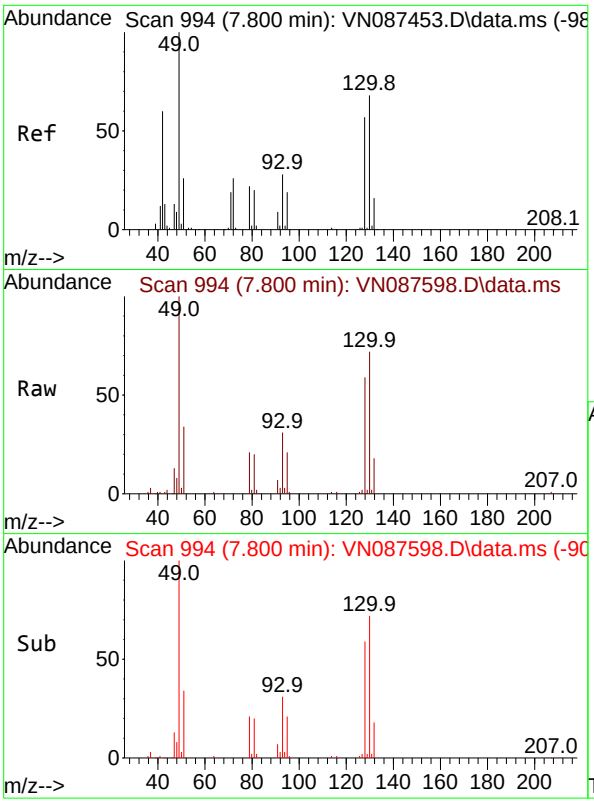
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087598.D
Acq On : 18 Aug 2025 11:00
Operator : JC\MD
Sample : VN0818WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Quant Time: Aug 19 01:11:52 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



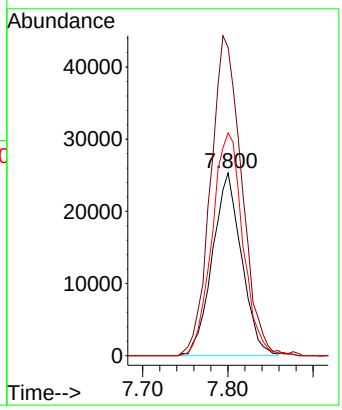


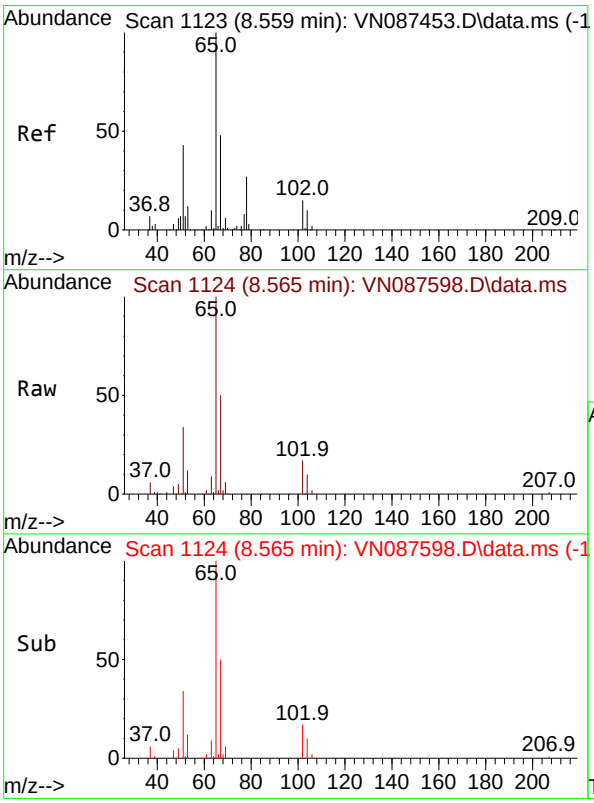
#1
Bromochloromethane
Concen: 30.000 ug/l
RT: 7.800 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Tgt Ion:128 Resp: 60369

Ion	Ratio	Lower	Upper
128	100		
49	185.9	0.0	494.8
130	128.7	0.0	321.5

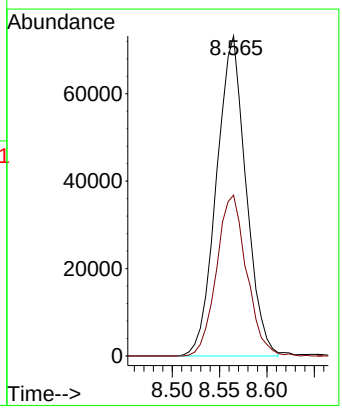


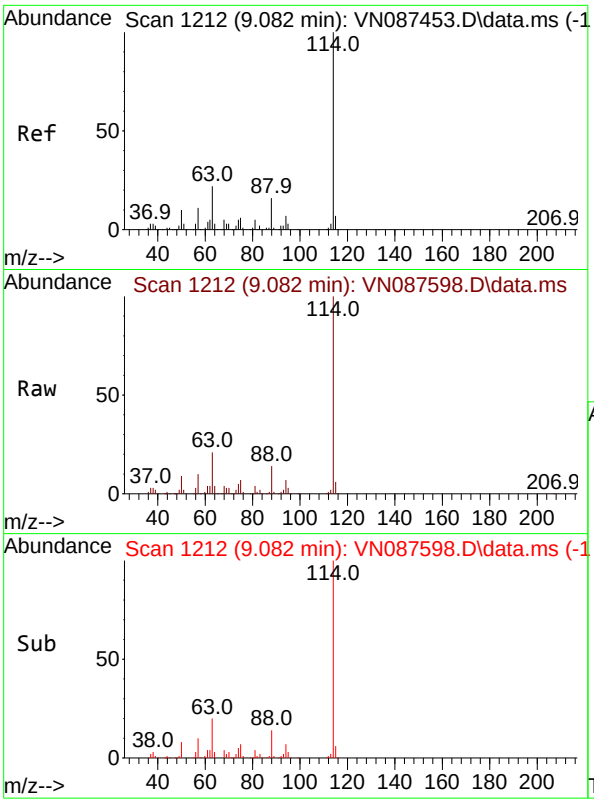


#27
1,2-Dichloroethane-d4
Concen: 28.482 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.006 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 65 Resp: 158591

Ion	Ratio	Lower	Upper
65	100		
67	51.1	40.8	61.2



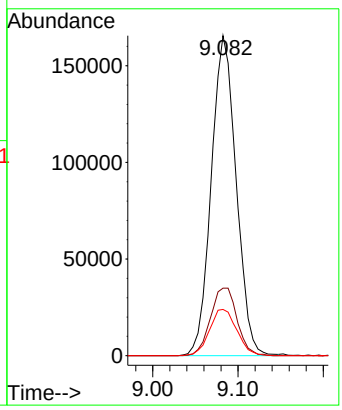


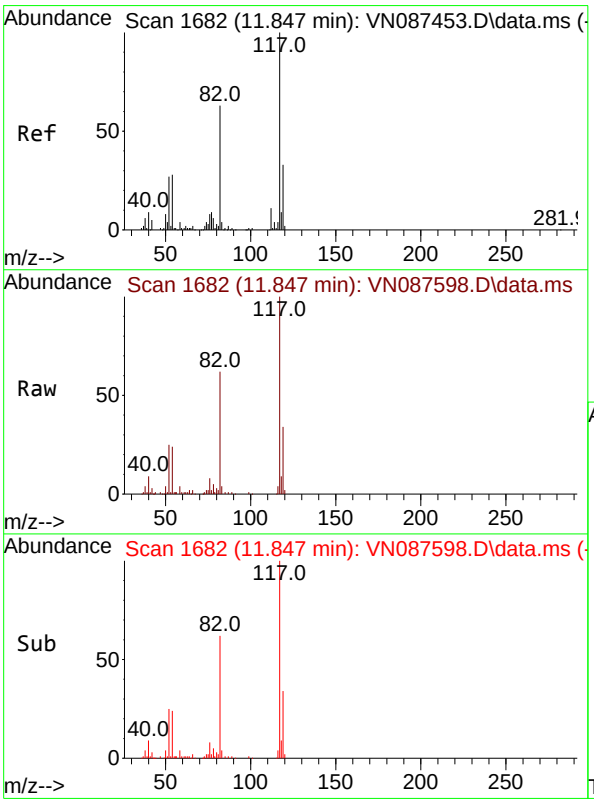
#28
1,4-Difluorobenzene
Concen: 30.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Tgt Ion:114 Resp: 336175

Ion	Ratio	Lower	Upper
114	100		
63	22.6	18.9	28.3
88	15.9	13.1	19.7

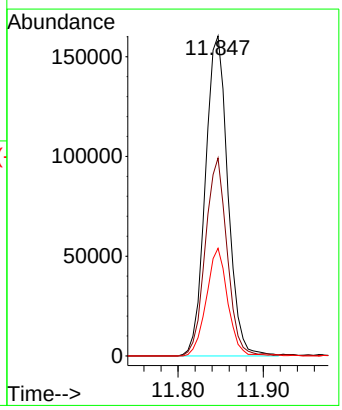


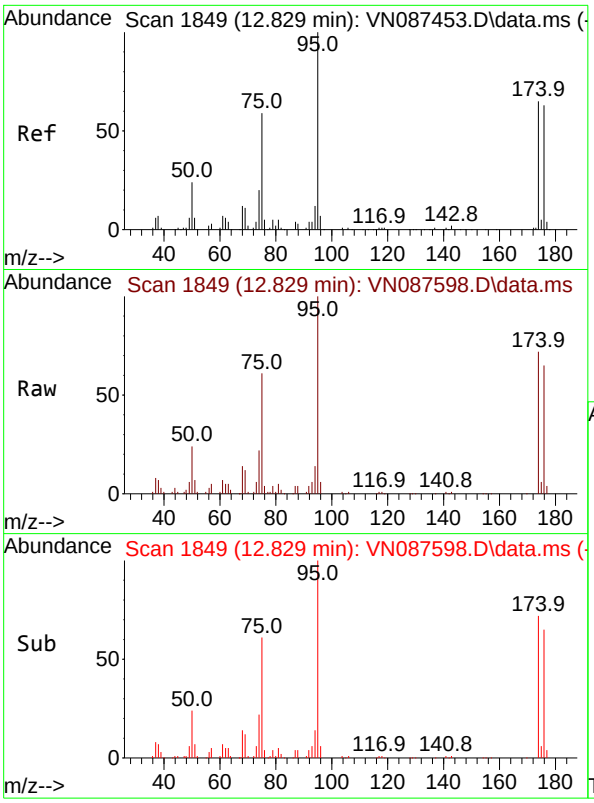


#57
Chlorobenzene-d5
Concen: 30.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion:117 Resp: 294352

Ion	Ratio	Lower	Upper
117	100		
82	59.6	49.2	73.8
119	31.6	25.7	38.5



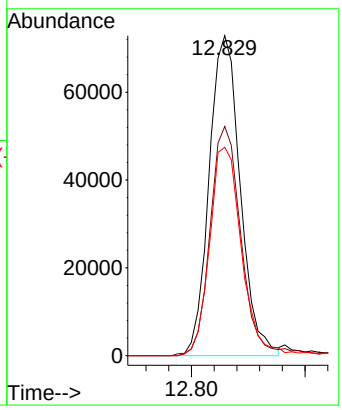


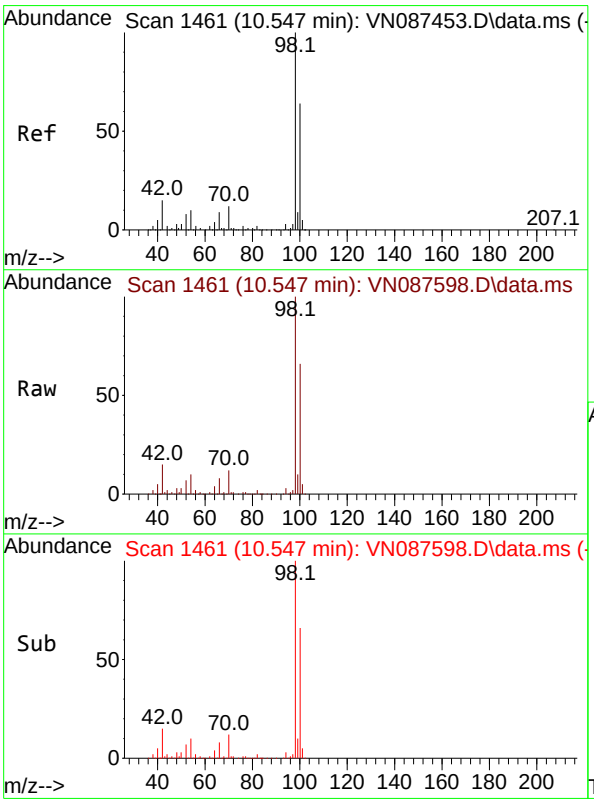
#60
4-Bromofluorobenzene
Concen: 27.329 ug/l
RT: 12.829 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Instrument :
MSVOA_N
ClientSampleId :
VN0818WBL01

Tgt Ion: 95 Resp: 138437

Ion	Ratio	Lower	Upper
95	100		
174	70.1	52.3	78.5
176	66.3	49.8	74.8

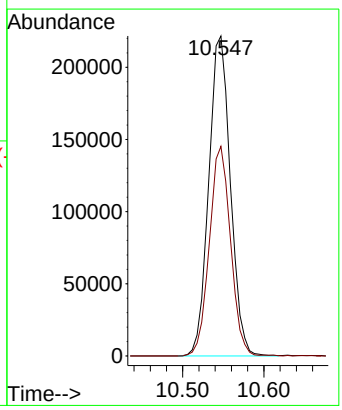




#63
Toluene-d8
Concen: 30.297 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087598.D
Acq: 18 Aug 2025 11:00

Tgt Ion: 98 Resp: 410336

Ion	Ratio	Lower	Upper
98	100		
100	63.9	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:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN0818WBS01		SDG No.:	Q2845	
Lab Sample ID:	VN0818WBS01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087596.D	1	08/18/25 10:06	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.9		0.45	5.00	ug/L
108-88-3	Toluene	18.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	17.7		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	36.0		1.30	10.0	ug/L
95-47-6	o-Xylene	17.8		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	28.4		91 - 110	95%	SPK: 30
2037-26-5	Toluene-d8	29.5		91 - 112	98%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	64900	7.8			
540-36-3	1,4-Difluorobenzene	357000	9.083			
3114-55-4	Chlorobenzene-d5	320000	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\VN081825\
Data File : VN087596.D
Acq On : 18 Aug 2025 10:06
Operator : JC\MD
Sample : VN0818WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:09:46 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 :
VN0818WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Bromochloromethane	7.800	128	64865	30.000	ug/l	0.00
28) 1,4-Difluorobenzene	9.083	114	356557	30.000	ug/l	0.00
57) Chlorobenzene-d5	11.847	117	320424	30.000	ug/l	0.00
System Monitoring Compounds						
27) 1,2-Dichloroethane-d4	8.559	65	170159	28.441	ug/l	0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 94.800%			
60) 4-Bromofluorobenzene	12.829	95	158948	28.825	ug/l	0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.067%			
63) Toluene-d8	10.547	98	435167	29.516	ug/l	0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.400%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	73285	17.305	ug/l	95
3) Chloromethane	2.383	50	77025	17.727	ug/l	97
4) Vinyl Chloride	2.542	62	84326	18.298	ug/l	98
5) Bromomethane	2.983	94	33770	13.538	ug/l	98
6) Chloroethane	3.136	64	56557	19.032	ug/l	97
7) Trichlorofluoromethane	3.506	101	126678	19.100	ug/l	98
8) Diethyl Ether	3.959	74	53133	19.229	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.371	101	67601	19.988	ug/l	98
10) 1,1-Dichloroethene	4.342	96	71432	20.107	ug/l	100
11) Methyl Iodide	4.577	142	47256	16.894	ug/l	97
12) Methyl Acetate	5.012	43	122806	18.732	ug/l	91
13) Acrolein	4.171	56	126320	126.155	ug/l	95
14) Acrylonitrile	5.706	53	253336	88.495	ug/l	98
15) Acetone	4.418	58	89804	109.791	ug/l	94
16) Carbon Disulfide	4.706	76	202123	18.341	ug/l	97
17) Allyl chloride	5.012	41	109801	15.164	ug/l	94
18) Methylene Chloride	5.265	84	81724	17.869	ug/l	89
19) trans-1,2-Dichloroethene	5.771	96	75026	17.759	ug/l	93
20) Diisopropyl ether	6.659	45	270726	16.412	ug/l	98
21) 1,1-Dichloroethane	6.547	63	147822	17.336	ug/l	96
22) cis-1,2-Dichloroethene	7.477	96	93453	17.978	ug/l	96
23) tert-Butyl Alcohol	5.524	59	109179	89.752	ug/l #	100
24) Methyl tert-Butyl Ether	5.795	73	286415	17.693	ug/l #	72
25) Chloroform	7.947	83	158559	17.815	ug/l	98
26) Cyclohexane	8.241	56	119147	17.452	ug/l #	96
29) 1,1-Dichloropropene	8.359	75	104460	17.962	ug/l	98
30) 2-Butanone	7.471	43	386193	90.091	ug/l	99
31) 2,2-Dichloropropane	7.471	77	135120	18.015	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	132136	17.815	ug/l	98
33) Carbon Tetrachloride	8.347	117	112626	18.278	ug/l	95
34) Benzene	8.594	78	328631	17.902	ug/l	97
35) Methacrylonitrile	7.759	41	81486	17.615	ug/l	89
36) 1,2-Dichloroethane	8.653	62	126853	17.097	ug/l #	93
37) Trichloroethene	9.335	130	74306	18.375	ug/l	91
38) Methylcyclohexane	9.582	83	117937	17.481	ug/l	97
39) 1,2-Dichloropropane	9.600	63	83296	17.697	ug/l	98
40) Dibromomethane	9.688	93	61834	17.510	ug/l	94
41) Bromodichloromethane	9.871	83	128416	17.500	ug/l #	99
42) Vinyl Acetate	6.589	43	1217078	86.215	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087596.D
Acq On : 18 Aug 2025 10:06
Operator : JC\MD
Sample : VN0818WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:09:46 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 :
VN0818WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.553	43	145219	17.536	ug/l		99
44) Isopropyl Acetate	8.671	43	238620	16.998	ug/l		100
45) 1,4-Dioxane	9.682	88	35181	393.125	ug/l		92
46) Methyl methacrylate	9.665	41	107919	16.286	ug/l		92
47) n-amyl Acetate	12.523	43	123862m	15.972	ug/l		
48) t-1,3-Dichloropropene	10.818	75	135668	16.994	ug/l		97
49) cis-1,3-Dichloropropene	10.294	75	139058	17.308	ug/l		93
50) 1,1,2-Trichloroethane	10.994	97	80118	17.956	ug/l		99
51) Ethyl methacrylate	10.859	69	136612	17.385	ug/l		94
52) 1,3-Dichloropropane	11.147	76	142937	17.782	ug/l		99
53) Dibromochloromethane	11.341	129	89243	17.319	ug/l		99
54) 1,2-Dibromoethane	11.447	107	85080	17.962	ug/l		97
55) 2-Chloroethyl vinyl ether	10.141	63	374401	90.507	ug/l		99
56) Bromoform	12.559	173	52780	15.486	ug/l		95
58) 4-Methyl-2-Pentanone	10.430	43	721584	87.541	ug/l		98
59) 2-Hexanone	11.182	43	477499	85.259	ug/l		98
61) Tetrachloroethene	11.082	164	63686	20.401	ug/l	#	83
62) Toluene	10.612	91	355597	17.981	ug/l		100
64) Chlorobenzene	11.871	112	219723	18.081	ug/l		99
65) 1,1,1,2-Tetrachloroethane	11.941	131	75107	17.579	ug/l		98
66) Ethyl Benzene	11.941	91	389273	17.660	ug/l		97
67) m/p-Xylenes	12.053	106	291109	35.979	ug/l		97
68) o-Xylene	12.376	106	141800	17.814	ug/l		98
69) Styrene	12.394	104	238497	17.547	ug/l		98
70) Isopropylbenzene	12.676	105	369744	18.283	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.918	83	126846	18.306	ug/l		98
72) 1,2,3-Trichloropropane	12.971	75	120566m	18.678	ug/l		
73) Bromobenzene	12.959	156	85863	18.315	ug/l		90
74) n-propylbenzene	13.018	91	448033	17.740	ug/l		100
75) 2-Chlorotoluene	13.106	91	268188	17.263	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	310074	17.908	ug/l		98
77) t-1,4-Dichloro-2-butene	12.723	75	24306	9.947	ug/l		84
78) 4-Chlorotoluene	13.200	91	277560	17.630	ug/l		99
79) tert-butylbenzene	13.418	119	263685	18.062	ug/l		97
80) 1,2,4-Trimethylbenzene	13.459	105	313131	18.098	ug/l		98
81) sec-Butylbenzene	13.594	105	385546	18.141	ug/l		99
82) p-Isopropyltoluene	13.706	119	313878	17.787	ug/l		99
83) 1,3-Dichlorobenzene	13.712	146	165175	18.502	ug/l		99
84) 1,4-Dichlorobenzene	13.794	146	169851	18.767	ug/l		98
85) n-Butylbenzene	14.035	91	302297	17.509	ug/l		99
86) Hexachloroethane	14.312	117	53860	15.630	ug/l		95
87) 1,2-Dichlorobenzene	14.082	146	156400	18.354	ug/l		99
88) 1,2-Dibromo-3-Chloropr...	14.700	75	29700	16.920	ug/l		92
89) 1,2,4-Trichlorobenzene	15.817	180	92165	18.097	ug/l		99
90) Hexachlorobutadiene	15.476	225	33852	17.094	ug/l		96
91) Naphthalene	15.617	128	345054	17.769	ug/l		99
92) 1,2,3-Trichlorobenzene	15.817	180	92165	18.097	ug/l		99

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

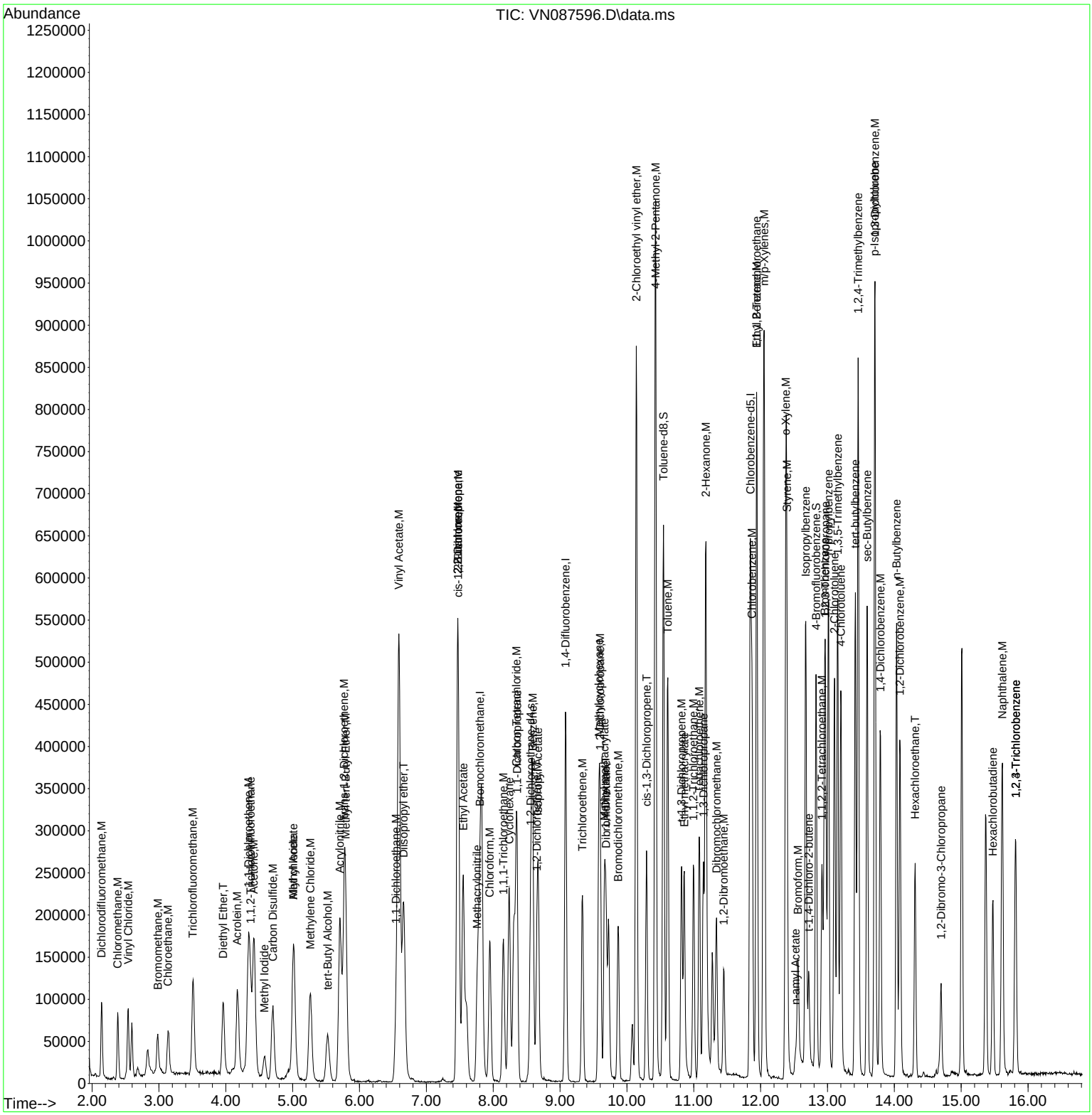
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087596.D
Acq On : 18 Aug 2025 10:06
Operator : JC\MD
Sample : VN0818WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 19 01:09:46 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 :
VN0818WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/19/2025
Supervised By :Mahesh Dadoda 08/20/2025



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

Report of Analysis

Client:	Tully Environmental, Inc		Date Collected:		
Project:	Transfer Station-SPDES		Date Received:		
Client Sample ID:	VN0818WBSD01		SDG No.:	Q2845	
Lab Sample ID:	VN0818WBSD01		Matrix:	Water	
Analytical Method:	E624.1		% Solid:	0	
Sample Wt/Vol:	5 Units: mL		Final Vol:	5000	uL
Soil Aliquot Vol:	uL		Test:	VOC-BTEX	
GC Column:	RXI-624 ID : 0.25		Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087597.D	1	08/18/25 10:39	VN081825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
71-43-2	Benzene	17.6		0.45	5.00	ug/L
108-88-3	Toluene	18.0		0.46	5.00	ug/L
100-41-4	Ethyl Benzene	18.0		0.56	5.00	ug/L
179601-23-1	m/p-Xylenes	36.2		1.30	10.0	ug/L
95-47-6	o-Xylene	17.7		0.67	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	29.5		91 - 110	98%	SPK: 30
2037-26-5	Toluene-d8	29.7		91 - 112	99%	SPK: 30
460-00-4	4-Bromofluorobenzene	28.8		63 - 112	96%	SPK: 30
INTERNAL STANDARDS						
74-97-5	Bromochloromethane	62000	7.794			
540-36-3	1,4-Difluorobenzene	351000	9.082			
3114-55-4	Chlorobenzene-d5	311000	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\VN081825\
Data File : VN087597.D
Acq On : 18 Aug 2025 10:39
Operator : JC\MD
Sample : VN0818WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 01:10:50 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 :
VN0818WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone
08/19/2025
Supervised By :Mahesh Dadoda
08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Bromochloromethane	7.794	128	61980	30.000	ug/l		0.00
28) 1,4-Difluorobenzene	9.082	114	351353	30.000	ug/l		0.00
57) Chlorobenzene-d5	11.847	117	310931	30.000	ug/l		0.00
System Monitoring Compounds							
27) 1,2-Dichloroethane-d4	8.565	65	168562	29.486	ug/l		0.00
Spiked Amount 30.000	Range 91 - 110		Recovery = 98.300%				
60) 4-Bromofluorobenzene	12.829	95	154270	28.831	ug/l		0.00
Spiked Amount 30.000	Range 63 - 112		Recovery = 96.100%				
63) Toluene-d8	10.547	98	424585	29.677	ug/l		0.00
Spiked Amount 30.000	Range 91 - 112		Recovery = 98.933%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	77926	19.257	ug/l		97
3) Chloromethane	2.383	50	74803	18.017	ug/l		94
4) Vinyl Chloride	2.542	62	81829	18.583	ug/l		98
5) Bromomethane	2.977	94	31773	13.330	ug/l	#	77
6) Chloroethane	3.136	64	55862	19.673	ug/l		97
7) Trichlorofluoromethane	3.512	101	126427	19.949	ug/l		100
8) Diethyl Ether	3.959	74	51880	19.650	ug/l		100
9) 1,1,2-Trichlorotrifluo...	4.359	101	67984	21.036	ug/l		65
10) 1,1-Dichloroethene	4.336	96	69023	20.333	ug/l		98
11) Methyl Iodide	4.583	142	47583	17.802	ug/l		95
12) Methyl Acetate	5.018	43	123904	19.779	ug/l	#	88
13) Acrolein	4.177	56	44979	47.011	ug/l		97
14) Acrylonitrile	5.706	53	252832	92.430	ug/l		98
15) Acetone	4.430	58	82979	106.169	ug/l		89
16) Carbon Disulfide	4.700	76	196852	18.695	ug/l		100
17) Allyl chloride	5.006	41	107862	15.589	ug/l		98
18) Methylene Chloride	5.265	84	80805	18.491	ug/l		87
19) trans-1,2-Dichloroethene	5.777	96	72827	18.041	ug/l		96
20) Diisopropyl ether	6.659	45	268713	17.048	ug/l		97
21) 1,1-Dichloroethane	6.553	63	144662	17.755	ug/l		98
22) cis-1,2-Dichloroethene	7.471	96	87968	17.711	ug/l		99
23) tert-Butyl Alcohol	5.524	59	105664	90.906	ug/l	#	100
24) Methyl tert-Butyl Ether	5.789	73	284424	18.388	ug/l		96
25) Chloroform	7.947	83	151920	17.863	ug/l		100
26) Cyclohexane	8.241	56	123852	18.986	ug/l	#	99
29) 1,1-Dichloropropene	8.353	75	104689	18.268	ug/l		98
30) 2-Butanone	7.471	43	371747	88.006	ug/l		98
31) 2,2-Dichloropropane	7.477	77	130523	17.660	ug/l	#	82
32) 1,1,1-Trichloroethane	8.153	97	134965	18.466	ug/l		93
33) Carbon Tetrachloride	8.347	117	111683	18.394	ug/l		98
34) Benzene	8.588	78	317782	17.567	ug/l		99
35) Methacrylonitrile	7.765	41	76749	16.837	ug/l		93
36) 1,2-Dichloroethane	8.653	62	127575	17.449	ug/l		100
37) Trichloroethene	9.329	130	74460	18.686	ug/l		88
38) Methylcyclohexane	9.582	83	122949	18.494	ug/l		99
39) 1,2-Dichloropropane	9.600	63	81585	17.590	ug/l		99
40) Dibromomethane	9.688	93	60461	17.374	ug/l		95
41) Bromodichloromethane	9.871	83	125125	17.304	ug/l	#	98
42) Vinyl Acetate	6.594	43	1185689	85.235	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087597.D
Acq On : 18 Aug 2025 10:39
Operator : JC\MD
Sample : VN0818WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 01:10:50 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 :
VN0818WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone
08/19/2025
Supervised By :Mahesh Dadoda
08/20/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
43) Ethyl Acetate	7.547	43	141039	17.283	ug/l		95
44) Isopropyl Acetate	8.671	43	234275	16.936	ug/l		98
45) 1,4-Dioxane	9.682	88	34191	387.722	ug/l		99
46) Methyl methacrylate	9.665	41	109176	16.720	ug/l		91
47) n-amyl Acetate	12.529	43	126529m	16.558	ug/l		
48) t-1,3-Dichloropropene	10.818	75	130700	16.614	ug/l		98
49) cis-1,3-Dichloropropene	10.294	75	135014	17.053	ug/l		97
50) 1,1,2-Trichloroethane	10.994	97	80093	18.217	ug/l		94
51) Ethyl methacrylate	10.853	69	135754	17.532	ug/l		91
52) 1,3-Dichloropropane	11.141	76	140443	17.730	ug/l		98
53) Dibromochloromethane	11.341	129	87438	17.220	ug/l		99
54) 1,2-Dibromoethane	11.447	107	84916	18.193	ug/l		99
55) 2-Chloroethyl vinyl ether	10.141	63	363591	89.196	ug/l		99
56) Bromoform	12.559	173	55564	16.544	ug/l	#	99
58) 4-Methyl-2-Pentanone	10.429	43	721024	90.144	ug/l		99
59) 2-Hexanone	11.176	43	471315	86.724	ug/l		100
61) Tetrachloroethene	11.082	164	60467	19.961	ug/l		97
62) Toluene	10.612	91	345500	18.004	ug/l		99
64) Chlorobenzene	11.870	112	216777	18.383	ug/l		100
65) 1,1,1,2-Tetrachloroethane	11.941	131	74040	17.858	ug/l		99
66) Ethyl Benzene	11.941	91	383950	17.950	ug/l		100
67) m/p-Xylenes	12.053	106	283956	36.167	ug/l		97
68) o-Xylene	12.376	106	136790	17.709	ug/l		97
69) Styrene	12.394	104	231079	17.521	ug/l		99
70) Isopropylbenzene	12.676	105	359719	18.331	ug/l		99
71) 1,1,2,2-Tetrachloroethane	12.917	83	124913	18.578	ug/l		99
72) 1,2,3-Trichloropropane	12.970	75	118482m	18.916	ug/l		
73) Bromobenzene	12.959	156	83683	18.395	ug/l		96
74) n-propylbenzene	13.012	91	453083	18.487	ug/l		100
75) 2-Chlorotoluene	13.106	91	267207	17.725	ug/l		98
76) 1,3,5-Trimethylbenzene	13.153	105	304513	18.123	ug/l		99
77) t-1,4-Dichloro-2-butene	12.723	75	23545	9.930	ug/l		89
78) 4-Chlorotoluene	13.200	91	278322	18.218	ug/l		98
79) tert-butylbenzene	13.417	119	261728	18.475	ug/l		98
80) 1,2,4-Trimethylbenzene	13.459	105	312997	18.643	ug/l		98
81) sec-Butylbenzene	13.594	105	387428	18.786	ug/l		99
82) p-Isopropyltoluene	13.706	119	323351	18.883	ug/l		100
83) 1,3-Dichlorobenzene	13.712	146	160385	18.514	ug/l		98
84) 1,4-Dichlorobenzene	13.788	146	166757	18.987	ug/l		98
85) n-Butylbenzene	14.035	91	319419	19.066	ug/l		97
86) Hexachloroethane	14.311	117	53120	15.886	ug/l		96
87) 1,2-Dichlorobenzene	14.088	146	156074	18.875	ug/l		100
88) 1,2-Dibromo-3-Chloropr...	14.700	75	30197	17.728	ug/l		93
89) 1,2,4-Trichlorobenzene	15.811	180	91292	18.473	ug/l		99
90) Hexachlorobutadiene	15.476	225	35687	18.571	ug/l		95
91) Naphthalene	15.617	128	348710	18.506	ug/l		99
92) 1,2,3-Trichlorobenzene	15.811	180	91292	18.473	ug/l		99

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081825\
Data File : VN087597.D
Acq On : 18 Aug 2025 10:39
Operator : JC\MD
Sample : VN0818WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 19 01:10:50 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 :
VN0818WBSD01

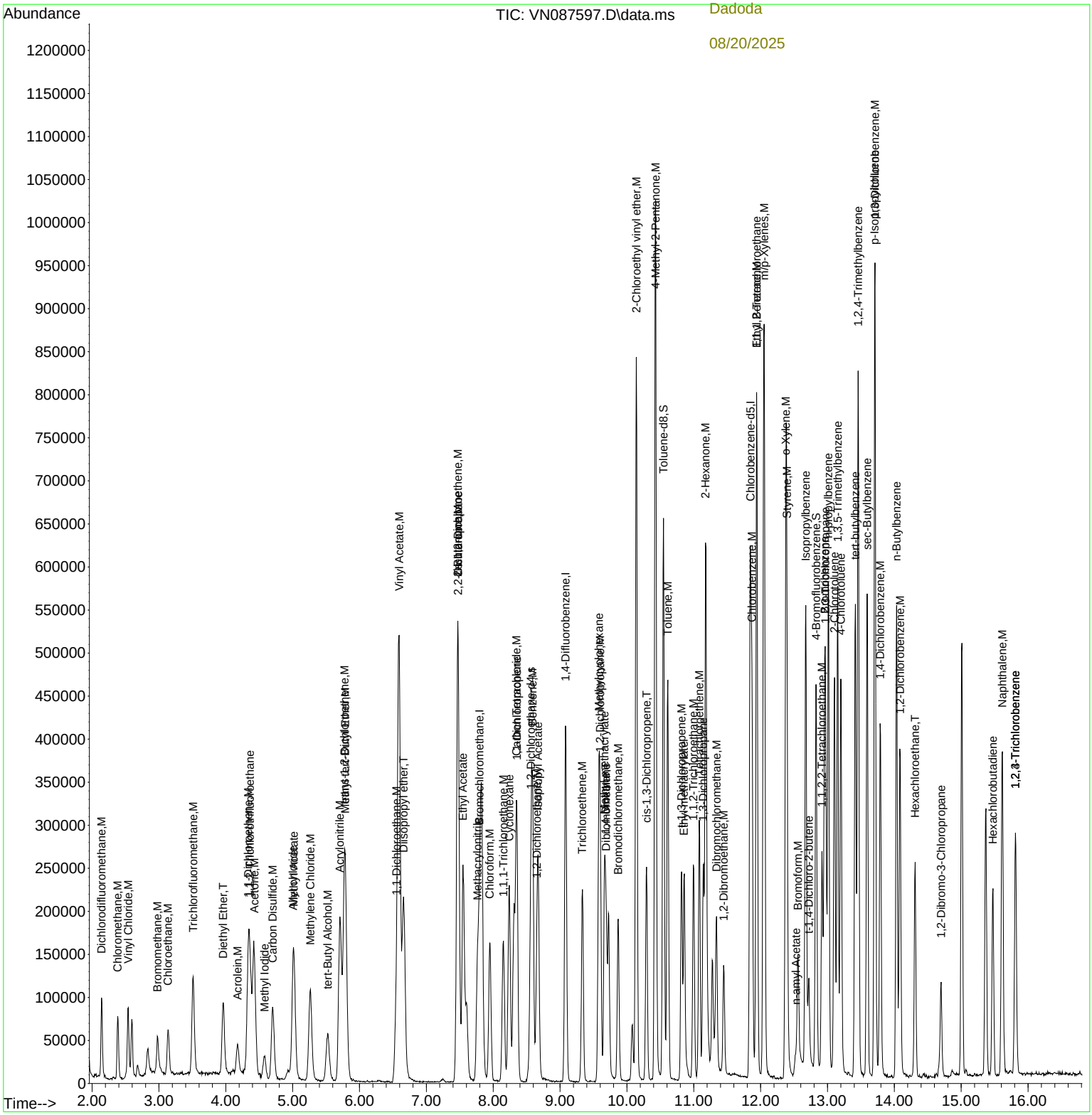
Manual Integrations APPROVED

Reviewed By :John Carlone

08/19/2025

Supervised By :Mahesh Dadoda

08/20/2025



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:	VN081825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC020	VN087595.D	n-amyl Acetate	JOHN	8/18/2025 3:49:01 PM	MMDadoda	8/20/2025 8:55:08 AM	Peak Integrated by Software
VSTDCCC020	VN087595.D	trans-1,2-Dichloroethene	JOHN	8/18/2025 3:49:01 PM	MMDadoda	8/20/2025 8:55:08 AM	Peak Integrated by Software
VN0818WBS01	VN087596.D	1,2,3-Trichloropropane	JOHN	8/19/2025 8:25:03 AM	MMDadoda	8/20/2025 8:55:09 AM	Peak Integrated by Software
VN0818WBS01	VN087596.D	n-amyl Acetate	JOHN	8/19/2025 8:25:03 AM	MMDadoda	8/20/2025 8:55:09 AM	Peak Integrated by Software
VN0818WBSD01	VN087597.D	1,2,3-Trichloropropane	JOHN	8/19/2025 8:25:09 AM	MMDadoda	8/20/2025 8:55:10 AM	Peak Integrated by Software
VN0818WBSD01	VN087597.D	n-amyl Acetate	JOHN	8/19/2025 8:25:09 AM	MMDadoda	8/20/2025 8:55:10 AM	Peak Integrated by Software
Q2845-04	VN087600.D	Ethyl Benzene	JOHN	8/19/2025 8:25:14 AM	MMDadoda	8/20/2025 8:55:12 AM	Peak Integrated by Software

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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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081825

Review By	John Carlone	Review On	8/19/2025 8:25:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:55:22 AM		
SubDirectory	VN081825	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135160
Initial Calibration Stds	
CCC	VP135161,VP135162
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087594.D	18 Aug 2025 08:56	JC\MD	Ok
2	VSTDCCC020	VN087595.D	18 Aug 2025 09:29	JC\MD	Ok,M
3	VN0818WBS01	VN087596.D	18 Aug 2025 10:06	JC\MD	Ok,M
4	VN0818WBSD01	VN087597.D	18 Aug 2025 10:39	JC\MD	Ok,M
5	VN0818WBL01	VN087598.D	18 Aug 2025 11:00	JC\MD	Ok
6	Q2845-01	VN087599.D	18 Aug 2025 11:36	JC\MD	Ok
7	Q2845-04	VN087600.D	18 Aug 2025 11:57	JC\MD	Dilution
8	Q2845-04DL	VN087601.D	18 Aug 2025 12:42	JC\MD	Ok

M : Manual Integration

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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

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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

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081825

Review By	John Carlone	Review On	8/19/2025 8:25:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/20/2025 8:55:22 AM		
SubDirectory	VN081825	HP Acquire Method		HP Processing Method	624N080525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135160
Initial Calibration Stds	
CCC	VP135161,VP135162
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	VN087594.D	18 Aug 2025 08:56		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087595.D	18 Aug 2025 09:29	pH#Lot#V12668	JC\MD	Ok,M
3	VN0818WBS01	VN0818WBS01	VN087596.D	18 Aug 2025 10:06		JC\MD	Ok,M
4	VN0818WBSD01	VN0818WBSD01	VN087597.D	18 Aug 2025 10:39		JC\MD	Ok,M
5	VN0818WBL01	VN0818WBL01	VN087598.D	18 Aug 2025 11:00		JC\MD	Ok
6	Q2845-01	001 willets Pt Blvd(july)	VN087599.D	18 Aug 2025 11:36	vial A pH<2	JC\MD	Ok
7	Q2845-04	002 35th Ave (july)	VN087600.D	18 Aug 2025 11:57	vial A pH<2 Needs 5x dilution	JC\MD	Dilution
8	Q2845-04DL	002 35th Ave (july)DL	VN087601.D	18 Aug 2025 12:42	vial B pH<2	JC\MD	Ok

M : Manual Integration

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 Fax: (908) 788-9222
www.chemtech.net

CHAIN OF CUSTODY RECORD

Alliance Project Number: Q2845 Q2846

COC Number:

CLIENT INFORMATION

COMPANY: Tully Environmental Inc.
ADDRESS: 57 Seaview Blvd
CITY: Pt Washington STATE: NY. ZIP: 11050
ATTENTION: Dean Devoe
PHONE: 718 446 7000 FAX:

PROJECT INFORMATION

PROJECT NAME: Transfer Station SPDES
PROJECT #: 252113 LOCATION:
PROJECT MANAGER:
E-MAIL:
PHONE: FAX:

BILLING INFORMATION

BILL TO: Same PO#
ADDRESS:
CITY: STATE: ZIP:
ATTENTION: PHONE:

DATA TURNAROUND INFORMATION

FAX:_____ DAYS*
HARD COPY:_____DAYS*
EDD_____DAYS*
* TO BE APPROVED BY ALLIANCE
STANDARD TURNAROUND TIME IS 10 BUSINESS DAYS

DATA DELIVERABLE INFORMATION

- ✱ RESULTS ONLY
- ❑ RESULTS + QC
- ❑ New Jersey REDUCED
- ❑ New Jersey CLP
- ❑ EDD Format_____
- ❑ USEPA CLP
- ❑ New York State ASP "B"
- ❑ New York State ASP "A"
- ❑ Other_____

ANALYSIS

	1	2	3	4	5	6	7	8	9
	Hg 1631 LL	TSS/ O&G	Cu, Fe, PB	BTEX					

CHEMTECH SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# of Bottles	PRESERVATIVES 1	2	3	4	5	6	7	8	9	COMMENTS
1.	001 Willets Pt Blvd (July)	W		X	8/12/25	11:30	7	X	X	X	X						
2.	002 35th Ave (July)	W		X	8/12/25	11:30	5	X	X	X	X						
3.																	
4.																	
5.																	
6.																	
7.																	
8.																	
9.																	
10.																	

<-- Specify Preservatives
A-HCl B-HNO3
C-H2SO4 D-NaOH
E-ICE F-Other

SAMPLE CUSTODY MUST BE DOCUMENTED BELOW EACH TIME SAMPLES CHANGE PROSSESSION INCLUDING COURIER DELIVERY

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. D Devoe	Aug 12, 2025	1. 1120 8-13-25
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.
RELINQUISHED BY 3.	DATE/TIME	RECEIVED FOR LAB BY 3.

Conditions of bottles or coolers at receipt: ❑ Compliant ❑ Non Compliant ❑ Cooler Temp 16.7°C
MeOH extraction requires an additional 4oz. Jar for percent solid ❑ Ice in Cooler?:_____
Comments:

Page_____of_____

SHIPPED VIA: CLIENT: ❑ Hand Delivered ❑ Overnight
ALLIANCE: ❑ Picked Up ❑ Overnight

Shipment Complete ❑ YES ❑ NO

WHITE - ALLIANCE COPYFOR RETURN TO CLIENT **YELLOW** - ALLIANCE COPY **PINK** - SAMPLER COPY

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	TX-C25-00189
Virginia	460312

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2845 TULL01
Client Name : Tully Environmental, Inc
Client Contact : Dean Devoe
Invoice Name : Tully Environmental, Inc
Invoice Contact : Dean Devoe

Order Date : 8/13/2025 11:47:00 AM
Project Name : Transfer Station-SPDES
Receive DateTime : 8/13/2025 11:20:00 AM
Purchase Order :

Project Mgr :
Report Type : Results Only
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
Q2845-01	001 willets Pt Blvd(july)	Water	08/12/2025	11:30					
					VOC-BTEX		624.1	2 Bus. Days	
Q2845-04	002 35th Ave (july)	Water	08/12/2025	11:30					
					VOC-BTEX		624.1	2 Bus. Days	

Relinquished By : CR
Date / Time : 8/13/25 1230

Received By : Sally
Date / Time : 08/13/25 12:30 Pg # 5
Storage Area : VOA Refridgerator Room