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Cover Page

Order ID : Q2236

Project ID : 540 Degraw St, Brooklyn, NY - E9309

Client : ENTACT

Lab Sample Number	Client Sample Number
Q2236-01	WC-A4-05A-G
Q2236-02	WC-A4-05A-C
Q2236-03	WC-A4-05A-C
Q2236-04	WC-A4-05A-C
Q2236-05	WC-A2-04-G
Q2236-06	WC-A2-04-C
Q2236-07	WC-A2-04-C
Q2236-08	WC-A2-04-C
Q2236-09	WC-A2-05-G
Q2236-10	WC-A2-05-C
Q2236-11	WC-A2-05-C
Q2236-12	WC-A2-05-C
Q2236-13	WC-A2-06-G
Q2236-14	WC-A2-06-C
Q2236-15	WC-A2-06-C
Q2236-16	WC-A2-06-C
Q2236-17	WC-A2-07-G
Q2236-18	WC-A2-07-C
Q2236-19	WC-A2-07-C
Q2236-20	WC-A2-07-C

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: 6/13/2025

NYDOH CERTIFICATION NO - 11376

NJDEP CERTIFICATION NO - 20012

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CASE NARRATIVE

ENTACT
Project Name: 540 Degraw St, Brooklyn, NY - E9309
Project # N/A
Order ID # Q2236
Test Name: TCLP VOA

A. Number of Samples and Date of Receipt:
20 Solid samples were received on 06/04/2025.

B. Parameters
According to the Chain of Custody document, the following analyses were requested: ASTM Ammonia, ASTM COD, ASTM Leach Extraction, ASTM Oil and Grease, ASTM TS, Corrosivity, Ignitability, Oil and Grease, Paint Filter, PCB, pH, RCRA CHARACTERISTICS, Reactive Cyanide, Reactive Sulfide, TCLP BNA, TCLP Extraction, TCLP Herbicide, TCLP ICP Metals, TCLP Mercury, TCLP Pesticide, TCLP VOA, TCLP ZHE Extraction, TCLP-FULL, TCLPMetals Group2, TS and TVS. This data package contains results for TCLP VOA.

C. Analytical Techniques:
The analysis performed on instrument MSVOA_N were done using GC column Rxi-624SIL MS 30m, 0.25mm, 1.4 um, Cat. #13868.The analysis performed on instrument MSVOA_X were done using GC column DB-624UI 20m 0.18mm 1.0 um. Cat#121-1324UIThe analysis of TCLP VOA was based on method 8260D and TCLP extraction method was 1311.

D. QA/ QC Samples:
The Holding Times were met for all analysis.

The Surrogate recoveries met the acceptable criteria except for WC-A2-04-G [Dibromofluoromethane - 68%], WC-A2-04-GRE [Dibromofluoromethane - 65%], WC-A2-07-GRE [Dibromofluoromethane - 64%] these compounds did not meet the NJDKQP criteria and in-house criteria and WC-A2-07-G [Dibromofluoromethane - 70%] this compound did not meet the in-house criteria but met the NJDKQP criteria, All the failure samples in surrogates were reanalyzed to confirm the failure as per method and reported.

The Internal Standards Areas met the acceptable requirements except for WC-A2-07-G, the failure sample in Internal standard was reanalyzed to confirm the failure as per method and reported.

The Retention Times were acceptable for all samples.
The RPD met criteria .
The Blank Spike met requirements for all samples .

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The Blank Spike Duplicate met requirements for all samples .
The Blank analysis did not indicate the presence of lab contamination.
The Initial Calibration met the requirements .
The Continuous Calibration met the requirements .
The Tuning criteria met requirements.

E. Additional Comments:
Samples for MS/MSD for VOC analysis were not provided with this set of samples. The Blank Spike Duplicate is reported with the data.
Trip Blank was not provided with this set of samples.

Please use %D calculated based on Avg RF and CCRF for all compounds using Average Response Factor when the %RSD value for a compound is <20% for the Initial Calibration curve and use %D calculated based on Amount added and Calculated amount for all compounds using Linear Regression when the %RSD value for a compound is > 20% for the Initial Calibration curve for SW-846 analysis.

F. Manual Integration Comments:
Please refer to the Manual integration Report included with the Run Logs for information on the manual integrations performed.

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. The laboratory manager or his designee, as verified by the following signature has authorized release of the data contained in this hard copy data package.

Signature_____

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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 #: **Q2236**

	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: **PRADIP PRAJAPATI** **Date:** **06/13/2025**

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LAB CHRONICLE

OrderID:	Q2236	**OrderDate:**	6/5/2025 11:00:00 AM
Client:	ENTACT	**Project:**	540 Degraw St, Brooklyn, NY - E9309
Contact:	Austin Farmerie	**Location:**	N31

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2236-01	**WC-A4-05A-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/09/25	
Q2236-05	**WC-A2-04-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/07/25	
Q2236-05RE	**WC-A2-04-GRE**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/09/25	
Q2236-09	**WC-A2-05-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/09/25	
Q2236-13	**WC-A2-06-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/07/25	
Q2236-17	**WC-A2-07-G**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/07/25	
Q2236-17RE	**WC-A2-07-GRE**	**TCLP**			**06/04/25**			**06/04/25**
			TCLP VOA	8260D			06/09/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2236

Client: ENTACT

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**WC-A4-05A-G**							
Q2236-01	WC-A4-05A-G	TCLP	Vinyl Chloride	0.0031	J	0.00026	0.0050	mg/L
Q2236-01	WC-A4-05A-G	TCLP	Benzene	0.025		0.00015	0.0050	mg/L
			Total Voc :	0.028				
			Total Concentration:	0.028				
Client ID:	**WC-A2-04-G**							
Q2236-05	WC-A2-04-G	TCLP	Benzene	0.11		0.00015	0.0050	mg/L
			Total Voc :	0.11				
			Total Concentration:	0.11				
Client ID:	**WC-A2-04-GRE**							
Q2236-05RE	WC-A2-04-GRE	TCLP	Benzene	0.11		0.00015	0.0050	mg/L
			Total Voc :	0.11				
			Total Concentration:	0.11				
Client ID:	**WC-A2-05-G**							
Q2236-09	WC-A2-05-G	TCLP	Vinyl Chloride	0.0024	J	0.00026	0.0050	mg/L
Q2236-09	WC-A2-05-G	TCLP	Benzene	0.023		0.00015	0.0050	mg/L
			Total Voc :	0.025				
			Total Concentration:	0.025				
Client ID:	**WC-A2-07-G**							
Q2236-17	WC-A2-07-G	TCLP	Benzene	0.063		0.00015	0.0050	mg/L
			Total Voc :	0.063				
			Total Concentration:	0.063				
Client ID:	**WC-A2-07-GRE**							
Q2236-17RE	WC-A2-07-GRE	TCLP	Benzene	0.051		0.00015	0.0050	mg/L
			Total Voc :	0.051				
			Total Concentration:	0.051				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2236

Client: ENTACT

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery	Qual	Limits Low	Limits High
Q2236-01	WC-A4-05A-G	1,2-Dichloroethane-d4	50	43.3	87		70 (74)	130 (125)
		Dibromofluoromethane	50	42.8	86		70 (75)	130 (124)
		Toluene-d8	50	51.3	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98		70 (77)	130 (121)
Q2236-05	WC-A2-04-G	1,2-Dichloroethane-d4	50	49.4	99		70 (74)	130 (125)
		Dibromofluoromethane	50	33.8	68	*	70 (75)	130 (124)
		Toluene-d8	50	53.0	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.6	115		70 (77)	130 (121)
Q2236-05RE	WC-A2-04-GRE	1,2-Dichloroethane-d4	50	43.2	86		70 (74)	130 (125)
		Dibromofluoromethane	50	32.6	65	*	70 (75)	130 (124)
		Toluene-d8	50	51.3	103		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.6	97		70 (77)	130 (121)
Q2236-09	WC-A2-05-G	1,2-Dichloroethane-d4	50	41.5	83		70 (74)	130 (125)
		Dibromofluoromethane	50	40.2	80		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	98		70 (77)	130 (121)
Q2236-13	WC-A2-06-G	1,2-Dichloroethane-d4	50	46.2	92		70 (74)	130 (125)
		Dibromofluoromethane	50	41.6	83		70 (75)	130 (124)
		Toluene-d8	50	52.6	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.0	118		70 (77)	130 (121)
Q2236-17	WC-A2-07-G	1,2-Dichloroethane-d4	50	47.5	95		70 (74)	130 (125)
		Dibromofluoromethane	50	34.9	70		70 (75)	130 (124)
		Toluene-d8	50	52.8	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.1	116		70 (77)	130 (121)
Q2236-17RE	WC-A2-07-GRE	1,2-Dichloroethane-d4	50	42.8	86		70 (74)	130 (125)
		Dibromofluoromethane	50	31.8	64	*	70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.8	96		70 (77)	130 (121)
VX0606WBL02	VX0606WBL02	1,2-Dichloroethane-d4	50	49.3	99		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	48.8	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108		70 (77)	130 (121)
VX0606WBS02	VX0606WBS02	1,2-Dichloroethane-d4	50	49.1	98		70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97		70 (75)	130 (124)
		Toluene-d8	50	49.3	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.6	101		70 (77)	130 (121)

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Surrogate Summary

SDG No.: Q2236

Client: ENTACT

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
VN0609WBL01	VN0609WBL01	1,2-Dichloroethane-d4	50	42.8	86	70 (74)	130 (125)
		Dibromofluoromethane	50	48.1	96	70 (75)	130 (124)
		Toluene-d8	50	50.7	101	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)
VN0609WBS01	VN0609WBS01	1,2-Dichloroethane-d4	50	56.6	113	70 (74)	130 (125)
		Dibromofluoromethane	50	58.6	117	70 (75)	130 (124)
		Toluene-d8	50	55.2	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111	70 (77)	130 (121)
VN0609WBSD0	VN0609WBSD01	1,2-Dichloroethane-d4	50	44.5	89	70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101	70 (75)	130 (124)
		Toluene-d8	50	48.2	96	70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.7	95	70 (77)	130 (121)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2236

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN086893.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0609WBS01	Vinyl chloride	20	18.3	ug/L	92			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.1	ug/L	101			70 (74)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.3	ug/L	97			70 (77)	130 (113)	
	Chloroform	20	20.0	ug/L	100			70 (79)	130 (113)	
	Benzene	20	20.2	ug/L	101			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.4	ug/L	107			70 (80)	130 (115)	
	Trichloroethene	20	20.9	ug/L	104			70 (77)	130 (113)	
	Tetrachloroethene	20	19.5	ug/L	98			70 (67)	130 (123)	
	Chlorobenzene	20	20.9	ug/L	104			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2236

Client: ENTACT

Analytical Method: SW8260-Low **Datafile :** VN086902.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0609WBSD01	Vinyl chloride	20	18.2	ug/L	91	1		70 (65)	130 (117)	20 (20)
	1,1-Dichloroethene	20	19.5	ug/L	98	3		70 (74)	130 (110)	20 (20)
	2-Butanone	100	82.3	ug/L	82	20		40 (65)	160 (122)	20 (20)
	Carbon Tetrachloride	20	19.4	ug/L	97	0		70 (77)	130 (113)	20 (20)
	Chloroform	20	18.4	ug/L	92	8		70 (79)	130 (113)	20 (20)
	Benzene	20	19.0	ug/L	95	6		70 (82)	130 (109)	20 (20)
	1,2-Dichloroethane	20	18.8	ug/L	94	13		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.4	ug/L	102	2		70 (77)	130 (113)	20 (20)
	Tetrachloroethene	20	19.2	ug/L	96	2		70 (67)	130 (123)	20 (20)
	Chlorobenzene	20	20.3	ug/L	102	2		70 (82)	130 (109)	20 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2236

Client: ENTACT

Analytical Method: SW8260D **Datafile :** VX046548.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VX0606WBS02	Vinyl chloride	20	18.5	ug/L	93			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.1	ug/L	96			70 (74)	130 (110)	
	2-Butanone	100	98.5	ug/L	99			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.1	ug/L	96			70 (77)	130 (113)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	Benzene	20	19.9	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.9	ug/L	100			70 (80)	130 (115)	
	Trichloroethene	20	18.3	ug/L	92			70 (77)	130 (113)	
	Tetrachloroethene	20	18.7	ug/L	94			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0609WBL01

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VN086890.D Lab Sample ID: VN0609WBL01

Date Analyzed: 06/09/2025 Time Analyzed: 09:33

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
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025
WC-A4-05A-G	Q2236-01	VN086897.D	06/09/2025
WC-A2-04-GRE	Q2236-05RE	VN086898.D	06/09/2025
WC-A2-05-G	Q2236-09	VN086899.D	06/09/2025
WC-A2-07-GRE	Q2236-17RE	VN086900.D	06/09/2025
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VX0606WBL02

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VX046547.D Lab Sample ID: VX0606WBL02

Date Analyzed: 06/07/2025 Time Analyzed: 01:17

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS AND MSD:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0606WBS02	VX0606WBS02	VX046548.D	06/07/2025
WC-A2-04-G	Q2236-05	VX046552.D	06/07/2025
WC-A2-06-G	Q2236-13	VX046554.D	06/07/2025
WC-A2-07-G	Q2236-17	VX046555.D	06/07/2025

COMMENTS:

Raw Data: **VN086861.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VN086861.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN086862.D	06/06/2025	12:44
VSTDICC005	VSTDICC005	VN086863.D	06/06/2025	13:17
VSTDICC020	VSTDICC020	VN086864.D	06/06/2025	13:40
VSTDICCC050	VSTDICCC050	VN086865.D	06/06/2025	14:03
VSTDICC100	VSTDICC100	VN086866.D	06/06/2025	14:26
VSTDICC150	VSTDICC150	VN086867.D	06/06/2025	14:49

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VN086887.D BFB Injection Date: 06/09/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:04

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	15.3
75	30.0 - 60.0% of mass 95	46.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.4 (0.5) 1
174	50.0 - 100.0% of mass 95	73.5
175	5.0 - 9.0% of mass 174	5.7 (7.8) 1
176	95.0 - 101.0% of mass 174	70.4 (95.8) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086888.D	06/09/2025	08:37
VN0609WBL01	VN0609WBL01	VN086890.D	06/09/2025	09:33
VN0609WBS01	VN0609WBS01	VN086893.D	06/09/2025	10:50
WC-A4-05A-G	Q2236-01	VN086897.D	06/09/2025	12:16
WC-A2-04-GRE	Q2236-05RE	VN086898.D	06/09/2025	12:38
WC-A2-05-G	Q2236-09	VN086899.D	06/09/2025	12:59
WC-A2-07-GRE	Q2236-17RE	VN086900.D	06/09/2025	13:21
VN0609WBSD01	VN0609WBSD01	VN086902.D	06/09/2025	14:04

Raw Data: **VX046516.D**

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Fax : 908 789 8922

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VX046516.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 08:47

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21
75	30.0 - 60.0% of mass 95	56.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.6 (1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	62.7 (96.1) 1
177	5.0 - 9.0% of mass 176	4.2 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX046518.D	06/06/2025	09:42
VSTDICC020	VSTDICC020	VX046519.D	06/06/2025	10:18
VSTDICCC050	VSTDICCC050	VX046520.D	06/06/2025	10:40
VSTDICC100	VSTDICC100	VX046521.D	06/06/2025	11:02
VSTDICC150	VSTDICC150	VX046522.D	06/06/2025	11:25
VSTDICC001	VSTDICC001	VX046524.D	06/06/2025	12:57

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VX046545.D BFB Injection Date: 06/06/2025

Instrument ID: MSVOA_X BFB Injection Time: 23:59

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.4
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.2) 1
174	50.0 - 100.0% of mass 95	65.6
175	5.0 - 9.0% of mass 174	5 (7.7) 1
176	95.0 - 101.0% of mass 174	65.3 (99.5) 1
177	5.0 - 9.0% of mass 176	4.1 (6.3) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046546.D	06/07/2025	00:34
VX0606WBL02	VX0606WBL02	VX046547.D	06/07/2025	01:17
VX0606WBS02	VX0606WBS02	VX046548.D	06/07/2025	02:00
WC-A2-04-G	Q2236-05	VX046552.D	06/07/2025	03:26
WC-A2-06-G	Q2236-13	VX046554.D	06/07/2025	04:09
WC-A2-07-G	Q2236-17	VX046555.D	06/07/2025	04:31

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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	261450	8.23	451735	9.11	380922	11.87
UPPER LIMIT	522900	8.729	903470	9.606	761844	12.365
LOWER LIMIT	130725	7.729	225868	8.606	190461	11.365
EPA SAMPLE NO.						
WC-A4-05A-G	386446	8.23	679474	9.11	590890	11.87
WC-A2-04-GRE	357416	8.23	624769	9.11	547693	11.87
WC-A2-05-G	396308	8.23	680731	9.11	597431	11.87
WC-A2-07-GRE	440181	8.24	778135	9.11	670848	11.87
VN0609WBL01	390256	8.23	684606	9.11	591728	11.87
VN0609WBS01	266986	8.23	481053	9.11	422488	11.87
VN0609WBSD01	261604	8.23	462540	9.11	392287	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VN086888.D Date Analyzed: 06/09/2025

Instrument ID: MSVOA_N Time Analyzed: 08:37

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

	IS4 AREA #	RT #				
12 HOUR STD	178512	13.788				
UPPER LIMIT	357024	14.288				
LOWER LIMIT	89256	13.288				
EPA SAMPLE NO.						
WC-A4-05A-G	281341	13.79				
WC-A2-04-GRE	258175	13.79				
WC-A2-05-G	290954	13.79				
WC-A2-07-GRE	315094	13.79				
VN0609WBL01	288224	13.79				
VN0609WBS01	202169	13.79				
VN0609WBSD01	182953	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VX046546.D Date Analyzed: 06/07/2025

Instrument ID: MSVOA_X Time Analyzed: 00:34

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	74224	5.56	135585	6.76	121168	10.06
UPPER LIMIT	148448	6.062	271170	7.263	242336	10.555
LOWER LIMIT	37112	5.062	67792.5	6.263	60584	9.555
EPA SAMPLE NO.						
WC-A2-04-G	117002	5.57	224778	6.78	236932	10.06
WC-A2-06-G	110472	5.57	211587	6.78	221449	10.06
WC-A2-07-G	119993	5.57	228870	6.78	241518	10.06
VX0606WBL02	95381	5.56	186443	6.76	185656	10.06
VX0606WBS02	86561	5.57	153201	6.77	137797	10.06

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG NO.: Q2236

Lab File ID: VX046546.D Date Analyzed: 06/07/2025

Instrument ID: MSVOA_X Time Analyzed: 00:34

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #		RT #				
12 HOUR STD	59451		12.018				
UPPER LIMIT	118902		12.518				
LOWER LIMIT	29725.5		11.518				
EPA SAMPLE NO.							
WC-A2-04-G	118237		12.02				
WC-A2-06-G	117146		12.02				
WC-A2-07-G	121477	*	12.02				
VX0606WBL02	90343		12.02				
VX0606WBS02	70682		12.02				

IS4 = 1,4-Dichlorobenzene-d4

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

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

SAMPLE DATA

Raw Data: **VN086897.D**

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Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A4-05A-G	SDG No.:	Q2236
Lab Sample ID:	Q2236-01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086897.D	1		06/09/25 12:16	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0031	J	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.025		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.3		70 (74) - 130 (125)	87%	SPK: 50
1868-53-7	Dibromofluoromethane	42.8		70 (75) - 130 (124)	86%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	386000	8.23			
540-36-3	1,4-Difluorobenzene	679000	9.106			
3114-55-4	Chlorobenzene-d5	591000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	281000	13.788			

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\VN060925\
Data File : VN086897.D
Acq On : 09 Jun 2025 12:16
Operator : JC\MD
Sample : Q2236-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Quant Time: Jun 10 03:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

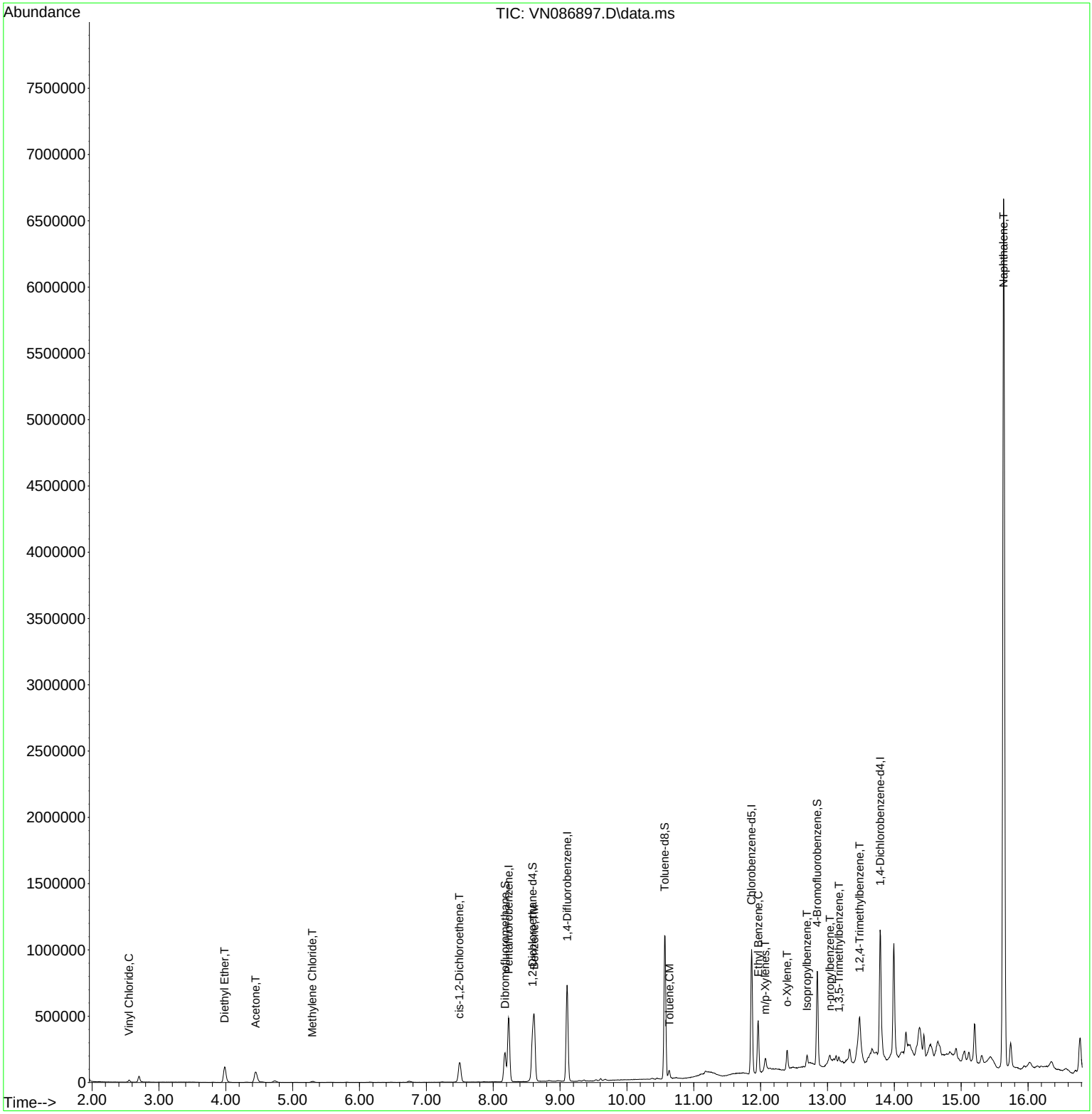
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	386446	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	679474	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	590890	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	281341	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	224118	43.316	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.640%		
35) Dibromofluoromethane	8.177	113	172476	42.833	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	85.660%		
50) Toluene-d8	10.565	98	818215	51.329	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.660%		
62) 4-Bromofluorobenzene	12.847	95	289823	48.936	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.880%		
Target Compounds						Qvalue
4) Vinyl Chloride	2.553	62	15847	3.088	ug/l	98
8) Diethyl Ether	3.983	74	80769	27.644	ug/l	93
16) Acetone	4.447	43	158606	57.804	ug/l	99
20) Methylene Chloride	5.294	84	6626	1.290	ug/l #	92
27) cis-1,2-Dichloroethene	7.494	96	93467	16.331	ug/l	89
40) Benzene	8.612	78	496040	25.281	ug/l	100
52) Toluene	10.635	92	28471	2.374	ug/l	95
67) Ethyl Benzene	11.965	91	316904	14.117	ug/l	100
68) m/p-Xylenes	12.070	106	32499	3.782	ug/l	99
69) o-Xylene	12.394	106	45351	5.511	ug/l	99
73) Isopropylbenzene	12.694	105	62423	3.046	ug/l	99
78) n-propylbenzene	13.035	91	29648	1.190	ug/l	94
80) 1,3,5-Trimethylbenzene	13.170	105	17859	1.055	ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	94451	5.566	ug/l	97
95) Naphthalene	15.635	128	6538308	309.607	ug/l	100

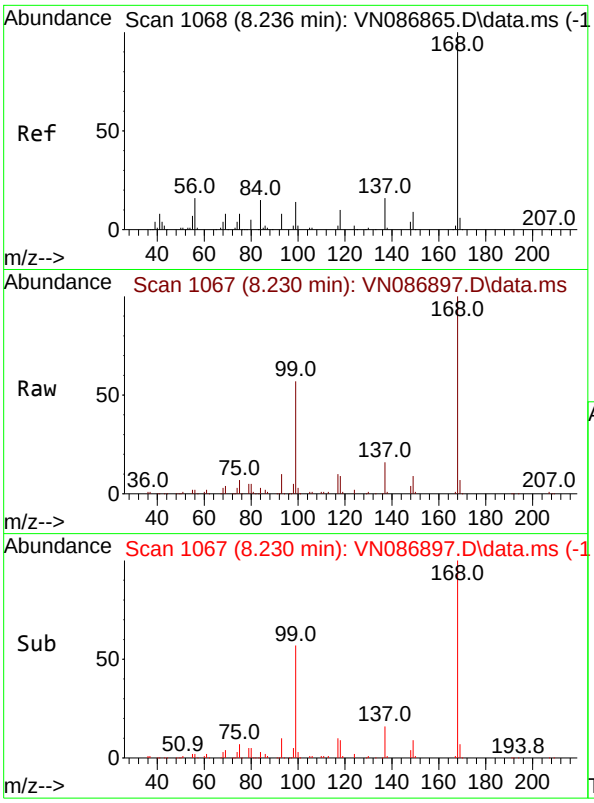
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086897.D
Acq On : 09 Jun 2025 12:16
Operator : JC\MD
Sample : Q2236-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Quant Time: Jun 10 03:29:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



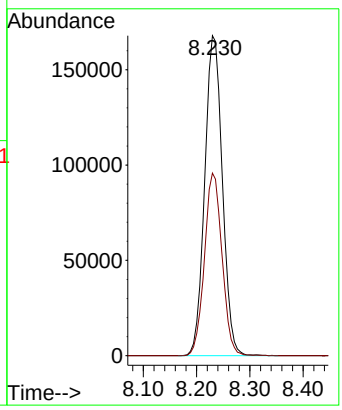


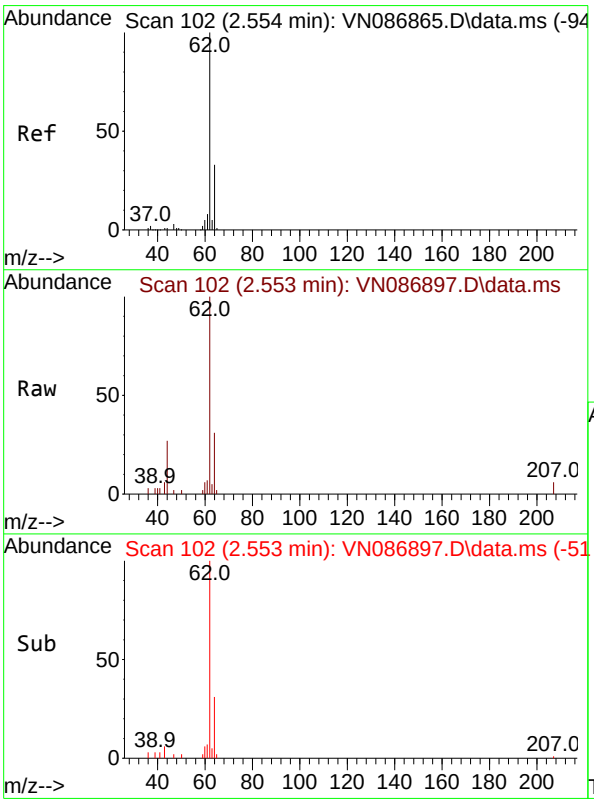
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:168 Resp: 386446

Ion	Ratio	Lower	Upper
168	100		
99	57.0	49.1	73.7

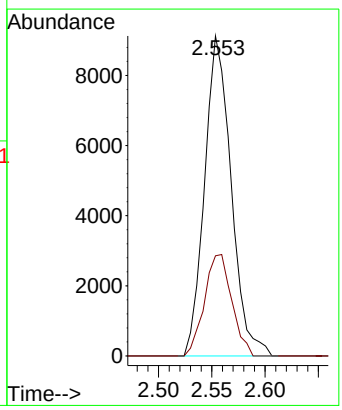


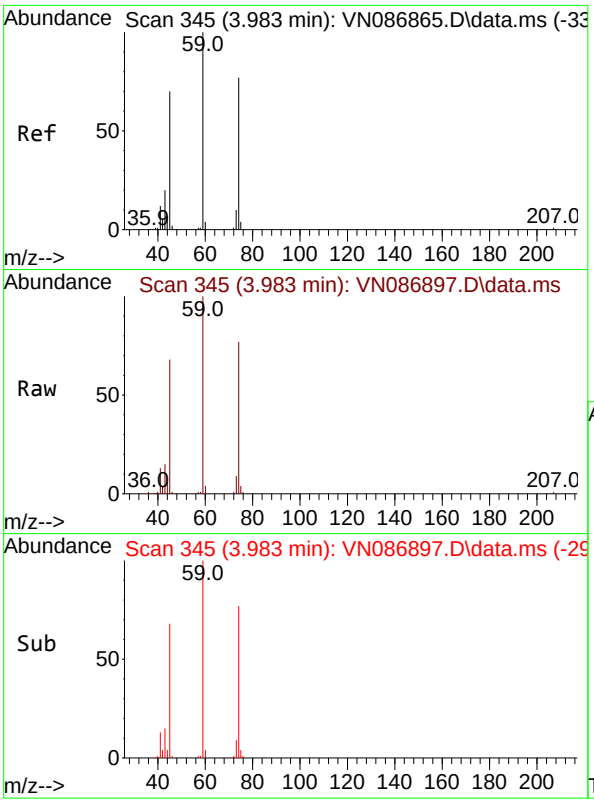


#4
Vinyl Chloride
Concen: 3.088 ug/l
RT: 2.553 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 62 Resp: 15847

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.0	39.0



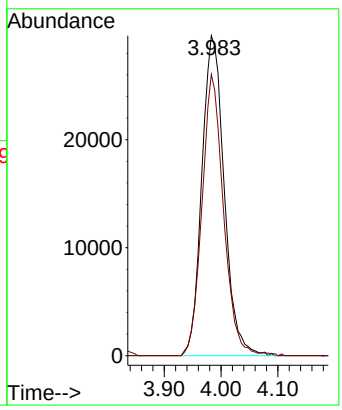


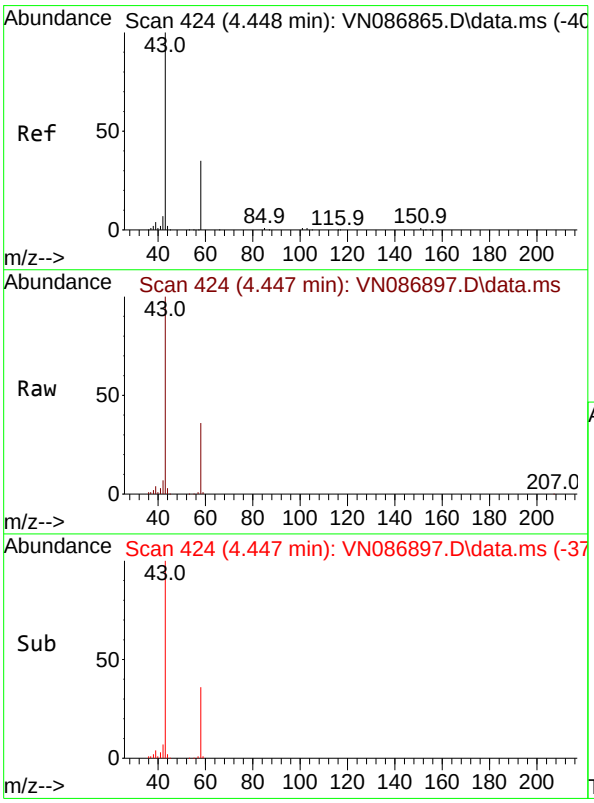
#8
Diethyl Ether
Concen: 27.644 ug/l
RT: 3.983 min Scan# 34
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 74 Resp: 80769

Ion	Ratio	Lower	Upper
74	100		
45	84.8	45.5	136.5

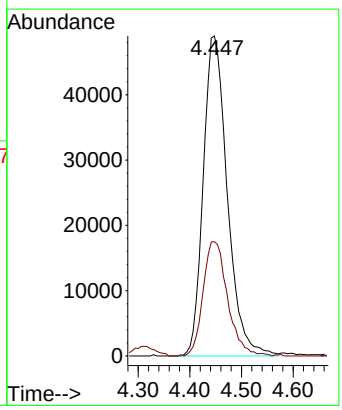


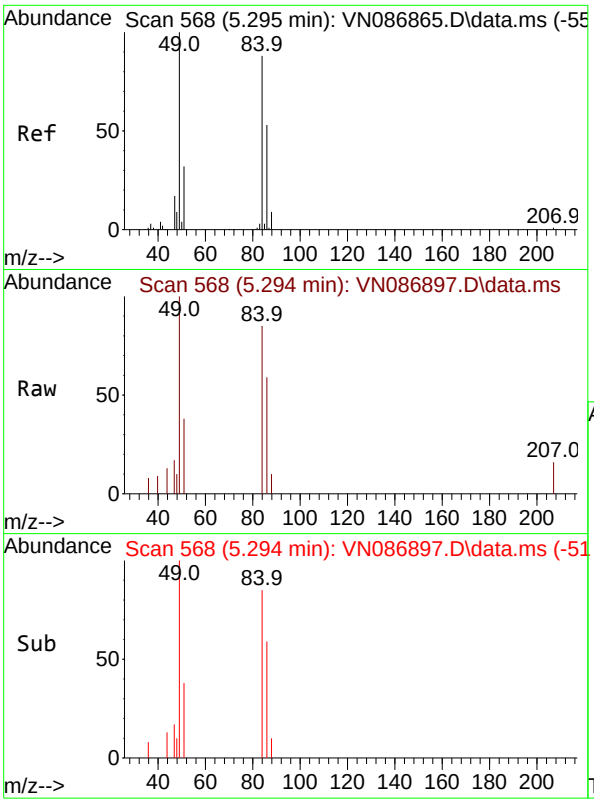


#16
Acetone
Concen: 57.804 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 43 Resp: 158606

Ion	Ratio	Lower	Upper
43	100		
58	35.7	28.0	42.0



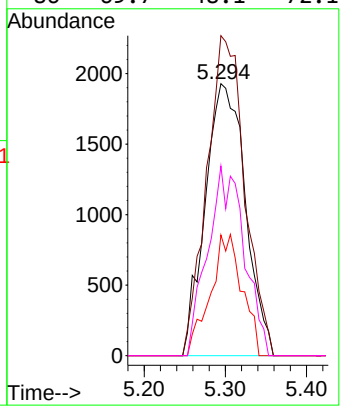


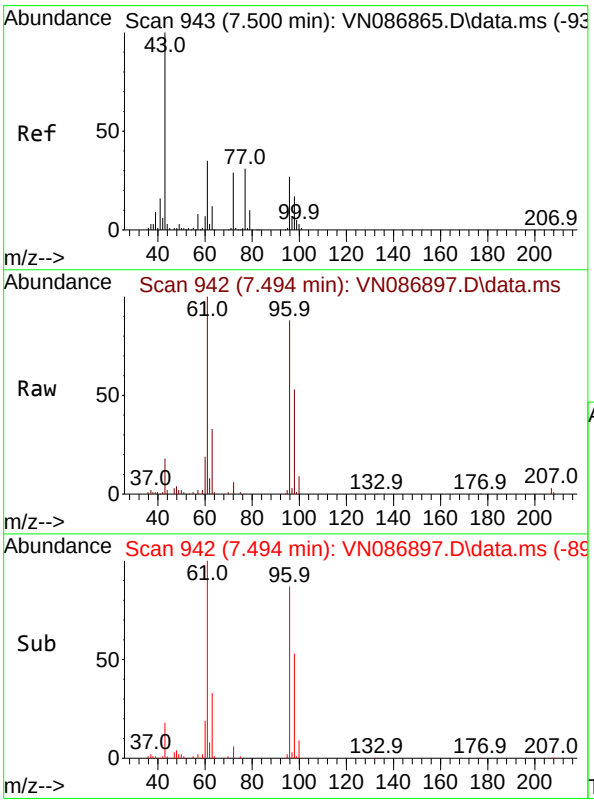
#20
Methylene Chloride
Concen: 1.290 ug/l
RT: 5.294 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 84 Resp: 6626

Ion	Ratio	Lower	Upper
84	100		
49	117.6	90.5	135.7
51	44.3	28.5	42.7#
86	69.7	48.1	72.1

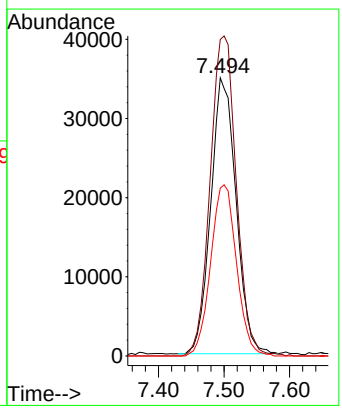


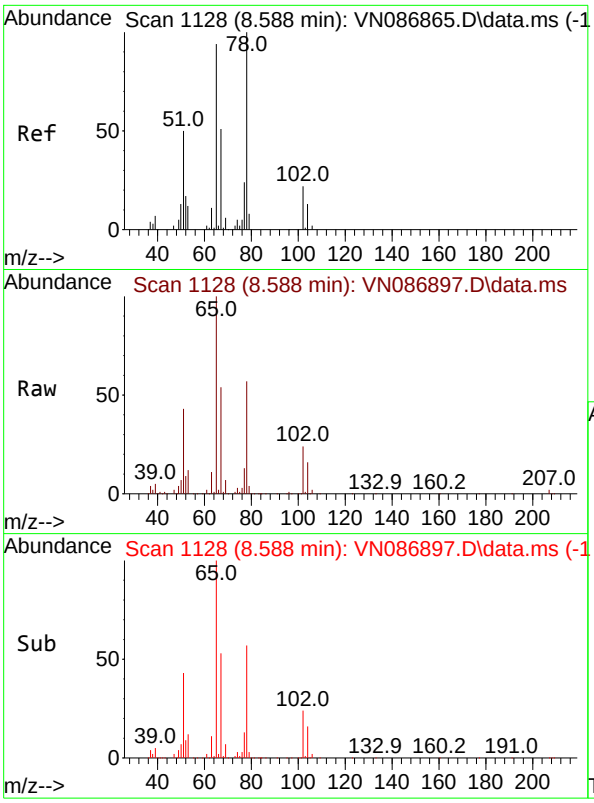


#27
cis-1,2-Dichloroethene
Concen: 16.331 ug/l
RT: 7.494 min Scan# 942
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 96 Resp: 93467

Ion	Ratio	Lower	Upper
96	100		
61	119.9	0.0	278.0
98	63.3	0.0	128.2



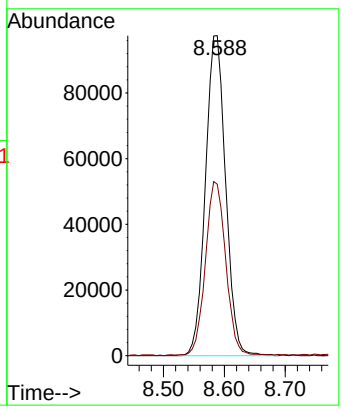


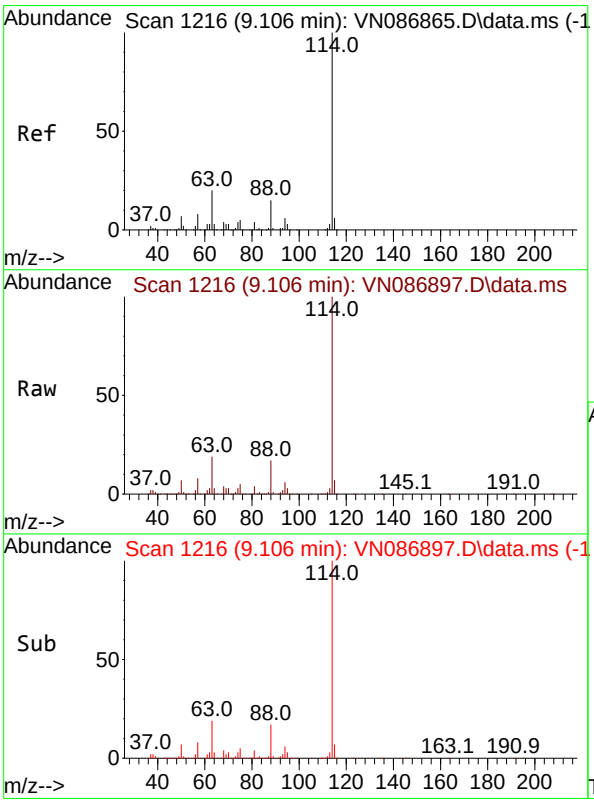
#33
1,2-Dichloroethane-d4
Concen: 43.316 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 65 Resp: 224118

Ion	Ratio	Lower	Upper
65	100		
67	54.3	0.0	105.6

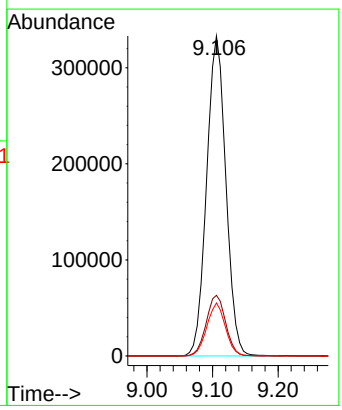


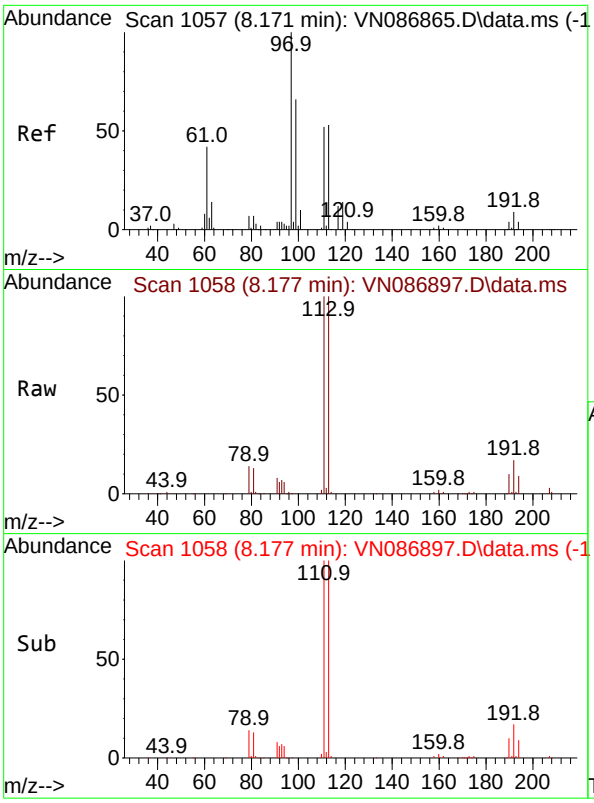


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:114 Resp: 679474

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	16.5	0.0	30.2



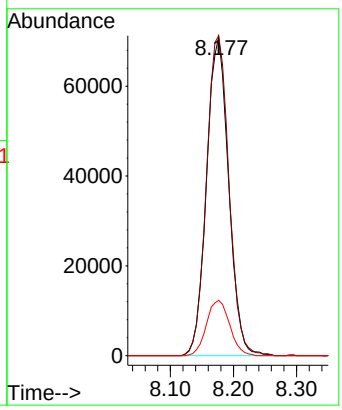


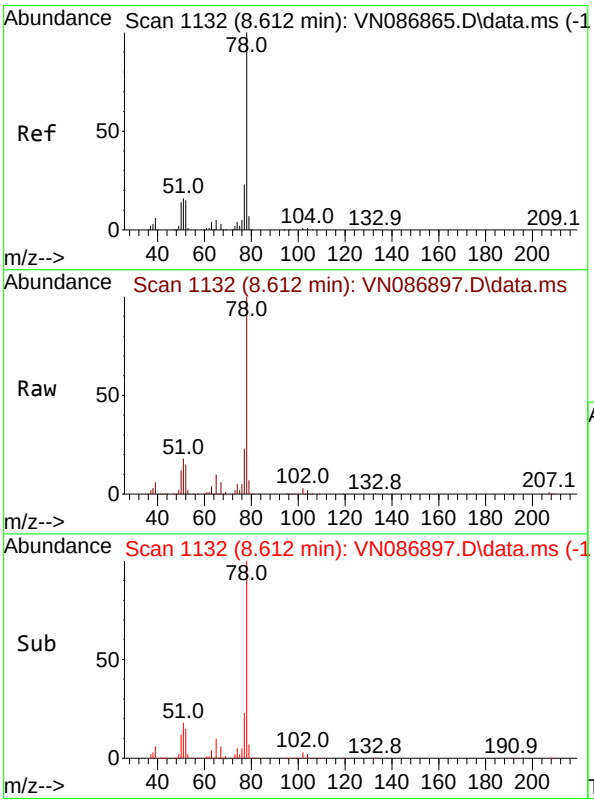
#35
Dibromofluoromethane
Concen: 42.833 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:113 Resp: 172476

Ion	Ratio	Lower	Upper
113	100		
111	102.3	84.2	126.2
192	18.3	14.2	21.4

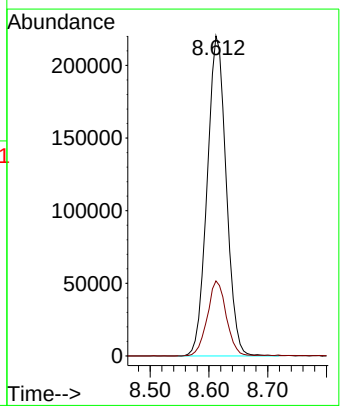


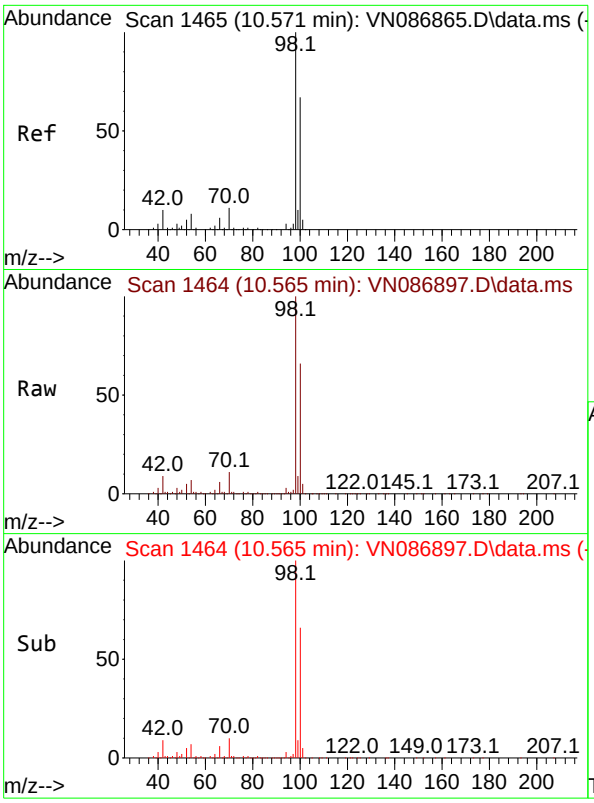


#40
Benzene
Concen: 25.281 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 78 Resp: 496040

Ion	Ratio	Lower	Upper
78	100		
77	23.4	18.7	28.1



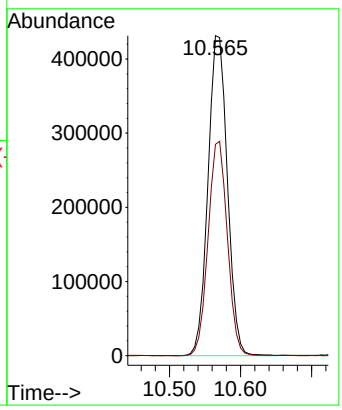


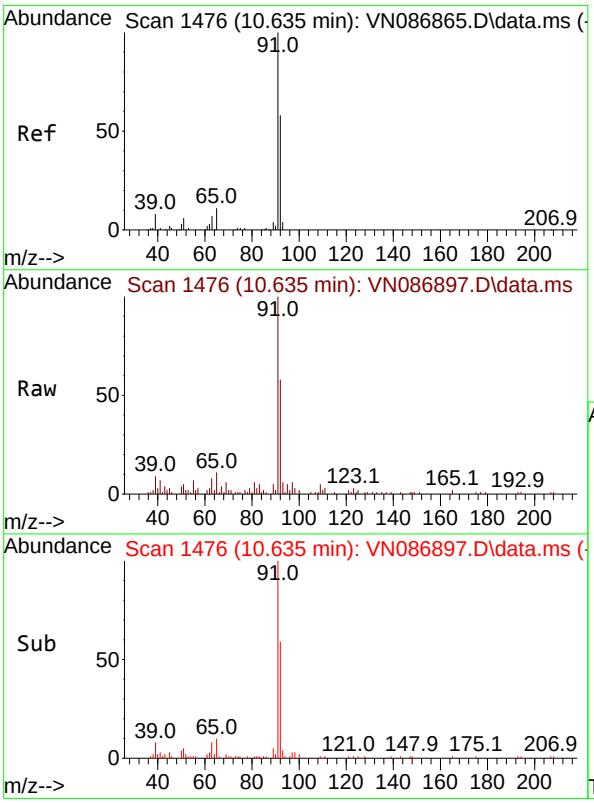
#50
Toluene-d8
Concen: 51.329 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 98 Resp: 818215

Ion	Ratio	Lower	Upper
98	100		
100	66.6	53.4	80.0

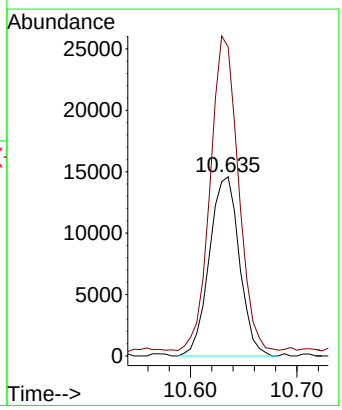


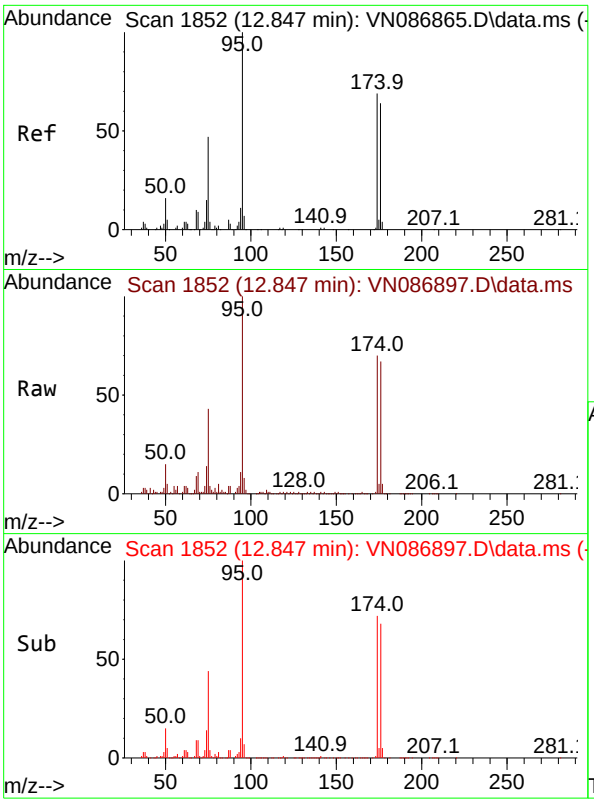


#52
Toluene
Concen: 2.374 ug/l
RT: 10.635 min Scan# 1476
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 92 Resp: 28471

Ion	Ratio	Lower	Upper
92	100		
91	163.8	136.5	204.7



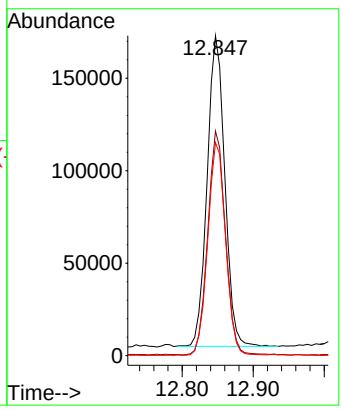


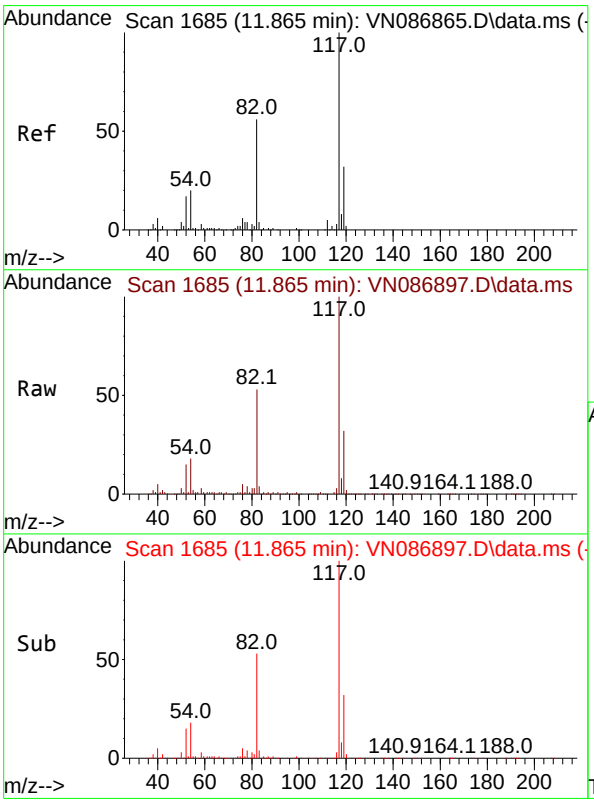
#62
4-Bromofluorobenzene
Concen: 48.936 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 95 Resp: 289823

Ion	Ratio	Lower	Upper
95	100		
174	72.8	0.0	141.8
176	69.1	0.0	132.6

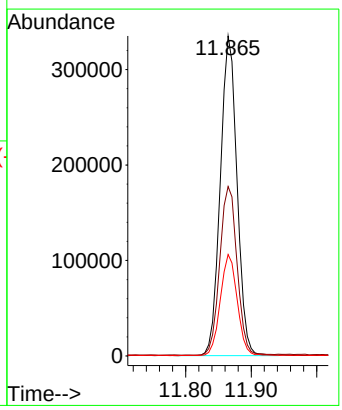


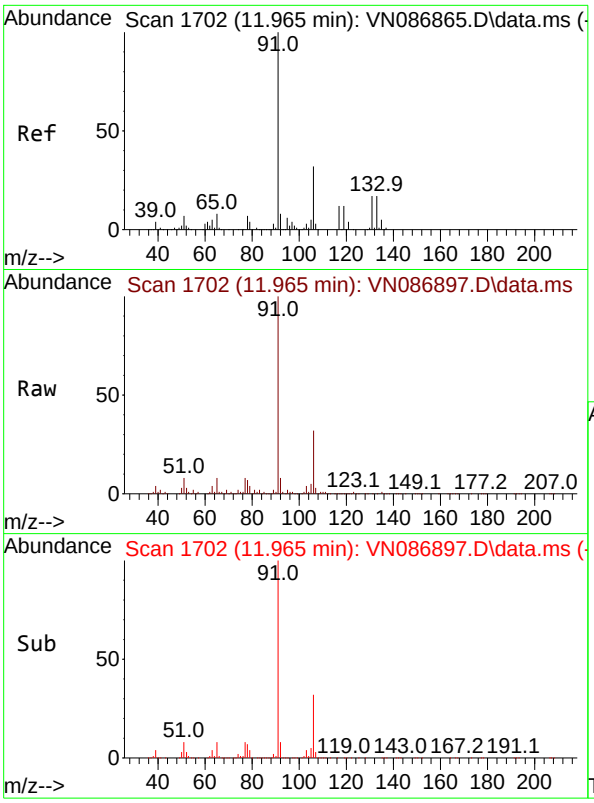


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:117 Resp: 590890

Ion	Ratio	Lower	Upper
117	100		
82	52.7	44.6	67.0
119	31.6	25.5	38.3



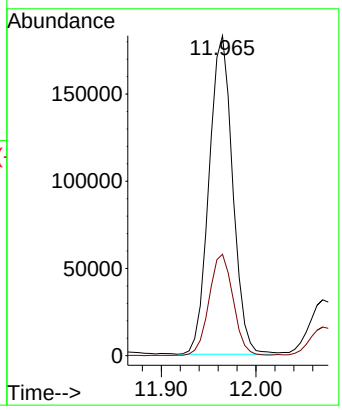


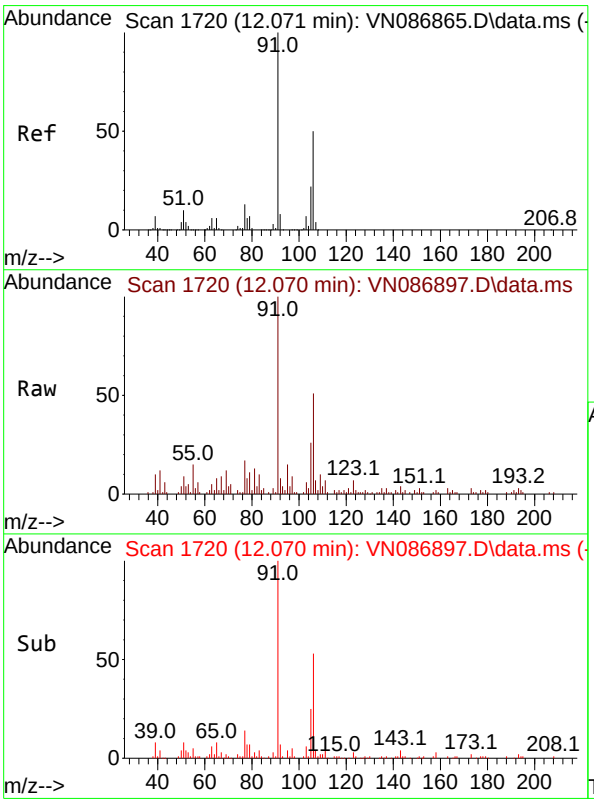
#67
Ethyl Benzene
Concen: 14.117 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion: 91 Resp: 316904

Ion	Ratio	Lower	Upper
91	100		
106	31.7	25.4	38.2

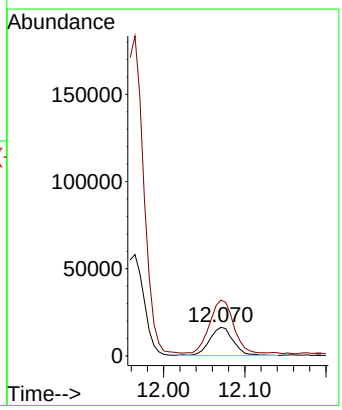


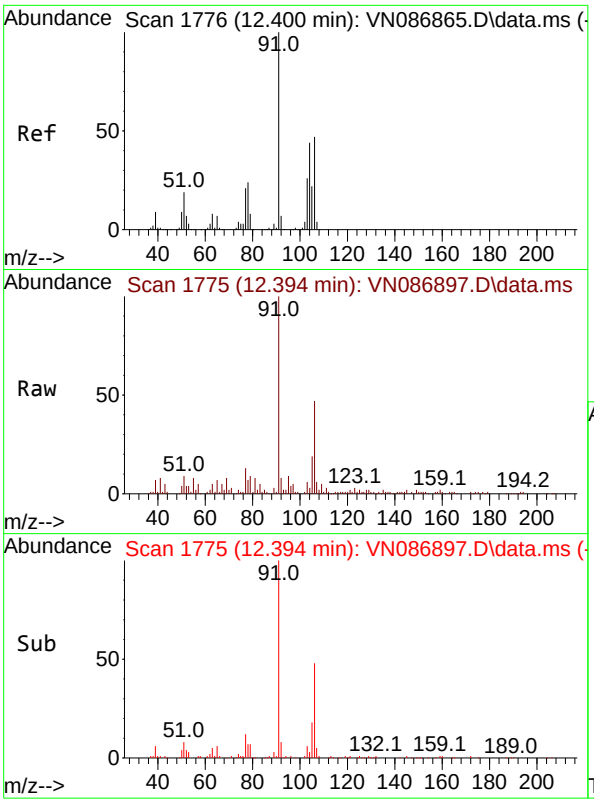


#68
m/p-Xylenes
Concen: 3.782 ug/l
RT: 12.070 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:106 Resp: 32499

Ion	Ratio	Lower	Upper
106	100		
91	201.2	159.4	239.0



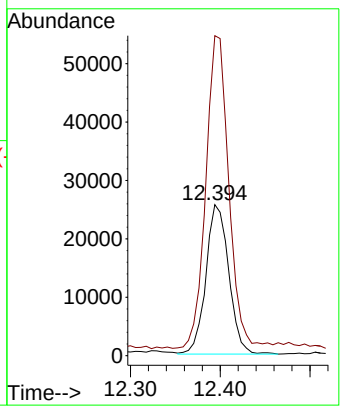


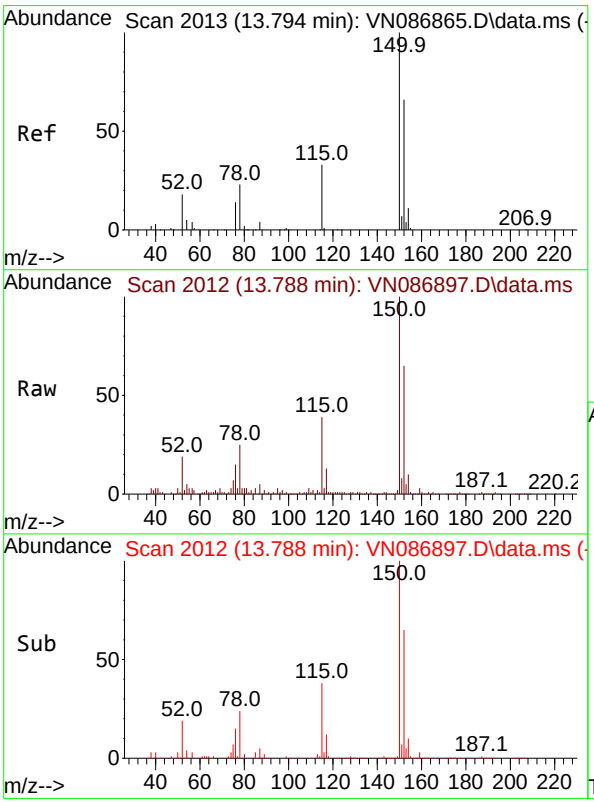
#69
o-Xylene
Concen: 5.511 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:106 Resp: 45351

Ion	Ratio	Lower	Upper
106	100		
91	210.0	106.1	318.1

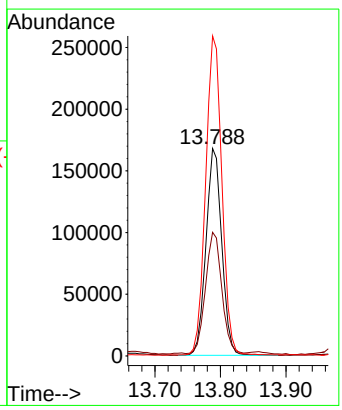


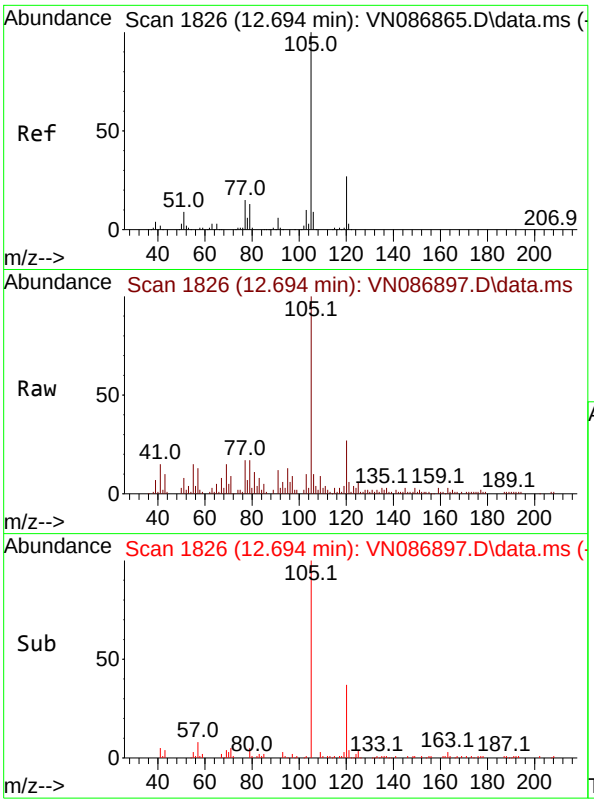


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:152 Resp: 281341

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	157.8	0.0	345.0



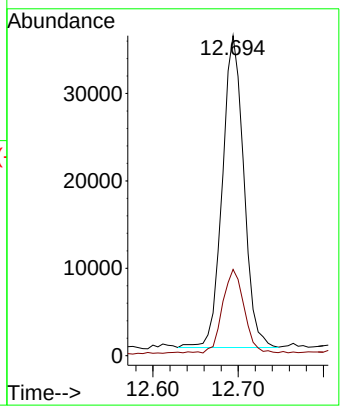


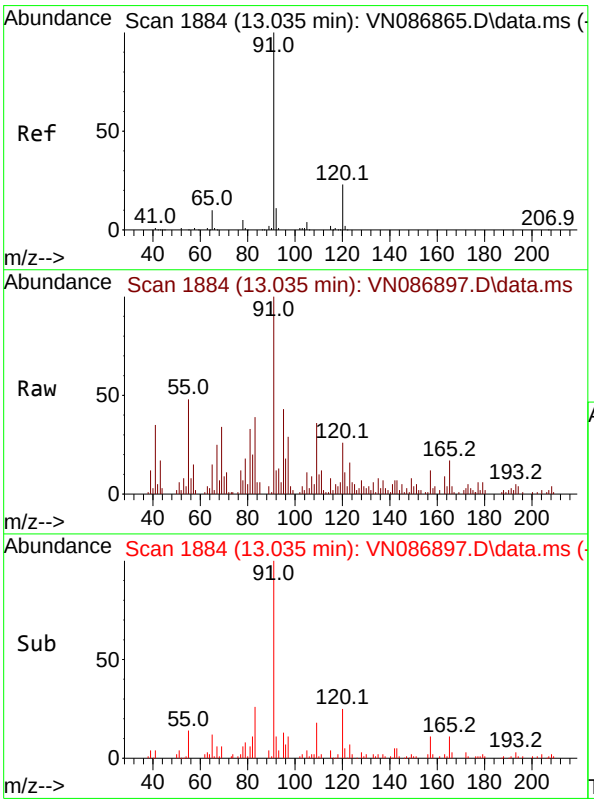
#73
Isopropylbenzene
Concen: 3.046 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:105 Resp: 62423

Ion	Ratio	Lower	Upper
105	100		
120	26.6	13.5	40.4

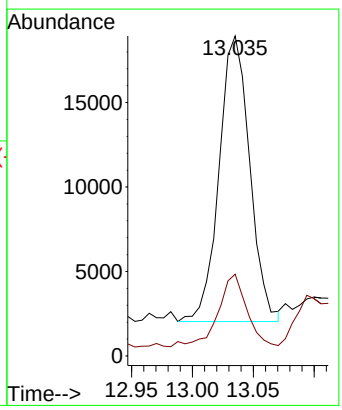


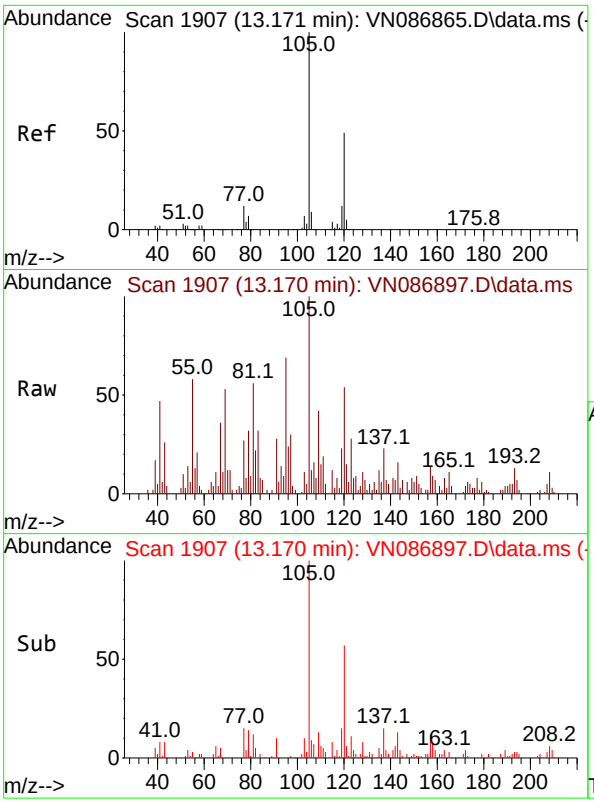


#78
n-propylbenzene
Concen: 1.190 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion: 91 Resp: 29648

Ion	Ratio	Lower	Upper
91	100		
120	25.8	11.4	34.2



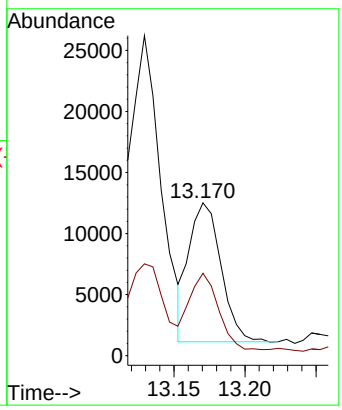


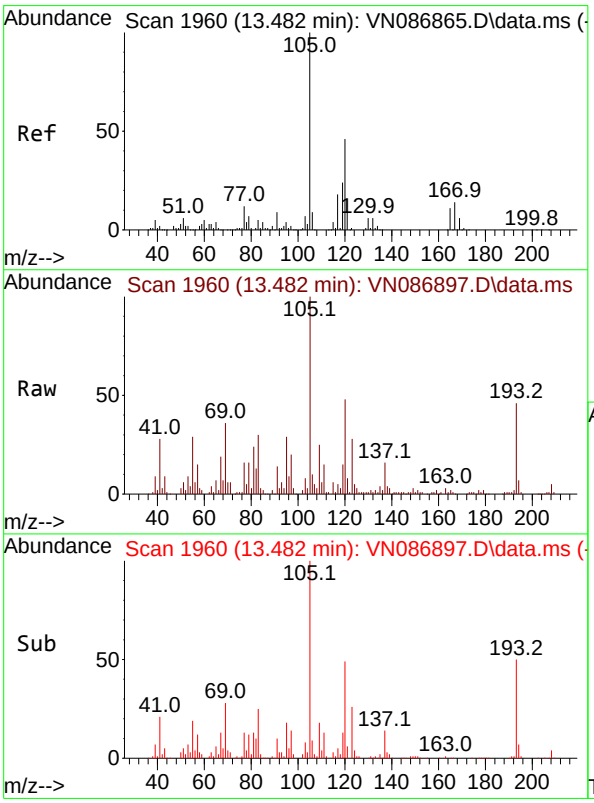
#80
1,3,5-Trimethylbenzene
Concen: 1.055 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:105 Resp: 17859

Ion	Ratio	Lower	Upper
105	100		
120	49.6	24.9	74.6

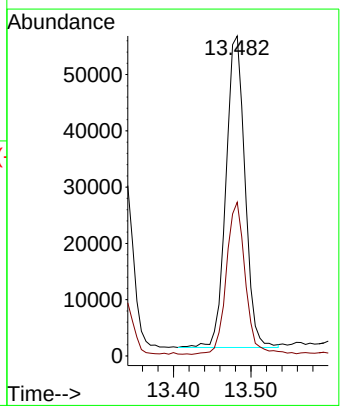


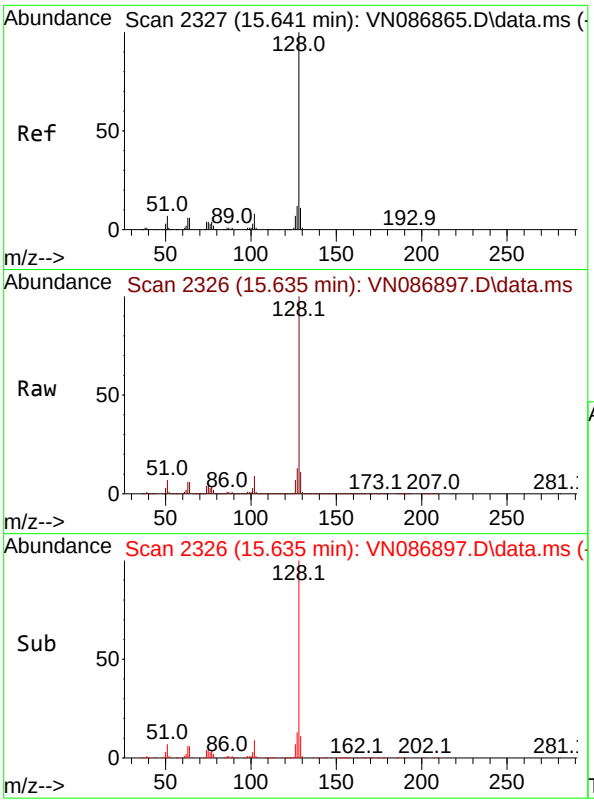


#84
1,2,4-Trimethylbenzene
Concen: 5.566 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Tgt Ion:105 Resp: 94451

Ion	Ratio	Lower	Upper
105	100		
120	48.7	23.2	69.6



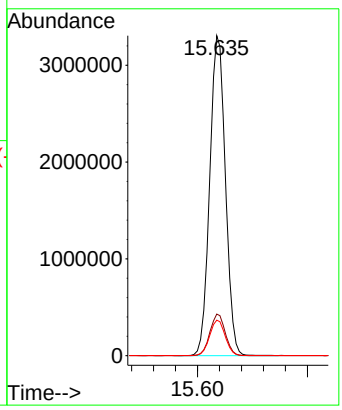


#95
Naphthalene
Concen: 309.607 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086897.D
Acq: 09 Jun 2025 12:16

Instrument :
MSVOA_N
ClientSampleId :
WC-A4-05A-G

Tgt Ion:128 Resp: 6538308

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.0	8.8	13.2



Raw Data: **VX046552.D**

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Fax : 908 789 8922

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-04-G	SDG No.:	Q2236
Lab Sample ID:	Q2236-05	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046552.D	1		06/07/25 03:26	VX060625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.11		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.4		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	33.8	*	70 (75) - 130 (124)	68%	SPK: 50
2037-26-5	Toluene-d8	53.0		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		70 (77) - 130 (121)	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	117000	5.568			
540-36-3	1,4-Difluorobenzene	225000	6.775			
3114-55-4	Chlorobenzene-d5	237000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	118000	12.018			

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_X\Data\VX060625\
Data File : VX046552.D
Acq On : 07 Jun 2025 03:26
Operator : JC/MD
Sample : Q2236-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Quant Time: Jun 07 04:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

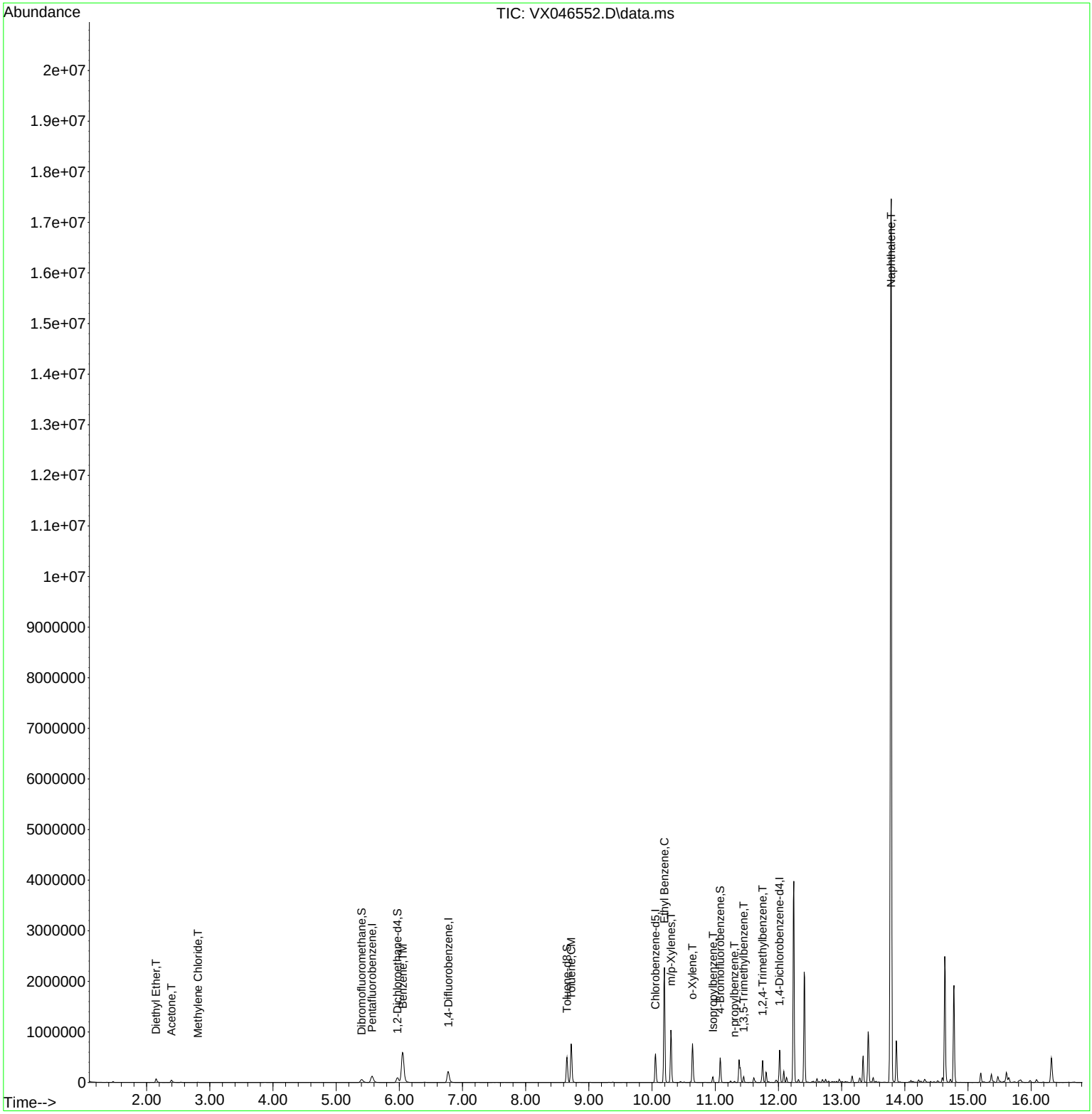
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	117002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	224778	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	236932	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	118237	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	102915	49.441	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.880%			
35) Dibromofluoromethane	5.403	113	55878	33.804	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 67.600%#			
50) Toluene-d8	8.653	98	289012	53.032	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.060%			
62) 4-Bromofluorobenzene	11.079	95	129982	57.646	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 115.300%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	28126	32.644	ug/l	93
16) Acetone	2.392	43	59048	75.504	ug/l	93
20) Methylene Chloride	2.812	84	3113	1.864	ug/l #	83
40) Benzene	6.056	78	745179	112.104	ug/l	99
52) Toluene	8.720	92	283738	69.480	ug/l	99
67) Ethyl Benzene	10.195	91	1287527	132.353	ug/l	99
68) m/p-Xylenes	10.299	106	218707	61.977	ug/l	100
69) o-Xylene	10.640	106	148524	43.514	ug/l	97
73) Isopropylbenzene	10.963	105	55926	6.017	ug/l	96
78) n-propylbenzene	11.305	91	13434	1.194	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	51037	6.590	ug/l	99
84) 1,2,4-Trimethylbenzene	11.750	105	179132	22.862	ug/l	99
95) Naphthalene	13.786	128	11041907	1262.244	ug/l	96

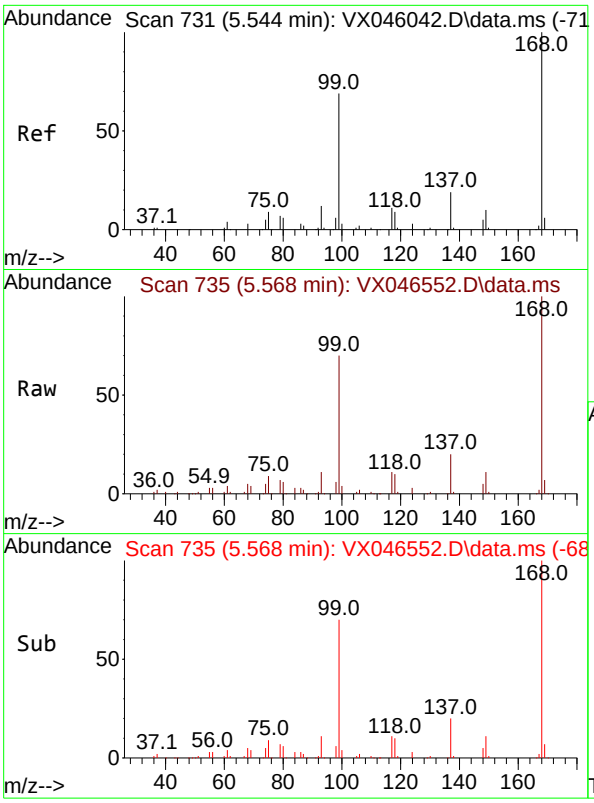
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046552.D
Acq On : 07 Jun 2025 03:26
Operator : JC/MD
Sample : Q2236-05
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 41 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Quant Time: Jun 07 04:29:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



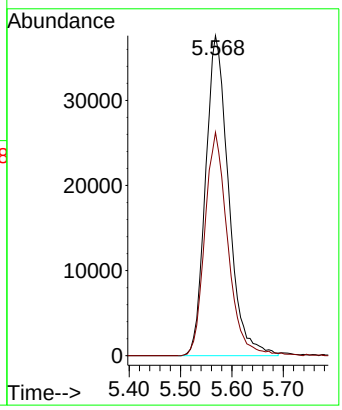


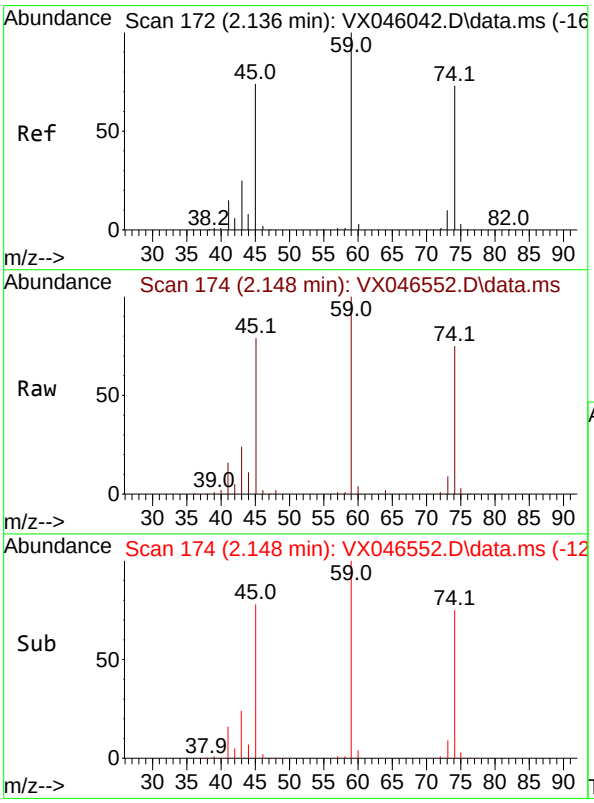
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:168 Resp: 117002

Ion	Ratio	Lower	Upper
168	100		
99	69.8	54.9	82.3

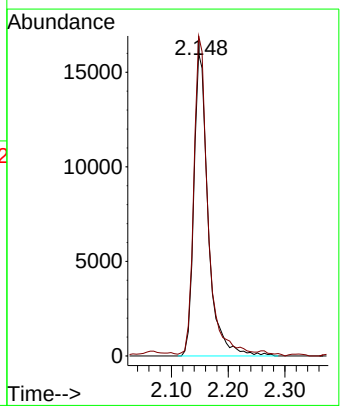


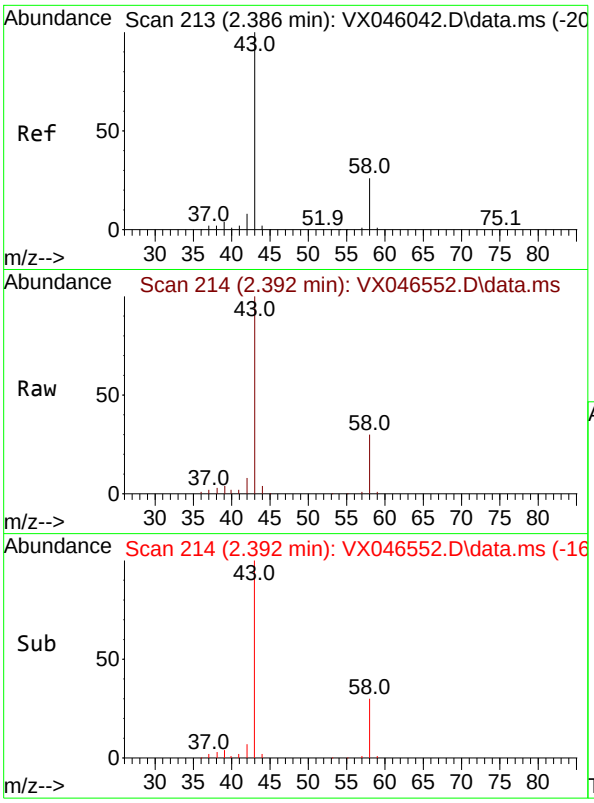


#8
Diethyl Ether
Concen: 32.644 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion: 74 Resp: 28126

Ion	Ratio	Lower	Upper
74	100		
45	102.7	54.9	164.8



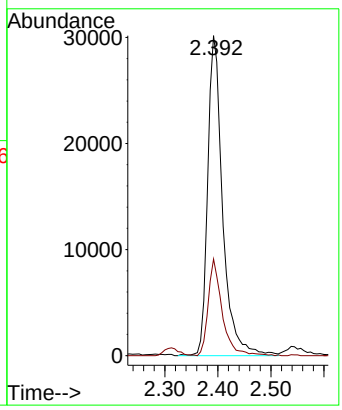


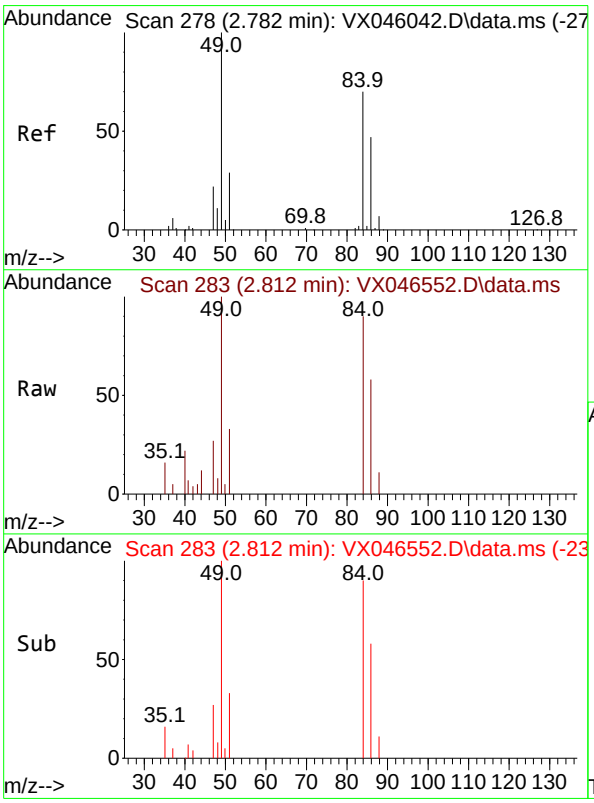
#16
Acetone
Concen: 75.504 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion: 43 Resp: 59048

Ion	Ratio	Lower	Upper
43	100		
58	30.0	21.2	31.8

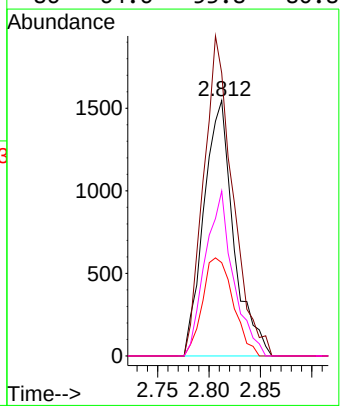


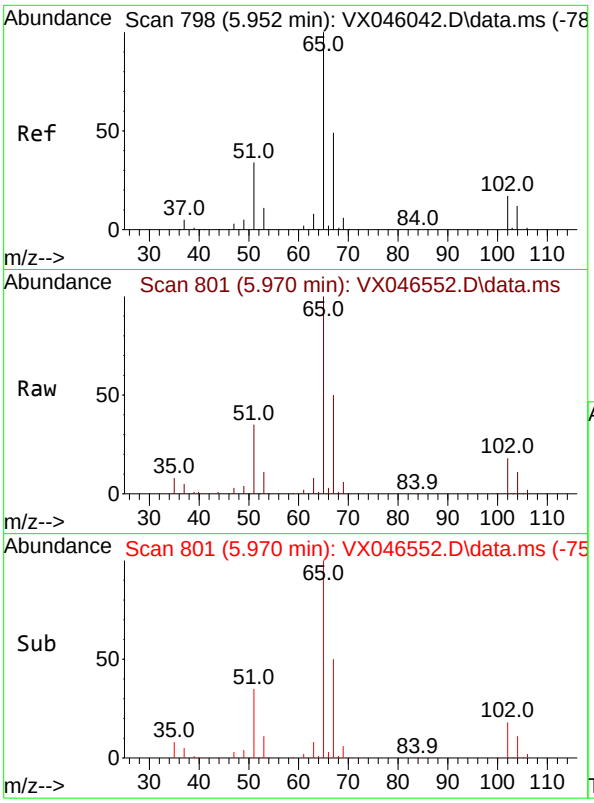


#20
Methylene Chloride
Concen: 1.864 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion: 84 Resp: 3113

Ion	Ratio	Lower	Upper
84	100		
49	110.7	113.9	170.9#
51	36.5	33.5	50.3
86	64.6	53.8	80.8



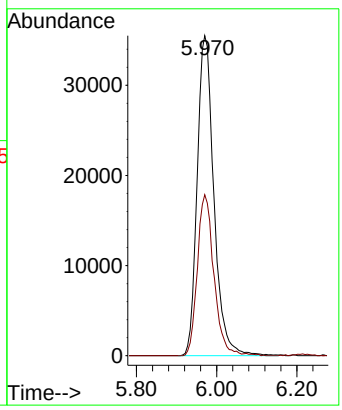


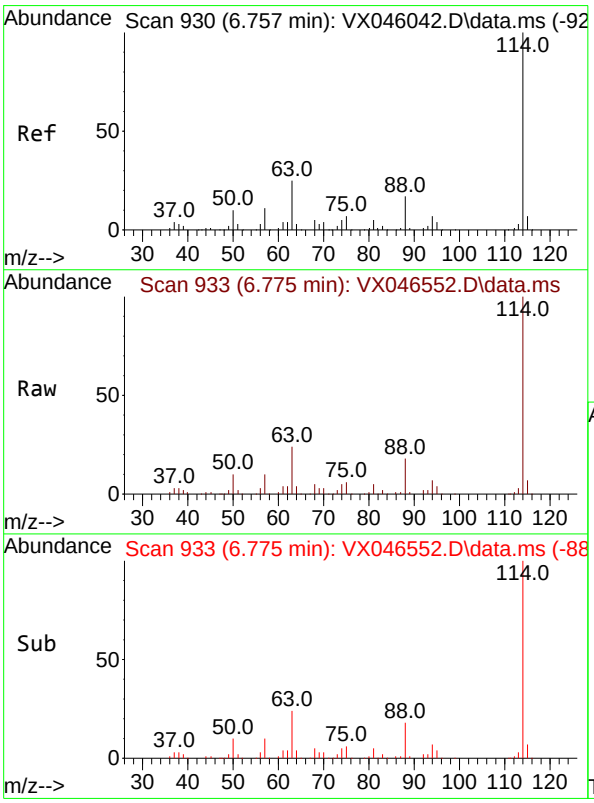
#33
1,2-Dichloroethane-d4
Concen: 49.441 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion: 65 Resp: 102915

Ion	Ratio	Lower	Upper
65	100		
67	49.9	0.0	99.0

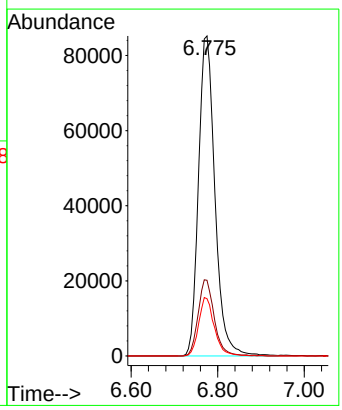


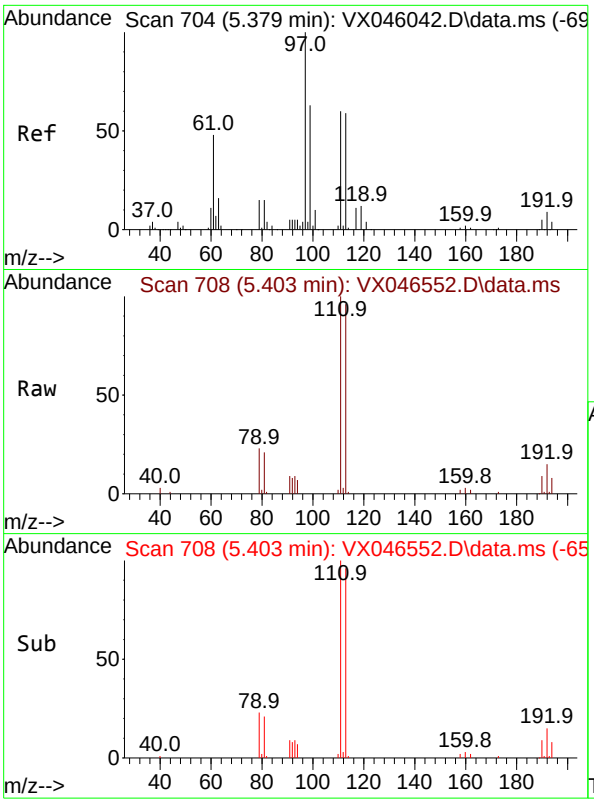


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion:114 Resp: 224778

Ion	Ratio	Lower	Upper
114	100		
63	23.7	0.0	49.2
88	17.9	0.0	33.6



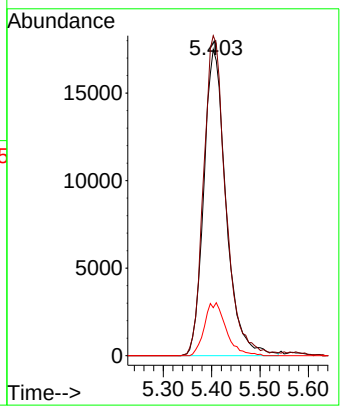


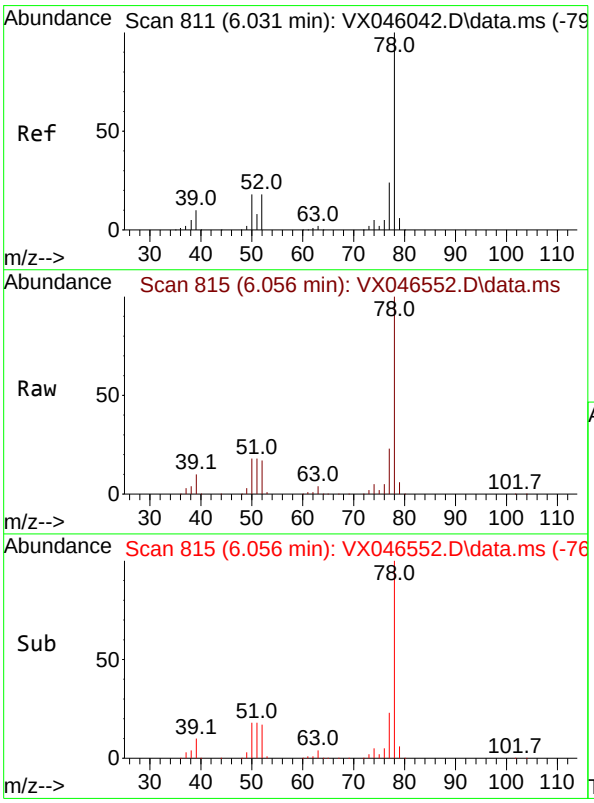
#35
Dibromofluoromethane
Concen: 33.804 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:113 Resp: 55878

Ion	Ratio	Lower	Upper
113	100		
111	104.2	83.1	124.7
192	17.0	13.3	19.9

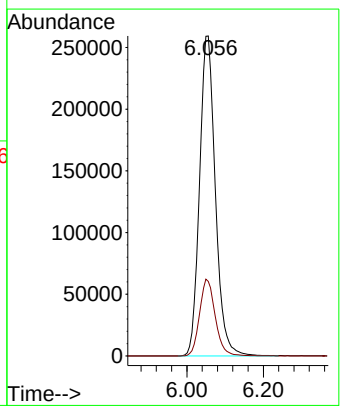


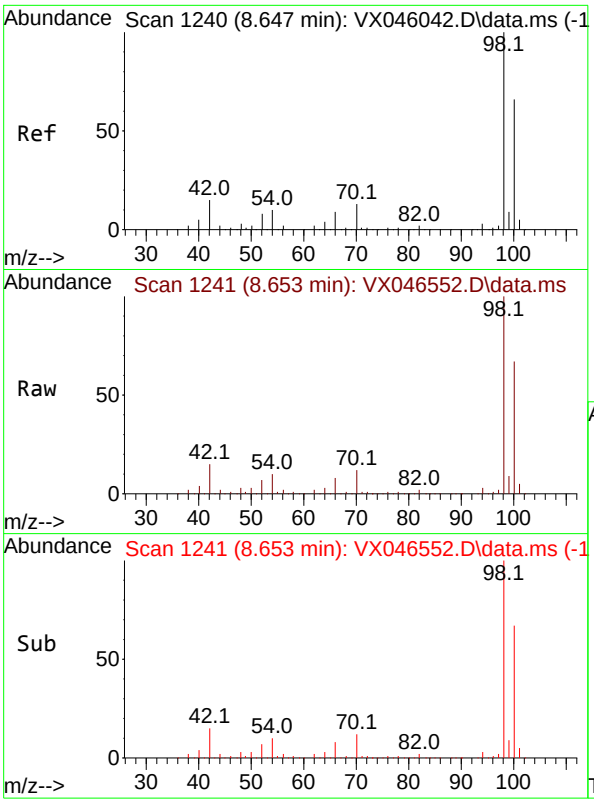


#40
Benzene
Concen: 112.104 ug/l
RT: 6.056 min Scan# 815
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion: 78 Resp: 745179

Ion	Ratio	Lower	Upper
78	100		
77	23.3	19.0	28.4



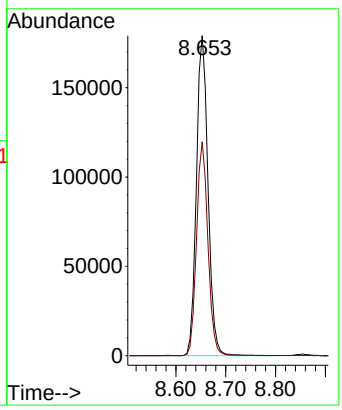


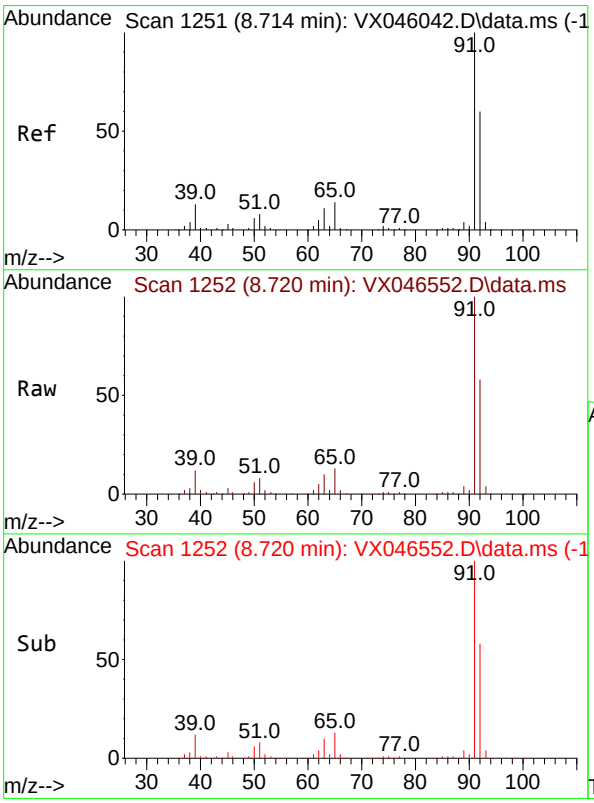
#50
Toluene-d8
Concen: 53.032 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion: 98 Resp: 289012

Ion	Ratio	Lower	Upper
98	100		
100	65.7	53.5	80.3

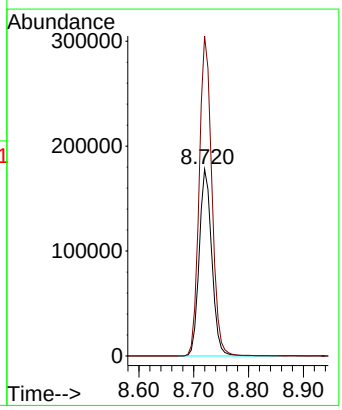


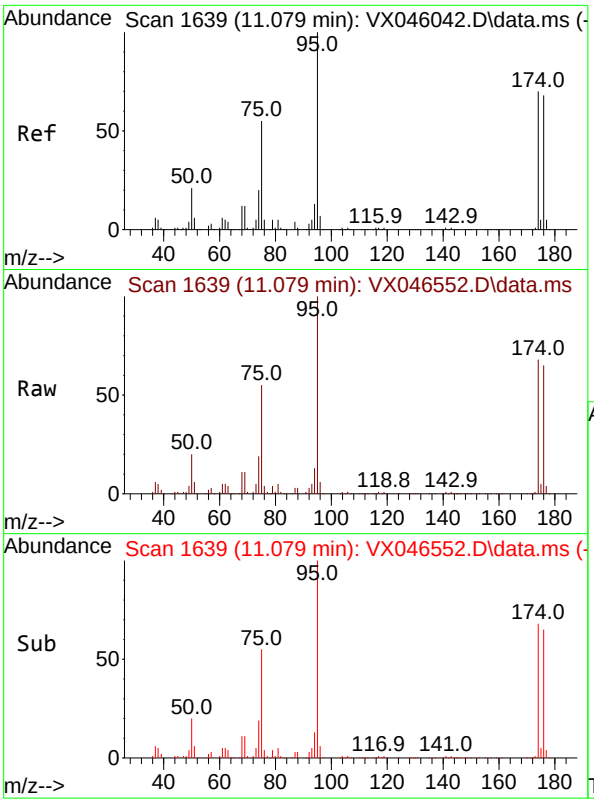


#52
Toluene
Concen: 69.480 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion: 92 Resp: 283738

Ion	Ratio	Lower	Upper
92	100		
91	171.8	136.6	205.0



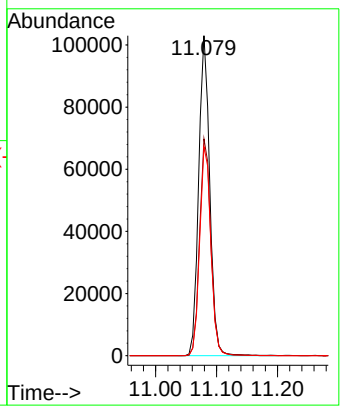


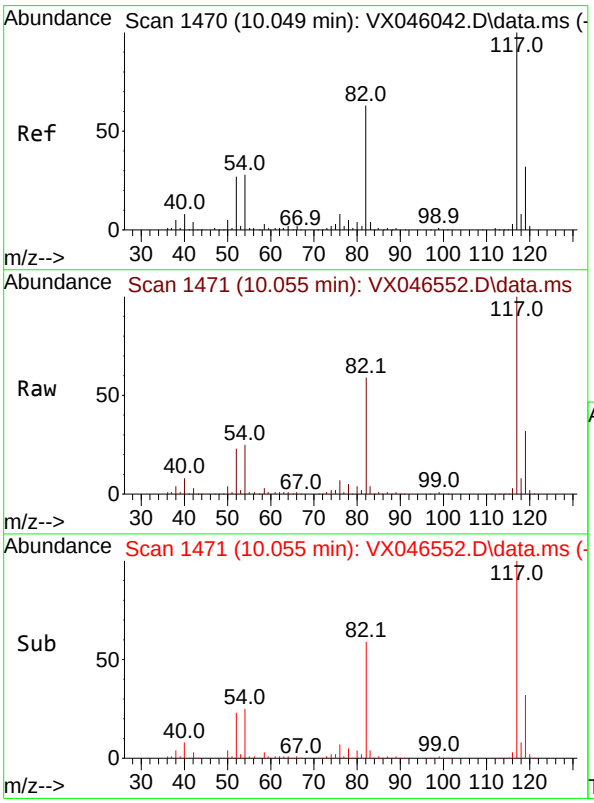
#62
4-Bromofluorobenzene
Concen: 57.646 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion: 95 Resp: 129982

Ion	Ratio	Lower	Upper
95	100		
174	68.7	0.0	135.8
176	66.2	0.0	131.4

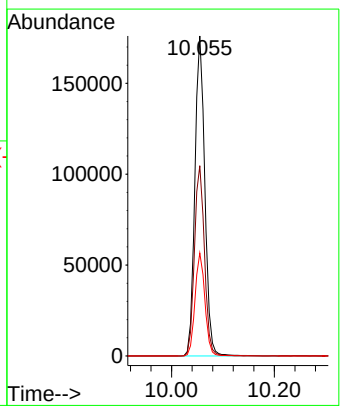


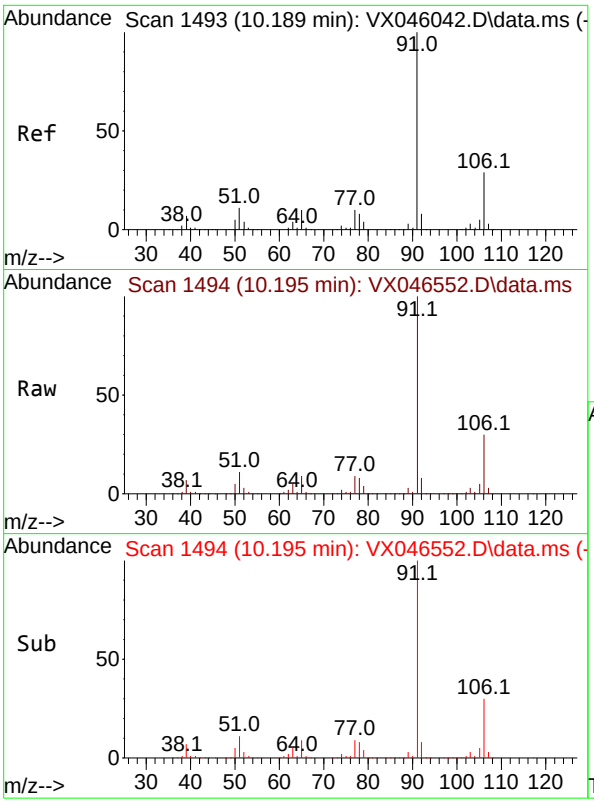


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion:117 Resp: 236932

Ion	Ratio	Lower	Upper
117	100		
82	59.5	50.6	76.0
119	32.2	25.8	38.6



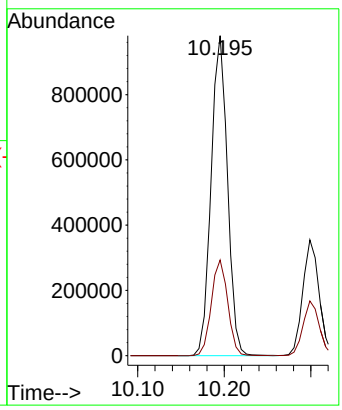


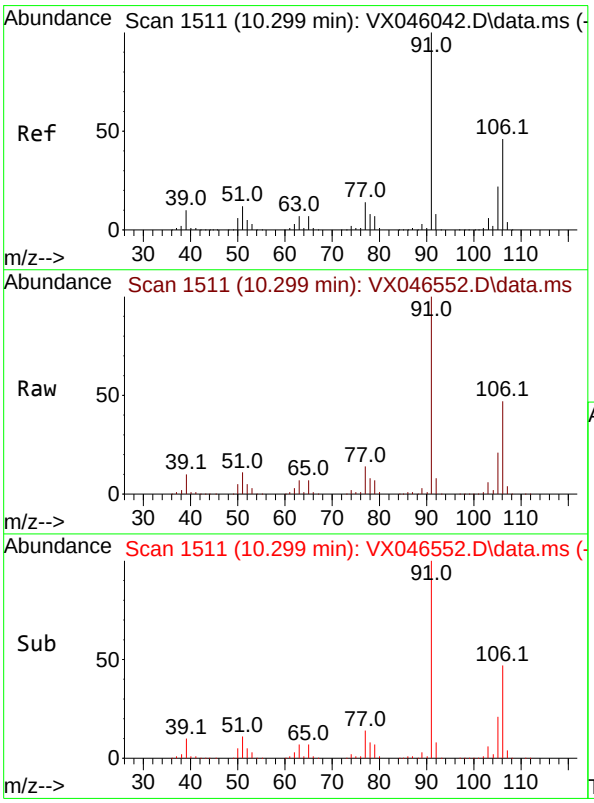
#67
Ethyl Benzene
Concen: 132.353 ug/l
RT: 10.195 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion: 91 Resp: 1287527

Ion	Ratio	Lower	Upper
91	100		
106	29.9	23.4	35.2

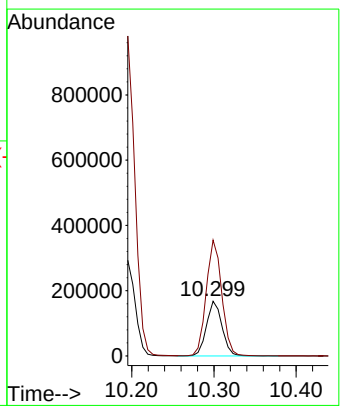


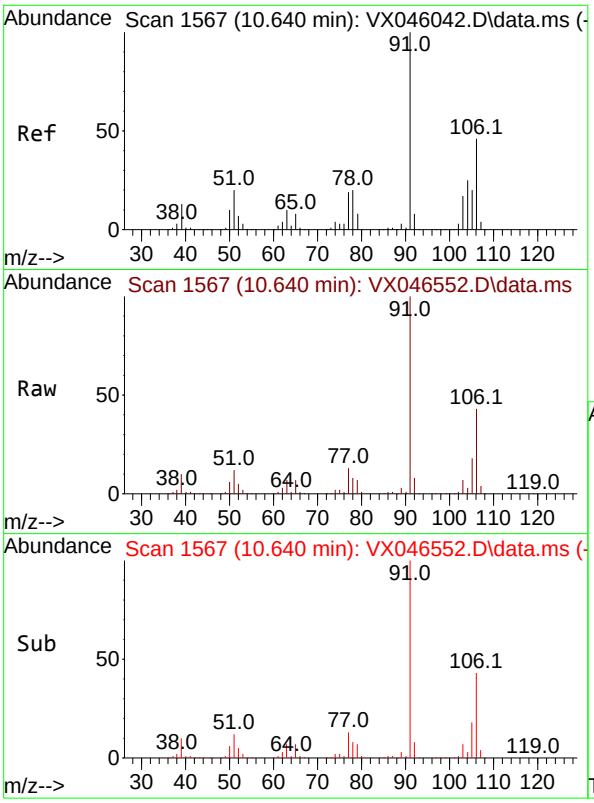


#68
m/p-Xylenes
Concen: 61.977 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion:106 Resp: 218707

Ion	Ratio	Lower	Upper
106	100		
91	213.6	171.2	256.8



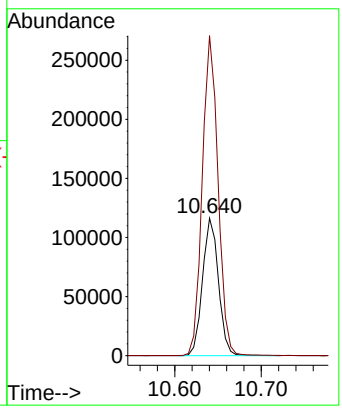


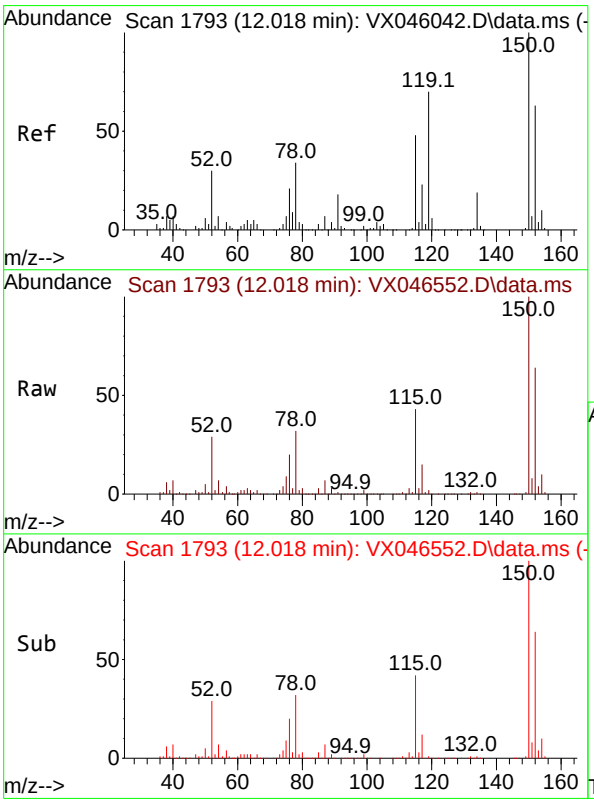
#69
o-Xylene
Concen: 43.514 ug/l
RT: 10.640 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:106 Resp: 148524

Ion	Ratio	Lower	Upper
106	100		
91	229.9	112.7	338.1

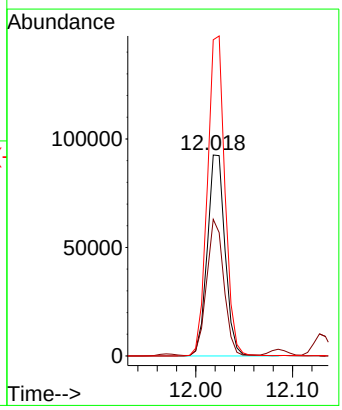


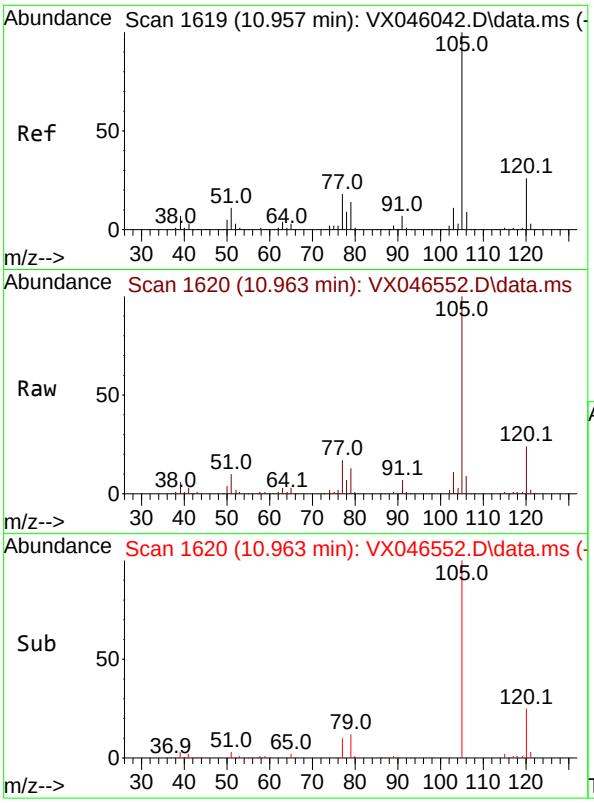


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion:152 Resp: 118237

Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.3	0.0	351.0



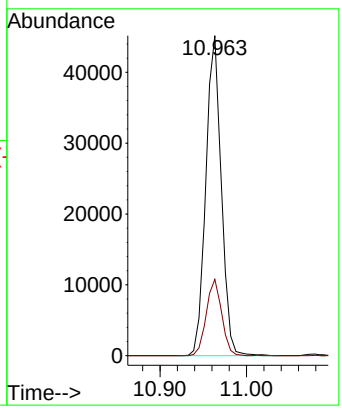


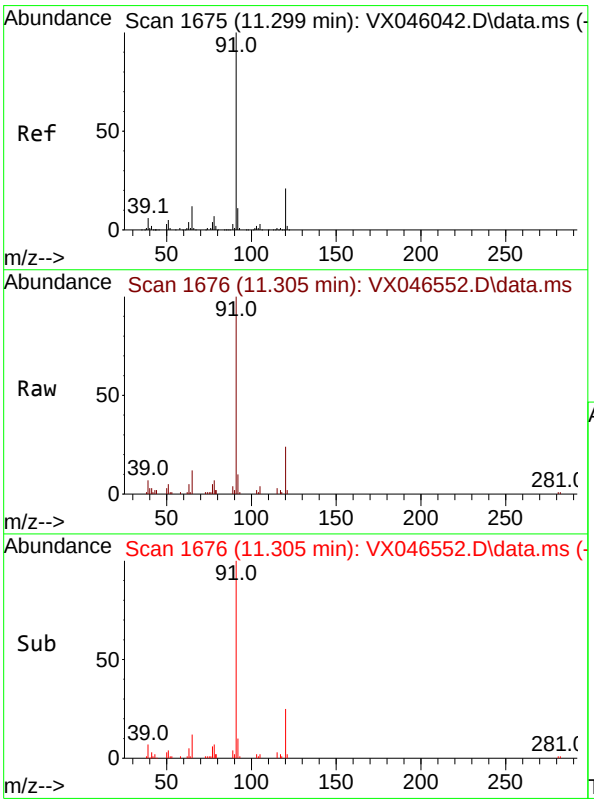
#73
Isopropylbenzene
Concen: 6.017 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:105 Resp: 55926

Ion	Ratio	Lower	Upper
105	100		
120	23.8	12.8	38.4

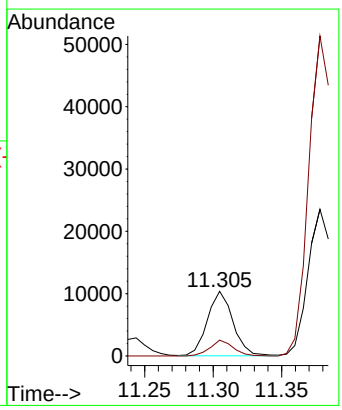


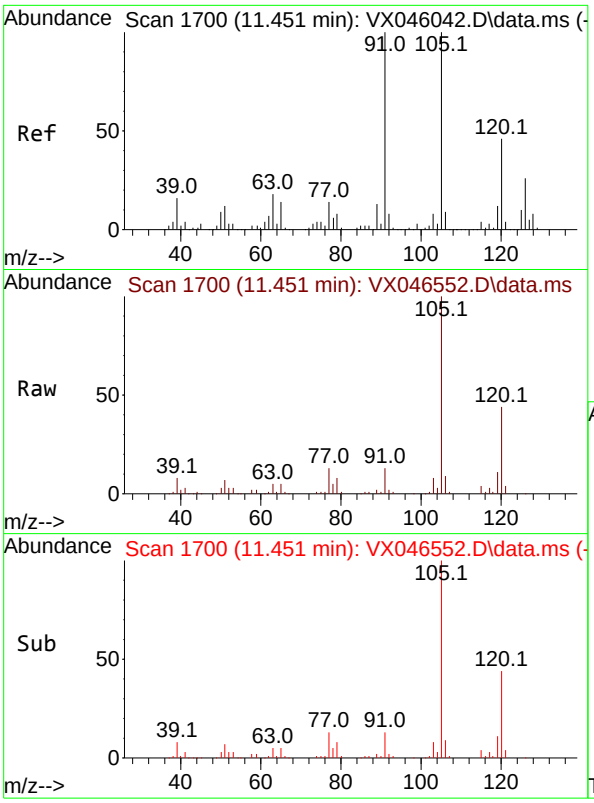


#78
n-propylbenzene
Concen: 1.194 ug/l
RT: 11.305 min Scan# 1676
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion: 91 Resp: 13434

Ion	Ratio	Lower	Upper
91	100		
120	22.1	10.8	32.4



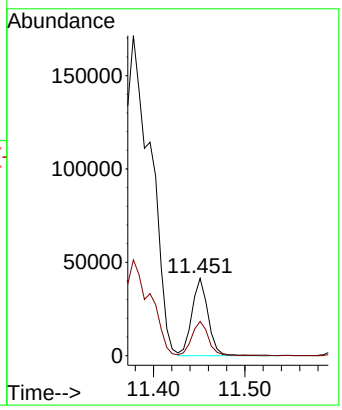


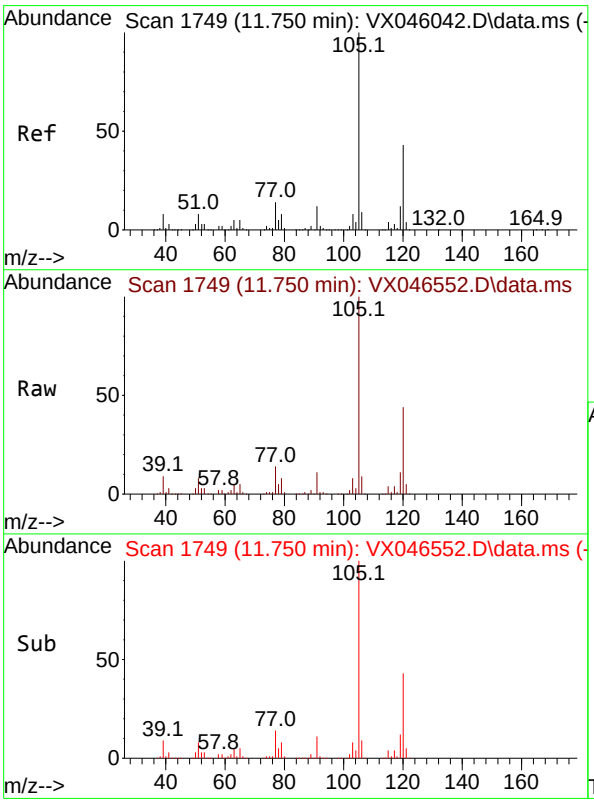
#80
1,3,5-Trimethylbenzene
Concen: 6.590 ug/l
RT: 11.451 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:105 Resp: 51037

Ion	Ratio	Lower	Upper
105	100		
120	45.3	23.1	69.2

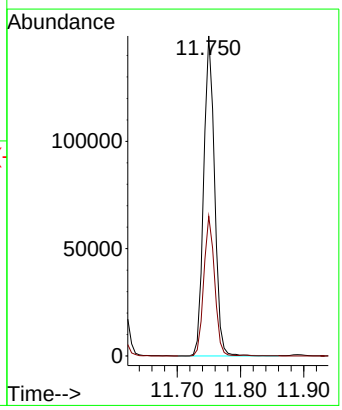


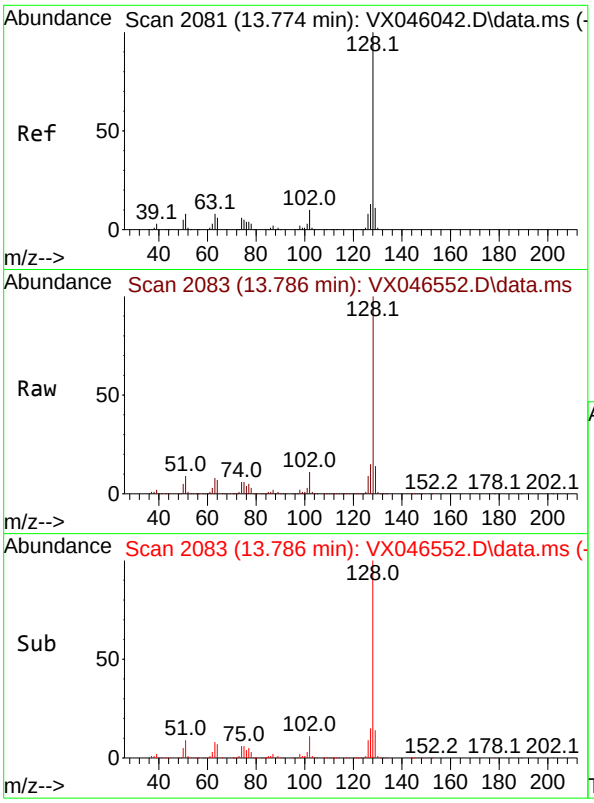


#84
1,2,4-Trimethylbenzene
Concen: 22.862 ug/l
RT: 11.750 min Scan# 1749
Delta R.T. -0.000 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Tgt Ion:105 Resp: 179132

Ion	Ratio	Lower	Upper
105	100		
120	43.3	21.2	63.6



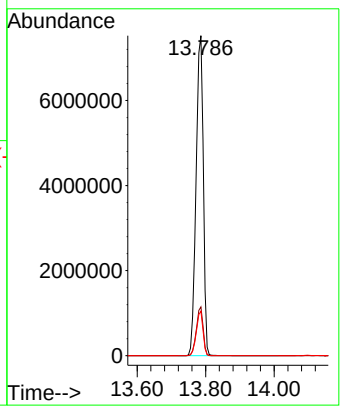


#95
Naphthalene
Concen: 1262.244 ug/l
RT: 13.786 min Scan# 2
Delta R.T. 0.012 min
Lab File: VX046552.D
Acq: 07 Jun 2025 03:26

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-04-G

Tgt Ion:128 Resp:11041907

Ion	Ratio	Lower	Upper
128	100		
127	14.3	10.4	15.6
129	12.8	8.6	13.0



Raw Data: **VN086898.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-04-GRE	SDG No.:	Q2236
Lab Sample ID:	Q2236-05RE	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086898.D	1		06/09/25 12:38	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.11		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	43.2		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	32.6	*	70 (75) - 130 (124)	65%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.6		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	357000	8.229			
540-36-3	1,4-Difluorobenzene	625000	9.106			
3114-55-4	Chlorobenzene-d5	548000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	258000	13.788			

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\VN060925\
Data File : VN086898.D
Acq On : 09 Jun 2025 12:38
Operator : JC\MD
Sample : Q2236-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 10 03:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	357416	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	624769	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	547693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	258175	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	206514	43.155	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	86.300%		
35) Dibromofluoromethane	8.177	113	120651	32.586	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	65.180%#		
50) Toluene-d8	10.570	98	752459	51.337	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	102.680%		
62) 4-Bromofluorobenzene	12.847	95	264424	48.557	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	97.120%		
Target Compounds						Qvalue
8) Diethyl Ether	3.983	74	81599	30.196	ug/l	92
16) Acetone	4.447	43	147270	58.032	ug/l	99
20) Methylene Chloride	5.300	84	7387	1.555	ug/l #	83
40) Benzene	8.612	78	1949840	108.077	ug/l	99
52) Toluene	10.629	92	723153	65.589	ug/l	100
67) Ethyl Benzene	11.965	91	2970975	142.788	ug/l	99
68) m/p-Xylenes	12.065	106	539700	67.760	ug/l	98
69) o-Xylene	12.394	106	375364	49.207	ug/l	97
73) Isopropylbenzene	12.694	105	129285	6.874	ug/l	99
78) n-propylbenzene	13.035	91	28851	1.262	ug/l	92
80) 1,3,5-Trimethylbenzene	13.170	105	104344	6.720	ug/l	97
84) 1,2,4-Trimethylbenzene	13.482	105	391582	25.148	ug/l	97
86) p-Isopropyltoluene	13.729	119	17849	1.046	ug/l #	78
95) Naphthalene	15.629	128	22498070m	1160.940	ug/l	

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

Sample Results: **VN086898.D**

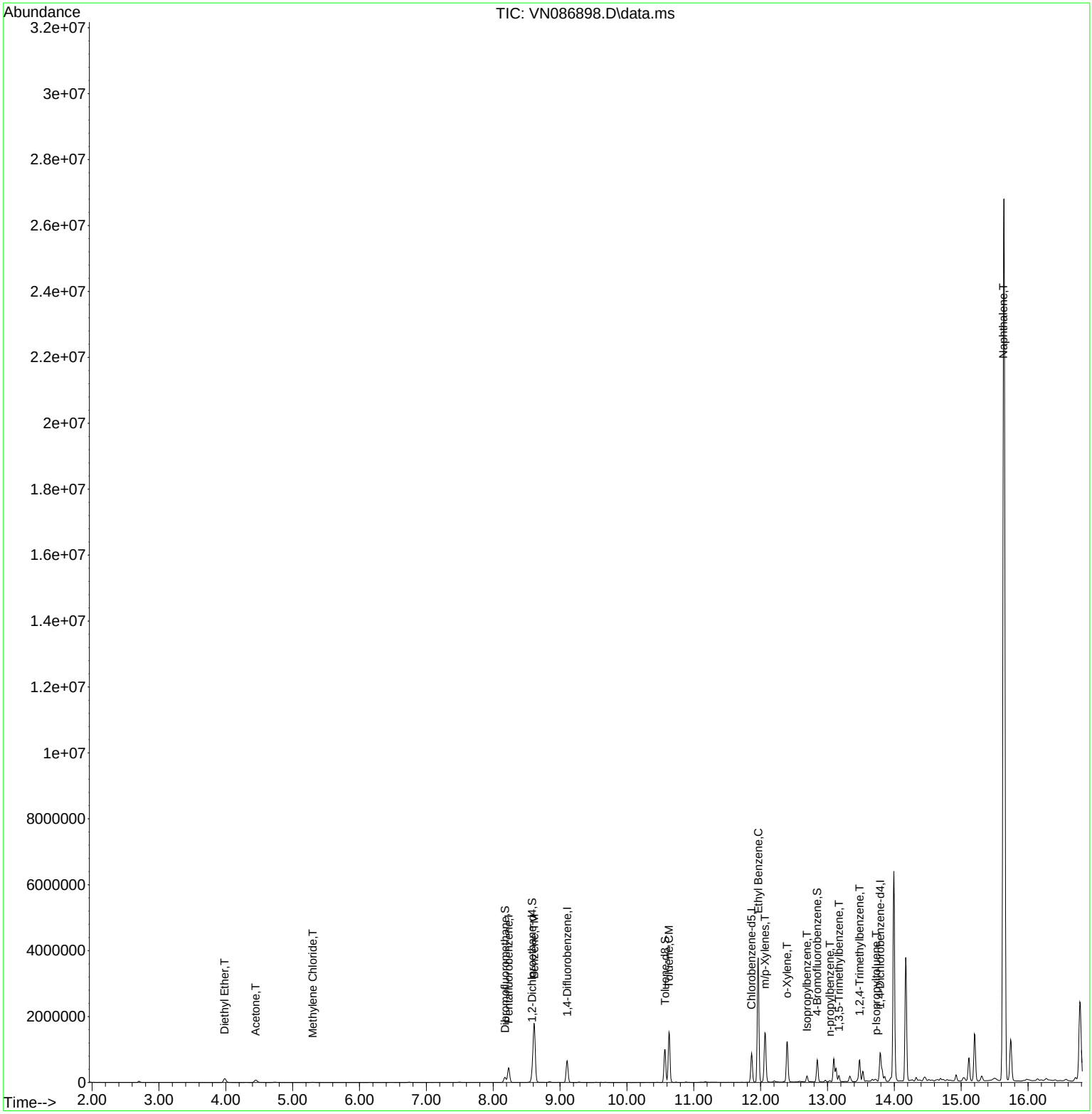
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086898.D
Acq On : 09 Jun 2025 12:38
Operator : JC\MD
Sample : Q2236-05RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

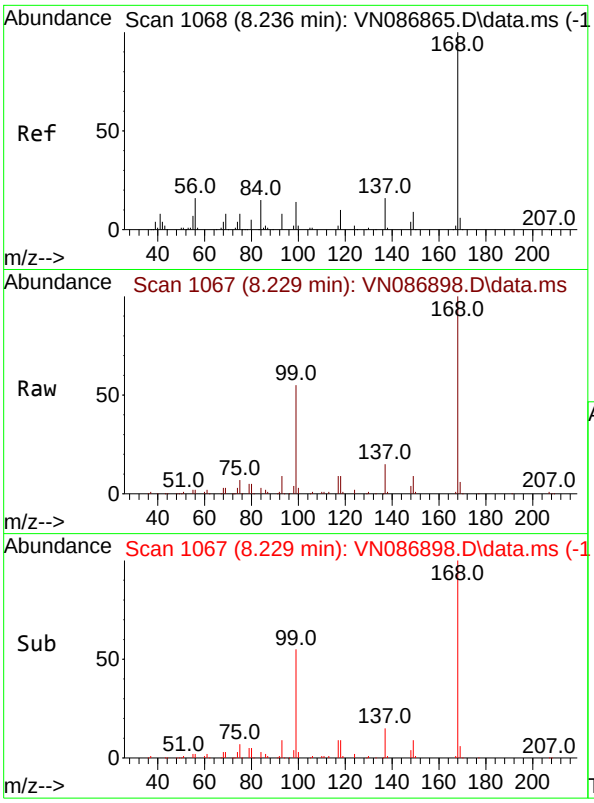
Quant Time: Jun 10 03:30:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

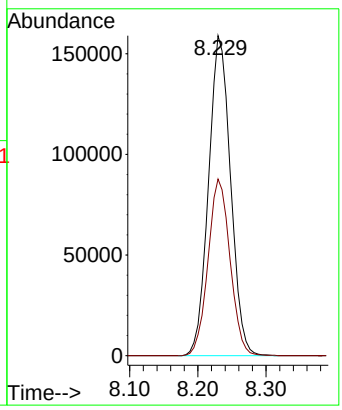




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:168 Resp: 35741

Ion	Ratio	Lower	Upper
168	100		
99	55.2	49.1	73.7



Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
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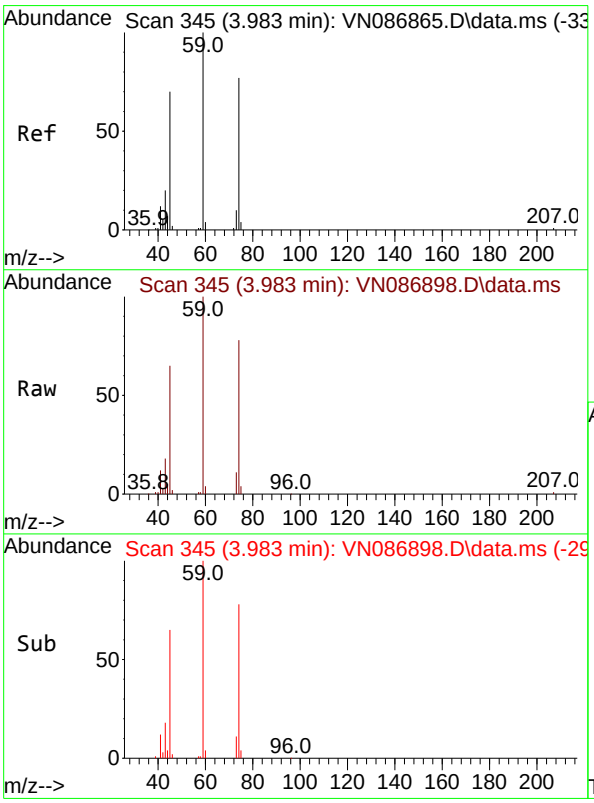
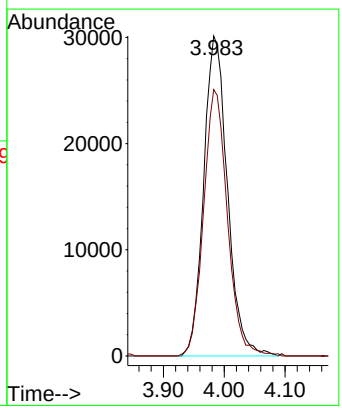
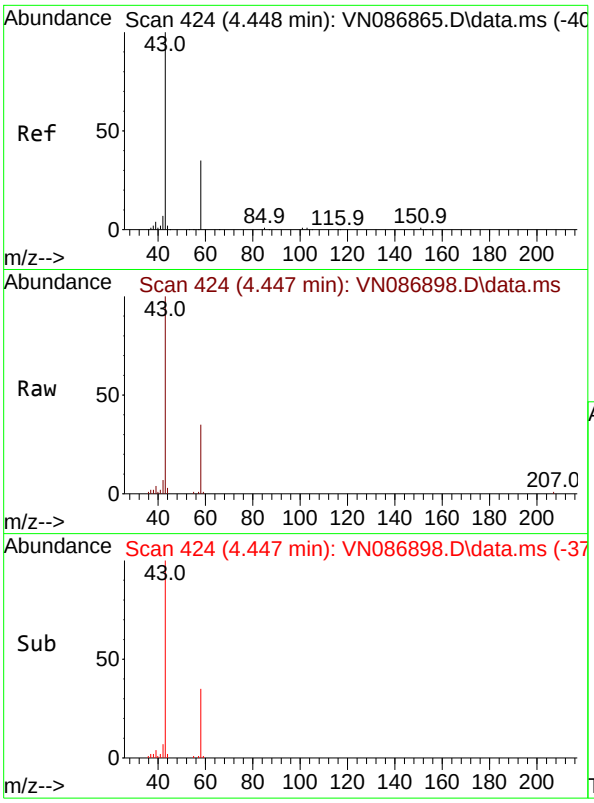


#8
Diethyl Ether
Concen: 30.196 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 74 Resp: 81599

Ion	Ratio	Lower	Upper
74	100		
45	83.7	45.5	136.5





#16
Acetone
Concen: 58.032 ug/l
RT: 4.447 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

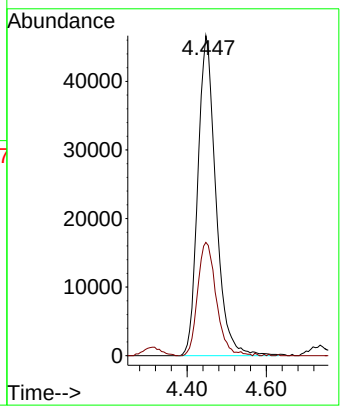
Tgt Ion: 43 Resp: 14727

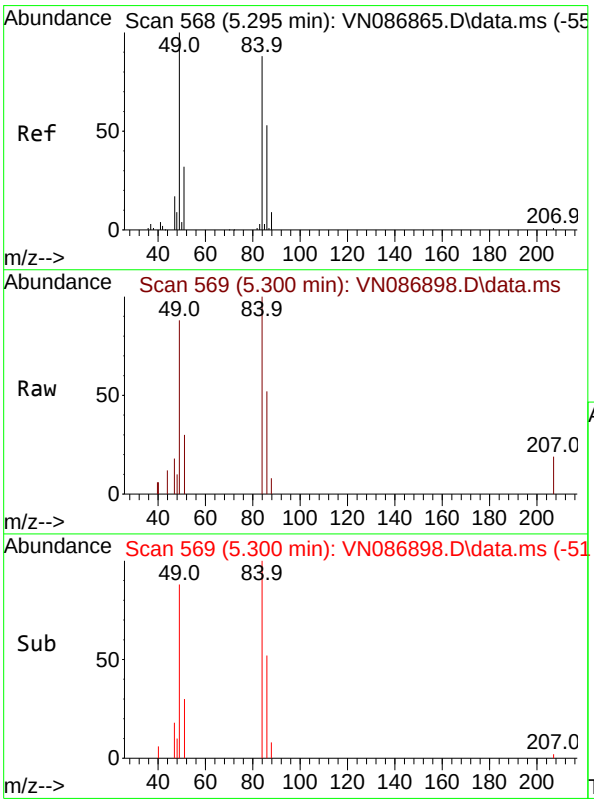
Ion	Ratio	Lower	Upper
43	100		
58	35.4	28.0	42.0

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

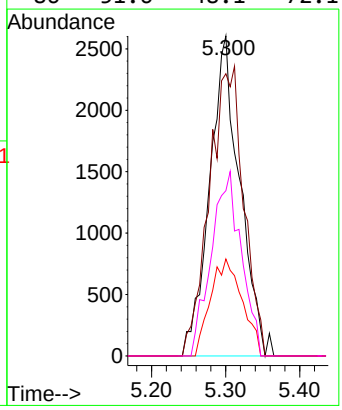


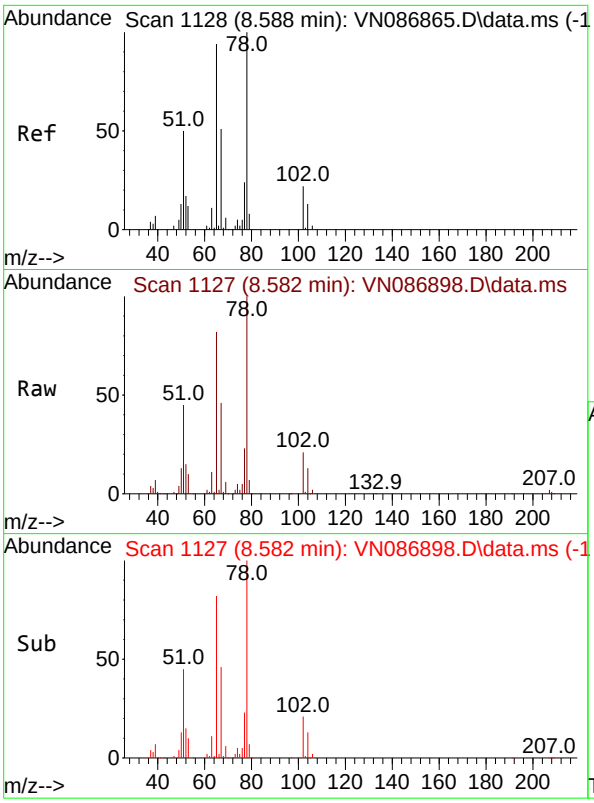


#20
Methylene Chloride
Concen: 1.555 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 84 Resp: 7387

Ion	Ratio	Lower	Upper
84	100		
49	88.2	90.5	135.7#
51	30.3	28.5	42.7
86	51.6	48.1	72.1





#33
1,2-Dichloroethane-d4
Concen: 43.155 ug/l
RT: 8.582 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

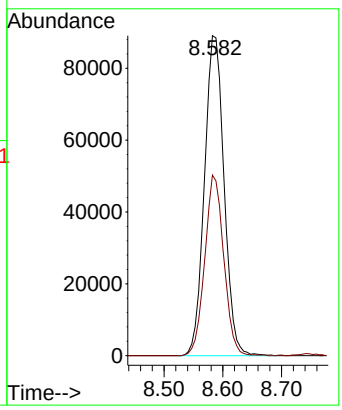
Tgt Ion: 65 Resp: 20651

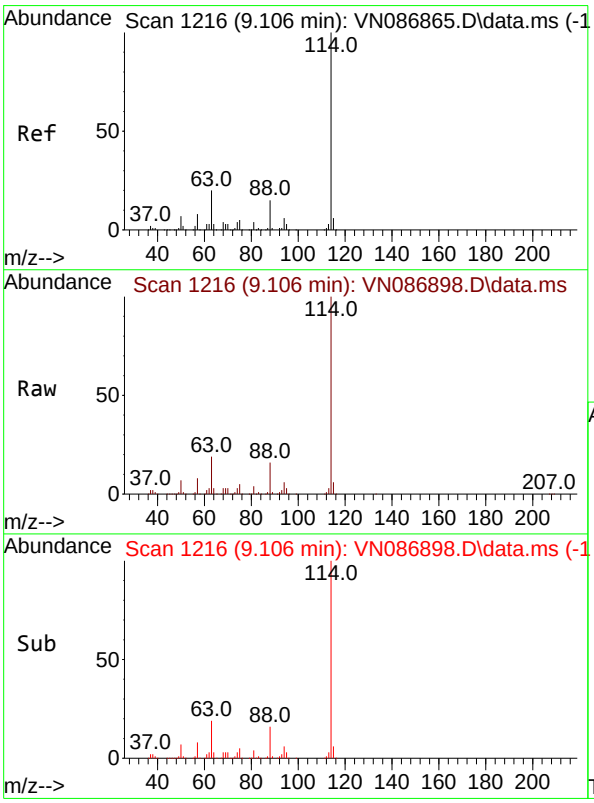
Ion	Ratio	Lower	Upper
65	100		
67	54.7	0.0	105.6

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

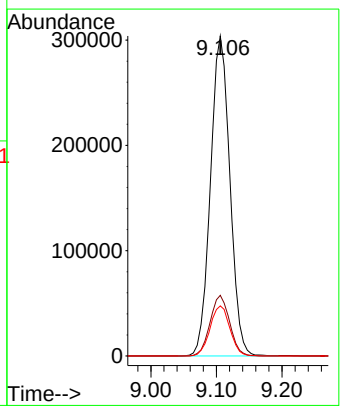


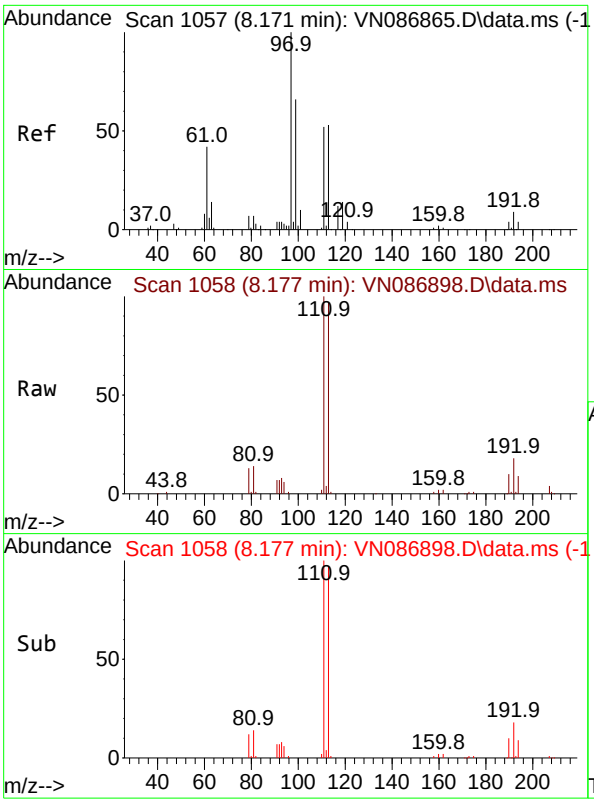


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:114 Resp: 624769

Ion	Ratio	Lower	Upper
114	100		
63	18.9	0.0	39.6
88	15.7	0.0	30.2

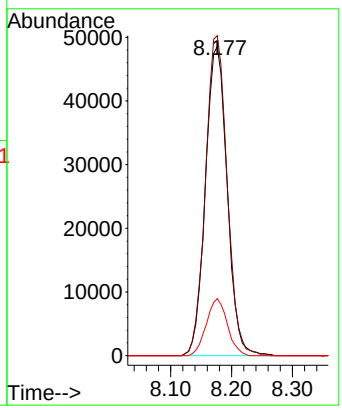




#35
Dibromofluoromethane
Concen: 32.586 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:113 Resp: 12065

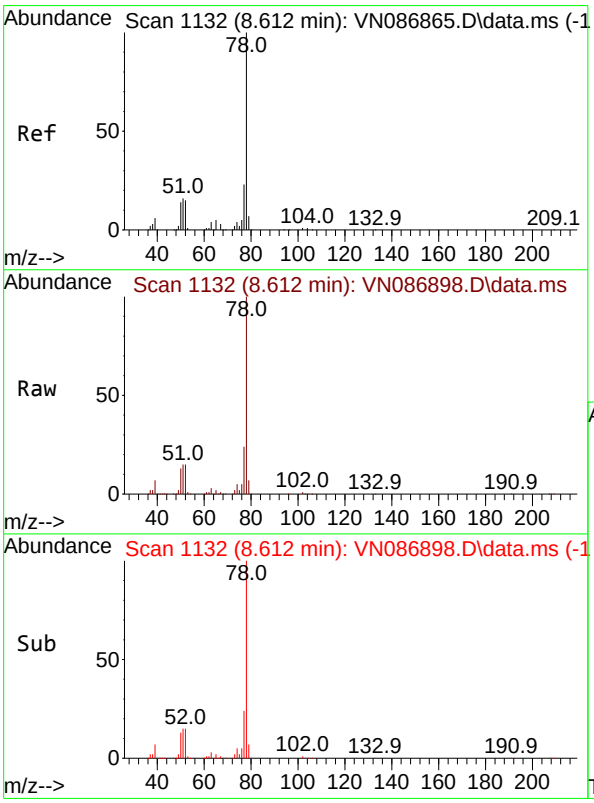
Ion	Ratio	Lower	Upper
113	100		
111	103.0	84.2	126.2
192	17.8	14.2	21.4



Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

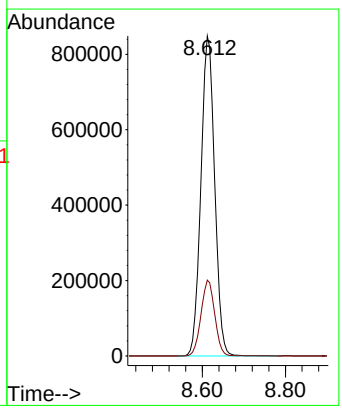
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

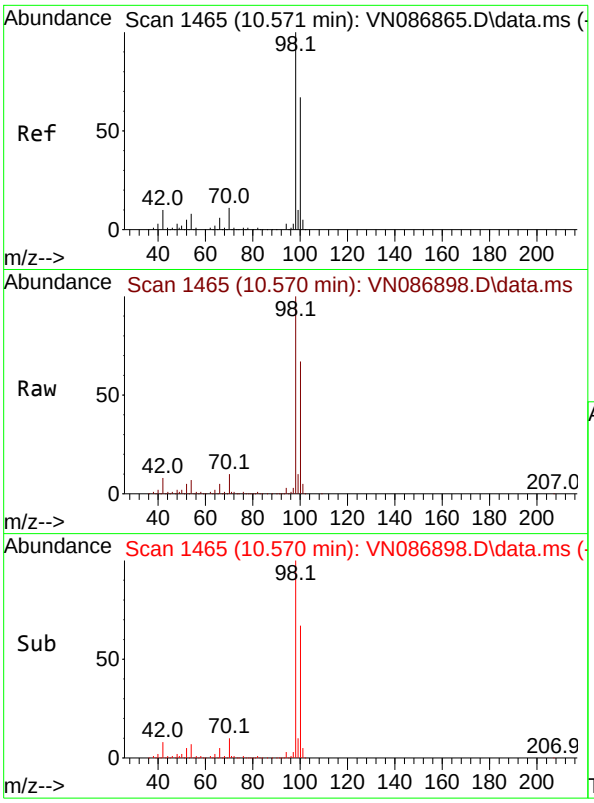


#40
Benzene
Concen: 108.077 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 78 Resp: 1949840

Ion	Ratio	Lower	Upper
78	100		
77	23.7	18.7	28.1





#50
Toluene-d8
Concen: 51.337 ug/l
RT: 10.570 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 98 Resp: 75245

Ion	Ratio	Lower	Upper
98	100		
100	66.4	53.4	80.0

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
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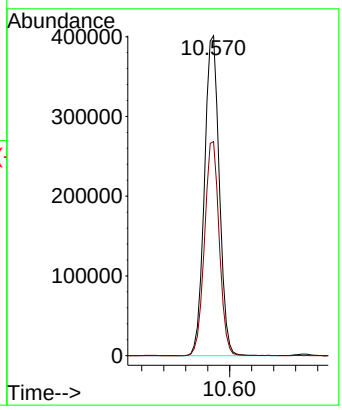
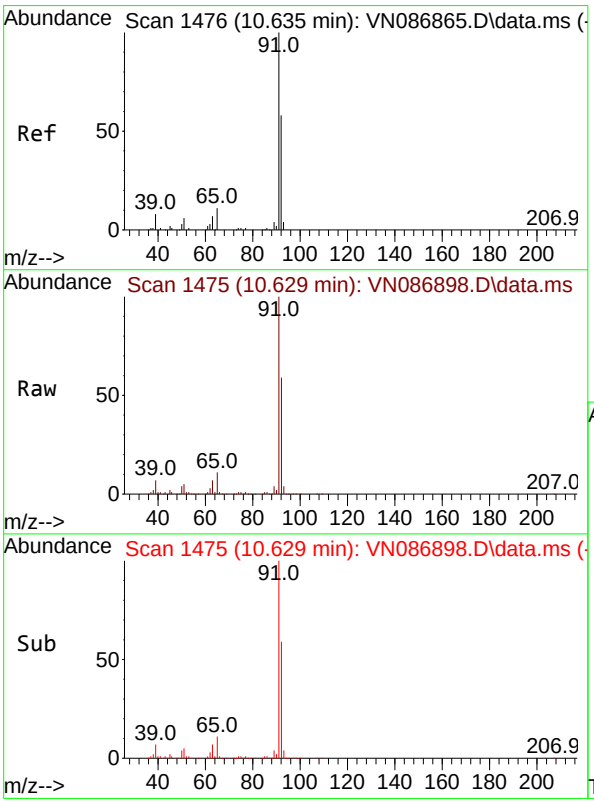
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

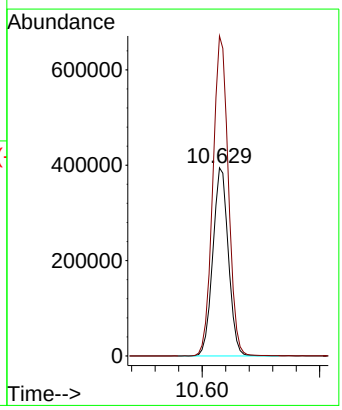


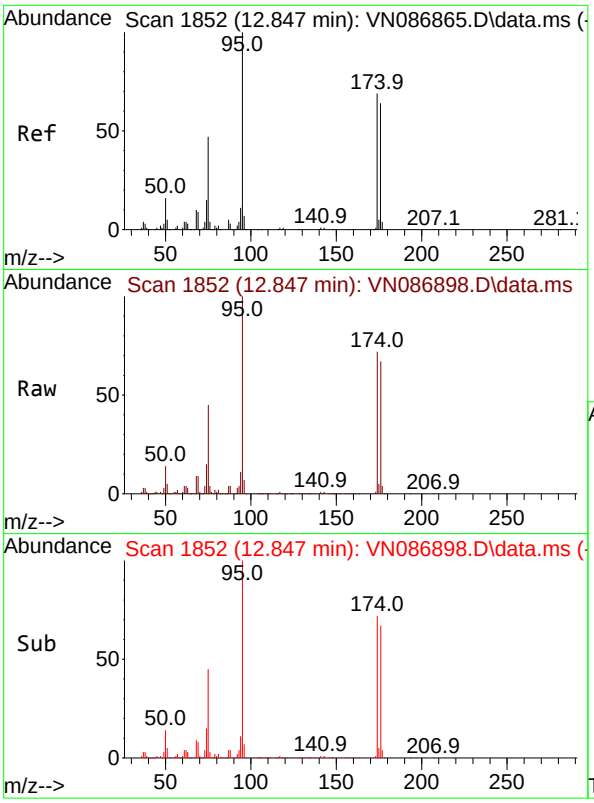


#52
Toluene
Concen: 65.589 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 92 Resp: 723153

Ion	Ratio	Lower	Upper
92	100		
91	170.2	136.5	204.7

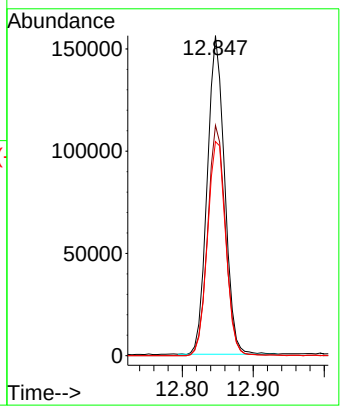




#62
4-Bromofluorobenzene
Concen: 48.557 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 95 Resp: 26442

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	141.8
176	70.5	0.0	132.6



Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
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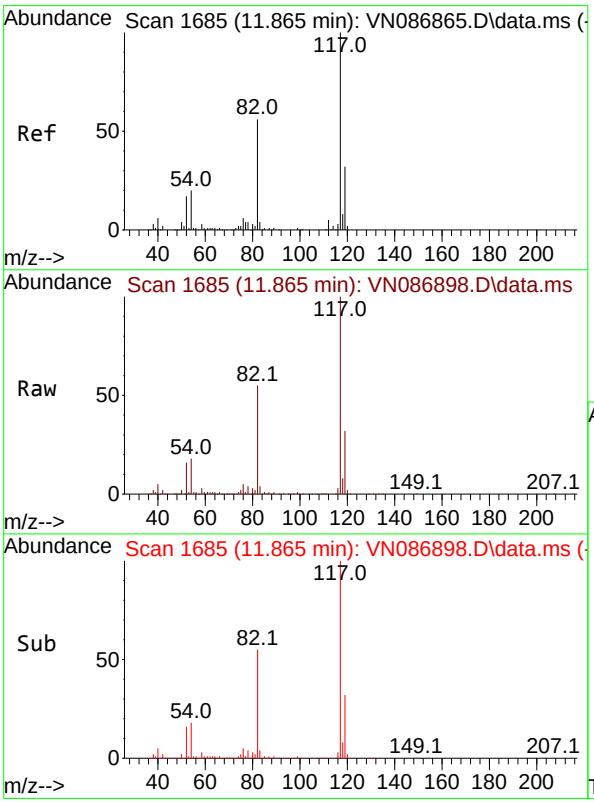
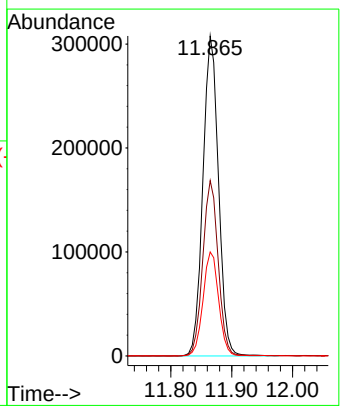
Supervised By :Mahesh Dadoda 06/10/2025

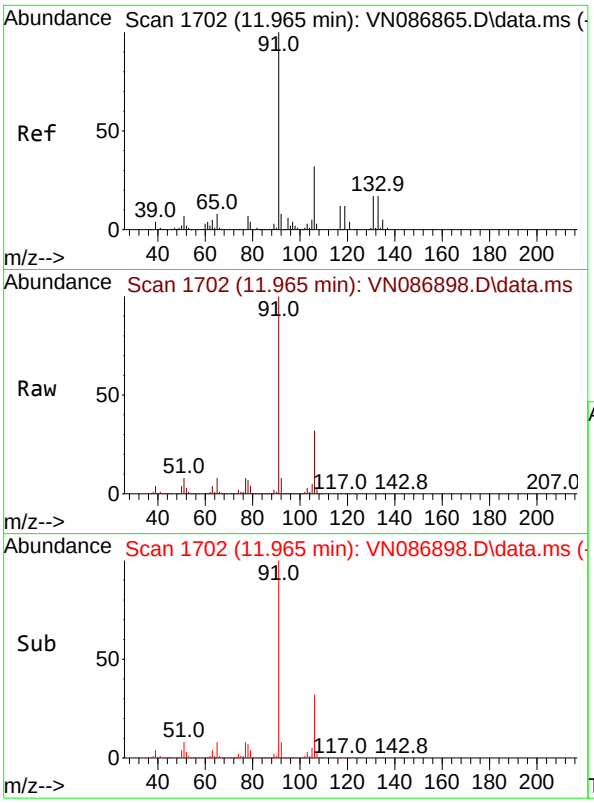


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:117 Resp: 547693

Ion	Ratio	Lower	Upper
117	100		
82	54.8	44.6	67.0
119	32.5	25.5	38.3





#67
Ethyl Benzene
Concen: 142.788 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 91 Resp: 297097

Ion	Ratio	Lower	Upper
91	100		
106	32.5	25.4	38.2

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

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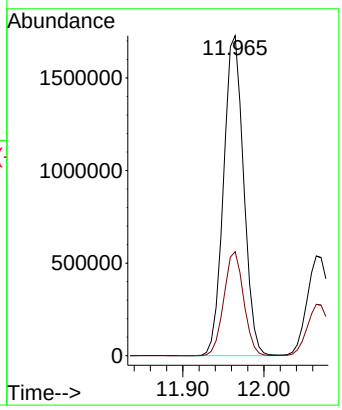
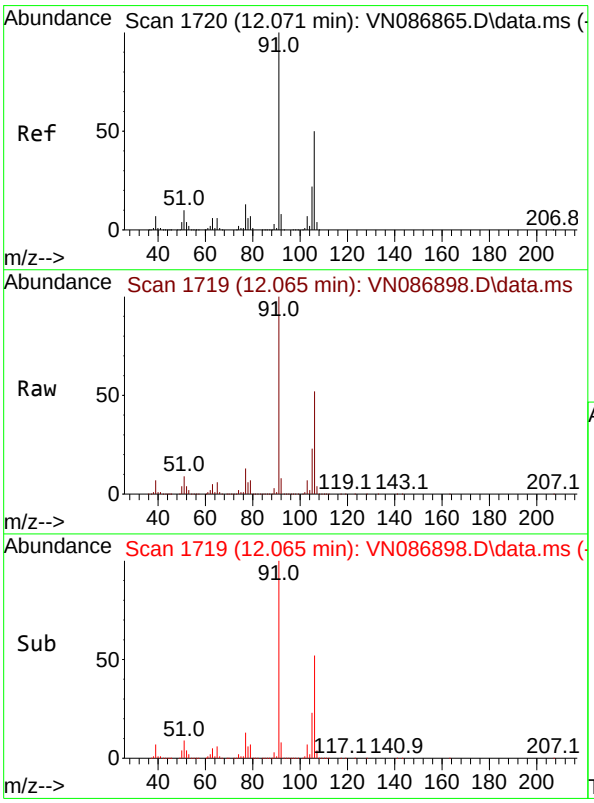
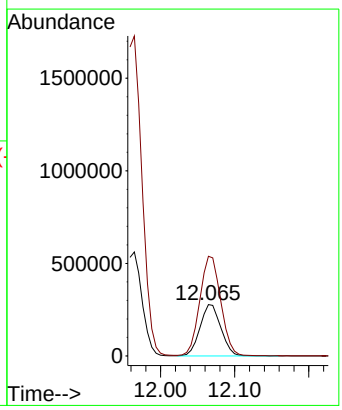


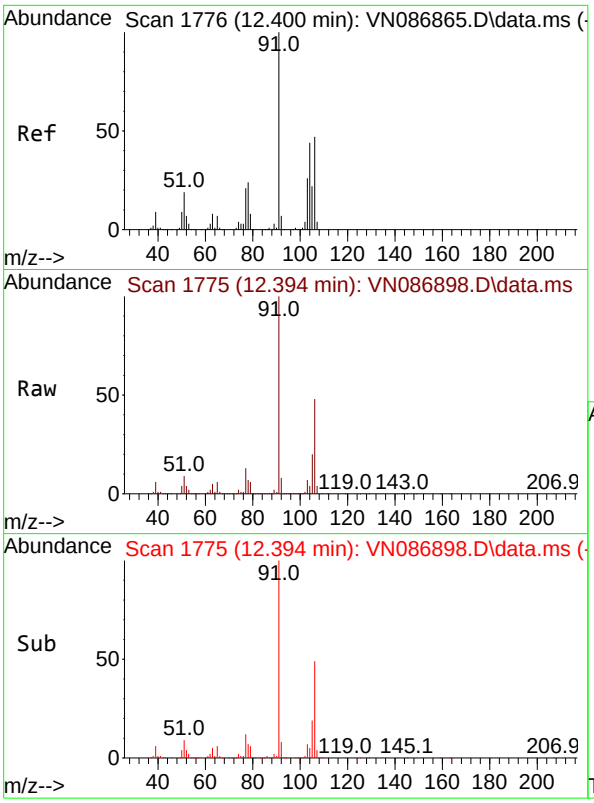


#68
m/p-Xylenes
Concen: 67.760 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:106 Resp: 539700

Ion	Ratio	Lower	Upper
106	100		
91	195.9	159.4	239.0





#69
o-Xylene
Concen: 49.207 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:106 Resp: 37536

Ion	Ratio	Lower	Upper
106	100		
91	207.1	106.1	318.1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
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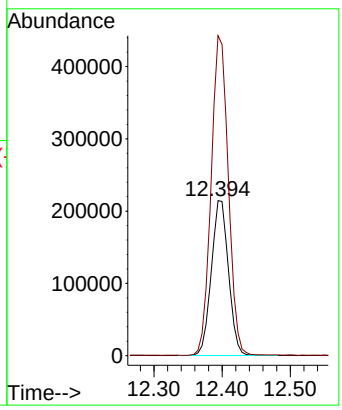
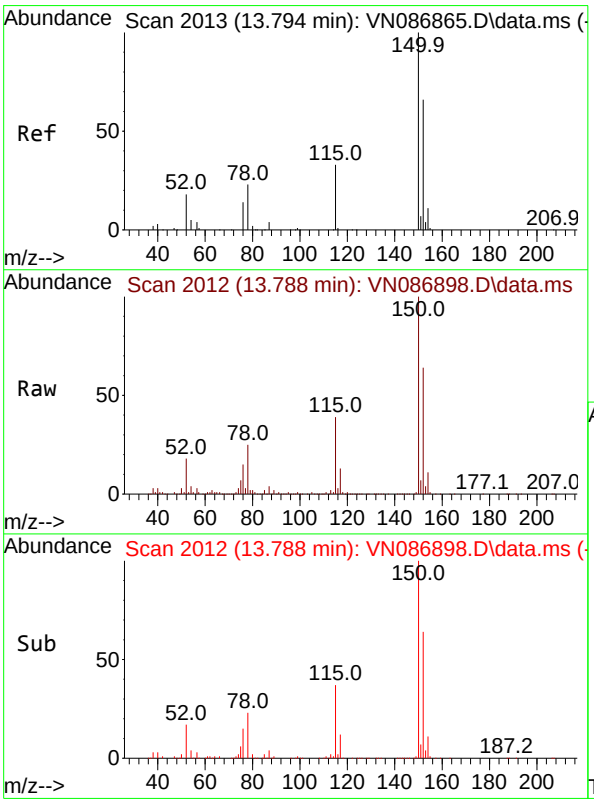
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

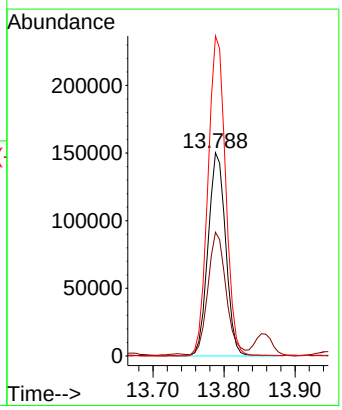


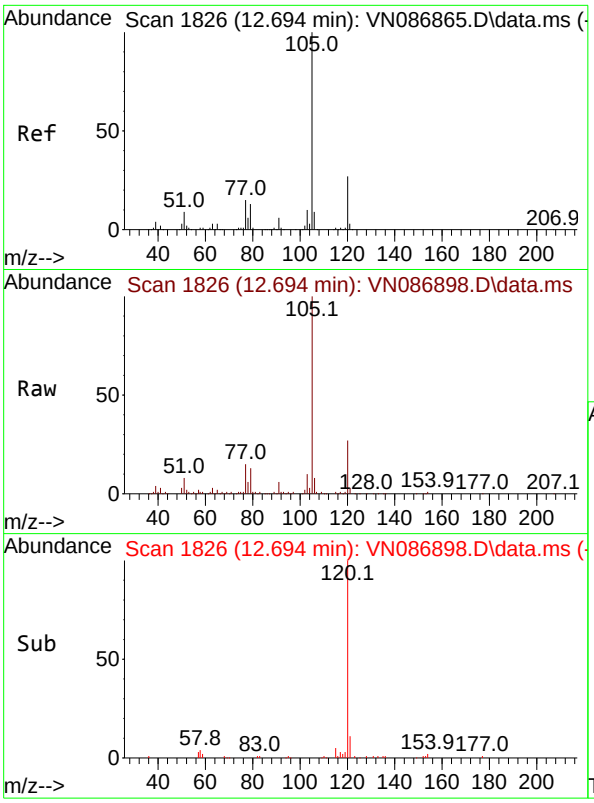


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:152 Resp: 258175

Ion	Ratio	Lower	Upper
152	100		
115	61.9	30.1	90.5
150	158.5	0.0	345.0





#73
Isopropylbenzene
Concen: 6.874 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

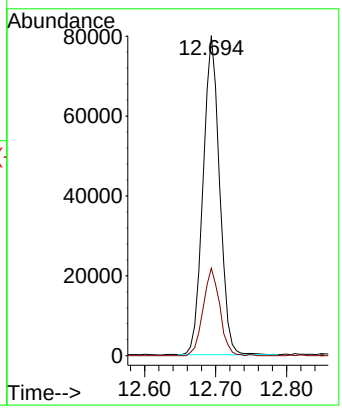
Tgt Ion:105 Resp: 12928

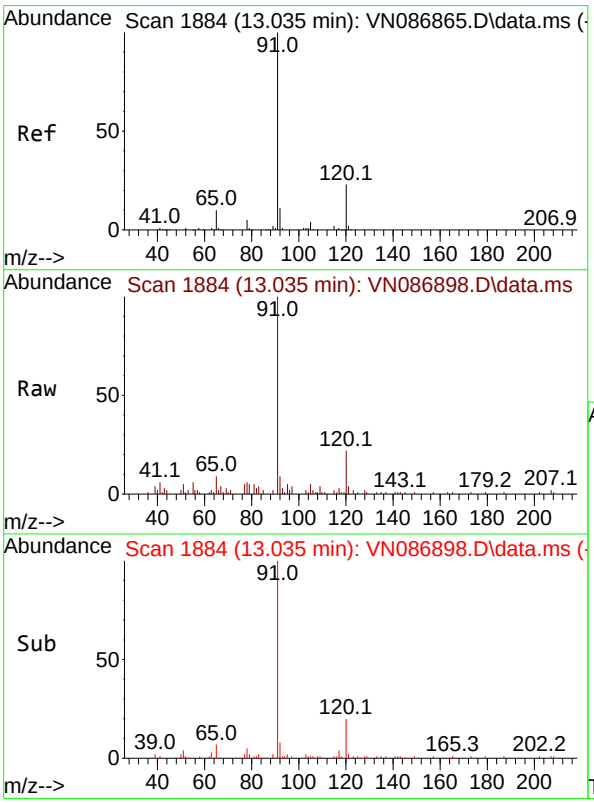
Ion	Ratio	Lower	Upper
105	100		
120	27.6	13.5	40.4

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

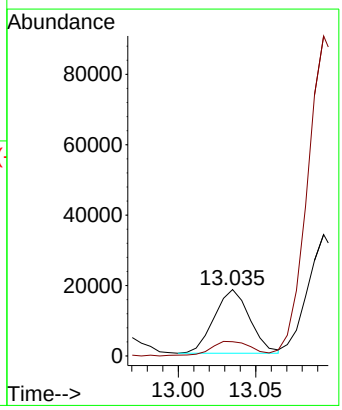


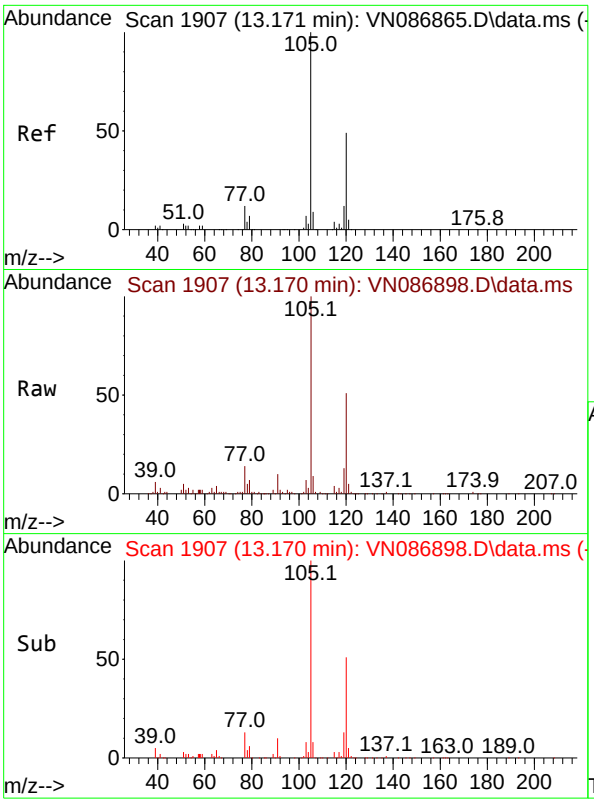


#78
n-propylbenzene
Concen: 1.262 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion: 91 Resp: 28851

Ion	Ratio	Lower	Upper
91	100		
120	26.9	11.4	34.2

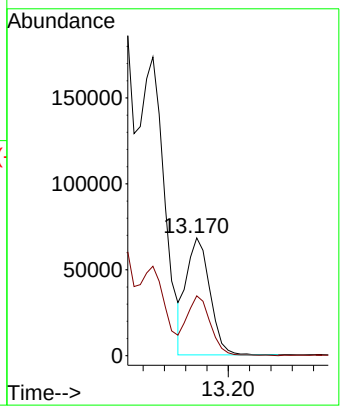




#80
1,3,5-Trimethylbenzene
Concen: 6.720 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:105 Resp: 10434

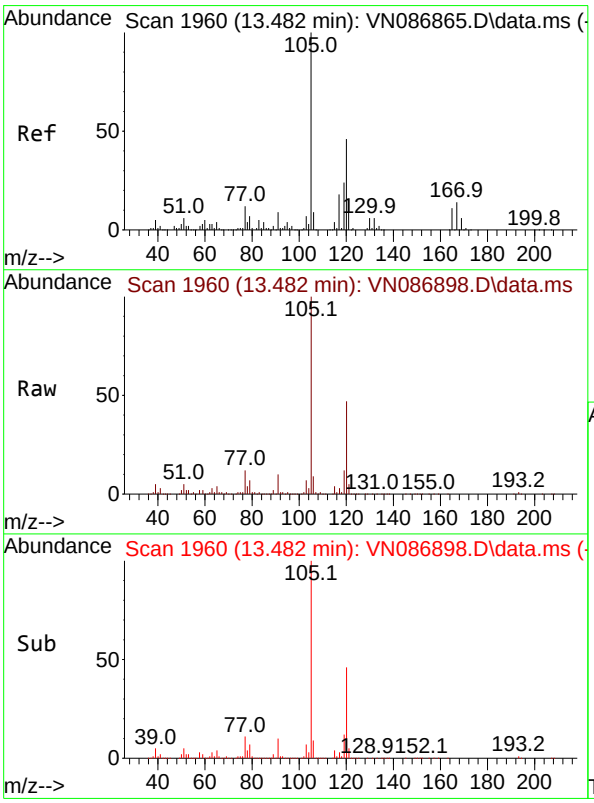
Ion	Ratio	Lower	Upper
105	100		
120	51.8	24.9	74.6



Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
APPROVED

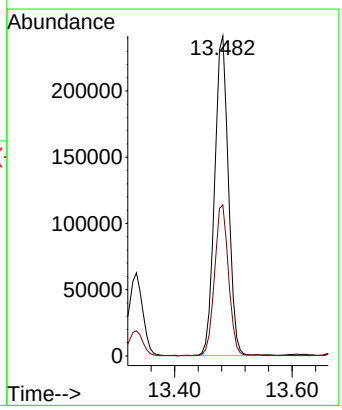
Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

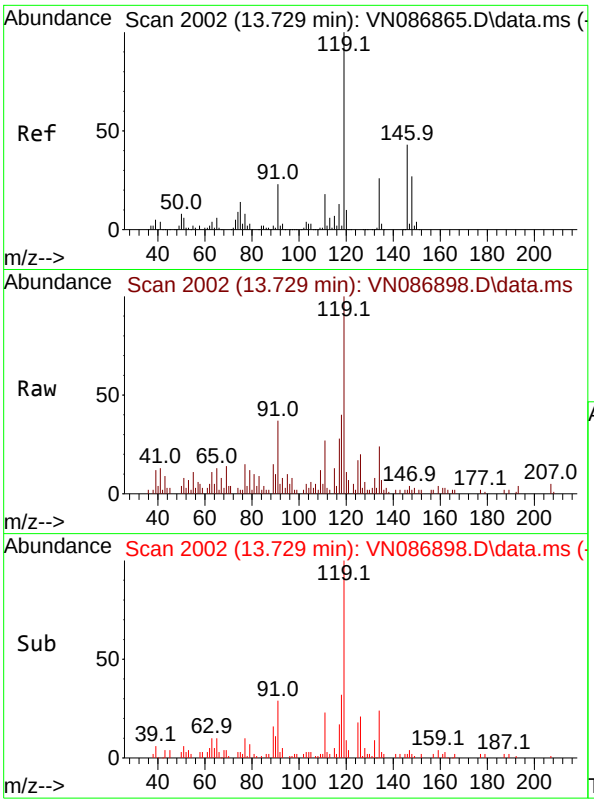


#84
1,2,4-Trimethylbenzene
Concen: 25.148 ug/l
RT: 13.482 min Scan# 1960
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:105 Resp: 391582

Ion	Ratio	Lower	Upper
105	100		
120	48.1	23.2	69.6





#86
p-Isopropyltoluene
Concen: 1.046 ug/l
RT: 13.729 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:119 Resp: 1784

Ion	Ratio	Lower	Upper
119	100		
134	26.9	13.5	40.4
91	0.0	11.5	34.4#

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-04-GRE

Manual Integrations
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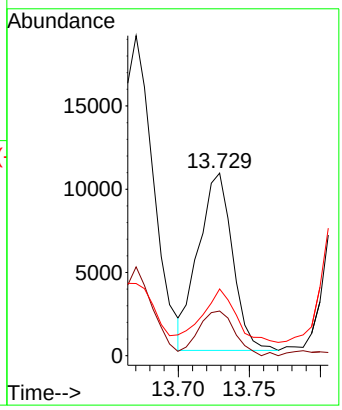
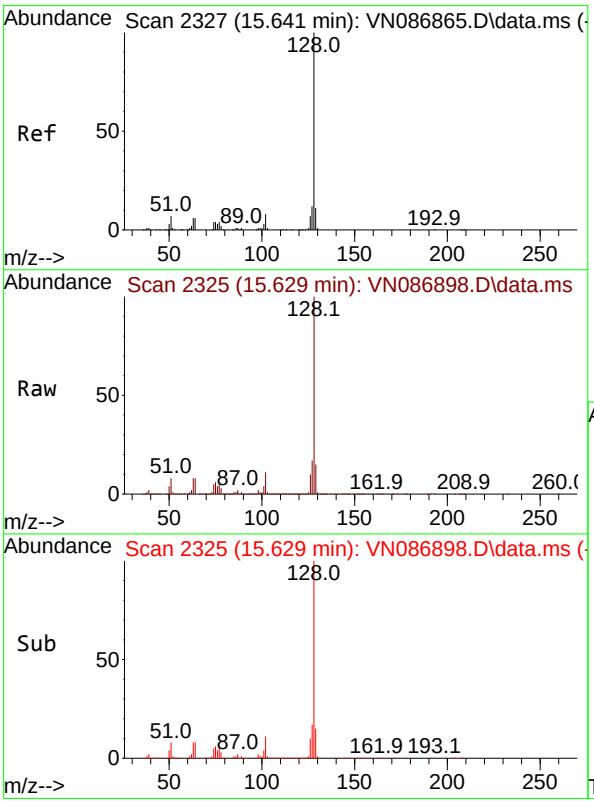
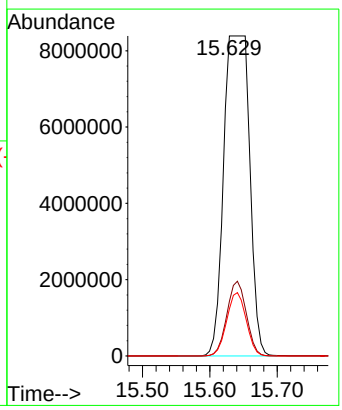




#95
Naphthalene
Concen: 1160.940 ug/l m
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN086898.D
Acq: 09 Jun 2025 12:38

Tgt Ion:128 Resp:22498070

Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.8	13.2#



Raw Data: **VN086899.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-05-G	SDG No.:	Q2236
Lab Sample ID:	Q2236-09	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086899.D	1		06/09/25 12:59	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.0024	J	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.023		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	41.5		70 (74) - 130 (125)	83%	SPK: 50
1868-53-7	Dibromofluoromethane	40.2		70 (75) - 130 (124)	80%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.2		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	396000	8.23			
540-36-3	1,4-Difluorobenzene	681000	9.106			
3114-55-4	Chlorobenzene-d5	597000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	291000	13.788			

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\VN060925\
Data File : VN086899.D
Acq On : 09 Jun 2025 12:59
Operator : JC\MD
Sample : Q2236-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Quant Time: Jun 10 03:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

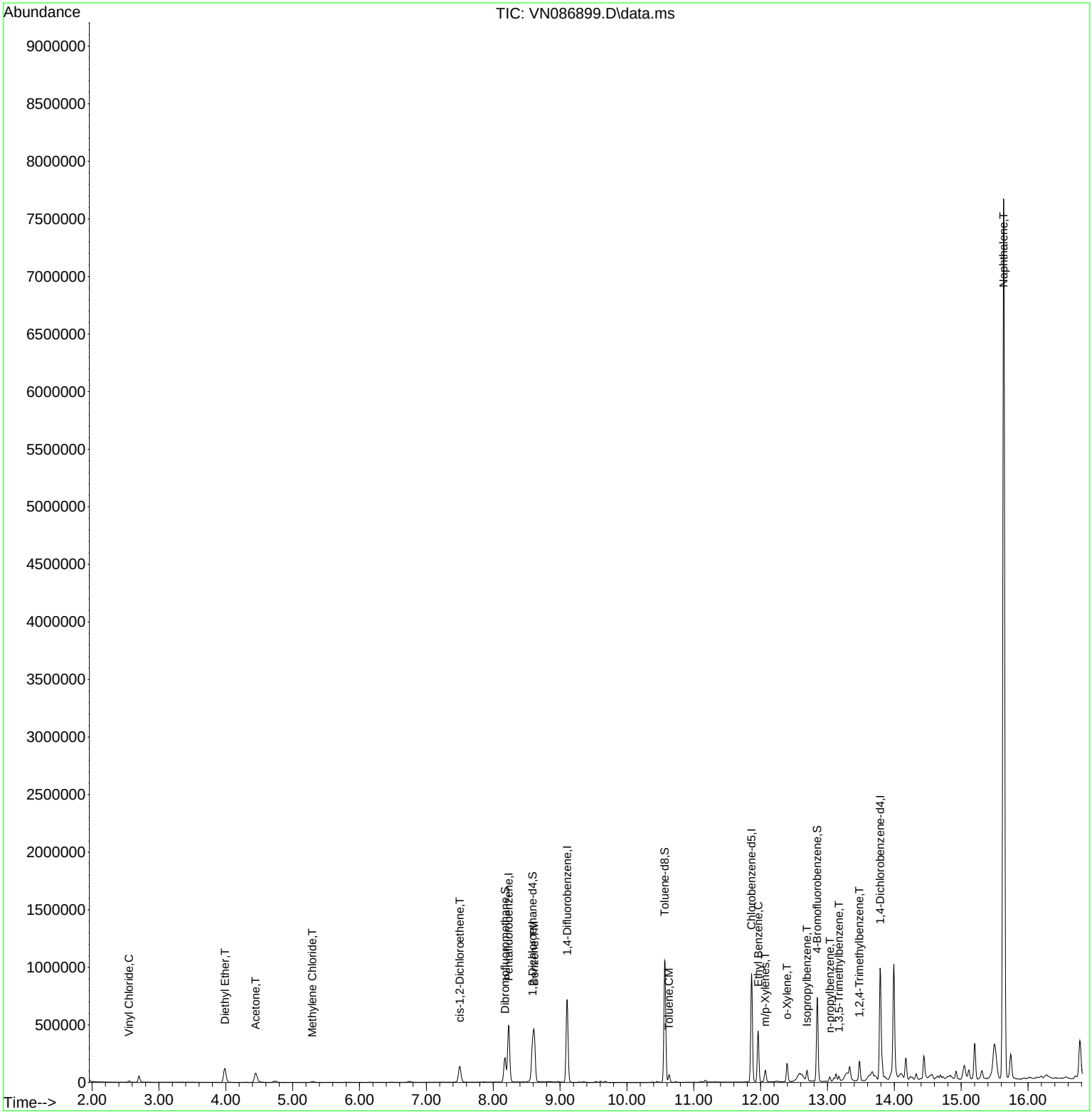
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	396308	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	680731	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	597431	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	290954	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	220244	41.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 83.020%			
35) Dibromofluoromethane	8.177	113	162269	40.224	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 80.440%			
50) Toluene-d8	10.565	98	808270	50.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.847	95	292203	49.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.500%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.554	62	12417	2.359	ug/l	98
8) Diethyl Ether	3.989	74	85698	28.601	ug/l	90
16) Acetone	4.447	43	157911	56.119	ug/l	96
20) Methylene Chloride	5.295	84	7539	1.431	ug/l	84
27) cis-1,2-Dichloroethene	7.500	96	86333	14.709	ug/l	84
40) Benzene	8.612	78	441489	22.459	ug/l	100
52) Toluene	10.629	92	30536	2.542	ug/l	100
67) Ethyl Benzene	11.965	91	345726	15.233	ug/l	98
68) m/p-Xylenes	12.071	106	35869	4.128	ug/l	97
69) o-Xylene	12.394	106	49970	6.005	ug/l	96
73) Isopropylbenzene	12.694	105	64903	3.062	ug/l	97
78) n-propylbenzene	13.035	91	31390	1.219	ug/l	98
80) 1,3,5-Trimethylbenzene	13.170	105	20865	1.192	ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	103145	5.878	ug/l	97
95) Naphthalene	15.635	128	7672167	351.295	ug/l	100

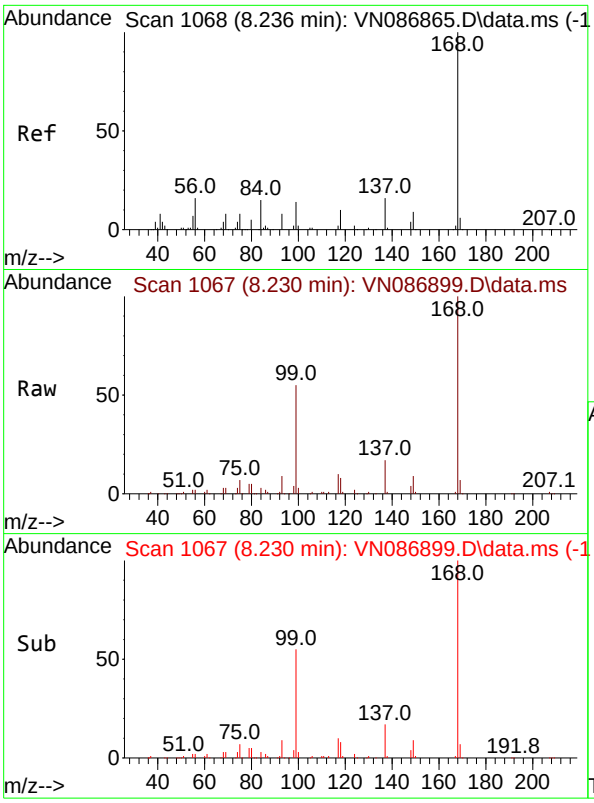
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086899.D
Acq On : 09 Jun 2025 12:59
Operator : JC\MD
Sample : Q2236-09
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Quant Time: Jun 10 03:31:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



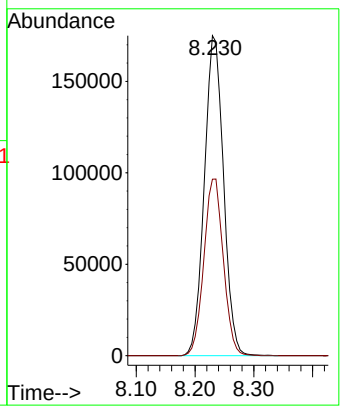


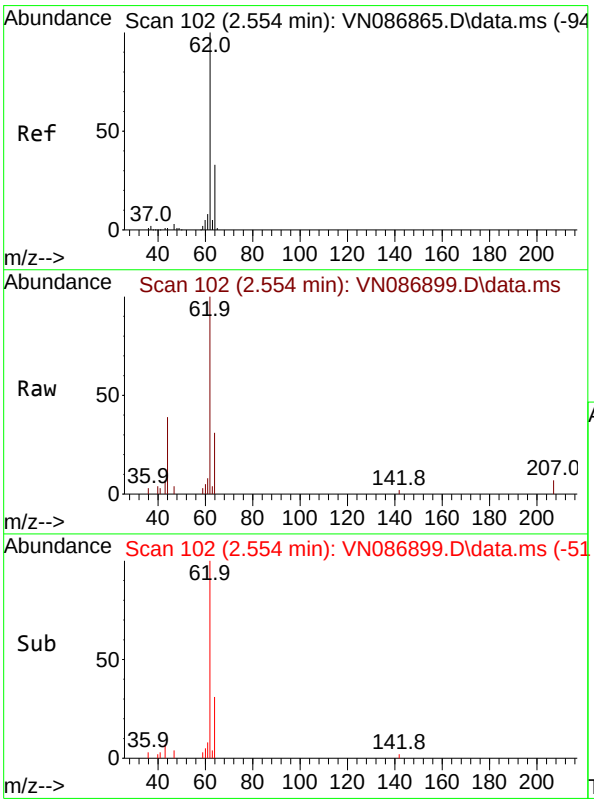
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:168 Resp: 396308

Ion	Ratio	Lower	Upper
168	100		
99	55.2	49.1	73.7

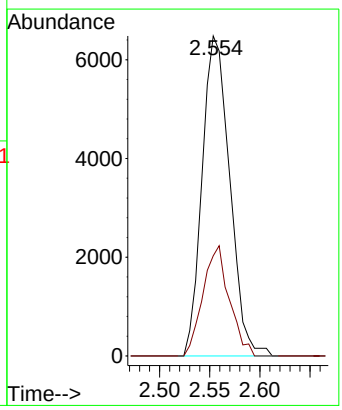


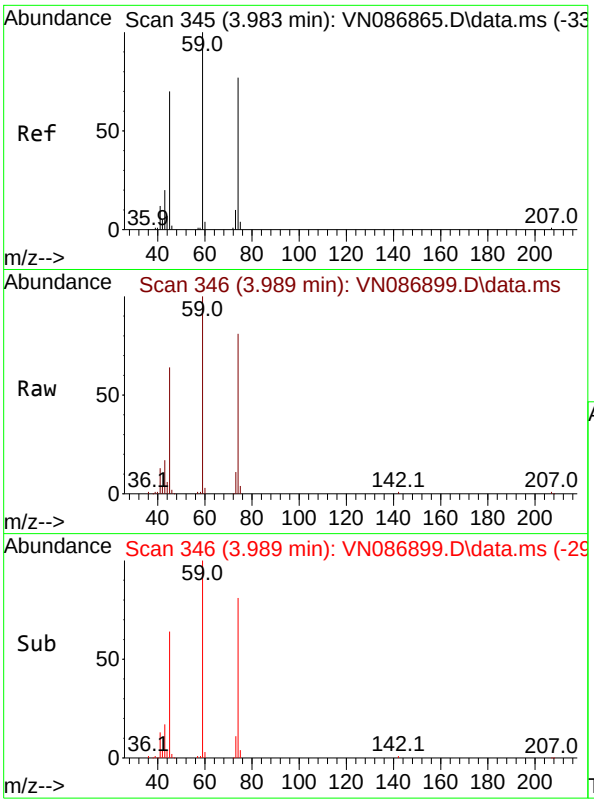


#4
Vinyl Chloride
Concen: 2.359 ug/l
RT: 2.554 min Scan# 102
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 62 Resp: 12417

Ion	Ratio	Lower	Upper
62	100		
64	31.3	26.0	39.0



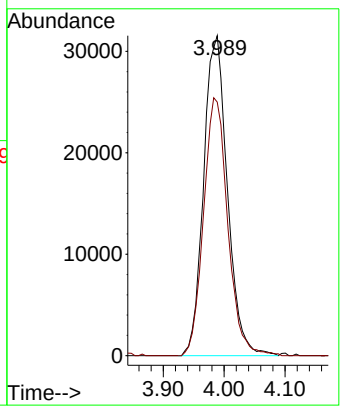


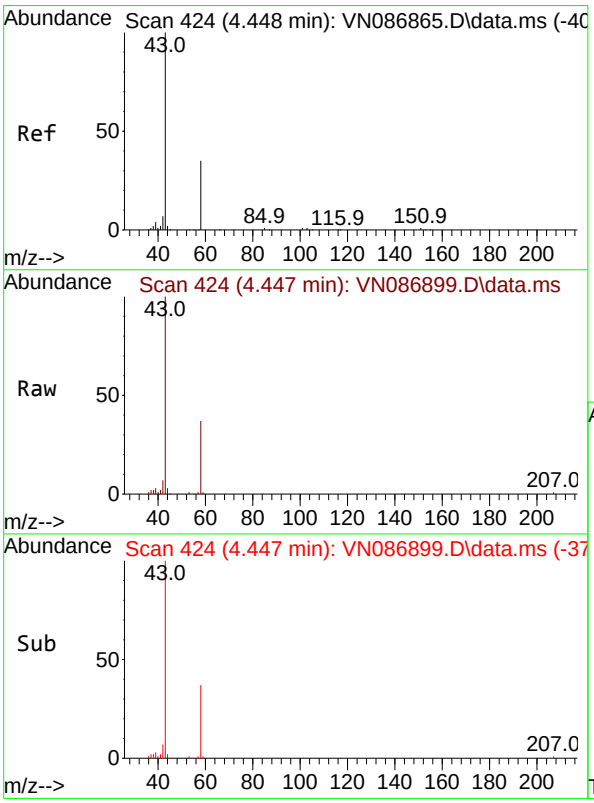
#8
Diethyl Ether
Concen: 28.601 ug/l
RT: 3.989 min Scan# 34
Delta R.T. 0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 74 Resp: 85698

Ion	Ratio	Lower	Upper
74	100		
45	82.0	45.5	136.5

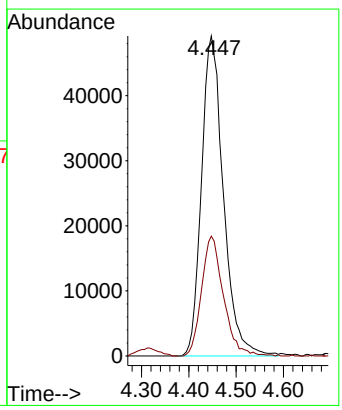


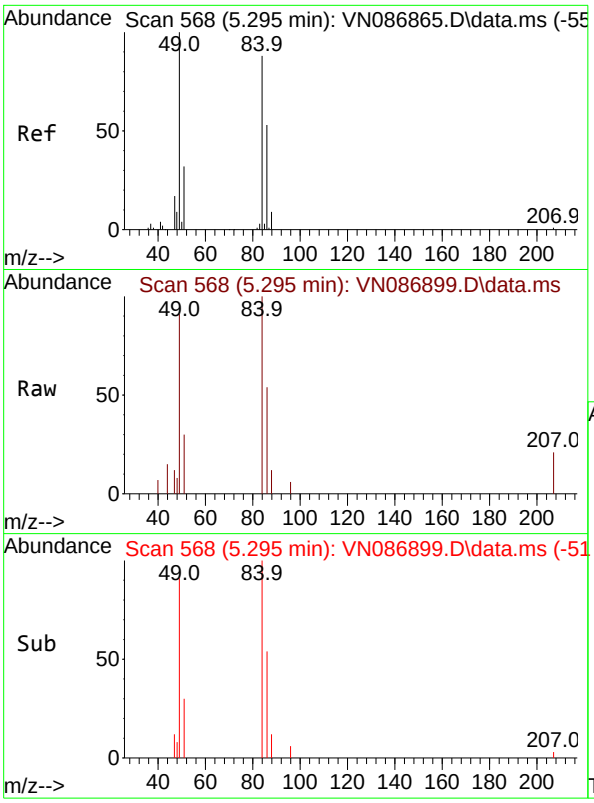


#16
Acetone
Concen: 56.119 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 43 Resp: 157911

Ion	Ratio	Lower	Upper
43	100		
58	37.4	28.0	42.0



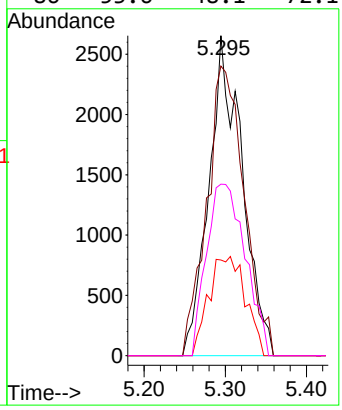


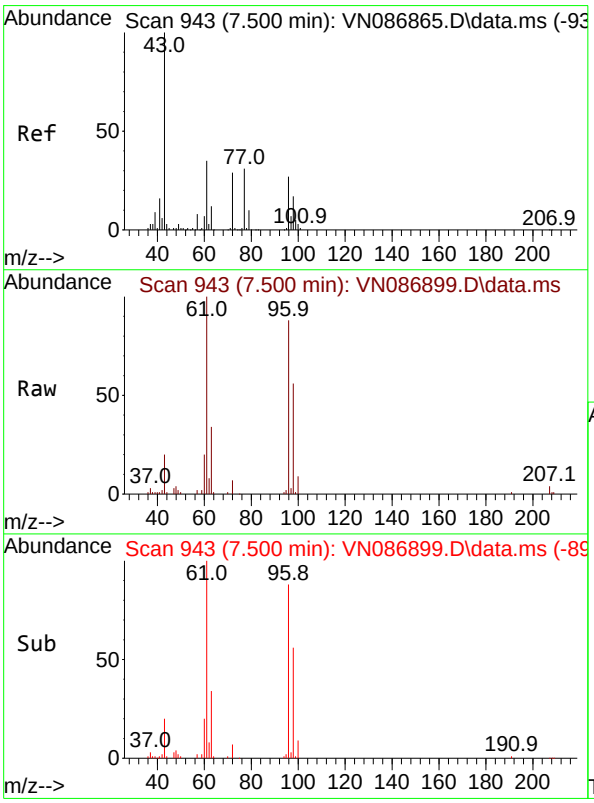
#20
Methylene Chloride
Concen: 1.431 ug/l
RT: 5.295 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 84 Resp: 7539

Ion	Ratio	Lower	Upper
84	100		
49	90.5	90.5	135.7
51	29.9	28.5	42.7
86	53.6	48.1	72.1

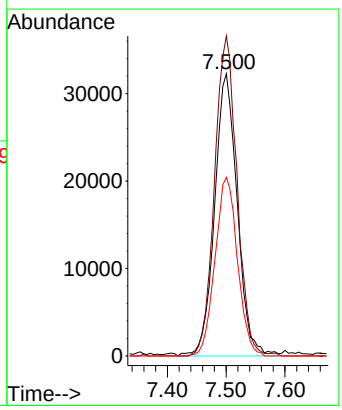


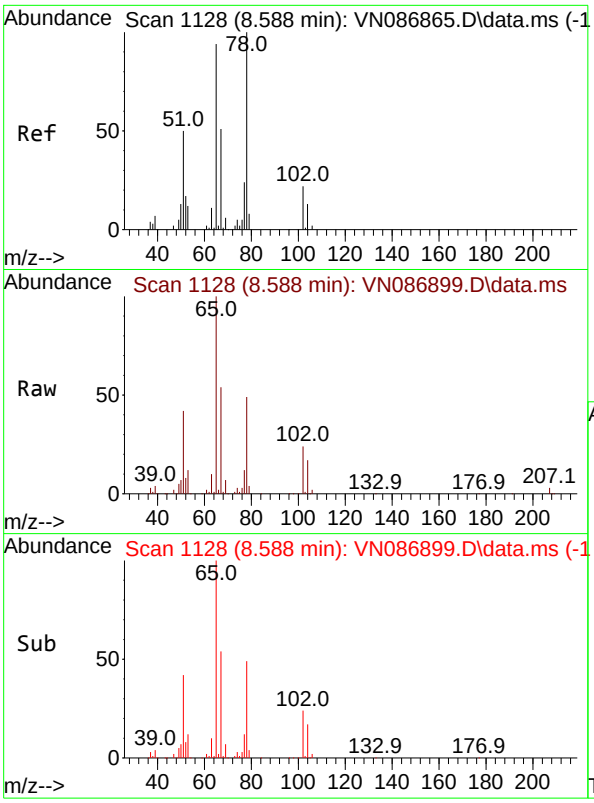


#27
cis-1,2-Dichloroethene
Concen: 14.709 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 96 Resp: 86333

Ion	Ratio	Lower	Upper
96	100		
61	112.5	0.0	278.0
98	62.7	0.0	128.2



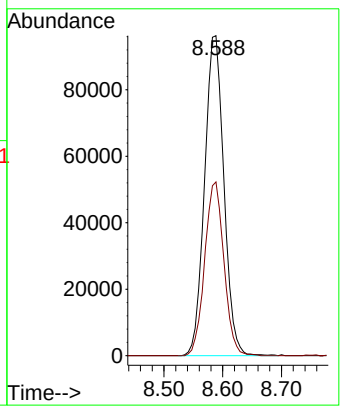


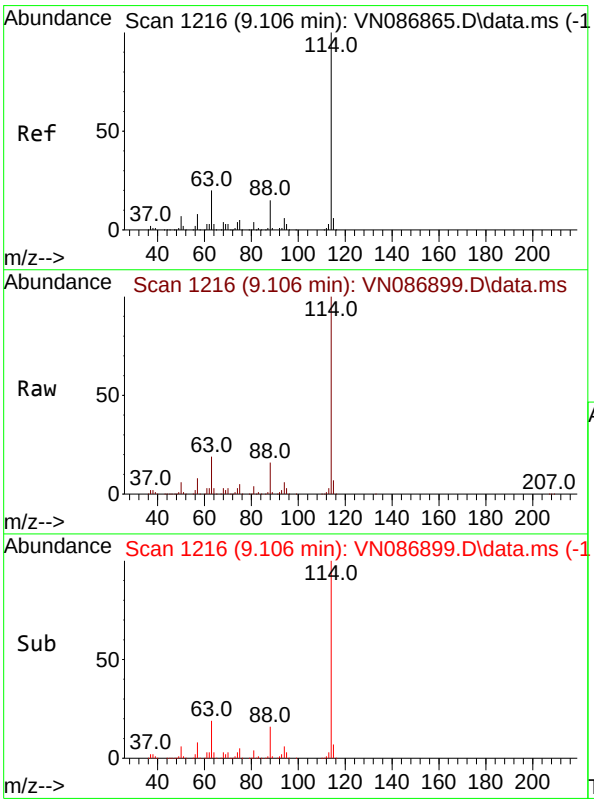
#33
1,2-Dichloroethane-d4
Concen: 41.508 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 65 Resp: 220244

Ion	Ratio	Lower	Upper
65	100		
67	54.0	0.0	105.6

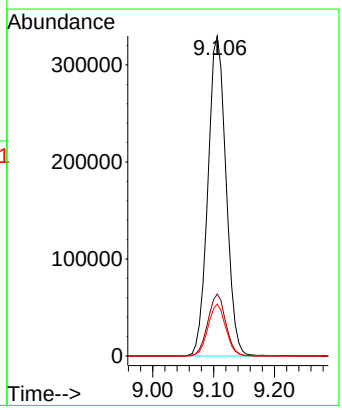


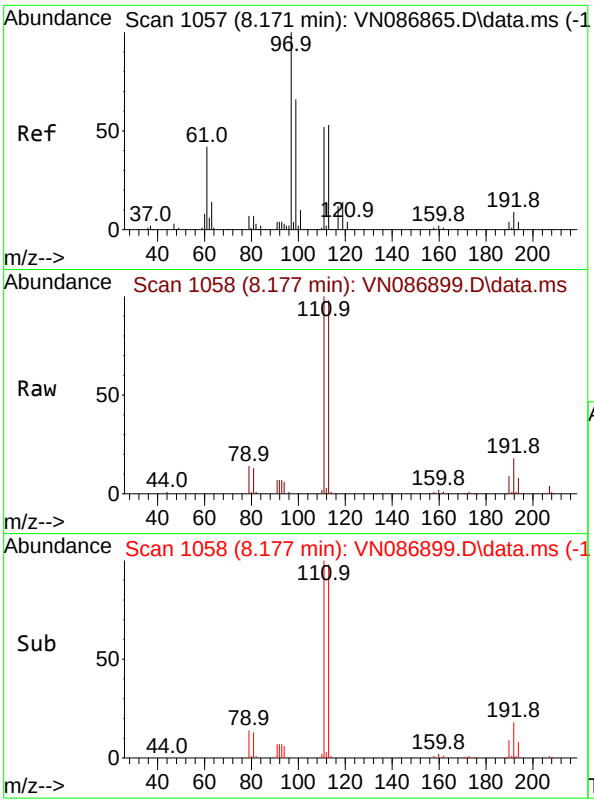


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:114 Resp: 680731

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	16.2	0.0	30.2



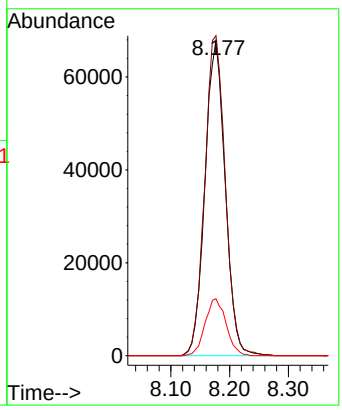


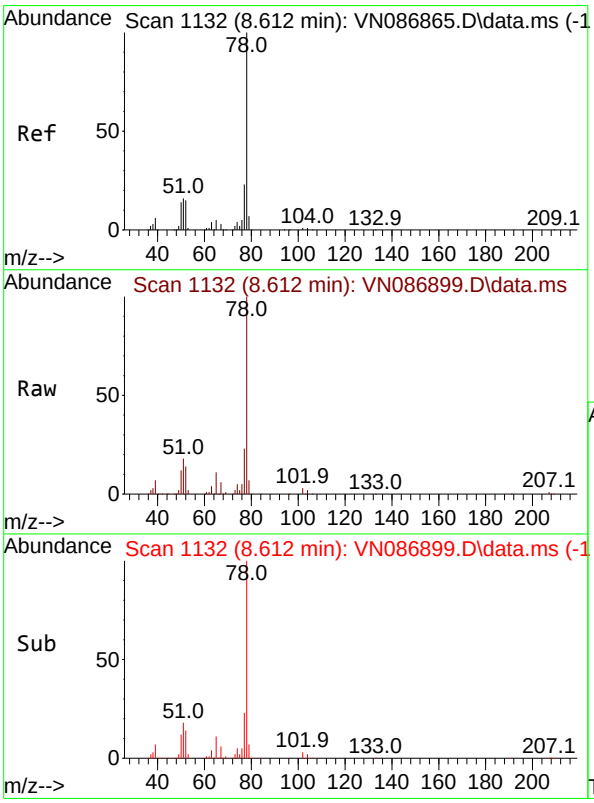
#35
Dibromofluoromethane
Concen: 40.224 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:113 Resp: 162269

Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.2	126.2
192	18.7	14.2	21.4

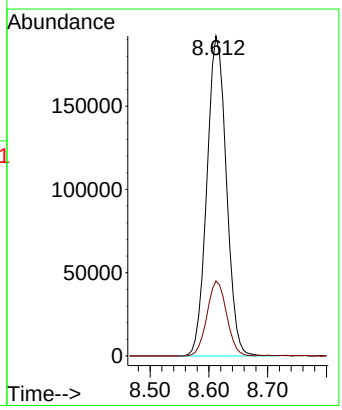


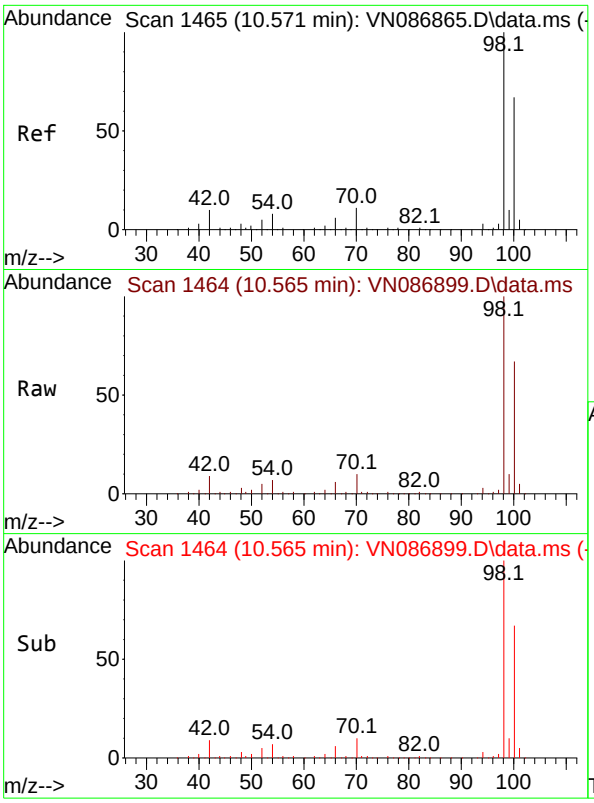


#40
Benzene
Concen: 22.459 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 78 Resp: 441489

Ion	Ratio	Lower	Upper
78	100		
77	23.5	18.7	28.1



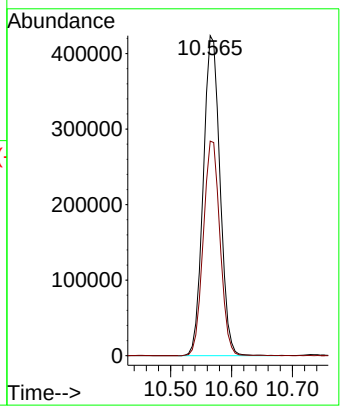


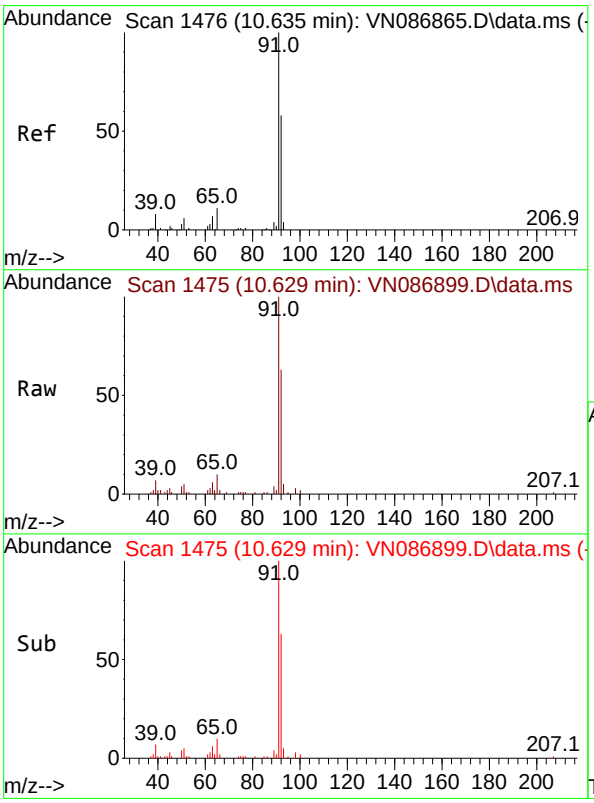
#50
Toluene-d8
Concen: 50.611 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 98 Resp: 808270

Ion	Ratio	Lower	Upper
98	100		
100	67.0	53.4	80.0

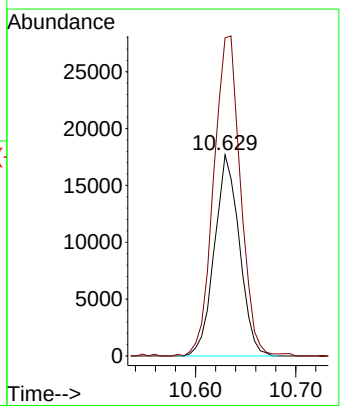


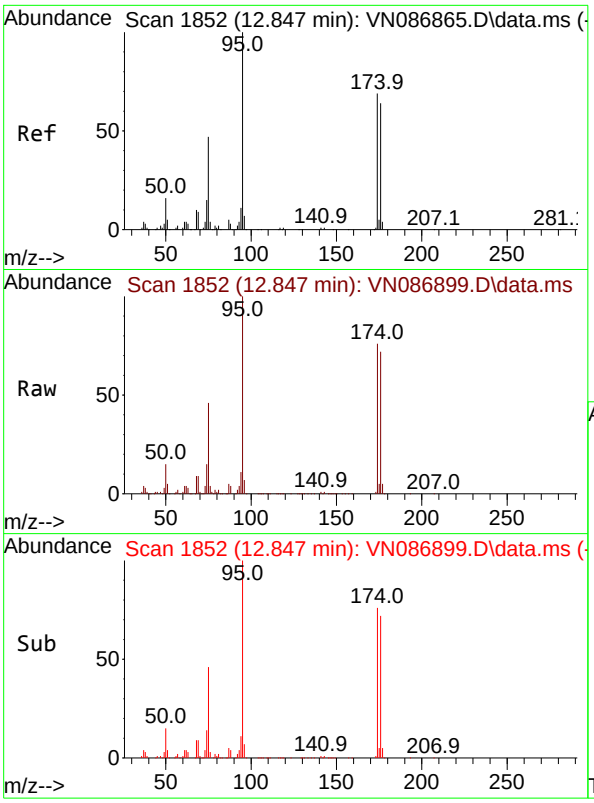


#52
Toluene
Concen: 2.542 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 92 Resp: 30536

Ion	Ratio	Lower	Upper
92	100		
91	171.1	136.5	204.7



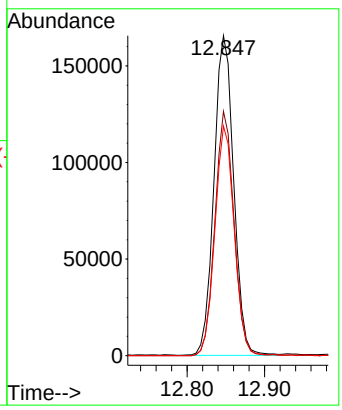


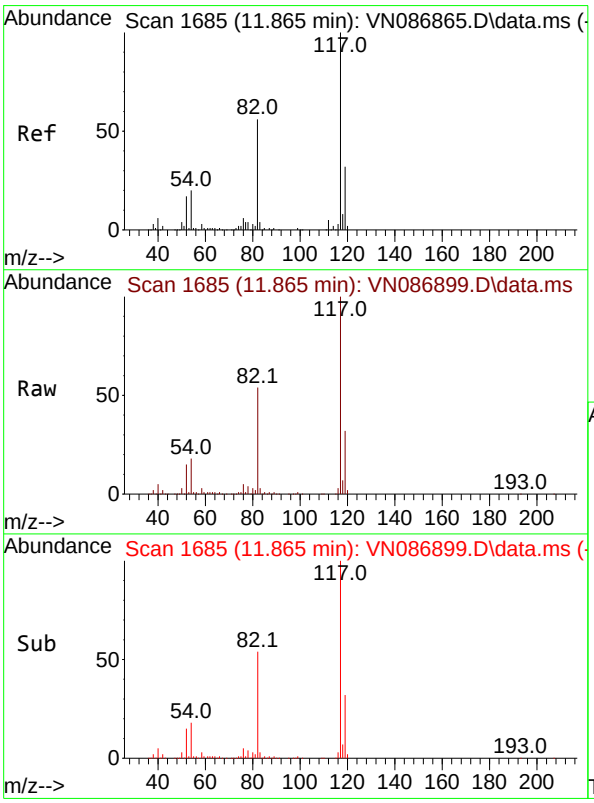
#62
4-Bromofluorobenzene
Concen: 49.247 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 95 Resp: 292203

Ion	Ratio	Lower	Upper
95	100		
174	74.2	0.0	141.8
176	70.7	0.0	132.6

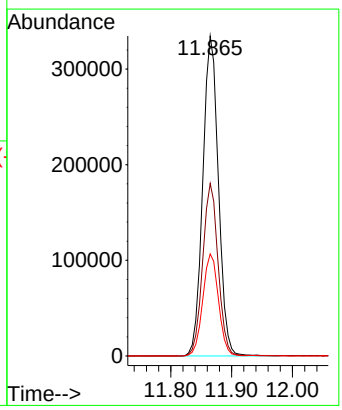


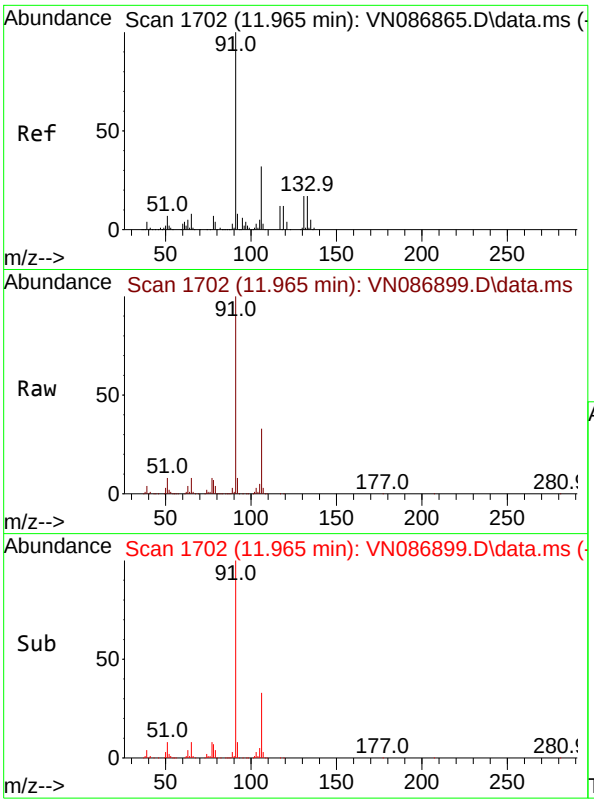


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:117 Resp: 597431

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	31.9	25.5	38.3



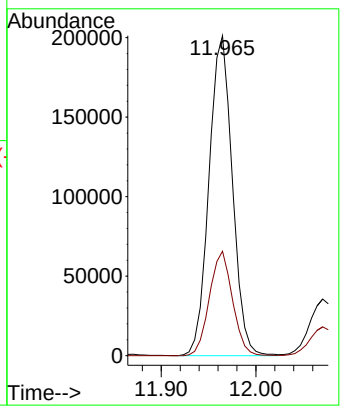


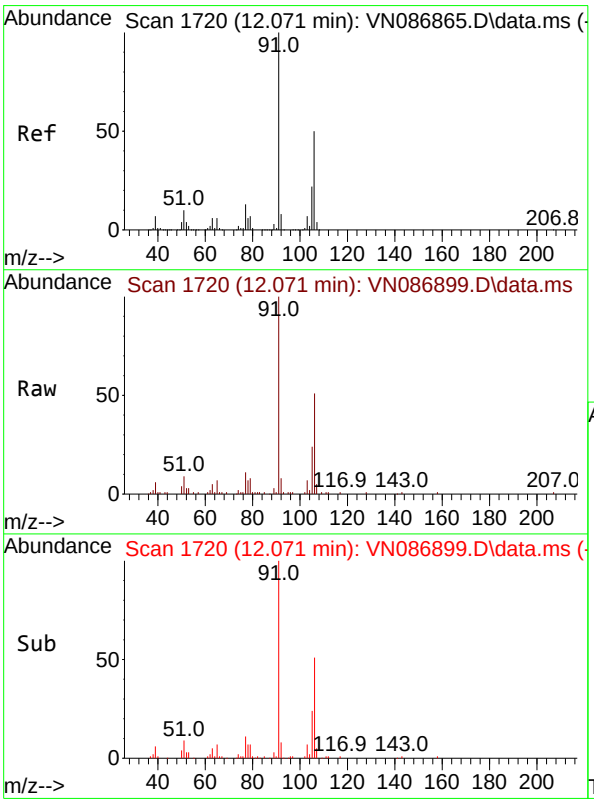
#67
Ethyl Benzene
Concen: 15.233 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion: 91 Resp: 345726

Ion	Ratio	Lower	Upper
91	100		
106	32.7	25.4	38.2

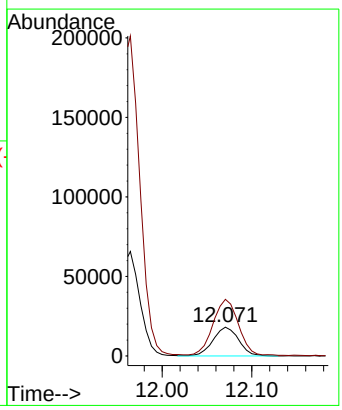


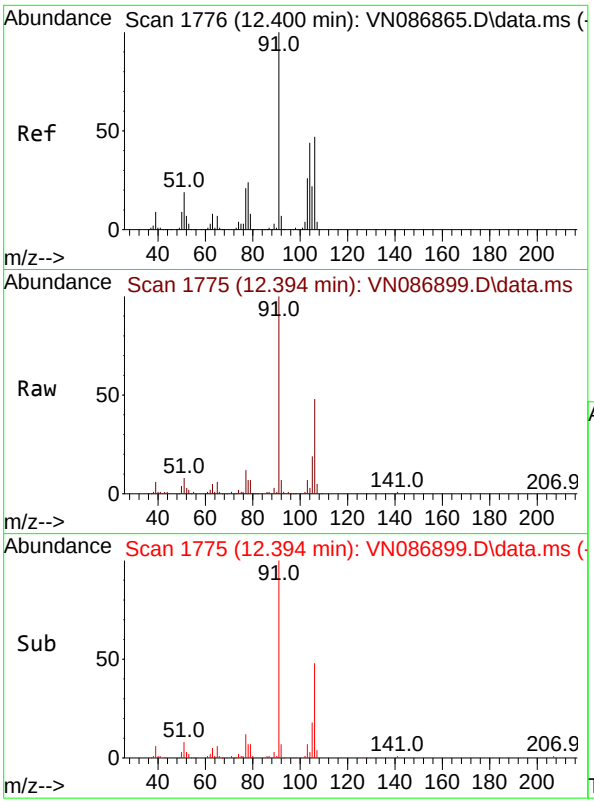


#68
m/p-Xylenes
Concen: 4.128 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:106 Resp: 35869

Ion	Ratio	Lower	Upper
106	100		
91	195.2	159.4	239.0



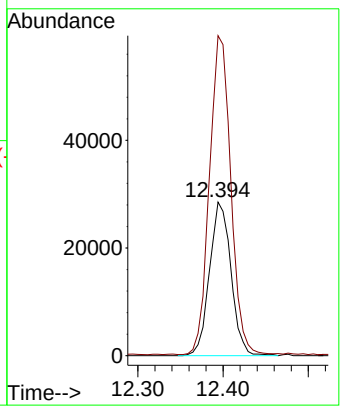


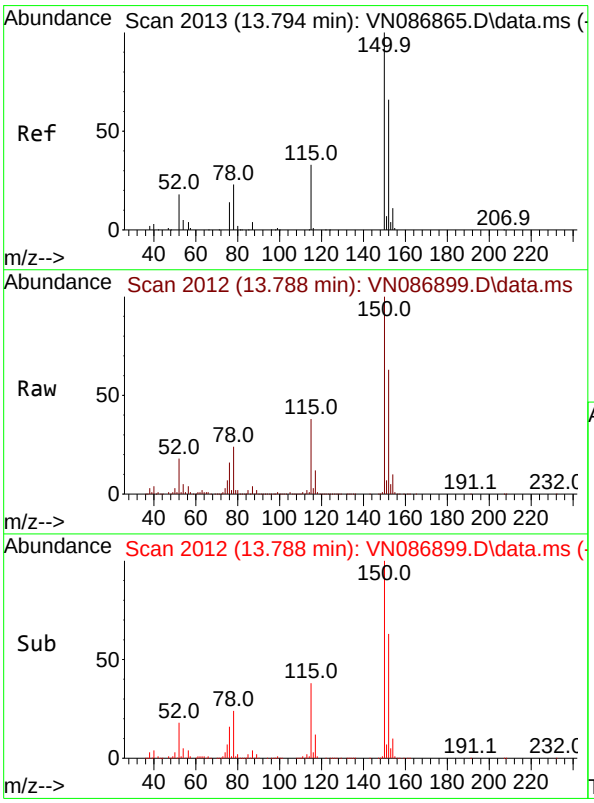
#69
o-Xylene
Concen: 6.005 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:106 Resp: 49970

Ion	Ratio	Lower	Upper
106	100		
91	206.5	106.1	318.1

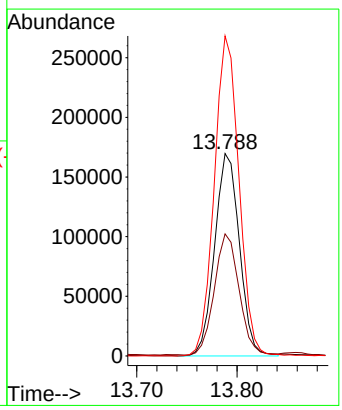


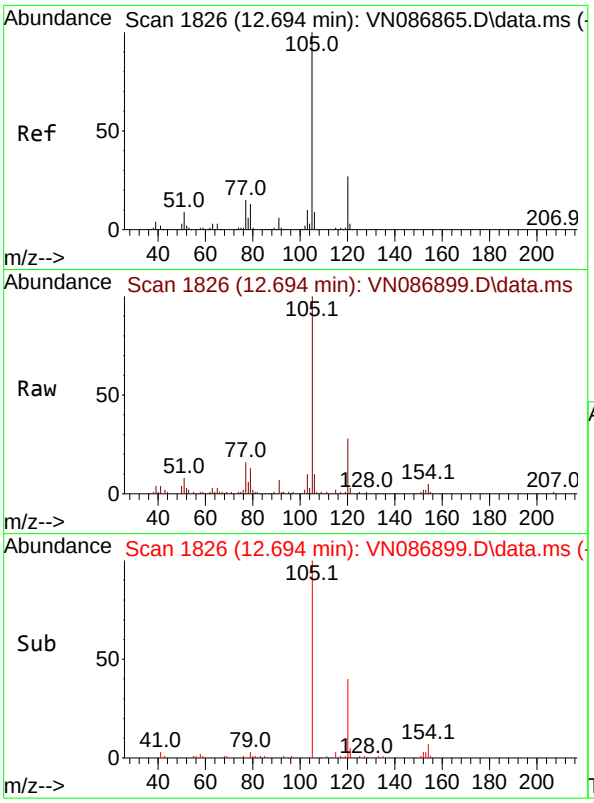


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:152 Resp: 290954

Ion	Ratio	Lower	Upper
152	100		
115	59.5	30.1	90.5
150	157.4	0.0	345.0



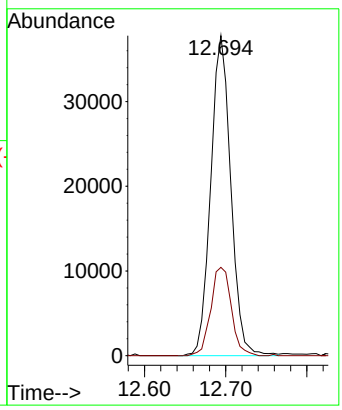


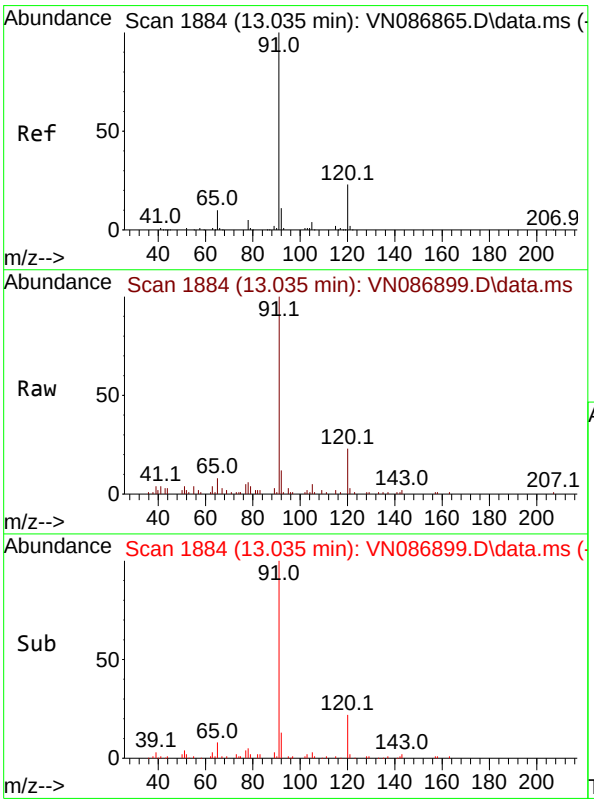
#73
Isopropylbenzene
Concen: 3.062 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:105 Resp: 64903

Ion	Ratio	Lower	Upper
105	100		
120	28.3	13.5	40.4

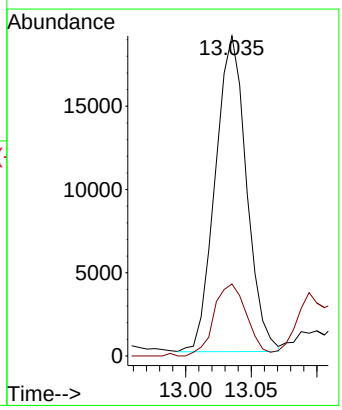


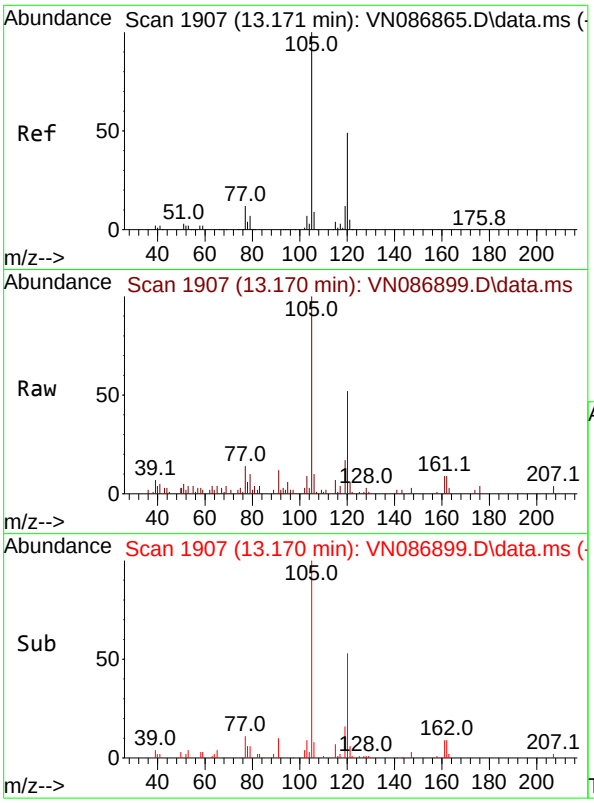


#78
n-propylbenzene
Concen: 1.219 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion: 91 Resp: 31390

Ion	Ratio	Lower	Upper
91	100		
120	23.9	11.4	34.2



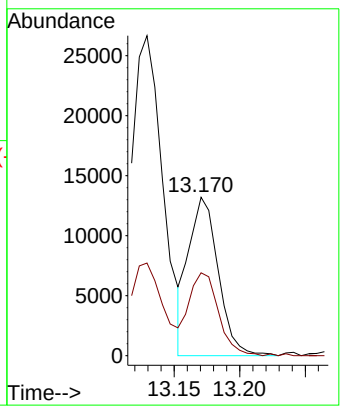


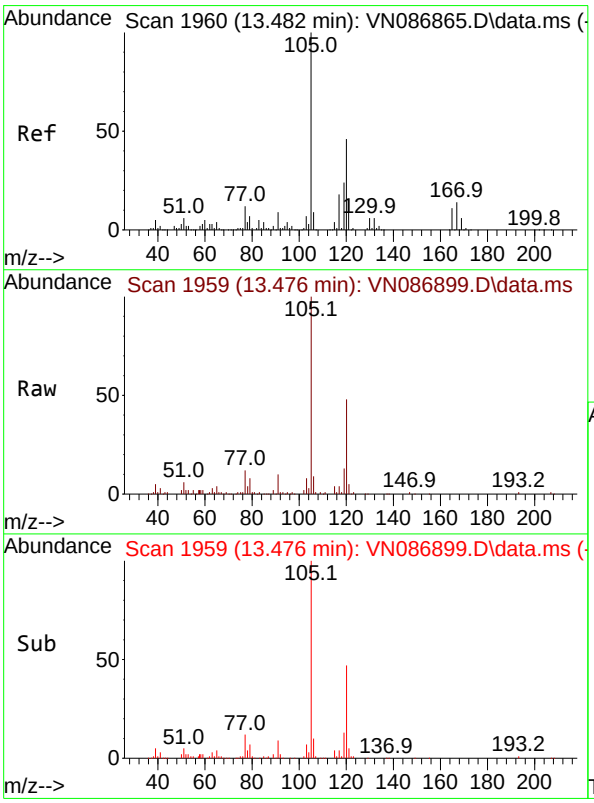
#80
1,3,5-Trimethylbenzene
Concen: 1.192 ug/l
RT: 13.170 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:105 Resp: 20865

Ion	Ratio	Lower	Upper
105	100		
120	52.0	24.9	74.6

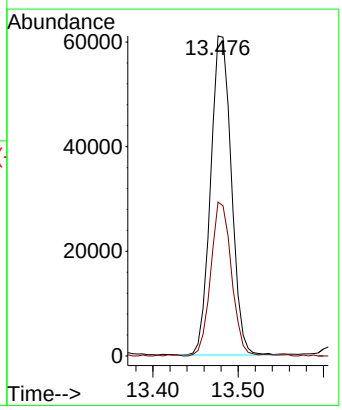


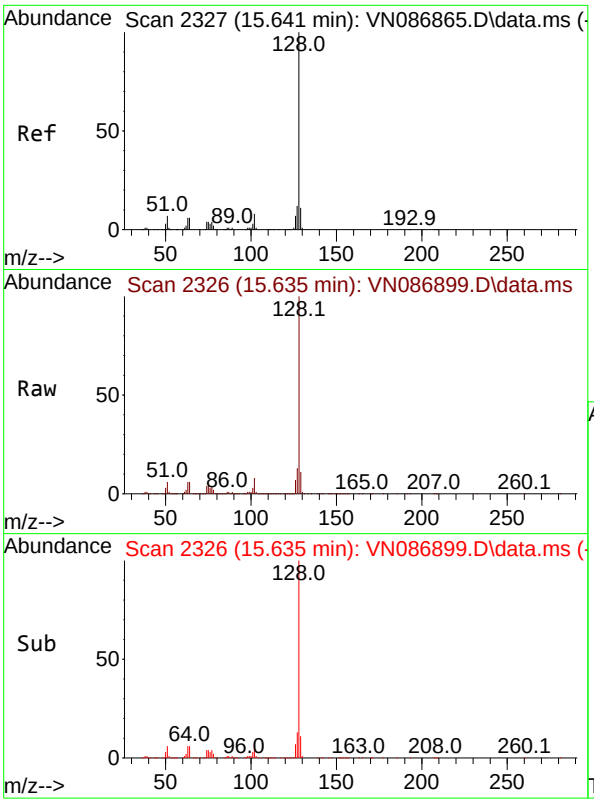


#84
1,2,4-Trimethylbenzene
Concen: 5.878 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Tgt Ion:105 Resp: 103145

Ion	Ratio	Lower	Upper
105	100		
120	48.5	23.2	69.6



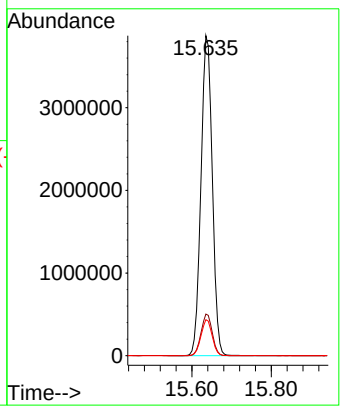


#95
Naphthalene
Concen: 351.295 ug/l
RT: 15.635 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086899.D
Acq: 09 Jun 2025 12:59

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-05-G

Tgt Ion:128 Resp: 7672167

Ion	Ratio	Lower	Upper
128	100		
127	12.8	10.2	15.2
129	11.1	8.8	13.2



Raw Data: **VX046554.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-06-G	SDG No.:	Q2236
Lab Sample ID:	Q2236-13	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046554.D	1		06/07/25 04:09	VX060625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.2		70 (74) - 130 (125)	92%	SPK: 50
1868-53-7	Dibromofluoromethane	41.7		70 (75) - 130 (124)	83%	SPK: 50
2037-26-5	Toluene-d8	52.6		70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.0		70 (77) - 130 (121)	118%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	110000	5.568			
540-36-3	1,4-Difluorobenzene	212000	6.775			
3114-55-4	Chlorobenzene-d5	221000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	117000	12.024			

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_X\Data\VX060625\
Data File : VX046554.D
Acq On : 07 Jun 2025 04:09
Operator : JC/MD
Sample : Q2236-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Quant Time: Jun 07 05:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

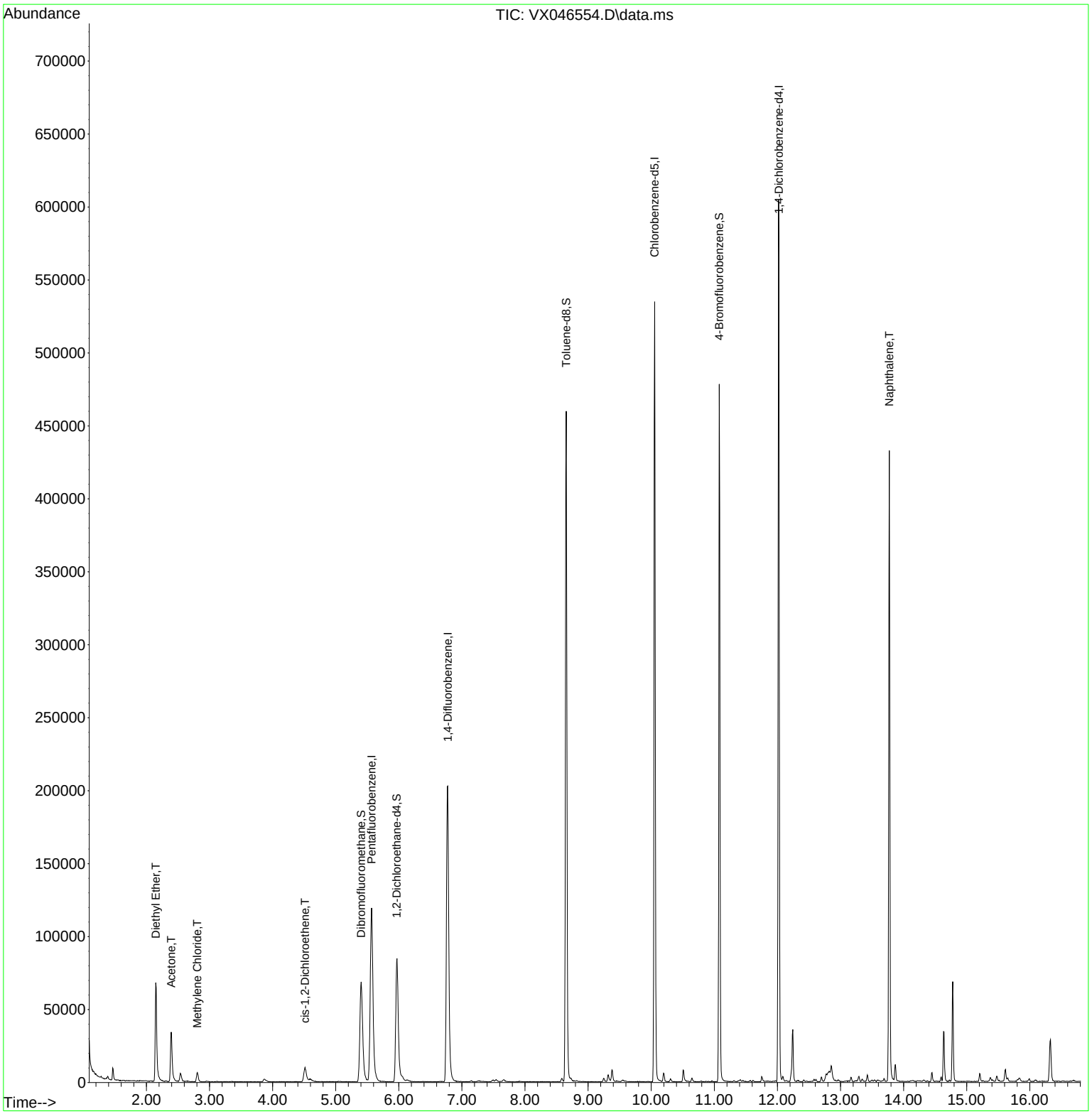
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	110472	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	211587	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	221449	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	117146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	90730	46.163	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.320%			
35) Dibromofluoromethane	5.403	113	64811	41.652	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 83.300%			
50) Toluene-d8	8.653	98	269634	52.561	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.120%			
62) 4-Bromofluorobenzene	11.079	95	125275	59.023	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 118.040%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	27331	33.596	ug/l	91
16) Acetone	2.392	43	43087	59.395	ug/l	95
20) Methylene Chloride	2.806	84	3120	1.979	ug/l	86
27) cis-1,2-Dichloroethene	4.513	96	6727	3.937	ug/l	86
95) Naphthalene	13.774	128	253298	29.225	ug/l	100

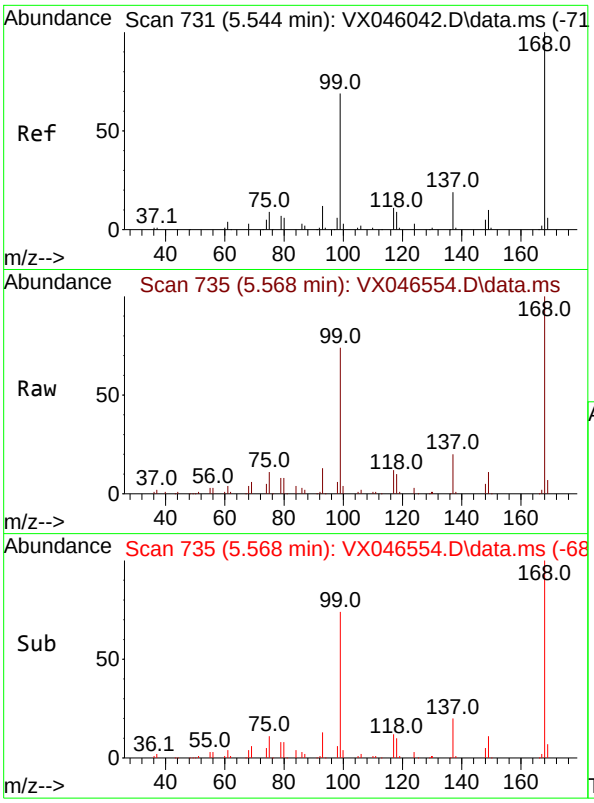
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046554.D
Acq On : 07 Jun 2025 04:09
Operator : JC/MD
Sample : Q2236-13
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 43 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Quant Time: Jun 07 05:25:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



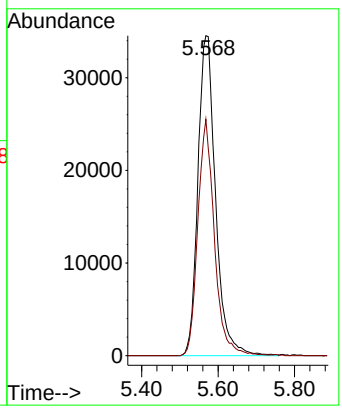


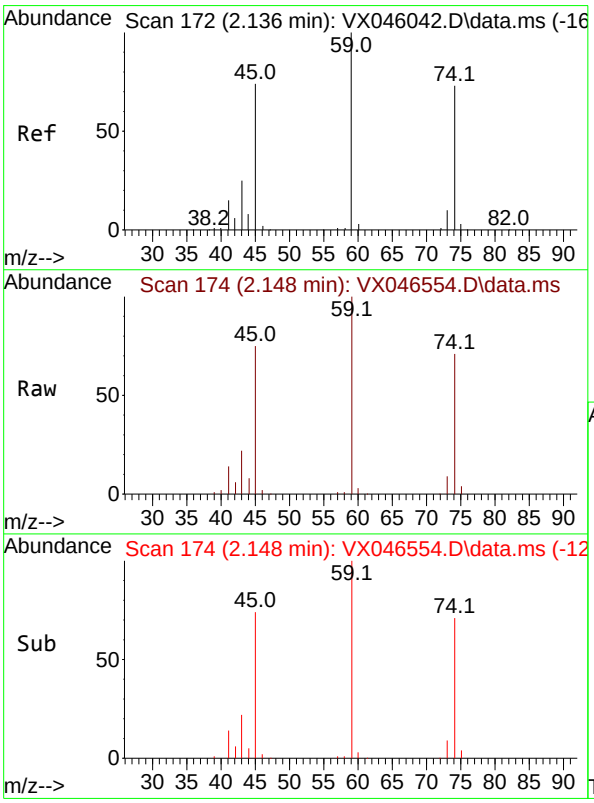
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion:168 Resp: 110472

Ion	Ratio	Lower	Upper
168	100		
99	73.9	54.9	82.3

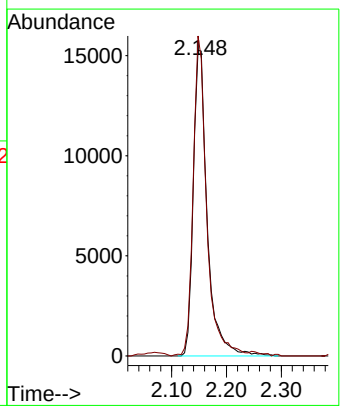


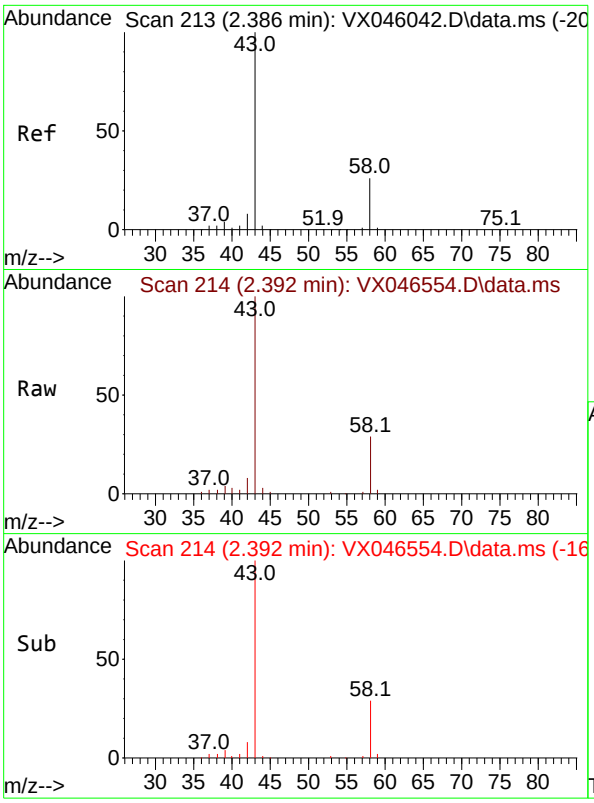


#8
Diethyl Ether
Concen: 33.596 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 74 Resp: 27331

Ion	Ratio	Lower	Upper
74	100		
45	100.6	54.9	164.8



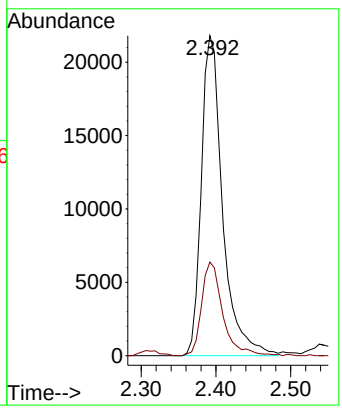


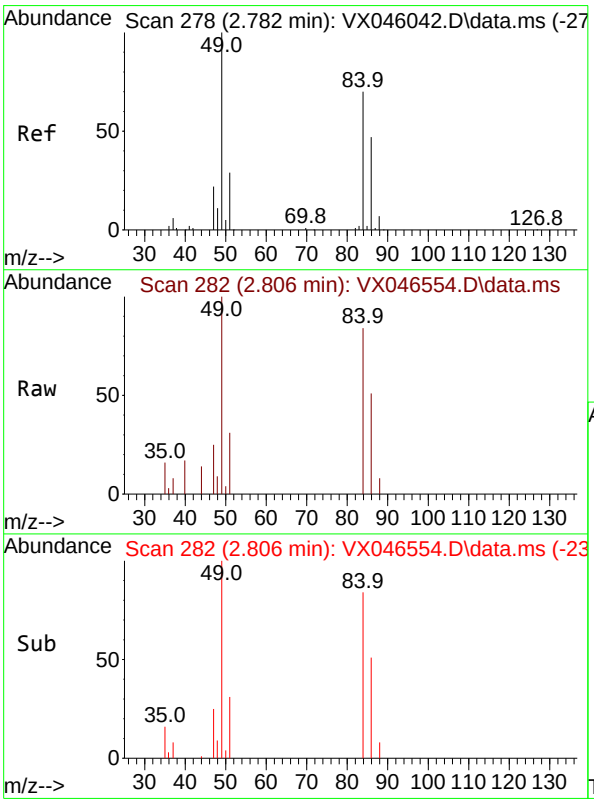
#16
Acetone
Concen: 59.395 ug/l
RT: 2.392 min Scan# 21
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion: 43 Resp: 43087

Ion	Ratio	Lower	Upper
43	100		
58	29.3	21.2	31.8

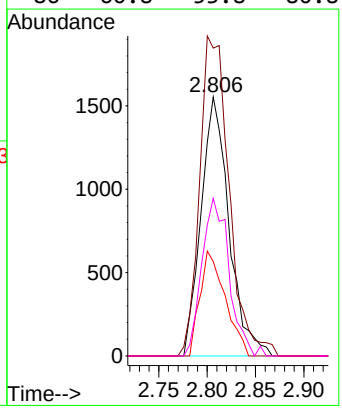


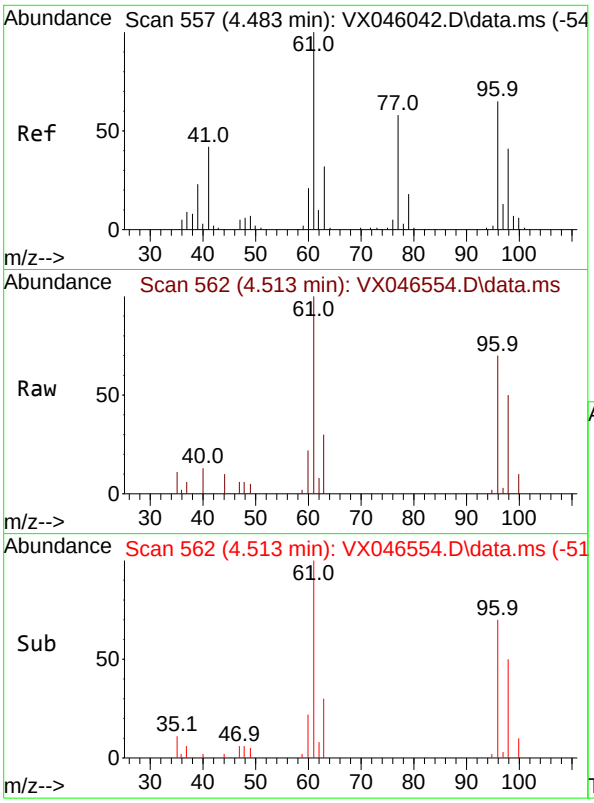


#20
Methylene Chloride
Concen: 1.979 ug/l
RT: 2.806 min Scan# 282
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 84 Resp: 3120

Ion	Ratio	Lower	Upper
84	100		
49	118.9	113.9	170.9
51	36.4	33.5	50.3
86	60.8	53.8	80.8



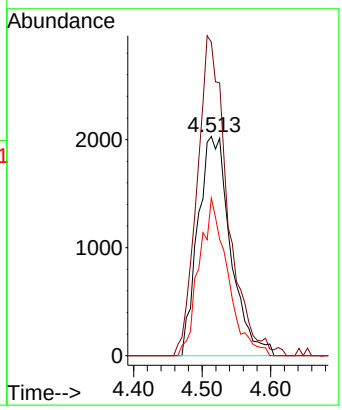


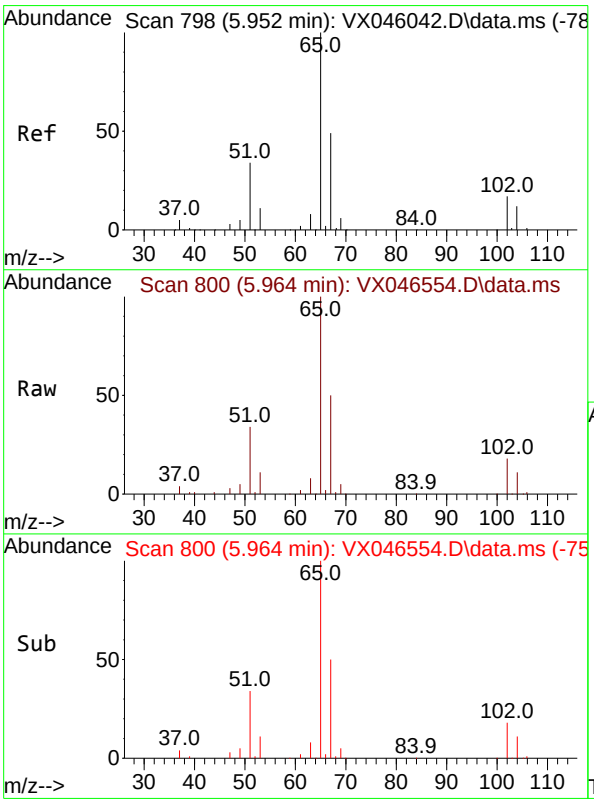
#27
cis-1,2-Dichloroethene
Concen: 3.937 ug/l
RT: 4.513 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion: 96 Resp: 6727

Ion	Ratio	Lower	Upper
96	100		
61	136.0	0.0	322.8
98	62.7	0.0	129.0

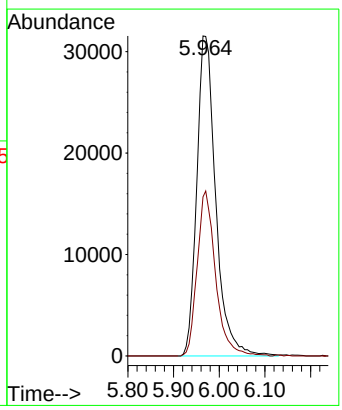


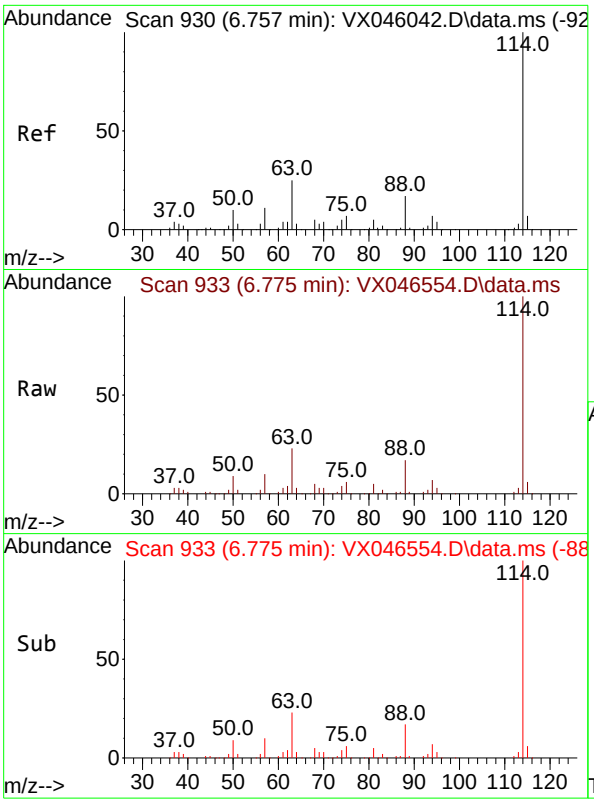


#33
1,2-Dichloroethane-d4
Concen: 46.163 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.006 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 65 Resp: 90730

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	99.0



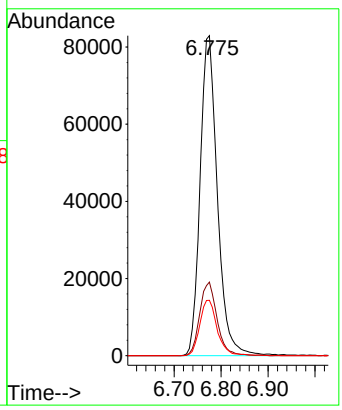


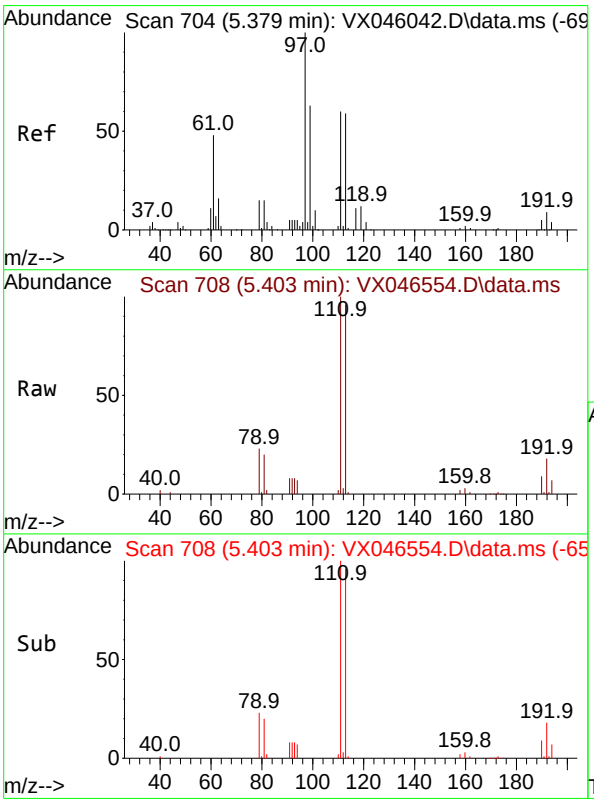
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion:114 Resp: 211587

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	49.2
88	17.3	0.0	33.6

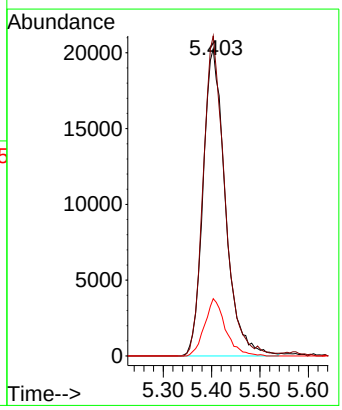


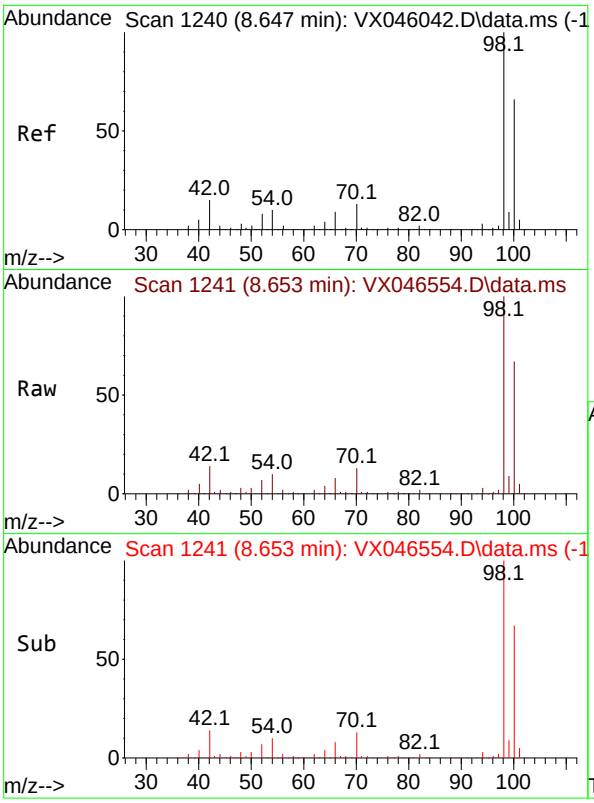


#35
Dibromofluoromethane
Concen: 41.652 ug/l
RT: 5.403 min Scan# 708
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion:113 Resp: 64811

Ion	Ratio	Lower	Upper
113	100		
111	101.5	83.1	124.7
192	17.6	13.3	19.9



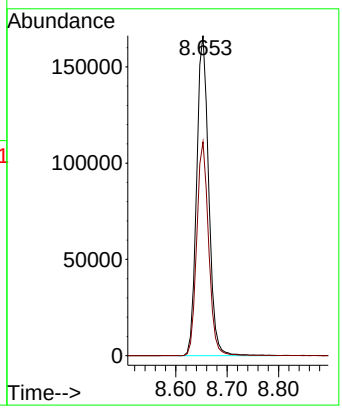


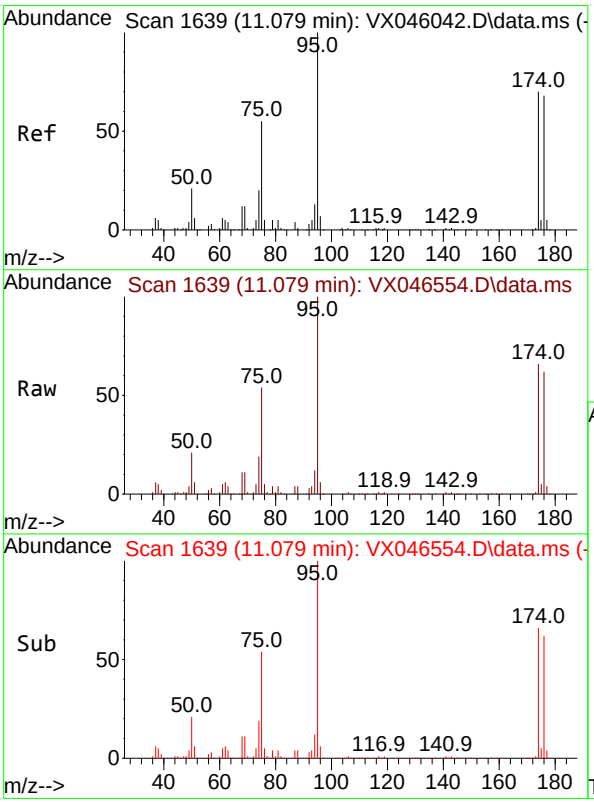
#50
Toluene-d8
Concen: 52.561 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion: 98 Resp: 269634

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.5	80.3

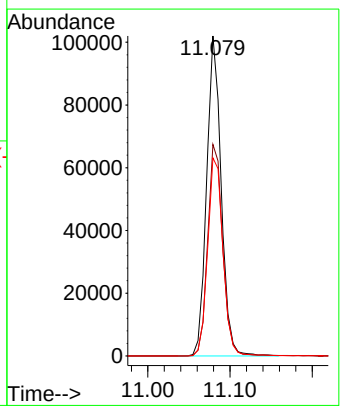


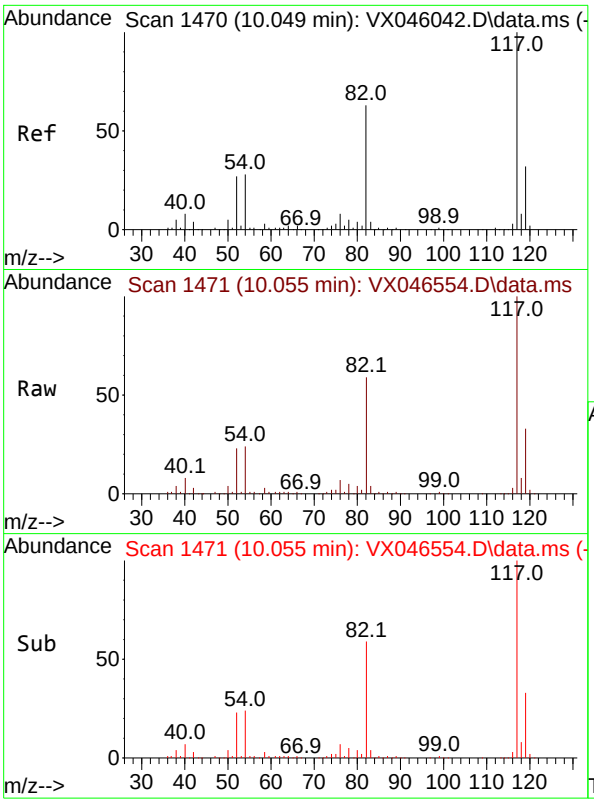


#62
4-Bromofluorobenzene
Concen: 59.023 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion: 95 Resp: 125275

Ion	Ratio	Lower	Upper
95	100		
174	68.5	0.0	135.8
176	65.5	0.0	131.4



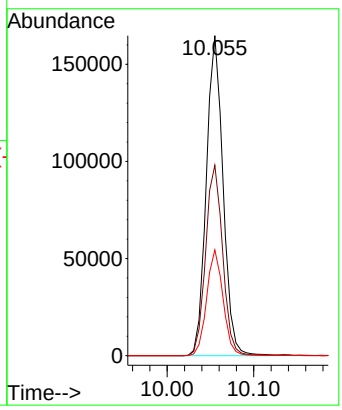


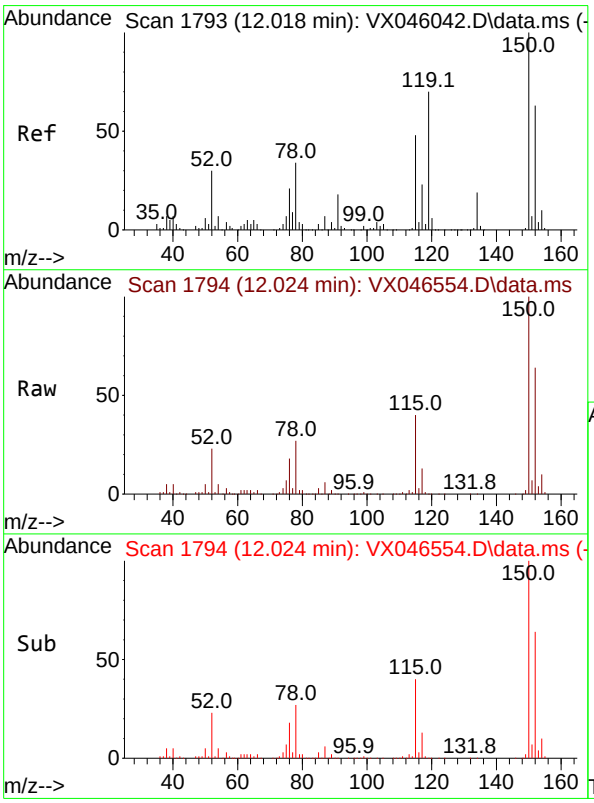
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion:117 Resp: 221449

Ion	Ratio	Lower	Upper
117	100		
82	59.5	50.6	76.0
119	33.0	25.8	38.6

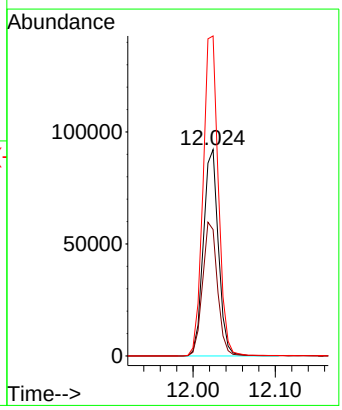


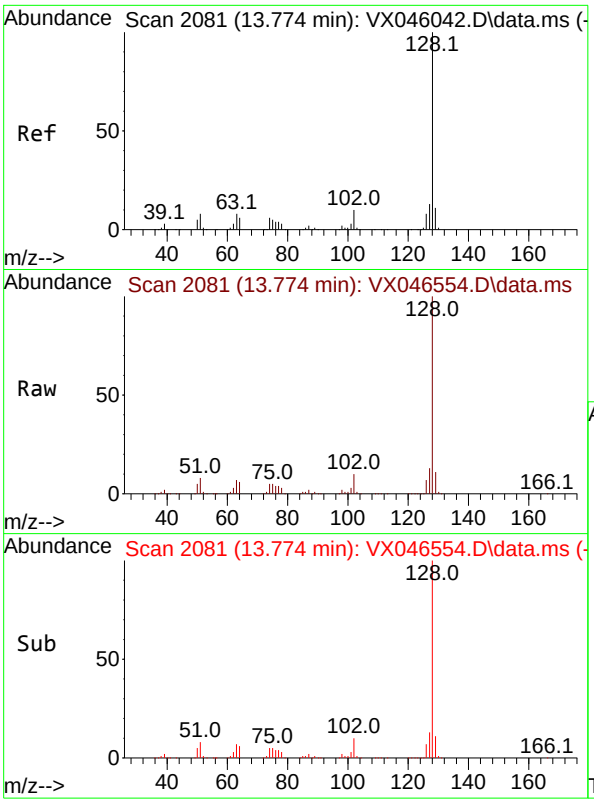


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.024 min Scan# 1794
Delta R.T. 0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Tgt Ion:152 Resp: 117146

Ion	Ratio	Lower	Upper
152	100		
115	64.4	46.9	140.7
150	157.7	0.0	351.0



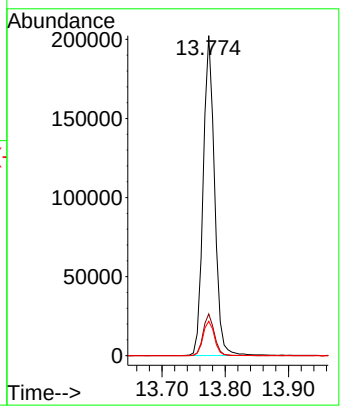


#95
Naphthalene
Concen: 29.225 ug/l
RT: 13.774 min Scan# 2
Delta R.T. -0.000 min
Lab File: VX046554.D
Acq: 07 Jun 2025 04:09

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-06-G

Tgt Ion:128 Resp: 253298

Ion	Ratio	Lower	Upper
128	100		
127	12.9	10.4	15.6
129	11.0	8.6	13.0



Raw Data: **VX046555.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-07-G	SDG No.:	Q2236
Lab Sample ID:	Q2236-17	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046555.D	1		06/07/25 04:31	VX060625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.063		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.5		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	34.9		70 (75) - 130 (124)	70%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (86) - 130 (113)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.1		70 (77) - 130 (121)	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	120000	5.568			
540-36-3	1,4-Difluorobenzene	229000	6.775			
3114-55-4	Chlorobenzene-d5	242000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	121000	12.018			

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_X\Data\VX060625\
Data File : VX046555.D
Acq On : 07 Jun 2025 04:31
Operator : JC/MD
Sample : Q2236-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Quant Time: Jun 07 05:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

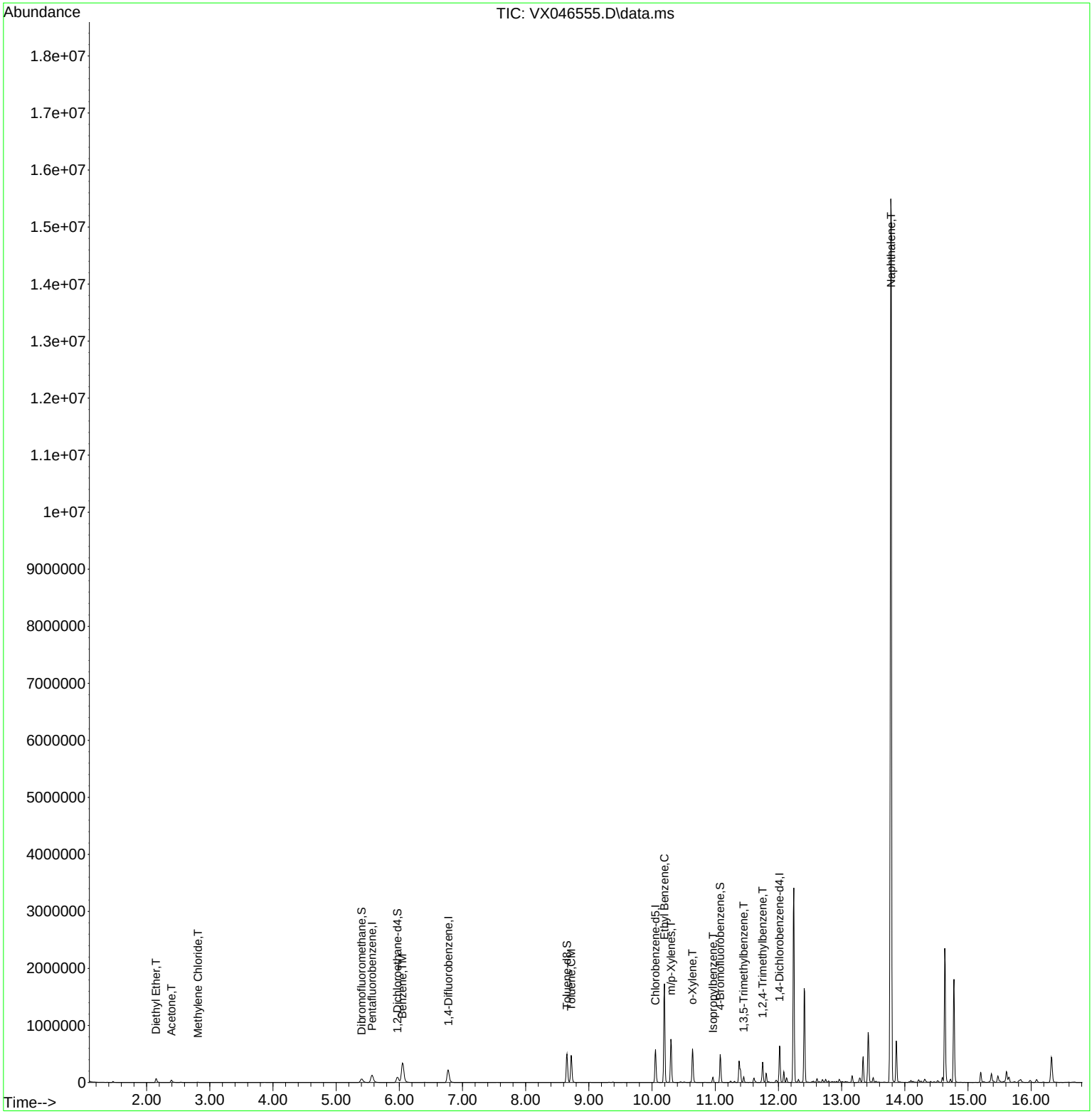
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	119993	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	228870	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	241518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	121477	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	101404	47.501	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.000%			
35) Dibromofluoromethane	5.403	113	58738	34.899	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 69.800%#			
50) Toluene-d8	8.653	98	293116	52.823	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.640%			
62) 4-Bromofluorobenzene	11.079	95	133450	58.126	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 116.260%			
Target Compounds						Qvalue
8) Diethyl Ether	2.148	74	27604	31.239	ug/l	93
16) Acetone	2.391	43	52524	66.097	ug/l	99
20) Methylene Chloride	2.812	84	2744	1.602	ug/l #	79
40) Benzene	6.049	78	425637	62.888	ug/l	99
52) Toluene	8.720	92	177358	42.654	ug/l	99
67) Ethyl Benzene	10.195	91	960531	96.864	ug/l	98
68) m/p-Xylenes	10.299	106	164878	45.836	ug/l	100
69) o-Xylene	10.640	106	114888	33.020	ug/l	99
73) Isopropylbenzene	10.963	105	45915	4.808	ug/l	100
80) 1,3,5-Trimethylbenzene	11.451	105	43065	5.412	ug/l	98
84) 1,2,4-Trimethylbenzene	11.750	105	151023	18.761	ug/l	98
95) Naphthalene	13.786	128	9909635	1102.595	ug/l	97

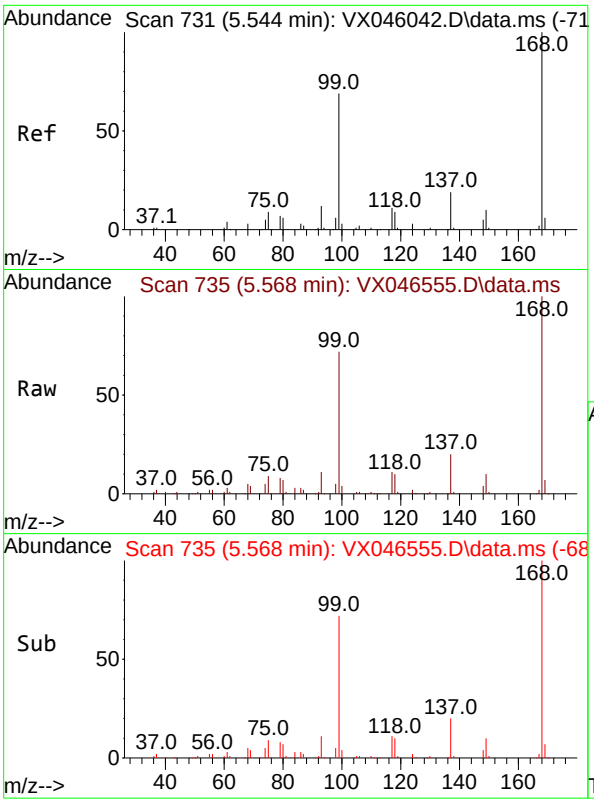
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046555.D
Acq On : 07 Jun 2025 04:31
Operator : JC/MD
Sample : Q2236-17
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 44 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Quant Time: Jun 07 05:25:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



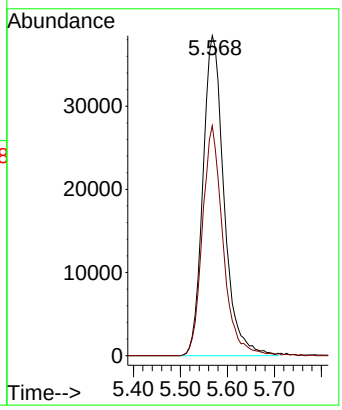


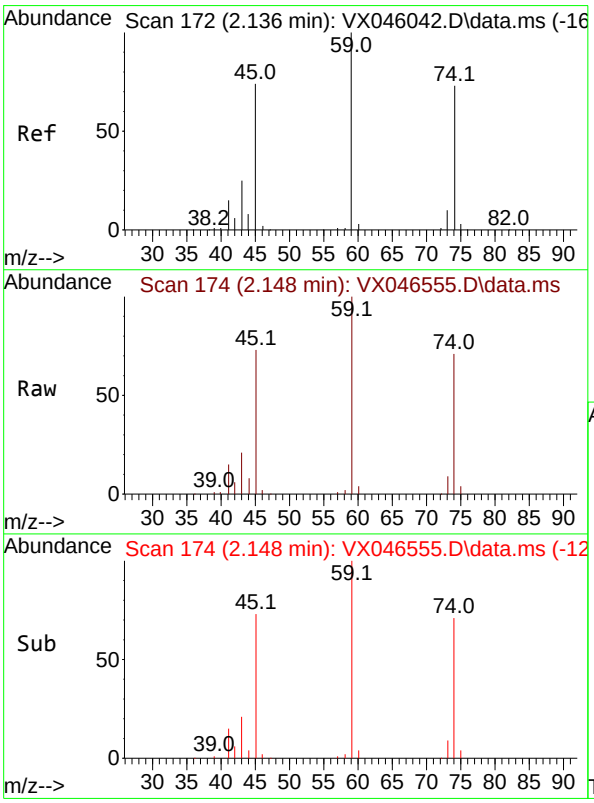
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion:168 Resp: 119993

Ion	Ratio	Lower	Upper
168	100		
99	71.9	54.9	82.3

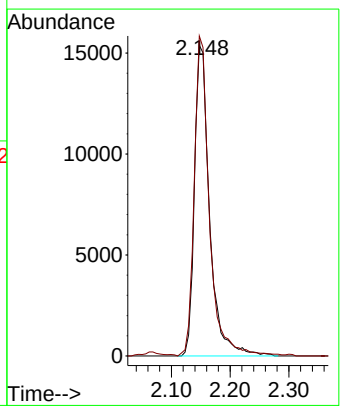


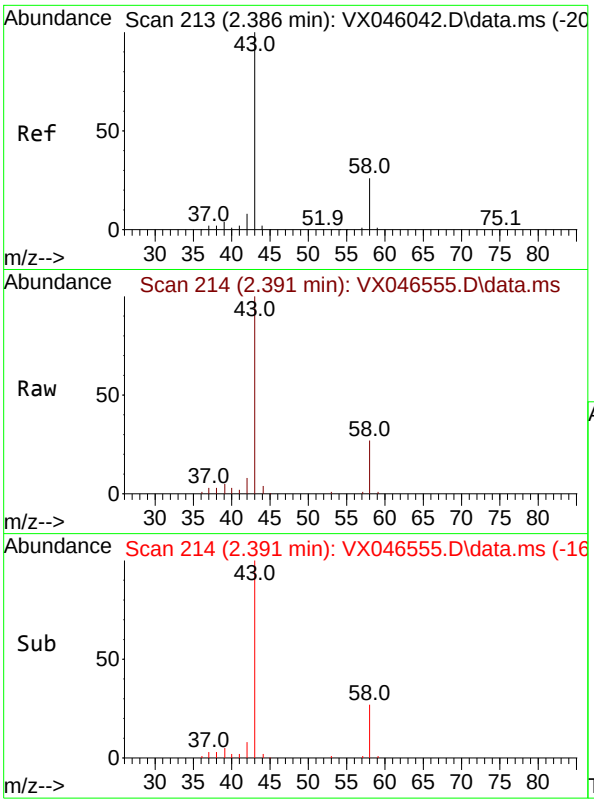


#8
Diethyl Ether
Concen: 31.239 ug/l
RT: 2.148 min Scan# 174
Delta R.T. -0.006 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion: 74 Resp: 27604

Ion	Ratio	Lower	Upper
74	100		
45	102.9	54.9	164.8



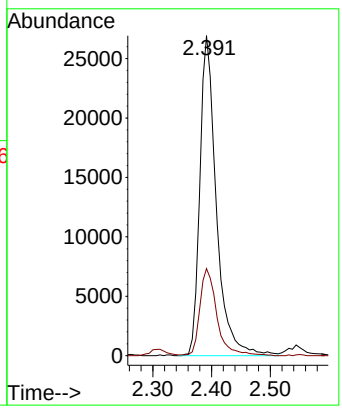


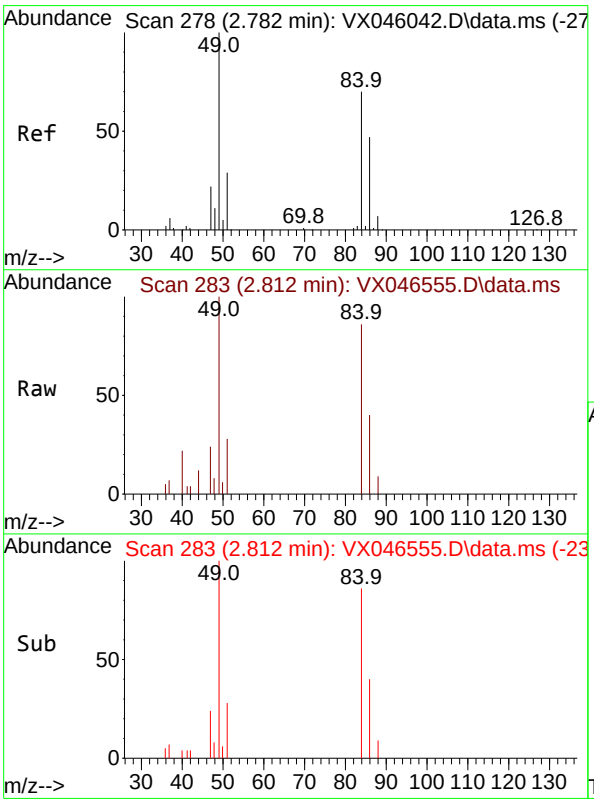
#16
Acetone
Concen: 66.097 ug/l
RT: 2.391 min Scan# 21
Delta R.T. -0.001 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion: 43 Resp: 52524

Ion	Ratio	Lower	Upper
43	100		
58	27.2	21.2	31.8

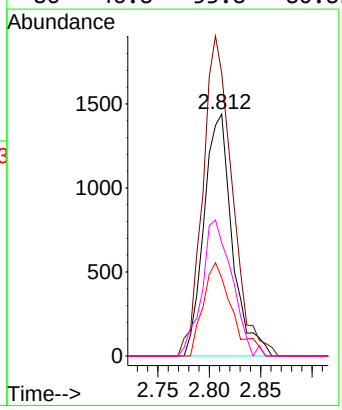


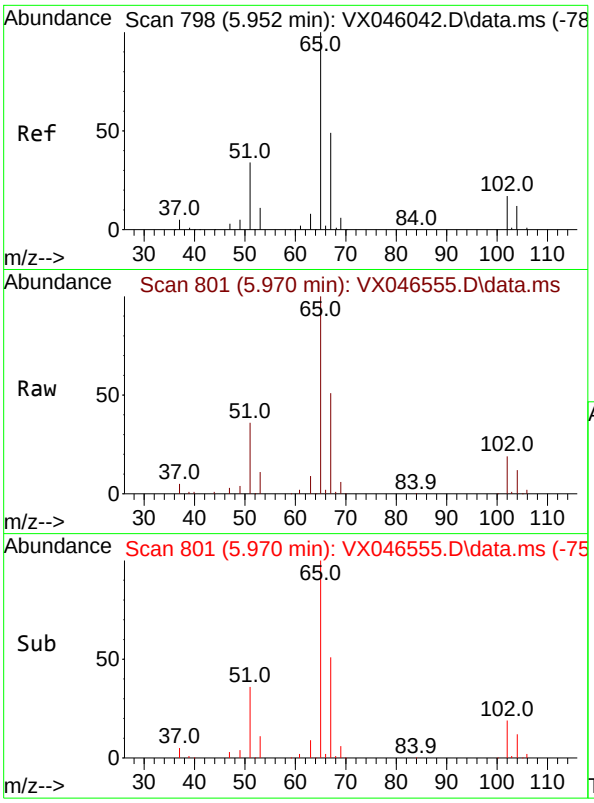


#20
Methylene Chloride
Concen: 1.602 ug/l
RT: 2.812 min Scan# 283
Delta R.T. 0.006 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion: 84 Resp: 2744

Ion	Ratio	Lower	Upper
84	100		
49	116.9	113.9	170.9
51	32.2	33.5	50.3#
86	46.8	53.8	80.8#



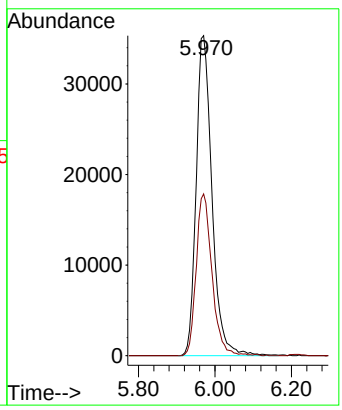


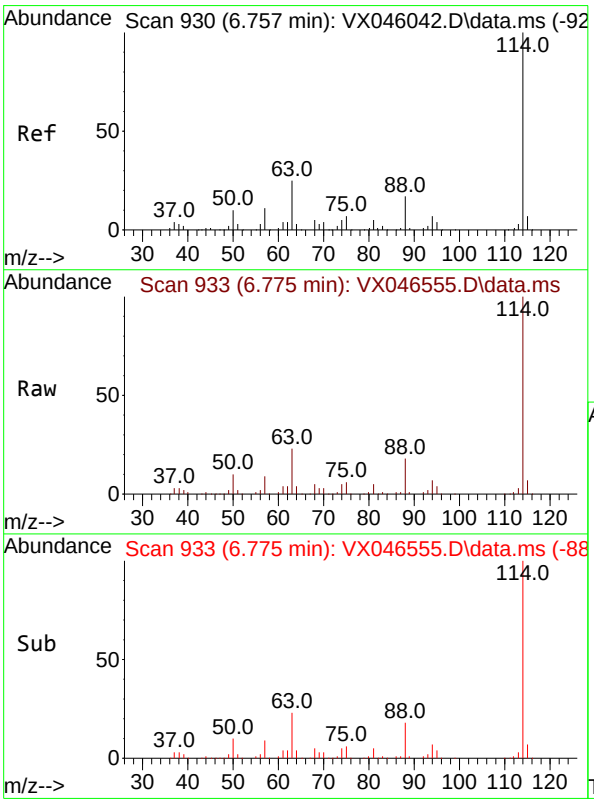
#33
1,2-Dichloroethane-d4
Concen: 47.501 ug/l
RT: 5.970 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion: 65 Resp: 101404

Ion	Ratio	Lower	Upper
65	100		
67	50.4	0.0	99.0

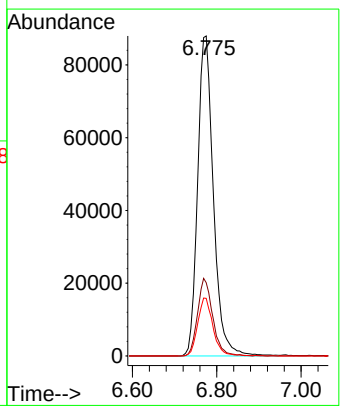


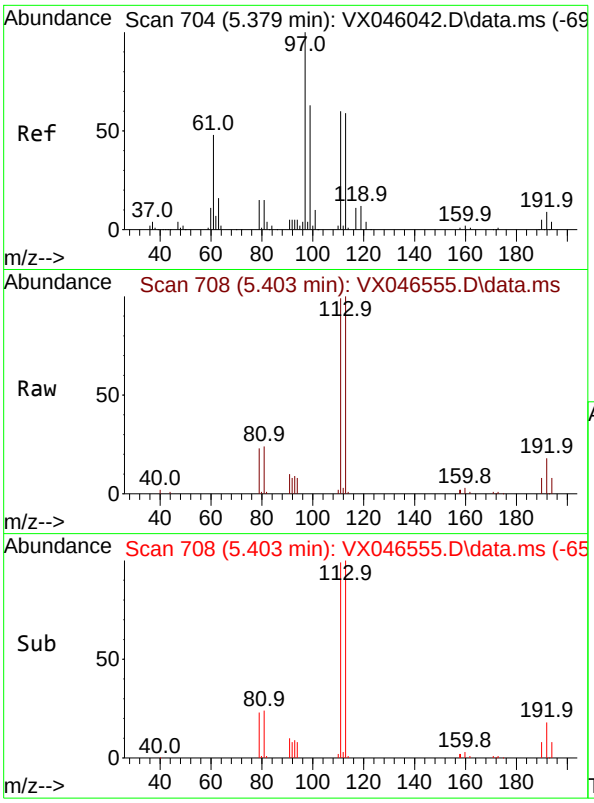


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.775 min Scan# 933
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:114 Resp: 228870

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	49.2
88	18.0	0.0	33.6



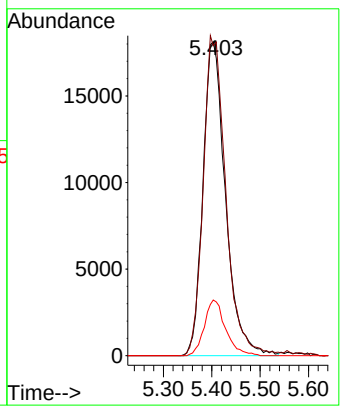


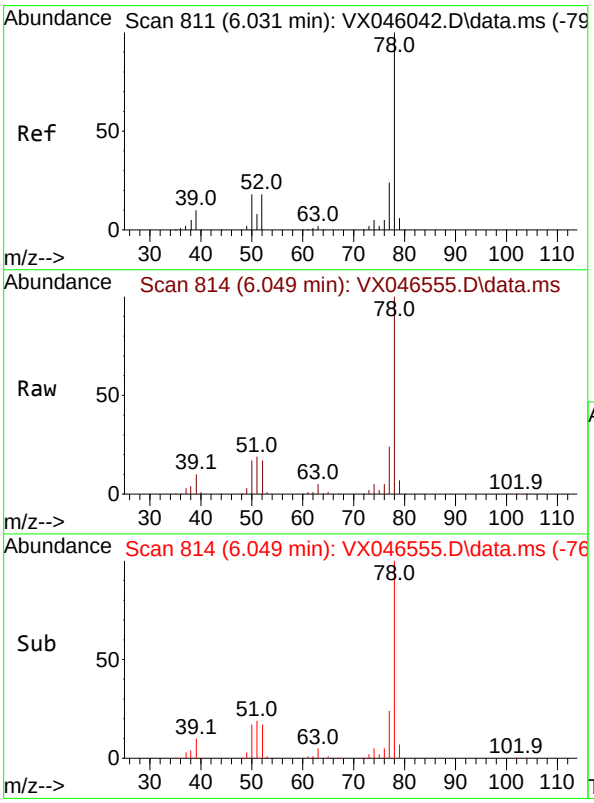
#35
Dibromofluoromethane
Concen: 34.899 ug/l
RT: 5.403 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion:113 Resp: 58738

Ion	Ratio	Lower	Upper
113	100		
111	102.0	83.1	124.7
192	16.7	13.3	19.9

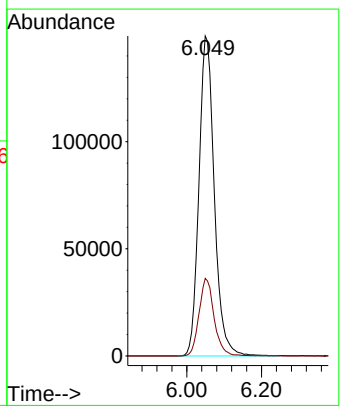


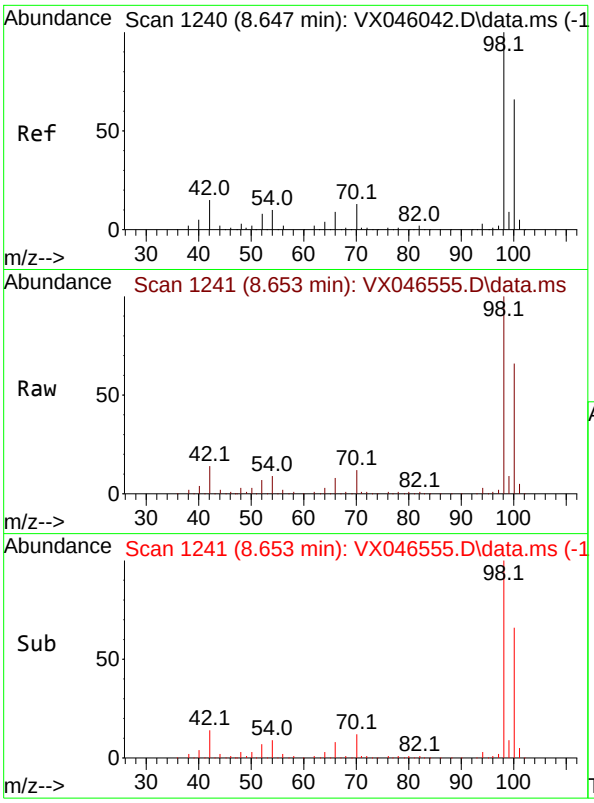


#40
Benzene
Concen: 62.888 ug/l
RT: 6.049 min Scan# 814
Delta R.T. -0.007 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion: 78 Resp: 425637

Ion	Ratio	Lower	Upper
78	100		
77	24.3	19.0	28.4



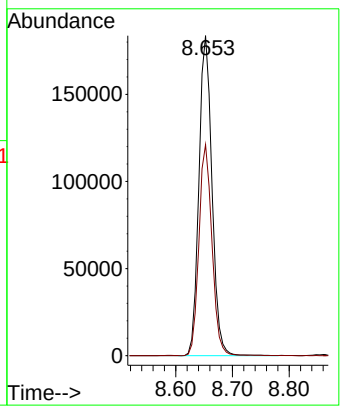


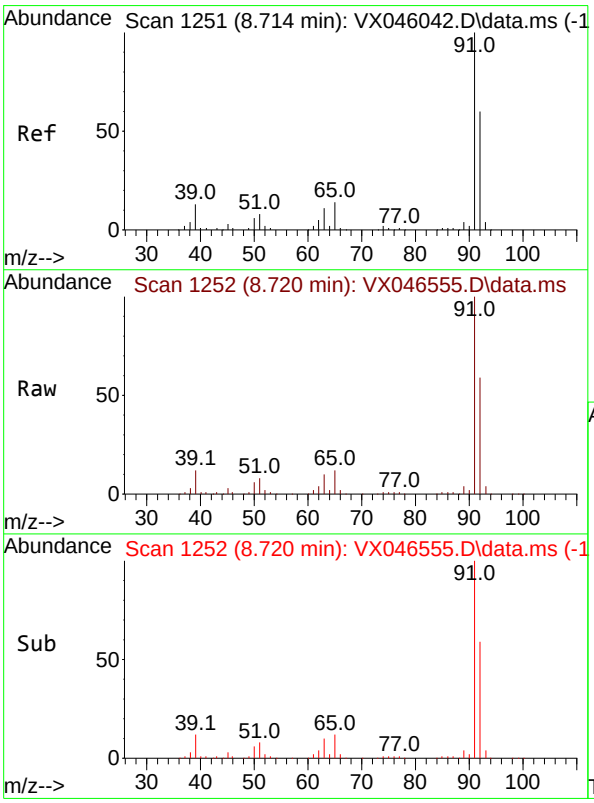
#50
Toluene-d8
Concen: 52.823 ug/l
RT: 8.653 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion: 98 Resp: 293116

Ion	Ratio	Lower	Upper
98	100		
100	65.9	53.5	80.3

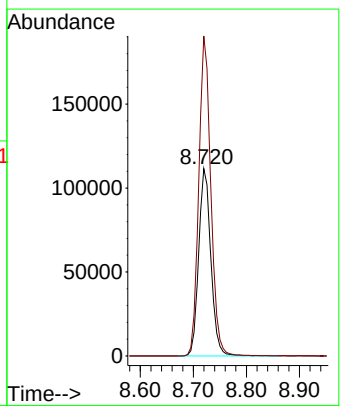


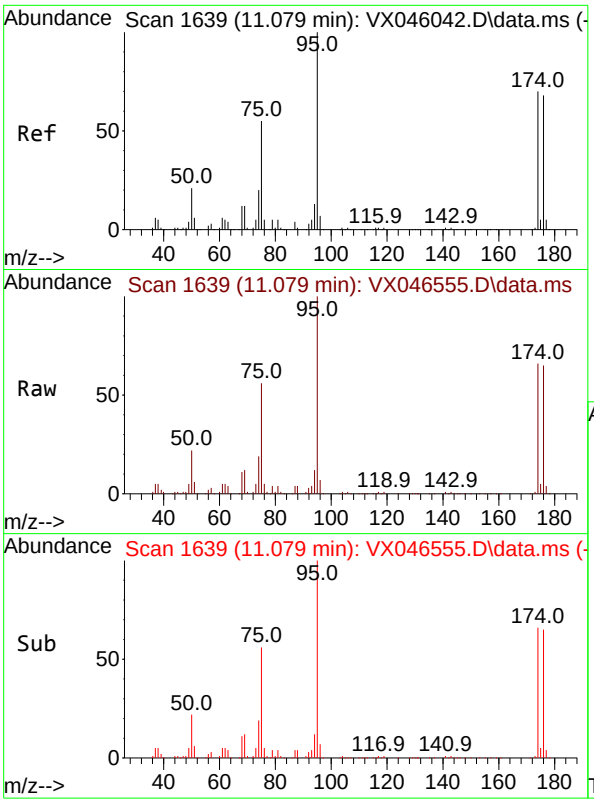


#52
Toluene
Concen: 42.654 ug/l
RT: 8.720 min Scan# 1252
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion: 92 Resp: 177358

Ion	Ratio	Lower	Upper
92	100		
91	169.0	136.6	205.0



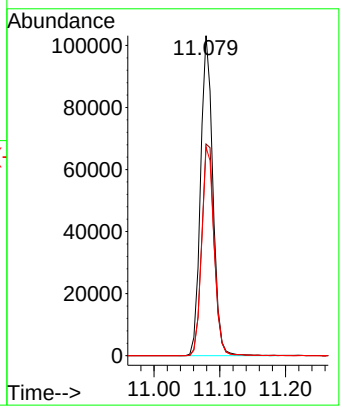


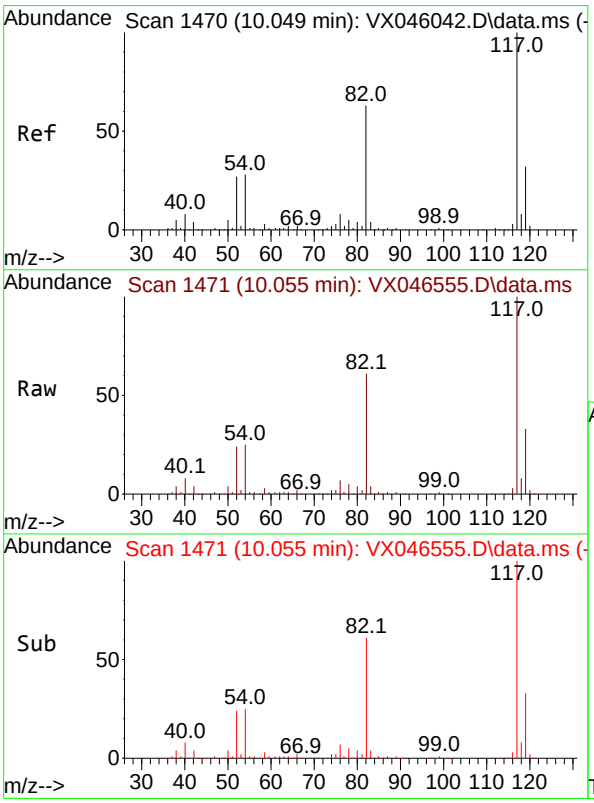
#62
4-Bromofluorobenzene
Concen: 58.126 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion: 95 Resp: 133450

Ion	Ratio	Lower	Upper
95	100		
174	67.5	0.0	135.8
176	65.9	0.0	131.4

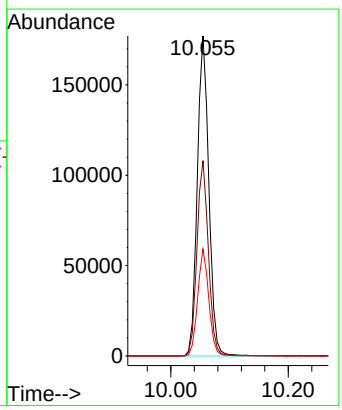


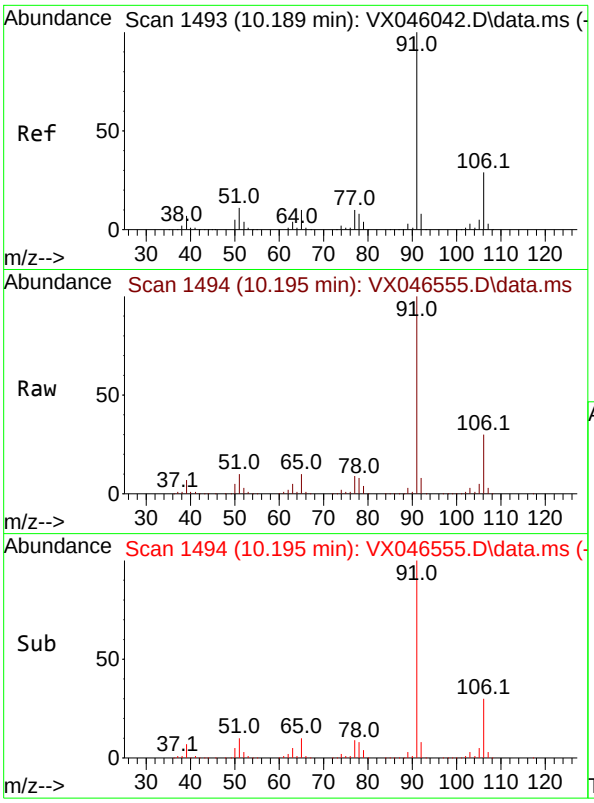


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:117 Resp: 241518

Ion	Ratio	Lower	Upper
117	100		
82	61.0	50.6	76.0
119	33.4	25.8	38.6



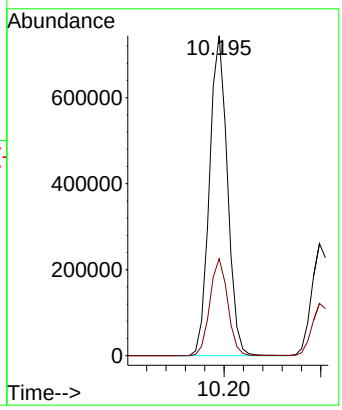


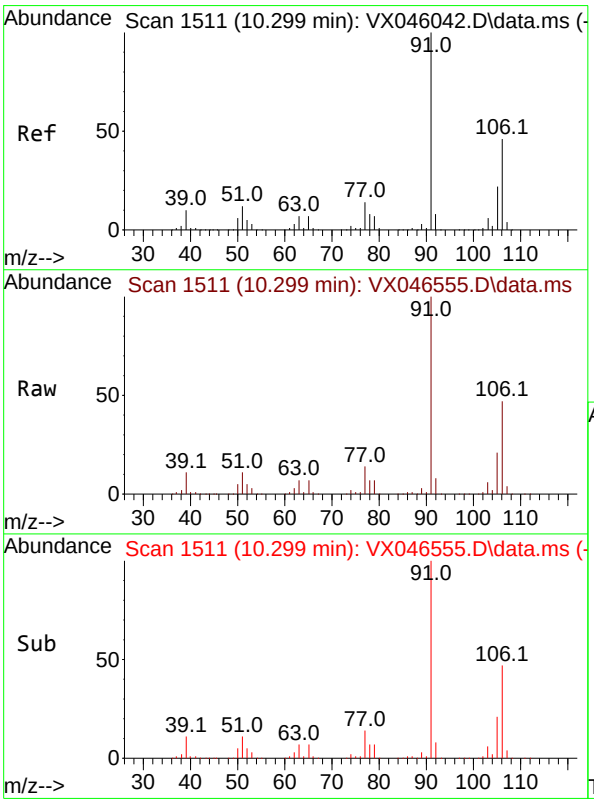
#67
Ethyl Benzene
Concen: 96.864 ug/l
RT: 10.195 min Scan# 14
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion: 91 Resp: 960531

Ion	Ratio	Lower	Upper
91	100		
106	30.3	23.4	35.2

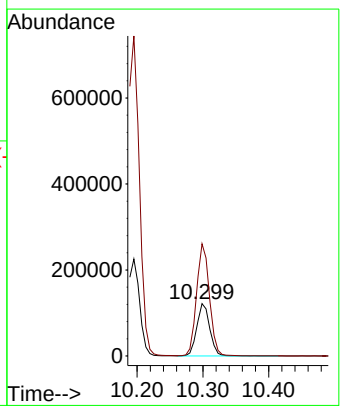


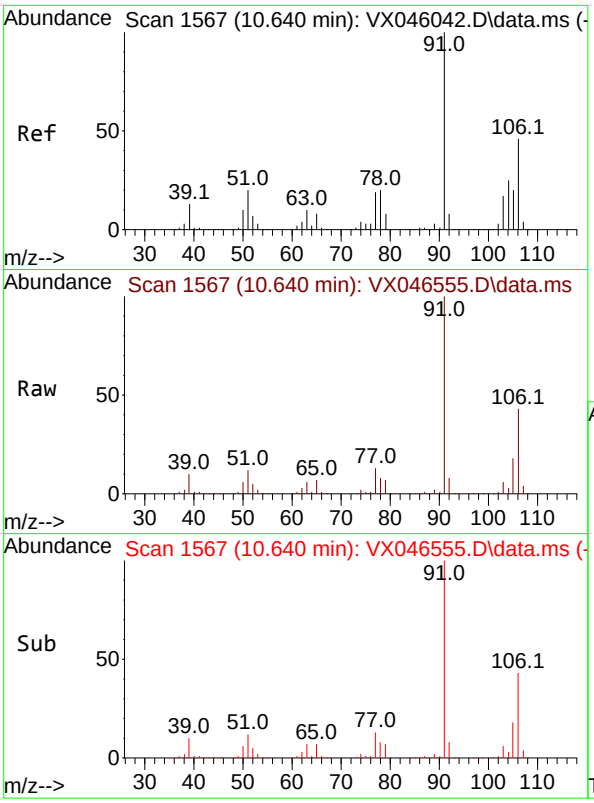


#68
m/p-Xylenes
Concen: 45.836 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:106 Resp: 164878

Ion	Ratio	Lower	Upper
106	100		
91	213.6	171.2	256.8



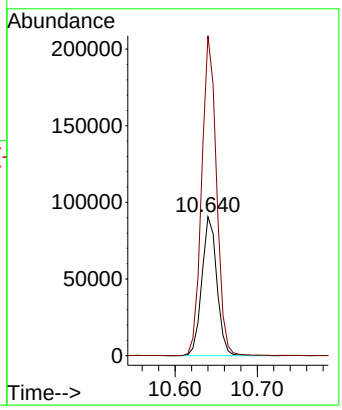


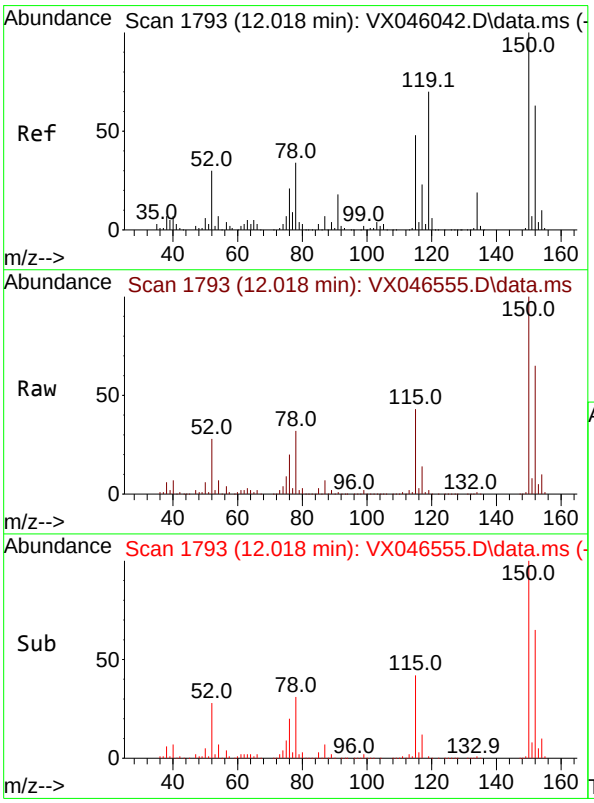
#69
o-Xylene
Concen: 33.020 ug/l
RT: 10.640 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion:106 Resp: 114888

Ion	Ratio	Lower	Upper
106	100		
91	227.8	112.7	338.1

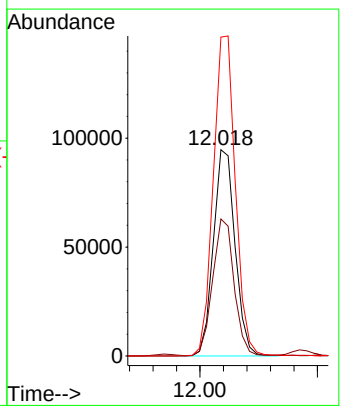


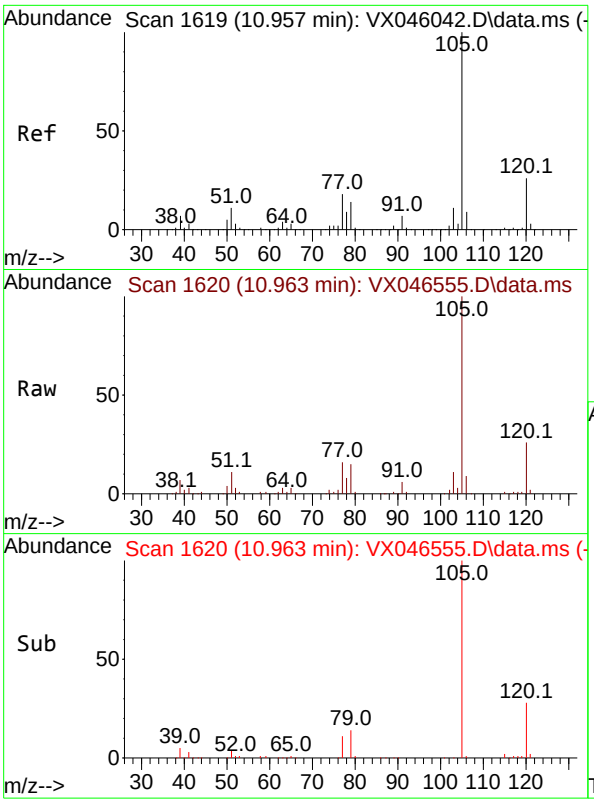


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:152 Resp: 121477

Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.9	0.0	351.0



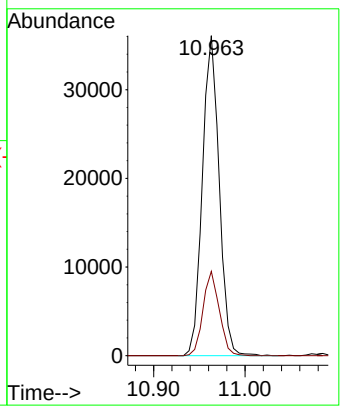


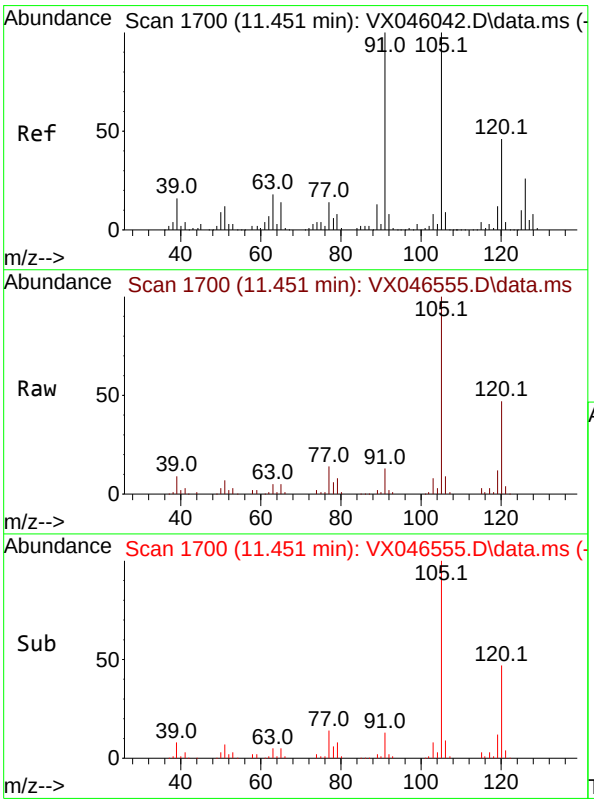
#73
Isopropylbenzene
Concen: 4.808 ug/l
RT: 10.963 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion:105 Resp: 45915

Ion	Ratio	Lower	Upper
105	100		
120	25.4	12.8	38.4

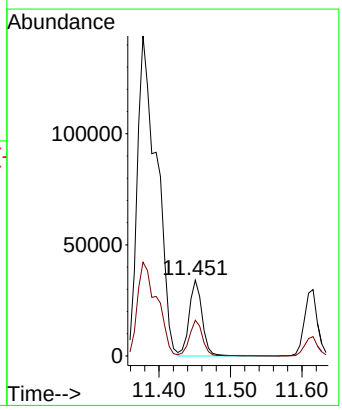


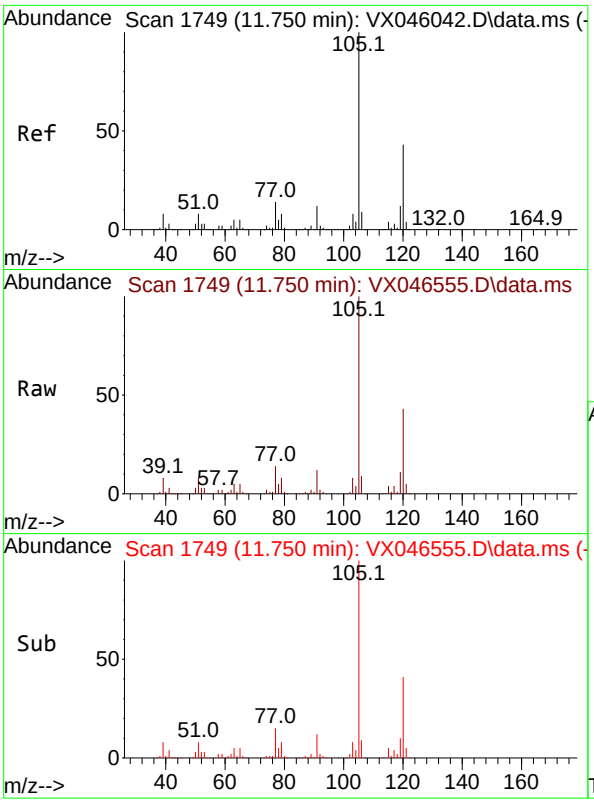


#80
1,3,5-Trimethylbenzene
Concen: 5.412 ug/l
RT: 11.451 min Scan# 1700
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:105 Resp: 43065

Ion	Ratio	Lower	Upper
105	100		
120	47.1	23.1	69.2



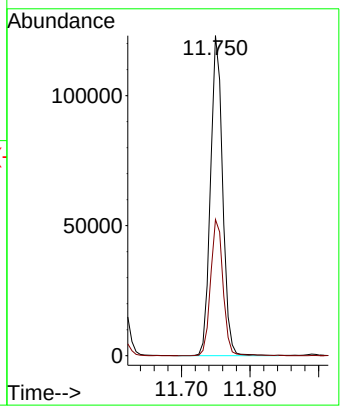


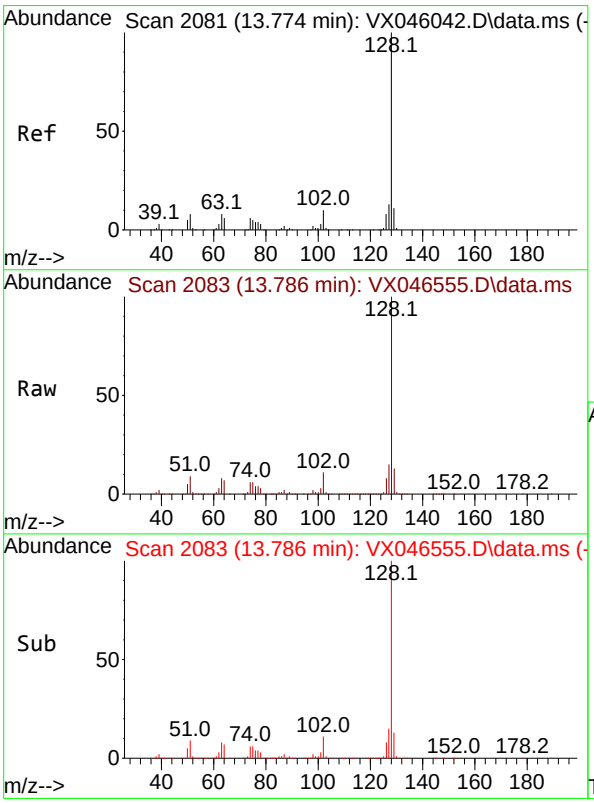
#84
1,2,4-Trimethylbenzene
Concen: 18.761 ug/l
RT: 11.750 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Instrument :
MSVOA_X
ClientSampleId :
WC-A2-07-G

Tgt Ion:105 Resp: 151023

Ion	Ratio	Lower	Upper
105	100		
120	43.4	21.2	63.6

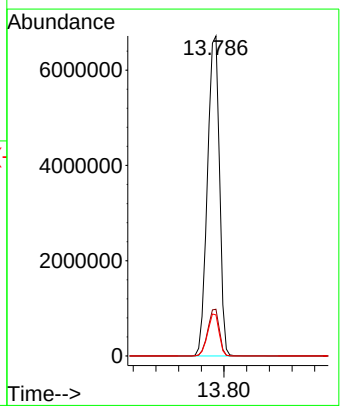




#95
Naphthalene
Concen: 1102.595 ug/l
RT: 13.786 min Scan# 2083
Delta R.T. 0.012 min
Lab File: VX046555.D
Acq: 07 Jun 2025 04:31

Tgt Ion:128 Resp: 9909635

Ion	Ratio	Lower	Upper
128	100		
127	14.0	10.4	15.6
129	12.5	8.6	13.0



Raw Data: **VN086900.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	06/04/25
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	06/04/25
Client Sample ID:	WC-A2-07-GRE	SDG No.:	Q2236
Lab Sample ID:	Q2236-17RE	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086900.D	1		06/09/25 13:21	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.051		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	31.8	*	70 (75) - 130 (124)	64%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.8		70 (77) - 130 (121)	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	440000	8.235			
540-36-3	1,4-Difluorobenzene	778000	9.106			
3114-55-4	Chlorobenzene-d5	671000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	315000	13.788			

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\VN060925\
Data File : VN086900.D
Acq On : 09 Jun 2025 13:21
Operator : JC\MD
Sample : Q2236-17RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Quant Time: Jun 10 03:31:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

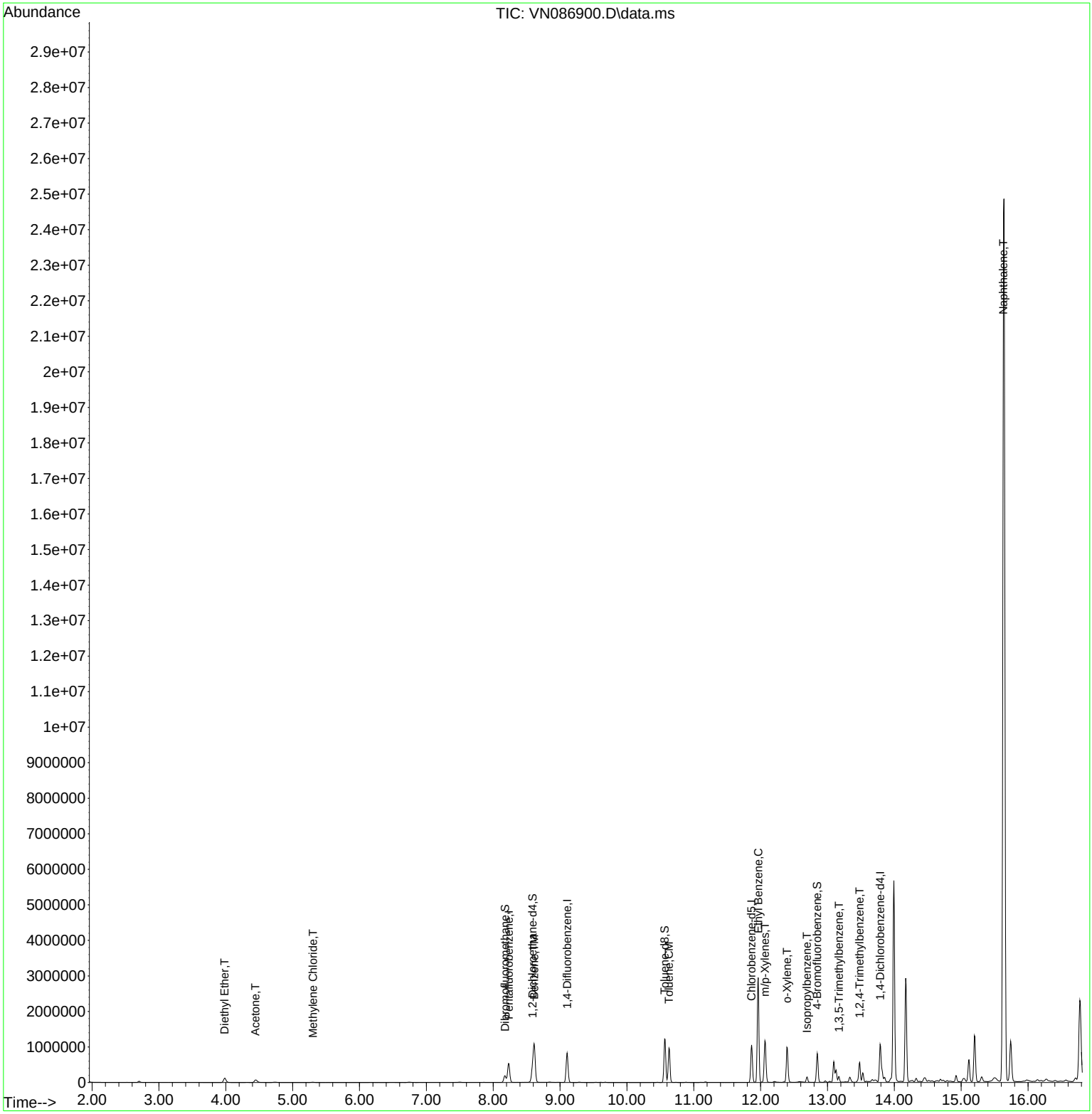
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	440181	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	778135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	670848	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	315094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	252339	42.816	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.640%			
35) Dibromofluoromethane	8.177	113	146751	31.823	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 63.640%#			
50) Toluene-d8	10.565	98	923534	50.590	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.180%			
62) 4-Bromofluorobenzene	12.847	95	323959	47.765	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.520%			
Target Compounds						Qvalue
8) Diethyl Ether	3.983	74	84139	25.282	ug/l	93
16) Acetone	4.442	43	140182	44.853	ug/l	100
20) Methylene Chloride	5.306	84	6945	1.187	ug/l	91
40) Benzene	8.612	78	1148530	51.114	ug/l	100
52) Toluene	10.629	92	467084	34.014	ug/l	100
67) Ethyl Benzene	11.965	91	2299298	90.220	ug/l	99
68) m/p-Xylenes	12.065	106	419226	42.972	ug/l	98
69) o-Xylene	12.394	106	297633	31.854	ug/l	97
73) Isopropylbenzene	12.694	105	108193	4.713	ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	90895	4.796	ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	340049	17.893	ug/l	99
95) Naphthalene	15.629	128	21764312	920.202	ug/l #	91

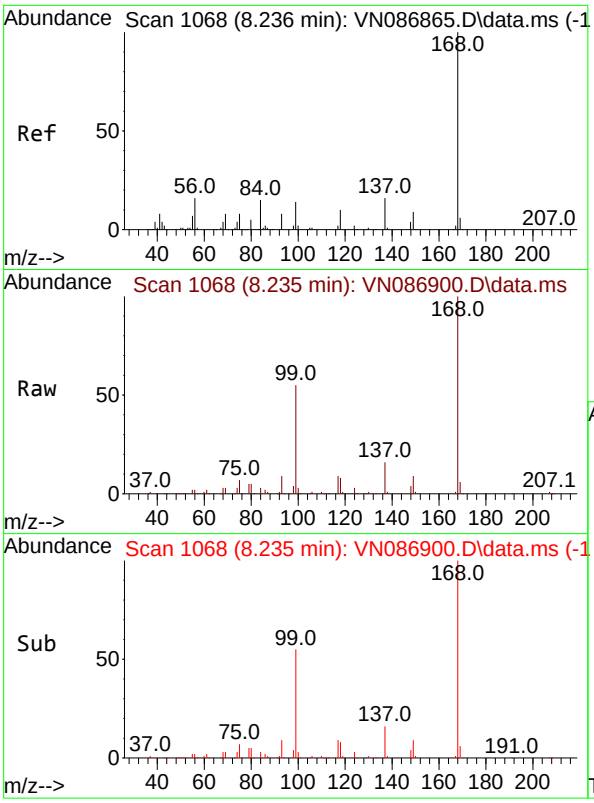
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086900.D
Acq On : 09 Jun 2025 13:21
Operator : JC\MD
Sample : Q2236-17RE
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Quant Time: Jun 10 03:31:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



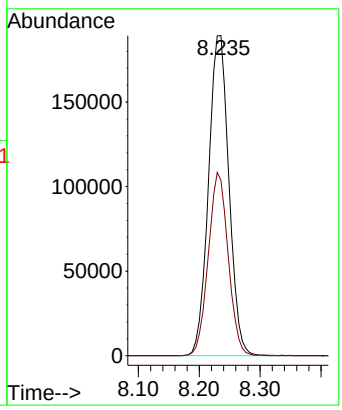


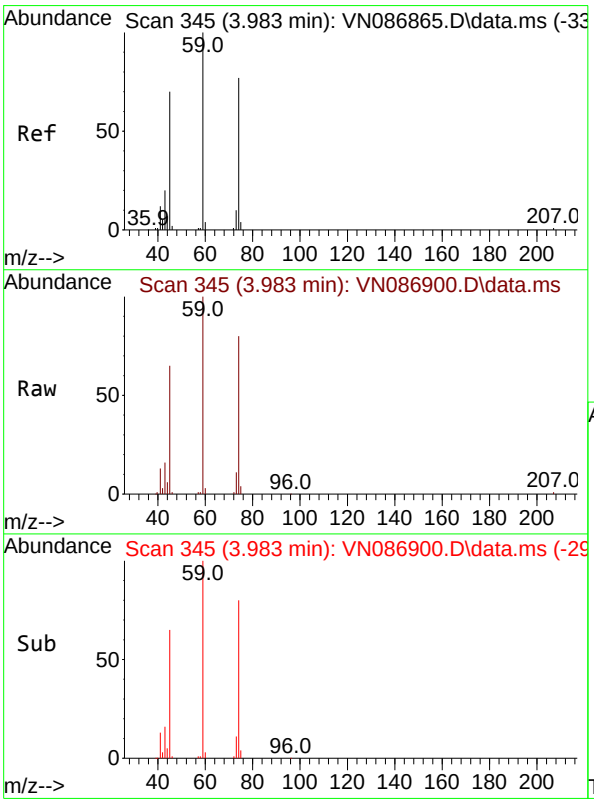
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:168 Resp: 440181

Ion	Ratio	Lower	Upper
168	100		
99	54.8	49.1	73.7

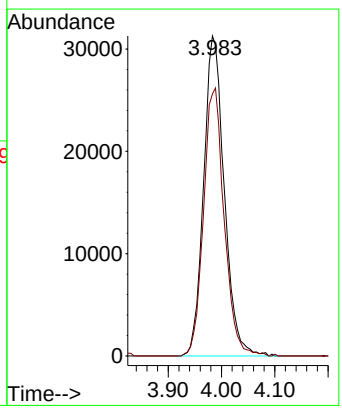


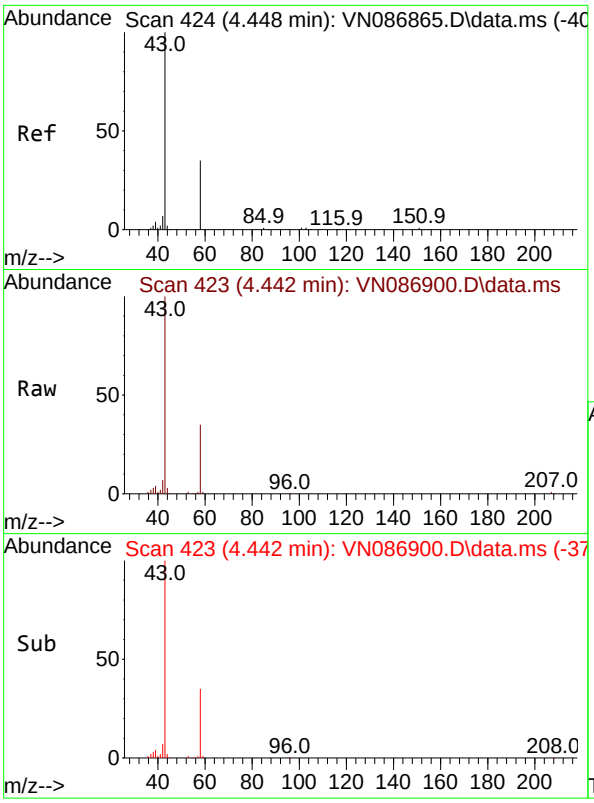


#8
Diethyl Ether
Concen: 25.282 ug/l
RT: 3.983 min Scan# 345
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 74 Resp: 84139

Ion	Ratio	Lower	Upper
74	100		
45	83.9	45.5	136.5



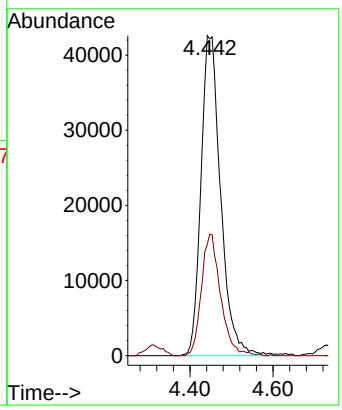


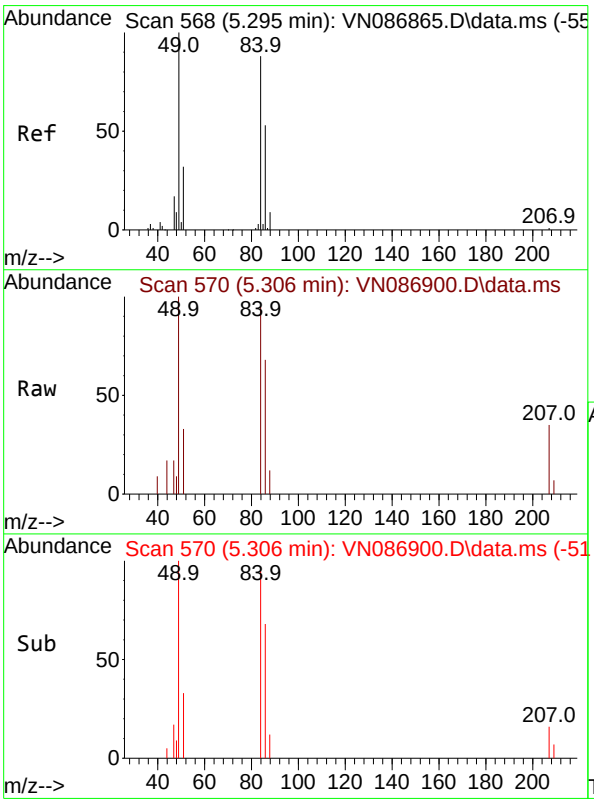
#16
Acetone
Concen: 44.853 ug/l
RT: 4.442 min Scan# 4
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion: 43 Resp: 140182

Ion	Ratio	Lower	Upper
43	100		
58	34.9	28.0	42.0

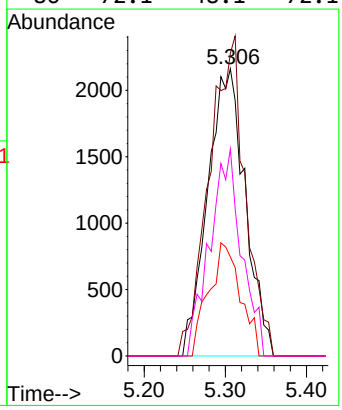


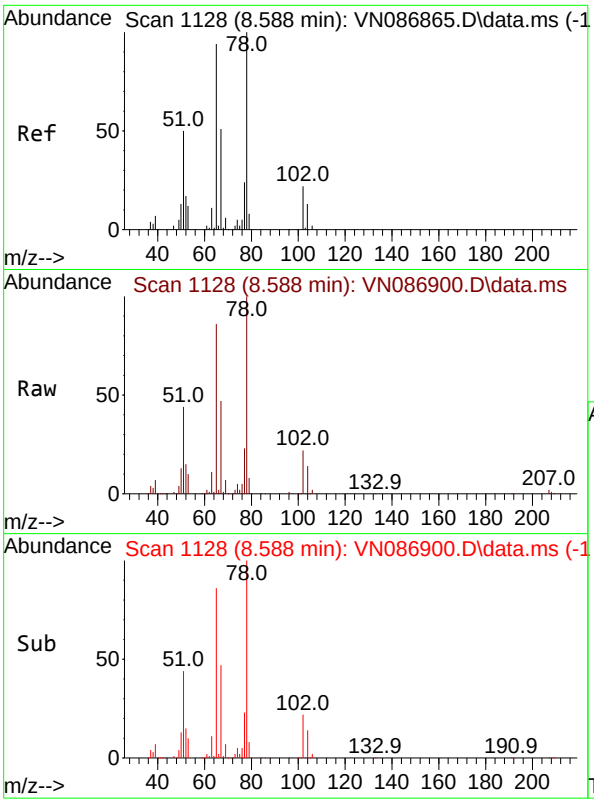


#20
Methylene Chloride
Concen: 1.187 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 84 Resp: 6945

Ion	Ratio	Lower	Upper
84	100		
49	105.4	90.5	135.7
51	34.5	28.5	42.7
86	72.1	48.1	72.1



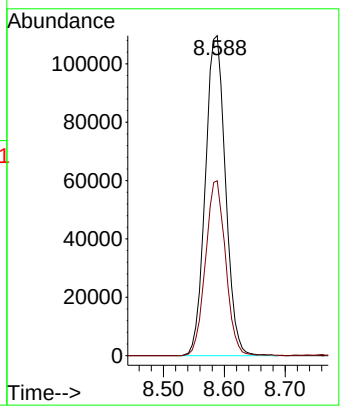


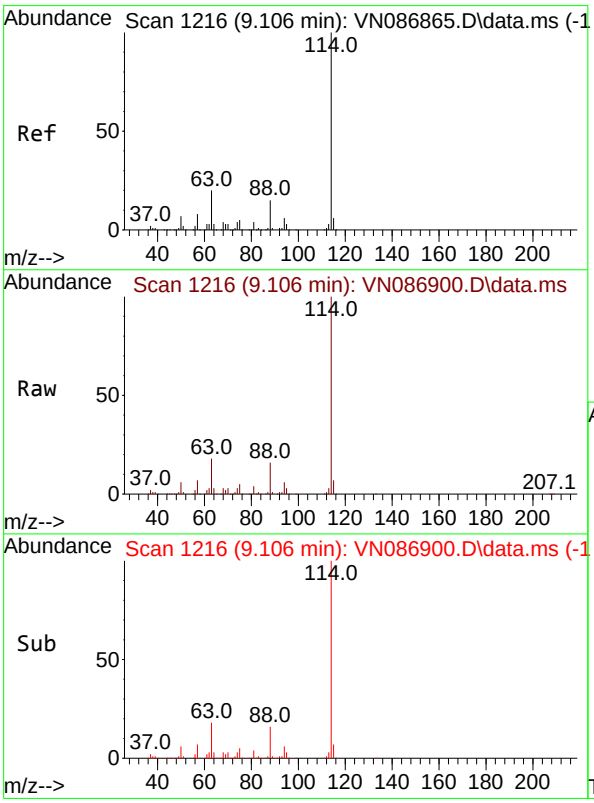
#33
1,2-Dichloroethane-d4
Concen: 42.816 ug/l
RT: 8.588 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion: 65 Resp: 252339

Ion	Ratio	Lower	Upper
65	100		
67	54.4	0.0	105.6

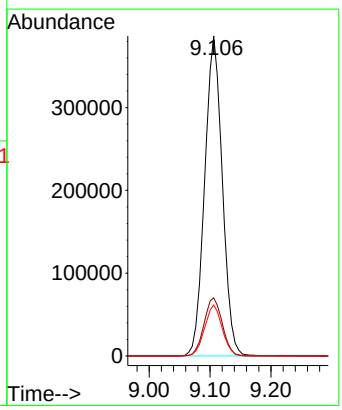


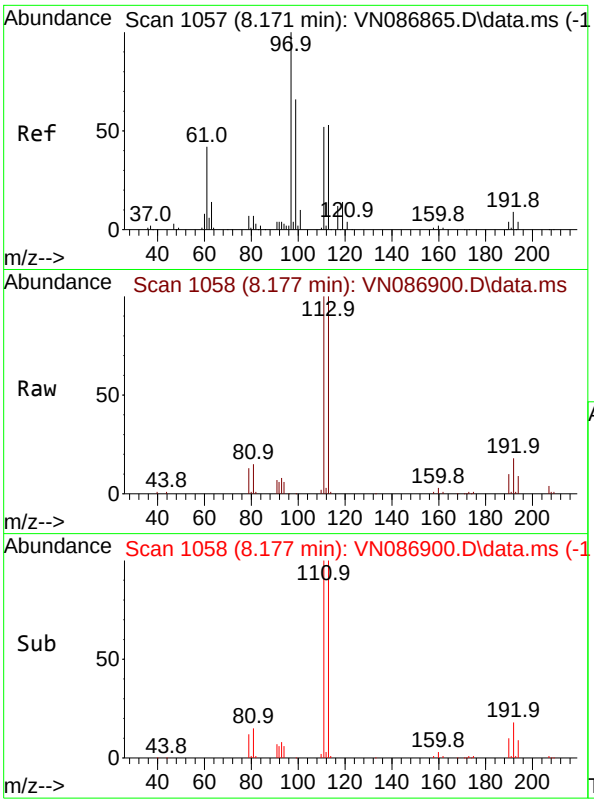


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:114 Resp: 778135

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	39.6
88	15.9	0.0	30.2



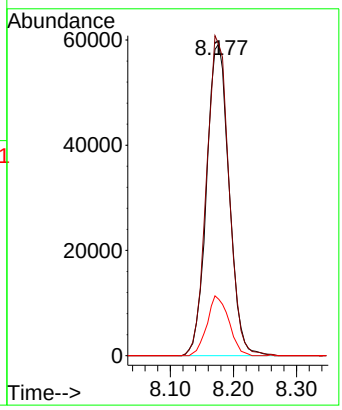


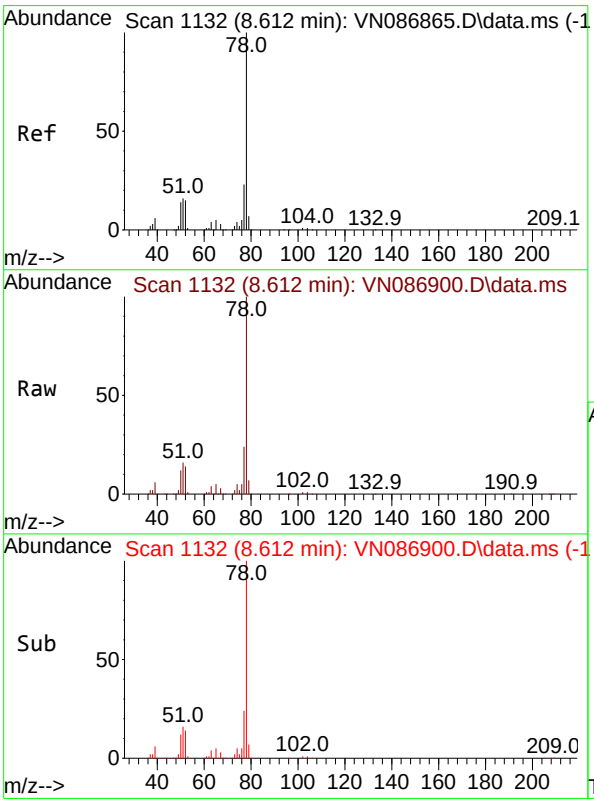
#35
Dibromofluoromethane
Concen: 31.823 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:113 Resp: 146751

Ion	Ratio	Lower	Upper
113	100		
111	102.1	84.2	126.2
192	18.6	14.2	21.4

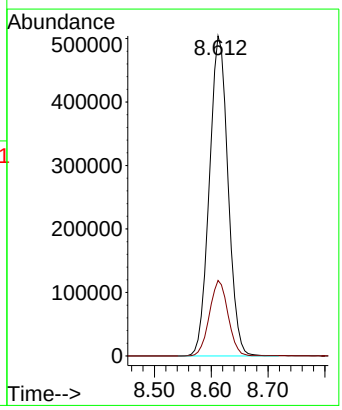


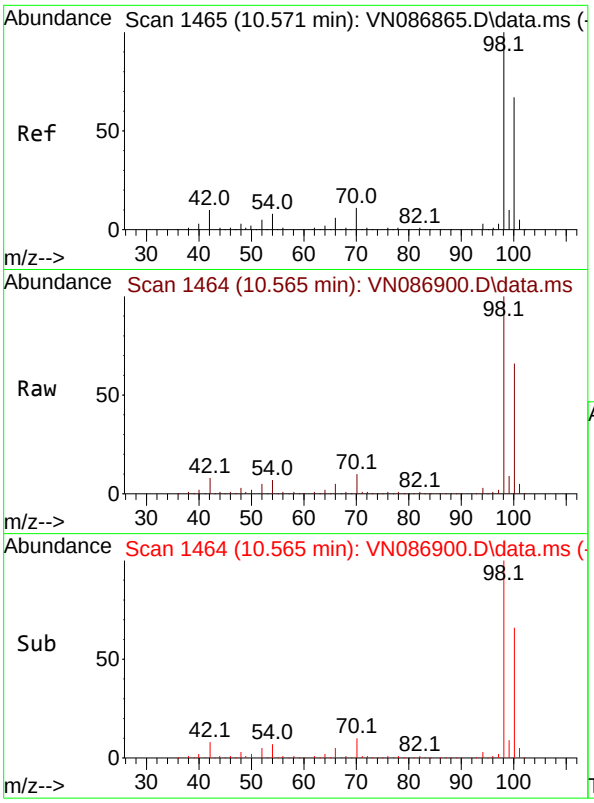


#40
Benzene
Concen: 51.114 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 78 Resp: 1148530

Ion	Ratio	Lower	Upper
78	100		
77	23.6	18.7	28.1



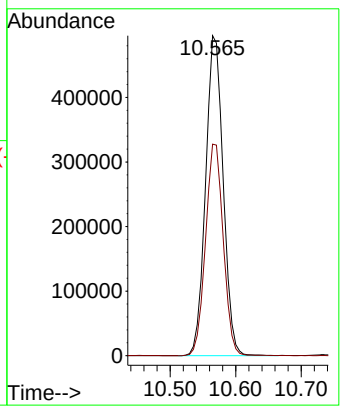


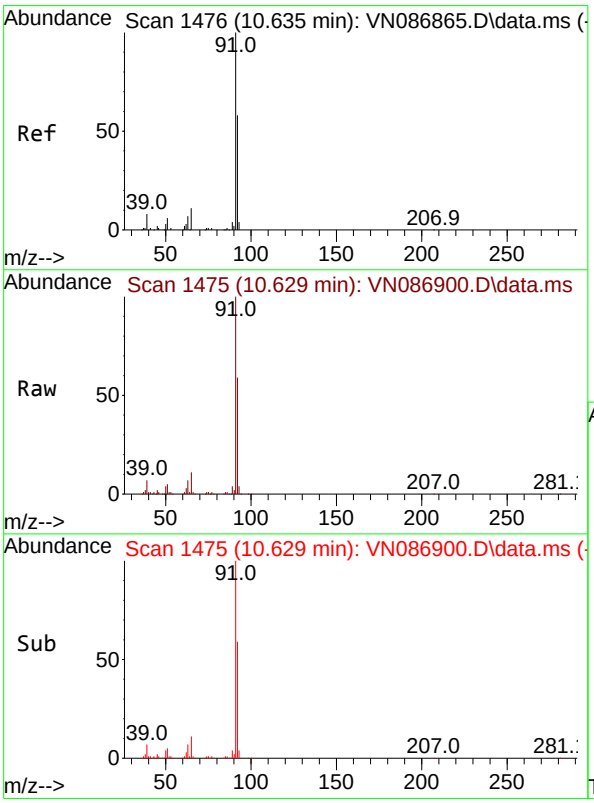
#50
Toluene-d8
Concen: 50.590 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion: 98 Resp: 923534

Ion	Ratio	Lower	Upper
98	100		
100	66.8	53.4	80.0

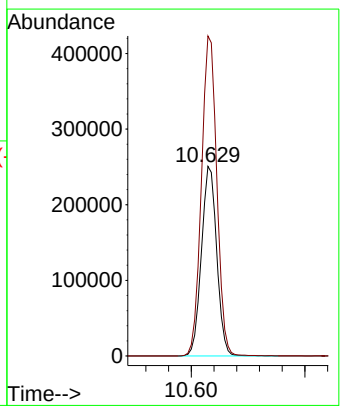


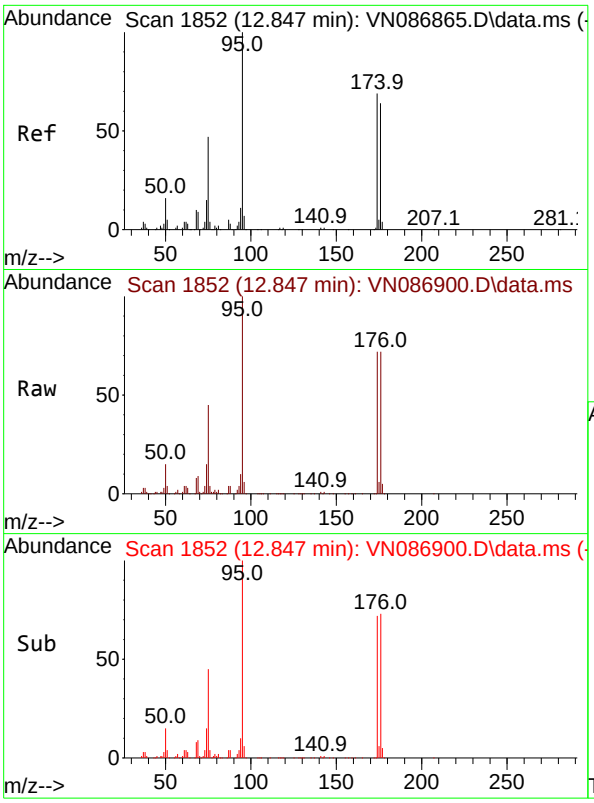


#52
Toluene
Concen: 34.014 ug/l
RT: 10.629 min Scan# 1475
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion: 92 Resp: 467084

Ion	Ratio	Lower	Upper
92	100		
91	170.1	136.5	204.7



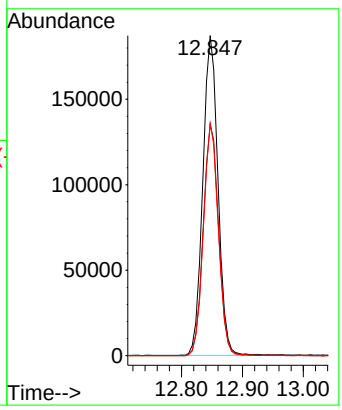


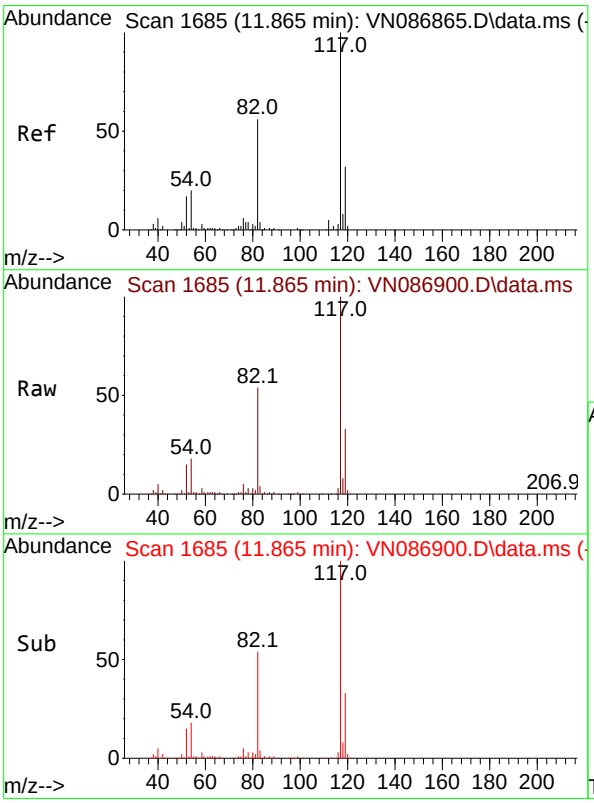
#62
4-Bromofluorobenzene
Concen: 47.765 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion: 95 Resp: 323959

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.8
176	71.3	0.0	132.6

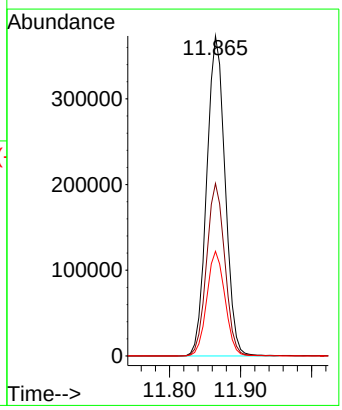


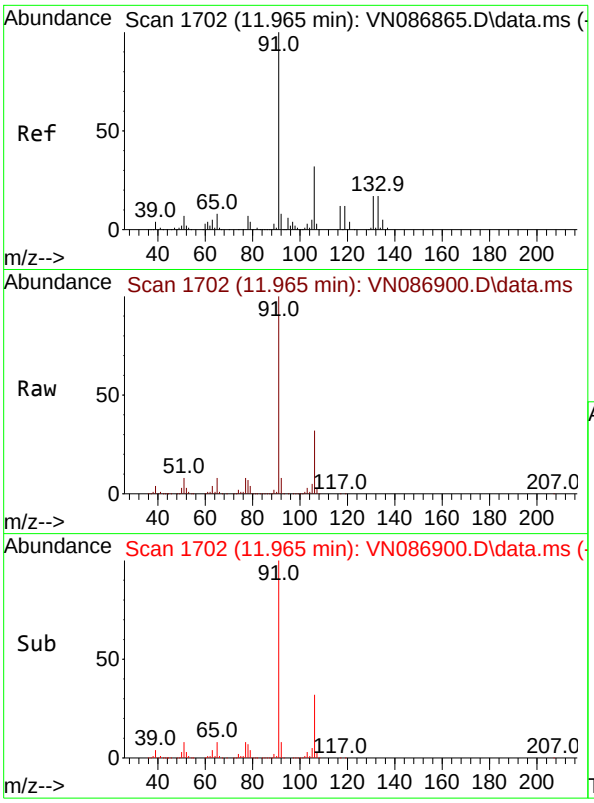


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:117 Resp: 670848

Ion	Ratio	Lower	Upper
117	100		
82	53.9	44.6	67.0
119	32.7	25.5	38.3



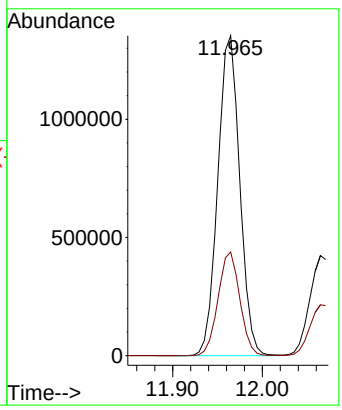


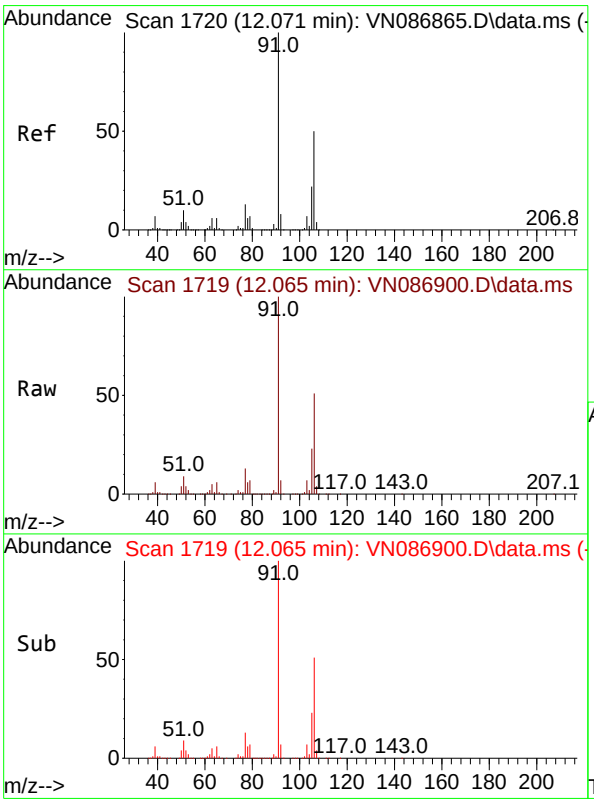
#67
Ethyl Benzene
Concen: 90.220 ug/l
RT: 11.965 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion: 91 Resp: 2299298

Ion	Ratio	Lower	Upper
91	100		
106	32.4	25.4	38.2

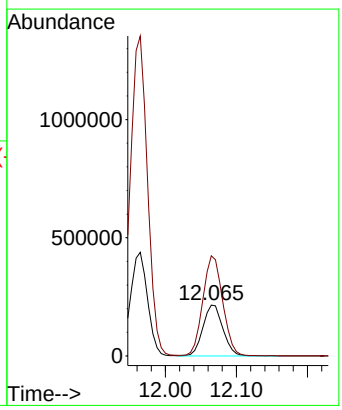


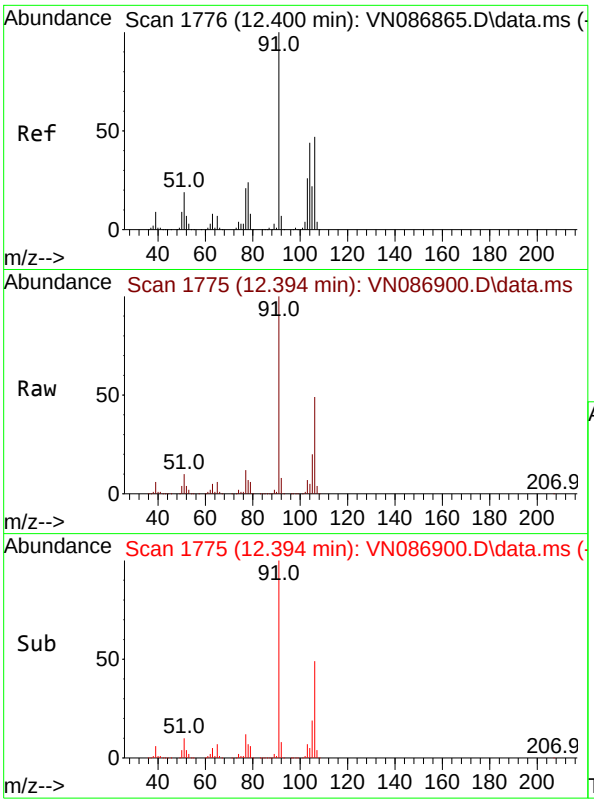


#68
m/p-Xylenes
Concen: 42.972 ug/l
RT: 12.065 min Scan# 1719
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:106 Resp: 419226

Ion	Ratio	Lower	Upper
106	100		
91	196.4	159.4	239.0



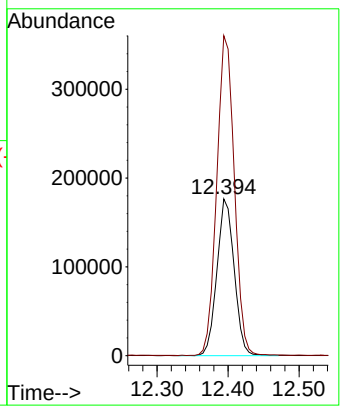


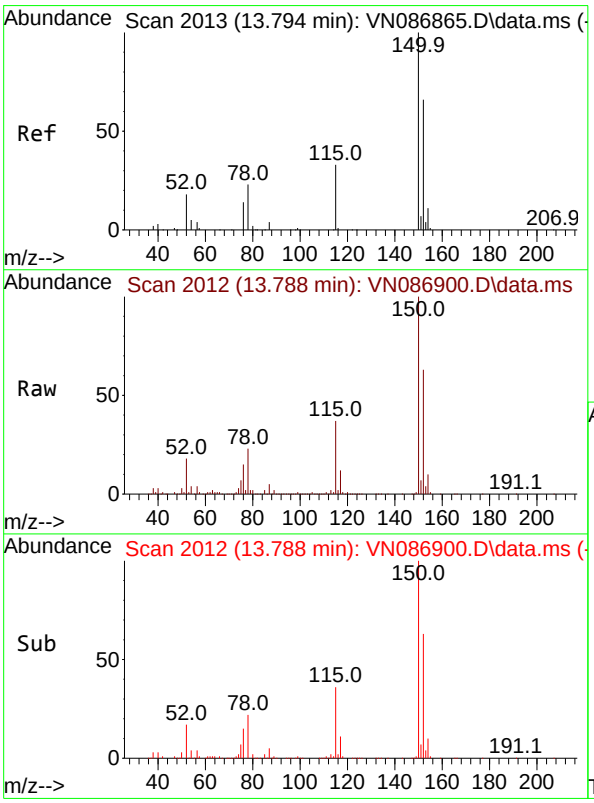
#69
o-Xylene
Concen: 31.854 ug/l
RT: 12.394 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:106 Resp: 297633

Ion	Ratio	Lower	Upper
106	100		
91	207.3	106.1	318.1

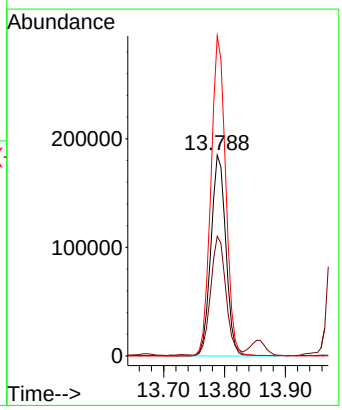


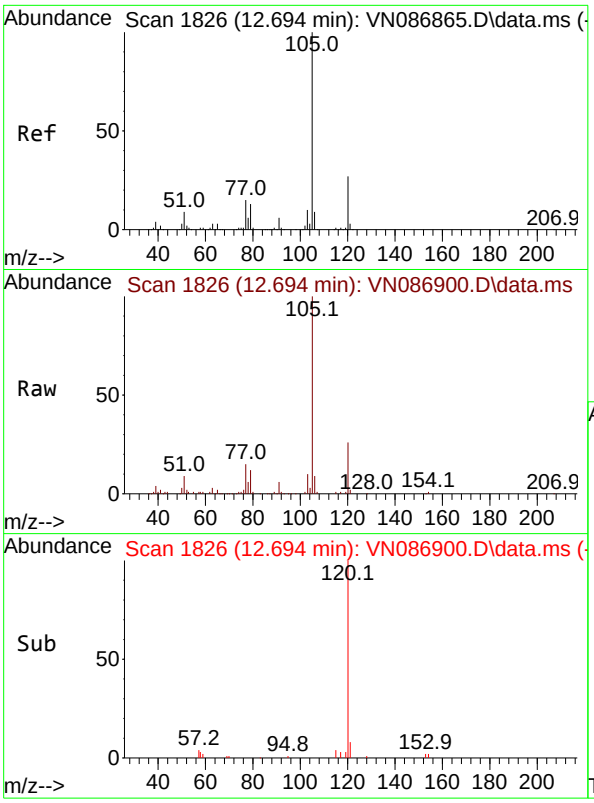


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:152 Resp: 315094

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.5
150	157.5	0.0	345.0



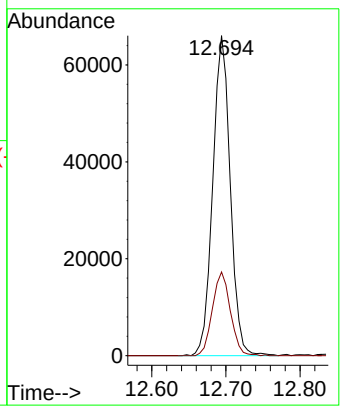


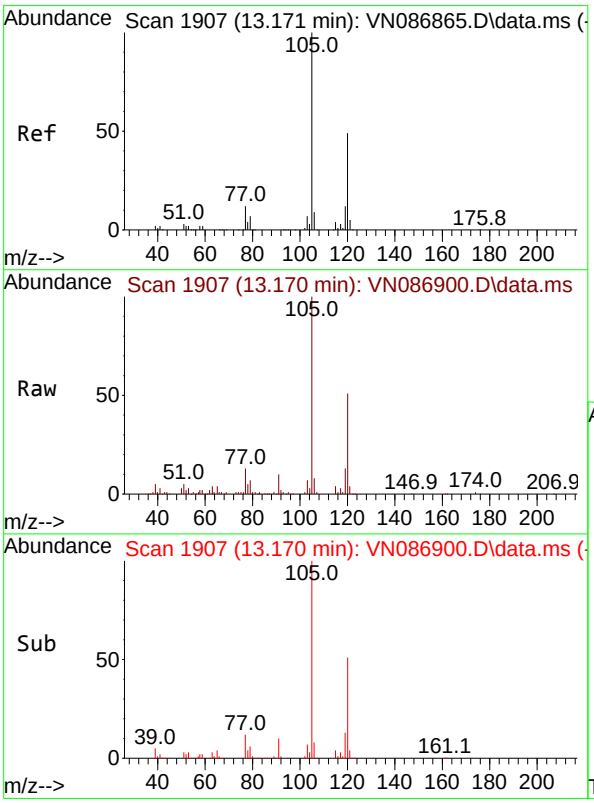
#73
Isopropylbenzene
Concen: 4.713 ug/l
RT: 12.694 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:105 Resp: 108193

Ion	Ratio	Lower	Upper
105	100		
120	26.9	13.5	40.4

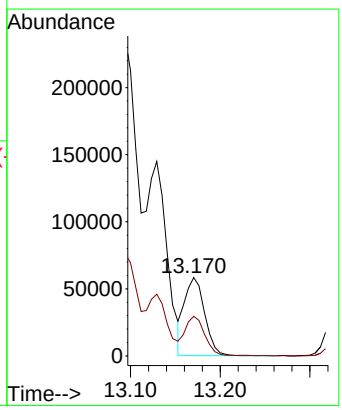


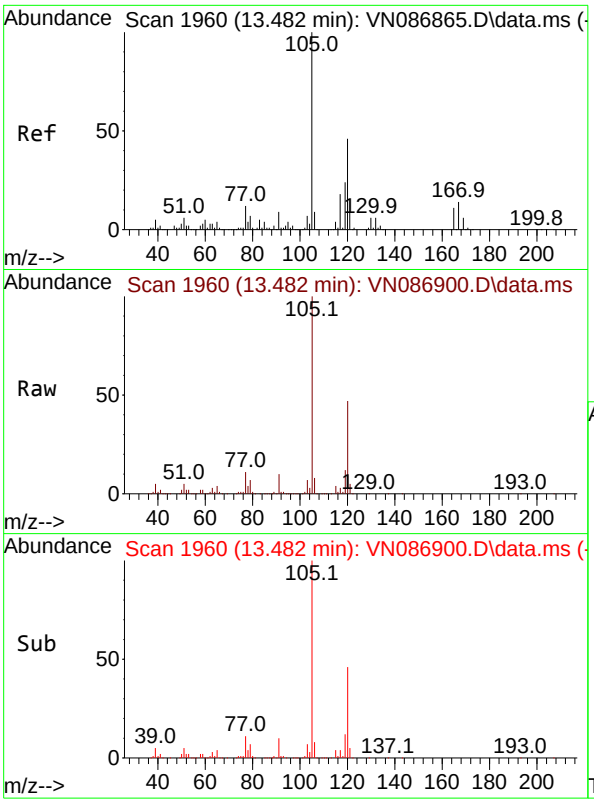


#80
1,3,5-Trimethylbenzene
Concen: 4.796 ug/l
RT: 13.170 min Scan# 1907
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:105 Resp: 90895

Ion	Ratio	Lower	Upper
105	100		
120	49.1	24.9	74.6



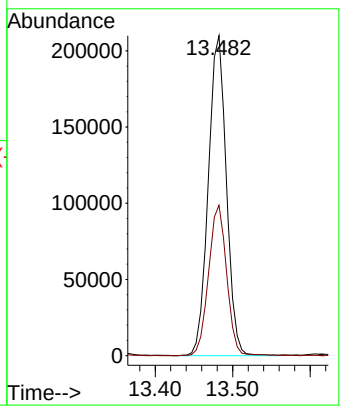


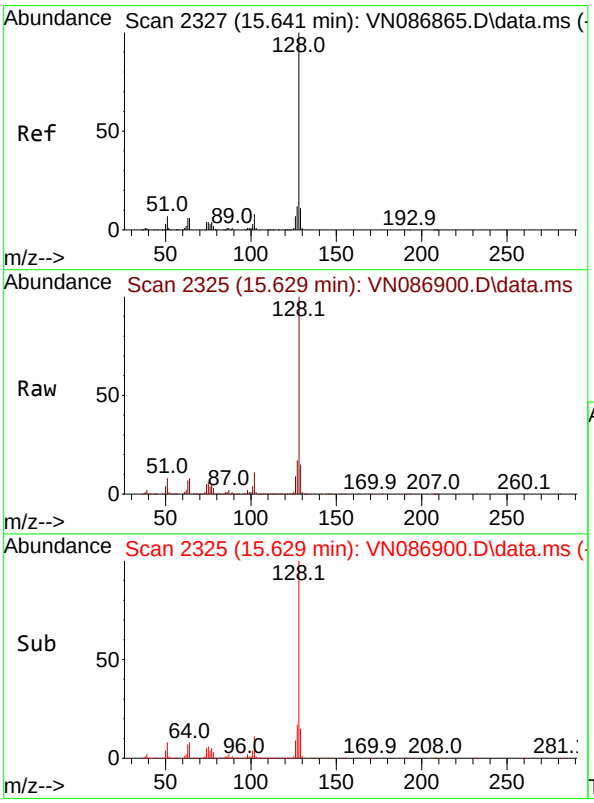
#84
1,2,4-Trimethylbenzene
Concen: 17.893 ug/l
RT: 13.482 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Instrument :
MSVOA_N
ClientSampleId :
WC-A2-07-GRE

Tgt Ion:105 Resp: 340049

Ion	Ratio	Lower	Upper
105	100		
120	47.2	23.2	69.6

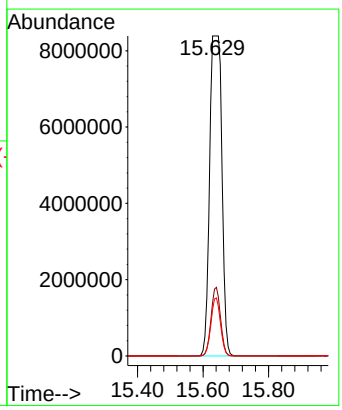




#95
Naphthalene
Concen: 920.202 ug/l
RT: 15.629 min Scan# 2325
Delta R.T. -0.012 min
Lab File: VN086900.D
Acq: 09 Jun 2025 13:21

Tgt Ion:128 Resp:21764312

Ion	Ratio	Lower	Upper
128	100		
127	16.6	10.2	15.2#
129	14.2	8.8	13.2#



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG No.: Q2236

Instrument ID: MSVOA_N Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:44 14:49

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

LAB FILE ID: RRF001 = VN086862.D RRF005 = VN086863.D RRF020 = VN086864.D
RRF050 = VN086865.D RRF100 = VN086866.D RRF150 = VN086867.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.2
Carbon Tetrachloride	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.9
Chloroform	1.235	1.152	1.145	1.061	1.085	1.030	1.118	6.7
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

* 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 : 82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025
Response Via : Initial Calibration

Calibration Files
1 =VN086862.D 5 =VN086863.D 20 =VN086864.D 50 =VN086865.D 100 =VN086866.D 150 =VN086867.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.467	0.444	0.539	0.501	0.535	0.506	0.499	7.51
3)	P	Chloromethane	0.762	0.654	0.645	0.597	0.617	0.587	0.644	9.85
4)	C	Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.49#
5)	T	Bromomethane		0.375	0.380	0.357	0.379	0.368	0.372	2.57
6)	T	Chloroethane	0.460	0.444	0.442	0.408	0.418	0.402	0.429	5.37
7)	T	Trichlorofluor...	0.882	0.903	0.904	0.834	0.858	0.825	0.868	3.93
8)	T	Diethyl Ether	0.372	0.397	0.383	0.363	0.384	0.369	0.378	3.28
9)	T	1,1,2-Trichlor...	0.554	0.567	0.563	0.519	0.546	0.520	0.545	3.83
10)	T	Methyl Iodide		0.720	0.729	0.683	0.722	0.679	0.707	3.35
11)	T	Tert butyl alc...		0.192	0.194	0.176	0.180	0.166	0.182	6.37
12)	CM	1,1-Dichloroet...	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.44#
13)	T	Acrolein		0.073	0.051	0.045	0.052	0.066	0.057	20.26
14)	T	Allyl chloride	0.985	0.911	0.925	0.865	0.905	0.947	0.923	4.40
15)	T	Acrylonitrile	0.434	0.434	0.445	0.407	0.423	0.404	0.425	3.82
16)	T	Acetone	0.426	0.366	0.366	0.322	0.334	0.316	0.355	11.53
17)	T	Carbon Disulfide	1.718	1.621	1.542	1.426	1.496	1.433	1.539	7.38
18)	T	Methyl Acetate	1.035	1.049	1.078	0.986	1.049	1.011	1.035	3.10
19)	T	Methyl tert-bu...	2.120	2.038	2.051	1.933	2.021	1.926	2.015	3.69
20)	T	Methylene Chlo...	0.822	0.688	0.643	0.605	0.629	0.601	0.665	12.52
21)	T	trans-1,2-Dich...	0.700	0.674	0.621	0.567	0.591	0.561	0.619	9.25
22)	T	Diisopropyl ether	2.018	2.020	2.036	1.856	1.915	1.828	1.945	4.70
23)	T	Vinyl Acetate	1.743	1.692	1.715	1.591	1.604	1.517	1.644	5.29
24)	P	1,1-Dichloroet...	1.192	1.152	1.156	1.063	1.110	1.043	1.120	5.17
25)	T	2-Butanone	0.604	0.598	0.604	0.551	0.573	0.533	0.577	5.18
26)	T	2,2-Dichloropr...	0.967	0.796	0.778	0.905	0.912	0.868	0.871	8.32
27)	T	cis-1,2-Dichlo...	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.93
28)	T	Bromochloromet...	0.579	0.564	0.616	0.466	0.517	0.560	0.550	9.48
29)	T	Tetrahydrofuran	0.390	0.390	0.399	0.358	0.372	0.346	0.376	5.46
30)	C	Chloroform	1.235	1.151	1.145	1.061	1.085	1.030	1.118	6.66#
31)	T	Cyclohexane		1.303	1.116	1.004	1.030	0.976	1.086	12.21
32)	T	1,1,1-Trichlor...	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.88
33)	S	1,2-Dichloroet...		0.732	0.707	0.500	0.656	0.751	0.669	15.08
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.303	0.310	0.219	0.298	0.351	0.296	16.15
36)	T	1,1-Dichloropr...	0.467	0.458	0.438	0.418	0.442	0.426	0.442	4.23
37)	T	Ethyl Acetate	0.544	0.615	0.577	0.536	0.565	0.535	0.562	5.48
38)	T	Carbon Tetrach...	0.453	0.449	0.434	0.409	0.435	0.421	0.433	3.88
39)	T	Methylcyclohexane	0.633	0.645	0.588	0.570	0.603	0.589	0.605	4.75
40)	TM	Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.20
41)	T	Methacrylonitrile	0.356	0.319	0.318	0.303	0.299	0.299	0.316	6.84
42)	TM	1,2-Dichloroet...	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.60
43)	T	Isopropyl Acetate	0.975	0.950	0.906	0.852	0.884	0.845	0.902	5.79
44)	TM	Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.327	0.342	4.17
45)	C	1,2-Dichloropr...	0.366	0.369	0.354	0.332	0.352	0.335	0.351	4.40#
46)	T	Dibromomethane	0.233	0.242	0.241	0.221	0.237	0.226	0.233	3.54
47)	T	Bromodichlorom...	0.510	0.484	0.480	0.457	0.483	0.465	0.480	3.80
48)	T	Methyl methacr...	0.444	0.415	0.421	0.394	0.421	0.397	0.415	4.40
49)	T	1,4-Dioxane	0.006	0.007	0.008	0.008	0.008	0.007	0.008	9.40
50)	S	Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.23
51)	T	4-Methyl-2-Pen...	0.505	0.549	0.576	0.538	0.562	0.528	0.543	4.64
52)	CM	Toluene	0.918	0.914	0.885	0.835	0.883	0.859	0.882	3.61#
53)	T	t-1,3-Dichloro...	0.571	0.526	0.524	0.522	0.548	0.530	0.537	3.59
54)	T	cis-1,3-Dichlo...	0.609	0.577	0.564	0.551	0.584	0.561	0.574	3.61
55)	T	1,1,2-Trichlor...	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.66
56)	T	Ethyl methacry...	0.433	0.516	0.567	0.556	0.595	0.578	0.541	10.92

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N060625W.M

57)	T	1,3-Dichloropr...	0.643	0.600	0.587	0.561	0.583	0.559	0.589	5.27
58)	T	2-Chloroethyl ...	0.278	0.305	0.334	0.274	0.340	0.405	0.323	15.07
59)	T	2-Hexanone	0.312	0.282	0.363	0.368	0.397	0.376	0.350	12.36
60)	T	Dibromochlorom...	0.361	0.351	0.358	0.340	0.363	0.349	0.354	2.49
61)	T	1,2-Dibromoethane	0.353	0.358	0.354	0.329	0.354	0.341	0.348	3.18
62)	S	4-Bromofluorob...		0.441	0.446	0.325	0.446	0.521	0.436	16.16
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.51
65)	PM	Chlorobenzene	1.233	1.135	1.107	1.023	1.089	1.030	1.103	7.01
66)	T	1,1,1,2-Tetrac...	0.362	0.374	0.358	0.338	0.356	0.338	0.354	3.99
67)	C	Ethyl Benzene	1.989	1.975	1.907	1.796	1.913	1.816	1.899	4.19#
68)	T	m/p-Xylenes	0.730	0.751	0.741	0.701	0.736	0.703	0.727	2.82
69)	T	o-Xylene	0.714	0.699	0.702	0.674	0.711	0.678	0.696	2.42
70)	T	Styrene	1.177	1.193	1.226	1.162	1.229	1.164	1.192	2.51
71)	P	Bromoform	0.217	0.266	0.276	0.265	0.286	0.267	0.263	9.09
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.864	3.749	3.649	3.426	3.621	3.546	3.643	4.21
74)	T	N-amyl acetate	1.376	1.110	1.187	1.266	1.372	1.327	1.273	8.42
75)	P	1,1,2,2-Tetrac...	1.292	1.299	1.273	1.178	1.205	1.157	1.234	4.99
76)	T	1,2,3-Trichlor...	1.297	1.189	1.129	1.173	1.201	1.142	1.189	5.03
77)	T	Bromobenzene	0.870	0.855	0.840	0.790	0.838	0.819	0.835	3.36
78)	T	n-propylbenzene	4.530	4.627	4.449	4.211	4.424	4.317	4.427	3.35
79)	T	2-Chlorotoluene	2.852	2.723	2.674	2.507	2.618	2.554	2.655	4.69
80)	T	1,3,5-Trimethy...	3.004	3.091	3.035	2.898	3.064	2.953	3.007	2.39
81)	T	trans-1,4-Dich...		0.510	0.522	0.476	0.546	0.528	0.516	5.06
82)	T	4-Chlorotoluene	2.899	2.757	2.671	2.531	2.664	2.595	2.686	4.81
83)	T	tert-Butylbenzene	2.942	2.810	2.736	2.617	2.745	2.668	2.753	4.14
84)	T	1,2,4-Trimethy...	2.952	3.122	3.063	2.914	3.075	2.968	3.016	2.73
85)	T	sec-Butylbenzene	4.114	4.126	4.037	3.829	4.018	3.861	3.998	3.15
86)	T	p-Isopropyltol...	3.305	3.425	3.321	3.184	3.366	3.227	3.305	2.68
87)	T	1,3-Dichlorobe...	1.763	1.709	1.657	1.554	1.612	1.566	1.644	5.01
88)	T	1,4-Dichlorobe...	1.820	1.786	1.657	1.572	1.642	1.576	1.676	6.27
89)	T	n-Butylbenzene	3.473	3.292	3.140	3.059	3.188	3.054	3.201	4.99
90)	T	Hexachloroethane	0.580	0.537	0.569	0.537	0.577	0.562	0.560	3.43
91)	T	1,2-Dichlorobe...	1.675	1.651	1.596	1.500	1.557	1.496	1.579	4.77
92)	T	1,2-Dibromo-3-...	0.339	0.317	0.290	0.272	0.283	0.270	0.295	9.29
93)	T	1,2,4-Trichlor...	1.042	1.037	0.991	0.969	1.016	0.994	1.008	2.82
94)	T	Hexachlorobuta...	0.364	0.391	0.385	0.363	0.382	0.369	0.376	3.11
95)	T	Naphthalene	3.820	3.727	3.761	3.600	3.839	3.772	3.753	2.27
96)	T	1,2,3-Trichlor...	1.073	1.009	0.993	0.950	1.000	0.987	1.002	4.05

(#) = Out of Range

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.235	168	212682	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	393457	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	348010	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167399	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.153	85	1985	0.936	ug/l		72
3) Chloromethane	2.400	50	3241	1.184	ug/l		98
4) Vinyl Chloride	2.559	62	2848	1.008	ug/l	#	88
6) Chloroethane	3.159	64	1957	1.073	ug/l	#	79
7) Trichlorofluoromethane	3.530	101	3752	1.017	ug/l		97
8) Diethyl Ether	3.994	74	1583	0.984	ug/l		76
9) 1,1,2-Trichlorotrifluo...	4.377	101	2358m	1.017	ug/l		
12) 1,1-Dichloroethene	4.365	96	2436	1.029	ug/l		85
14) Allyl chloride	5.041	41	4189	1.067	ug/l	#	75
15) Acrylonitrile	5.735	53	9222	5.106	ug/l		96
16) Acetone	4.459	43	9069	6.006	ug/l		95
17) Carbon Disulfide	4.730	76	7306	1.116	ug/l		97
18) Methyl Acetate	5.053	43	4402	1.000	ug/l	#	66
19) Methyl tert-butyl Ether	5.824	73	9019	1.052	ug/l		92
20) Methylene Chloride	5.294	84	3496	1.237	ug/l		93
21) trans-1,2-Dichloroethene	5.800	96	2979	1.131	ug/l		87
22) Diisopropyl ether	6.682	45	8584	1.037	ug/l	#	96
23) Vinyl Acetate	6.618	43	37075	5.303	ug/l		95
24) 1,1-Dichloroethane	6.588	63	5071	1.065	ug/l	#	81
25) 2-Butanone	7.500	43	12841	5.231	ug/l		93
26) 2,2-Dichloropropane	7.500	77	4112	1.110	ug/l		94
27) cis-1,2-Dichloroethene	7.494	96	3345	1.062	ug/l		95
28) Bromochloromethane	7.824	49	2464	1.052	ug/l	#	88
29) Tetrahydrofuran	7.853	42	8301	5.191	ug/l		100
30) Chloroform	7.971	83	5255	1.105	ug/l		97
32) 1,1,1-Trichloroethane	8.171	97	4378	1.082	ug/l	#	50
36) 1,1-Dichloropropene	8.376	75	3678	1.059	ug/l		96
37) Ethyl Acetate	7.577	43	4282	0.968	ug/l	#	78
38) Carbon Tetrachloride	8.376	117	3563	1.045	ug/l	#	93
39) Methylcyclohexane	9.606	83	4981	1.046	ug/l	#	90
40) Benzene	8.612	78	12498	1.100	ug/l		100
41) Methacrylonitrile	7.782	41	2799	1.127	ug/l		89
42) 1,2-Dichloroethane	8.682	62	3725	1.081	ug/l		82
43) Isopropyl Acetate	8.694	43	7673	1.081	ug/l	#	96
44) Trichloroethene	9.365	130	2822	1.047	ug/l		71
45) 1,2-Dichloropropane	9.629	63	2883	1.043	ug/l		95

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

	Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46)	Dibromomethane	9.712	93	1835	0.999	ug/l		94
47)	Bromodichloromethane	9.888	83	4017	1.063	ug/l	#	96
48)	Methyl methacrylate	9.688	41	3492	1.069	ug/l		88
49)	1,4-Dioxane	9.706	88	1004	16.891	ug/l	#	74
51)	4-Methyl-2-Pentanone	10.453	43	19886	4.653	ug/l		99
52)	Toluene	10.635	92	7227	1.041	ug/l		95
53)	t-1,3-Dichloropropene	10.841	75	4494	1.064	ug/l		97
54)	cis-1,3-Dichloropropene	10.312	75	4792	1.060	ug/l		97
55)	1,1,2-Trichloroethane	11.023	97	2828	1.058	ug/l		89
56)	Ethyl methacrylate	10.882	69	3406	0.800	ug/l	#	85
57)	1,3-Dichloropropane	11.170	76	5062	1.092	ug/l		98
58)	2-Chloroethyl Vinyl ether	10.165	63	10924	4.304	ug/l		97
59)	2-Hexanone	11.235	43	12295m	4.466	ug/l		
60)	Dibromochloromethane	11.359	129	2843	1.021	ug/l		96
61)	1,2-Dibromoethane	11.470	107	2777	1.014	ug/l		96
64)	Tetrachloroethene	11.106	164	2473	1.123	ug/l		94
65)	Chlorobenzene	11.894	112	8581	1.118	ug/l	#	87
66)	1,1,1,2-Tetrachloroethane	11.959	131	2523	1.023	ug/l	#	63
67)	Ethyl Benzene	11.970	91	13845	1.047	ug/l		94
68)	m/p-Xylenes	12.070	106	10163	2.008	ug/l		95
69)	o-Xylene	12.400	106	4970	1.025	ug/l		93
70)	Styrene	12.417	104	8189	0.987	ug/l		98
71)	Bromoform	12.582	173	1508	0.825	ug/l	#	78
73)	Isopropylbenzene	12.694	105	12938	1.061	ug/l		98
74)	N-amyl acetate	12.647	43	4608m	1.138	ug/l		
75)	1,1,2,2-Tetrachloroethane	12.935	83	4326	1.047	ug/l	#	93
76)	1,2,3-Trichloropropane	13.000	75	4343m	1.088	ug/l		
77)	Bromobenzene	12.982	156	2913	1.042	ug/l		96
78)	n-propylbenzene	13.035	91	15168	1.023	ug/l		98
79)	2-Chlorotoluene	13.123	91	9550	1.074	ug/l		97
80)	1,3,5-Trimethylbenzene	13.170	105	10058	0.999	ug/l		96
82)	4-Chlorotoluene	13.223	91	9706	1.079	ug/l		96
83)	tert-Butylbenzene	13.435	119	9849	1.069	ug/l		98
84)	1,2,4-Trimethylbenzene	13.482	105	9882	0.979	ug/l		99
85)	sec-Butylbenzene	13.617	105	13775	1.029	ug/l		100
86)	p-Isopropyltoluene	13.729	119	11065	1.000	ug/l		97
87)	1,3-Dichlorobenzene	13.735	146	5903	1.073	ug/l		94
88)	1,4-Dichlorobenzene	13.811	146	6094m	1.086	ug/l		
89)	n-Butylbenzene	14.058	91	11627	1.085	ug/l		94
90)	Hexachloroethane	14.329	117	1942	1.036	ug/l		93
91)	1,2-Dichlorobenzene	14.106	146	5607	1.061	ug/l		99
92)	1,2-Dibromo-3-Chloropr...	14.717	75	1136	1.150	ug/l		78
93)	1,2,4-Trichlorobenzene	15.388	180	3489	1.034	ug/l		98
94)	Hexachlorobutadiene	15.500	225	1219	0.969	ug/l		88
95)	Naphthalene	15.635	128	12789	1.018	ug/l		98
96)	1,2,3-Trichlorobenzene	15.835	180	3594	1.072	ug/l		96

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

ICAL Form

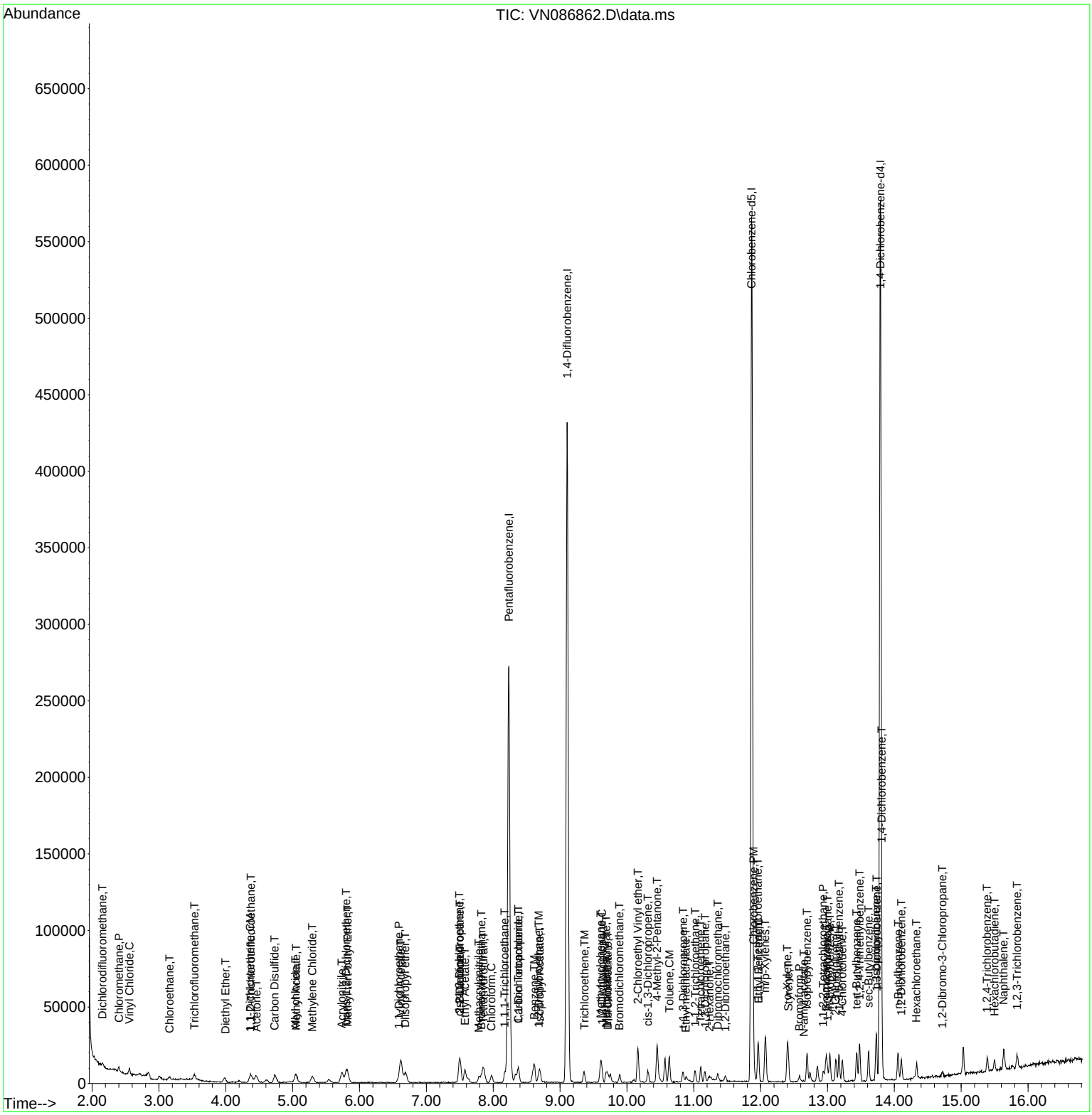
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086862.D
Acq On : 06 Jun 2025 12:44
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 07 01:54:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	229701	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	423980	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371851	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	181065	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	16818	5.468	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.940%#		
35) Dibromofluoromethane	8.177	113	12867	5.121	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.240%#		
50) Toluene-d8	10.571	98	52794	5.308	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	10.620%#		
62) 4-Bromofluorobenzene	12.847	95	18697	5.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	10.120%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	10196	4.452	ug/l	93
3) Chloromethane	2.395	50	15025	5.080	ug/l	98
4) Vinyl Chloride	2.554	62	15384	5.043	ug/l	97
5) Bromomethane	2.989	94	8606	5.041	ug/l	97
6) Chloroethane	3.154	64	10190	5.171	ug/l	96
7) Trichlorofluoromethane	3.518	101	20740	5.203	ug/l	99
8) Diethyl Ether	3.971	74	9121	5.252	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.401	101	13034	5.205	ug/l	97
10) Methyl Iodide	4.606	142	16530	5.092	ug/l	98
11) Tert butyl alcohol	5.542	59	22000	26.363	ug/l	99
12) 1,1-Dichloroethene	4.359	96	13610	5.323	ug/l	94
13) Acrolein	4.195	56	8401	31.804	ug/l	99
14) Allyl chloride	5.042	41	20925	4.935	ug/l	99
15) Acrylonitrile	5.736	53	49826	25.545	ug/l	99
16) Acetone	4.448	43	41981	25.741	ug/l	99
17) Carbon Disulfide	4.736	76	37246	5.267	ug/l	97
18) Methyl Acetate	5.048	43	24096	5.070	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	46823	5.058	ug/l	95
20) Methylene Chloride	5.300	84	15809	5.178	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	15480	5.442	ug/l #	81
22) Diisopropyl ether	6.689	45	46396	5.191	ug/l	99
23) Vinyl Acetate	6.618	43	194334	25.735	ug/l	100
24) 1,1-Dichloroethane	6.583	63	26473	5.147	ug/l	99
25) 2-Butanone	7.494	43	68629	25.888	ug/l	99
26) 2,2-Dichloropropane	7.500	77	18288	4.571	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	17594	5.172	ug/l	98
28) Bromochloromethane	7.830	49	12958	5.124	ug/l #	97
29) Tetrahydrofuran	7.853	42	44749	25.912	ug/l	98
30) Chloroform	7.977	83	26450	5.149	ug/l	95
31) Cyclohexane	8.271	56	29938	6.002	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	22857	5.232	ug/l #	50
36) 1,1-Dichloropropene	8.377	75	19410	5.184	ug/l	98
37) Ethyl Acetate	7.571	43	26073	5.470	ug/l	97
38) Carbon Tetrachloride	8.371	117	19056	5.184	ug/l	99
39) Methylcyclohexane	9.606	83	27353	5.333	ug/l	95
40) Benzene	8.612	78	63646	5.199	ug/l	98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	13518	5.050	ug/l		99
42) 1,2-Dichloroethane	8.683	62	19329	5.205	ug/l		98
43) Isopropyl Acetate	8.700	43	40268	5.264	ug/l		98
44) Trichloroethene	9.359	130	15245	5.251	ug/l		96
45) 1,2-Dichloropropane	9.624	63	15632	5.248	ug/l		99
46) Dibromomethane	9.718	93	10241	5.176	ug/l		99
47) Bromodichloromethane	9.888	83	20512	5.039	ug/l		97
48) Methyl methacrylate	9.688	41	17591	4.996	ug/l		94
49) 1,4-Dioxane	9.700	88	6141	95.874	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	116434	25.283	ug/l		97
52) Toluene	10.630	92	38744	5.178	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	22285	4.896	ug/l		98
54) cis-1,3-Dichloropropene	10.318	75	24477	5.026	ug/l		93
55) 1,1,2-Trichloroethane	11.018	97	15068	5.234	ug/l		97
56) Ethyl methacrylate	10.888	69	21893	4.774	ug/l		95
57) 1,3-Dichloropropane	11.165	76	25452	5.096	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	64722	23.664	ug/l		98
59) 2-Hexanone	11.212	43	59884	20.188	ug/l		99
60) Dibromochloromethane	11.359	129	14884	4.962	ug/l		98
61) 1,2-Dibromoethane	11.471	107	15172	5.141	ug/l		99
64) Tetrachloroethene	11.106	164	12322	5.236	ug/l		92
65) Chlorobenzene	11.894	112	42195	5.145	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.965	131	13897	5.271	ug/l		97
67) Ethyl Benzene	11.965	91	73443	5.199	ug/l		97
68) m/p-Xylenes	12.071	106	55859	10.330	ug/l		100
69) o-Xylene	12.400	106	26004	5.021	ug/l		96
70) Styrene	12.412	104	44380	5.008	ug/l		98
71) Bromoform	12.582	173	9890	5.063	ug/l	#	96
73) Isopropylbenzene	12.694	105	67878	5.146	ug/l		100
74) N-amyl acetate	12.559	43	20096m	4.590	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	23516	5.262	ug/l		98
76) 1,2,3-Trichloropropane	12.994	75	21527m	4.986	ug/l		
77) Bromobenzene	12.976	156	15485	5.119	ug/l		92
78) n-propylbenzene	13.035	91	83781	5.226	ug/l		99
79) 2-Chlorotoluene	13.124	91	49297	5.128	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	55961	5.139	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	9234	4.939	ug/l		94
82) 4-Chlorotoluene	13.223	91	49924	5.132	ug/l		100
83) tert-Butylbenzene	13.435	119	50874	5.103	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	56525	5.176	ug/l		100
85) sec-Butylbenzene	13.618	105	74711	5.161	ug/l		99
86) p-Isopropyltoluene	13.729	119	62016	5.182	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	30949	5.200	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	32342	5.330	ug/l		96
89) n-Butylbenzene	14.053	91	59601	5.142	ug/l		99
90) Hexachloroethane	14.335	117	9725	4.794	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	29897	5.228	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	5731	5.363	ug/l		93
93) 1,2,4-Trichlorobenzene	15.394	180	18778	5.143	ug/l		99
94) Hexachlorobutadiene	15.500	225	7072	5.199	ug/l		99
95) Naphthalene	15.641	128	67481	4.965	ug/l		99
96) 1,2,3-Trichlorobenzene	15.841	180	18262	5.034	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

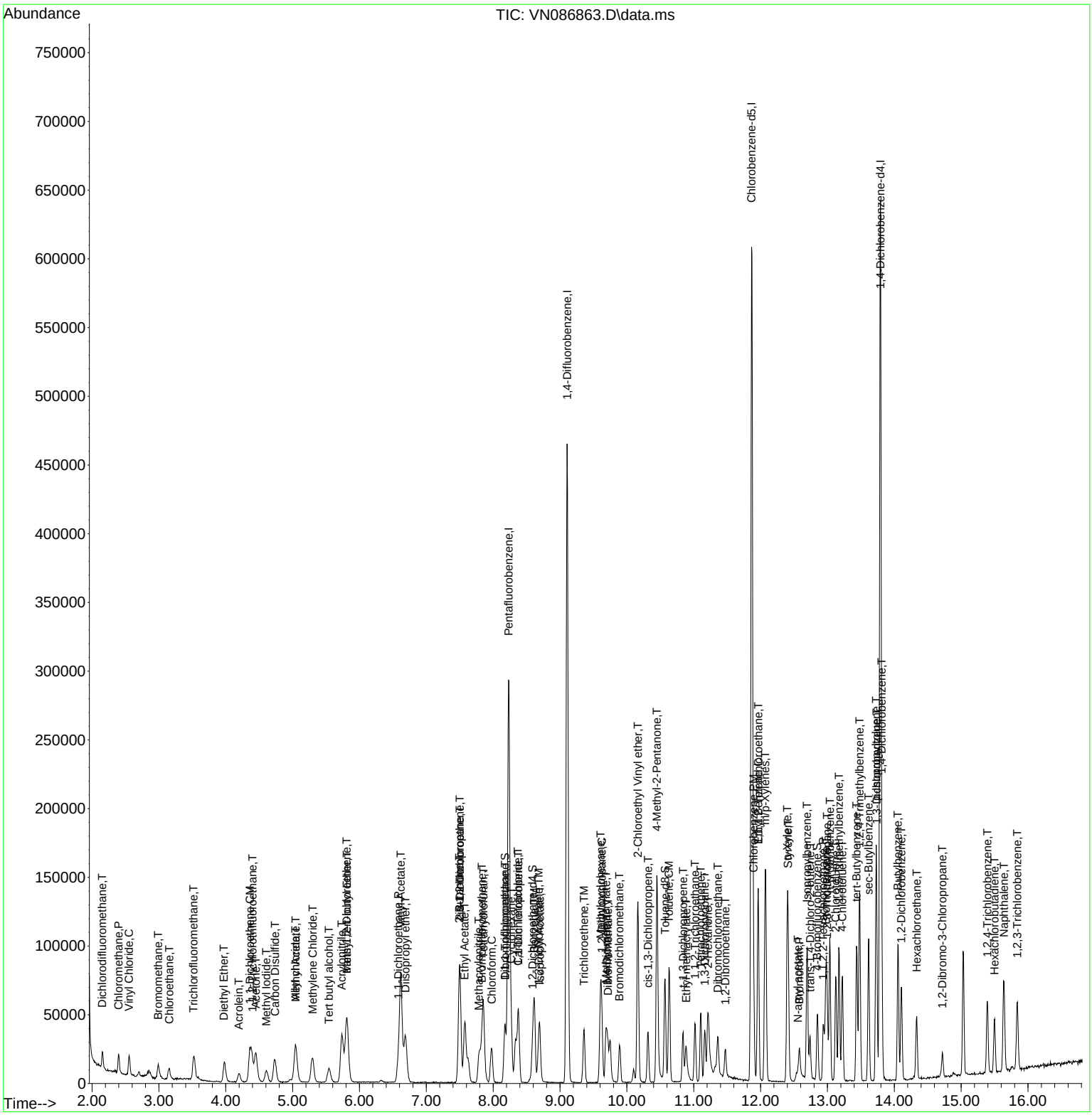
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086863.D
Acq On : 06 Jun 2025 13:17
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 07 01:55:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	224006	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	418154	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	363172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	181178	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	63390	21.136	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	42.280%#		
35) Dibromofluoromethane	8.177	113	51797	20.902	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	41.800%#		
50) Toluene-d8	10.571	98	201268	20.516	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	41.040%#		
62) 4-Bromofluorobenzene	12.853	95	74622	20.474	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	40.940%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.159	85	48254	21.605	ug/l	92
3) Chloromethane	2.401	50	57778	20.033	ug/l	93
4) Vinyl Chloride	2.559	62	61254	20.589	ug/l	99
5) Bromomethane	3.006	94	34022	20.435	ug/l	95
6) Chloroethane	3.159	64	39625	20.619	ug/l	99
7) Trichlorofluoromethane	3.524	101	80978	20.832	ug/l	94
8) Diethyl Ether	3.983	74	34288	20.245	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.395	101	50458	20.661	ug/l	98
10) Methyl Iodide	4.612	142	65360	20.646	ug/l	98
11) Tert butyl alcohol	5.547	59	87102	107.031	ug/l	99
12) 1,1-Dichloroethene	4.359	96	50485	20.249	ug/l	96
13) Acrolein	4.200	56	22866	88.767	ug/l	97
14) Allyl chloride	5.047	41	82924	20.055	ug/l	98
15) Acrylonitrile	5.742	53	199498	104.881	ug/l	99
16) Acetone	4.447	43	163979	103.099	ug/l	98
17) Carbon Disulfide	4.736	76	138195	20.038	ug/l	97
18) Methyl Acetate	5.047	43	96547	20.830	ug/l	99
19) Methyl tert-butyl Ether	5.818	73	183780	20.358	ug/l	98
20) Methylene Chloride	5.294	84	57611	19.348	ug/l	98
21) trans-1,2-Dichloroethene	5.806	96	55643	20.059	ug/l	94
22) Diisopropyl ether	6.689	45	182472	20.935	ug/l	98
23) Vinyl Acetate	6.624	43	768556	104.365	ug/l	99
24) 1,1-Dichloroethane	6.583	63	103578	20.650	ug/l	99
25) 2-Butanone	7.494	43	270477	104.621	ug/l	100
26) 2,2-Dichloropropane	7.506	77	69692	17.862	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	68292	20.585	ug/l	98
28) Bromochloromethane	7.824	49	55196	22.381	ug/l	99
29) Tetrahydrofuran	7.853	42	178571	106.031	ug/l	99
30) Chloroform	7.977	83	102615	20.485	ug/l	93
31) Cyclohexane	8.271	56	100026	20.563	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	86810	20.376	ug/l	98
36) 1,1-Dichloropropene	8.383	75	73252	19.838	ug/l	100
37) Ethyl Acetate	7.571	43	96467	20.522	ug/l	98
38) Carbon Tetrachloride	8.377	117	72628	20.034	ug/l	97
39) Methylcyclohexane	9.606	83	98425	19.455	ug/l	99
40) Benzene	8.612	78	241444	19.996	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	53244	20.169	ug/l		98
42) 1,2-Dichloroethane	8.677	62	74238	20.270	ug/l		100
43) Isopropyl Acetate	8.694	43	151601	20.094	ug/l		99
44) Trichloroethene	9.359	130	57110	19.946	ug/l		96
45) 1,2-Dichloropropane	9.630	63	59293	20.184	ug/l		97
46) Dibromomethane	9.712	93	40290	20.648	ug/l		98
47) Bromodichloromethane	9.894	83	80353	20.015	ug/l		98
48) Methyl methacrylate	9.682	41	70457	20.290	ug/l		97
49) 1,4-Dioxane	9.706	88	28231	446.886	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	481741	106.066	ug/l		99
52) Toluene	10.635	92	148000	20.056	ug/l		98
53) t-1,3-Dichloropropene	10.841	75	87683	19.532	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	94315	19.636	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	57195	20.143	ug/l		99
56) Ethyl methacrylate	10.882	69	94829	20.968	ug/l		98
57) 1,3-Dichloropropane	11.165	76	98205	19.938	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	278986	103.426	ug/l		99
59) 2-Hexanone	11.206	43	303686	103.803	ug/l		95
60) Dibromochloromethane	11.359	129	59961	20.268	ug/l		99
61) 1,2-Dibromoethane	11.471	107	59139	20.320	ug/l		97
64) Tetrachloroethene	11.106	164	45374	19.742	ug/l		96
65) Chlorobenzene	11.894	112	160803	20.076	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.959	131	52069	20.223	ug/l		99
67) Ethyl Benzene	11.965	91	277087	20.083	ug/l		98
68) m/p-Xylenes	12.071	106	215378	40.780	ug/l		100
69) o-Xylene	12.400	106	102050	20.175	ug/l		98
70) Styrene	12.412	104	178061	20.572	ug/l		99
71) Bromoform	12.576	173	40070	21.004	ug/l	#	99
73) Isopropylbenzene	12.694	105	264442	20.035	ug/l		100
74) N-amyl acetate	12.523	43	86003	19.633	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	92264	20.634	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	81846m	18.945	ug/l		
77) Bromobenzene	12.982	156	60877	20.111	ug/l		98
78) n-propylbenzene	13.035	91	322436	20.102	ug/l		100
79) 2-Chlorotoluene	13.123	91	193774	20.144	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	219937	20.183	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	37808	20.209	ug/l		92
82) 4-Chlorotoluene	13.223	91	193544	19.885	ug/l		99
83) tert-Butylbenzene	13.435	119	198303	19.880	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	221990	20.315	ug/l		100
85) sec-Butylbenzene	13.617	105	292563	20.196	ug/l		100
86) p-Isopropyltoluene	13.729	119	240682	20.099	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	120099	20.166	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	120102	19.780	ug/l		97
89) n-Butylbenzene	14.053	91	227536	19.617	ug/l		100
90) Hexachloroethane	14.335	117	41202	20.299	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	115645	20.212	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21025	19.661	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	71826	19.659	ug/l		98
94) Hexachlorobutadiene	15.500	225	27887	20.486	ug/l		97
95) Naphthalene	15.641	128	272584	20.043	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	71929	19.815	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

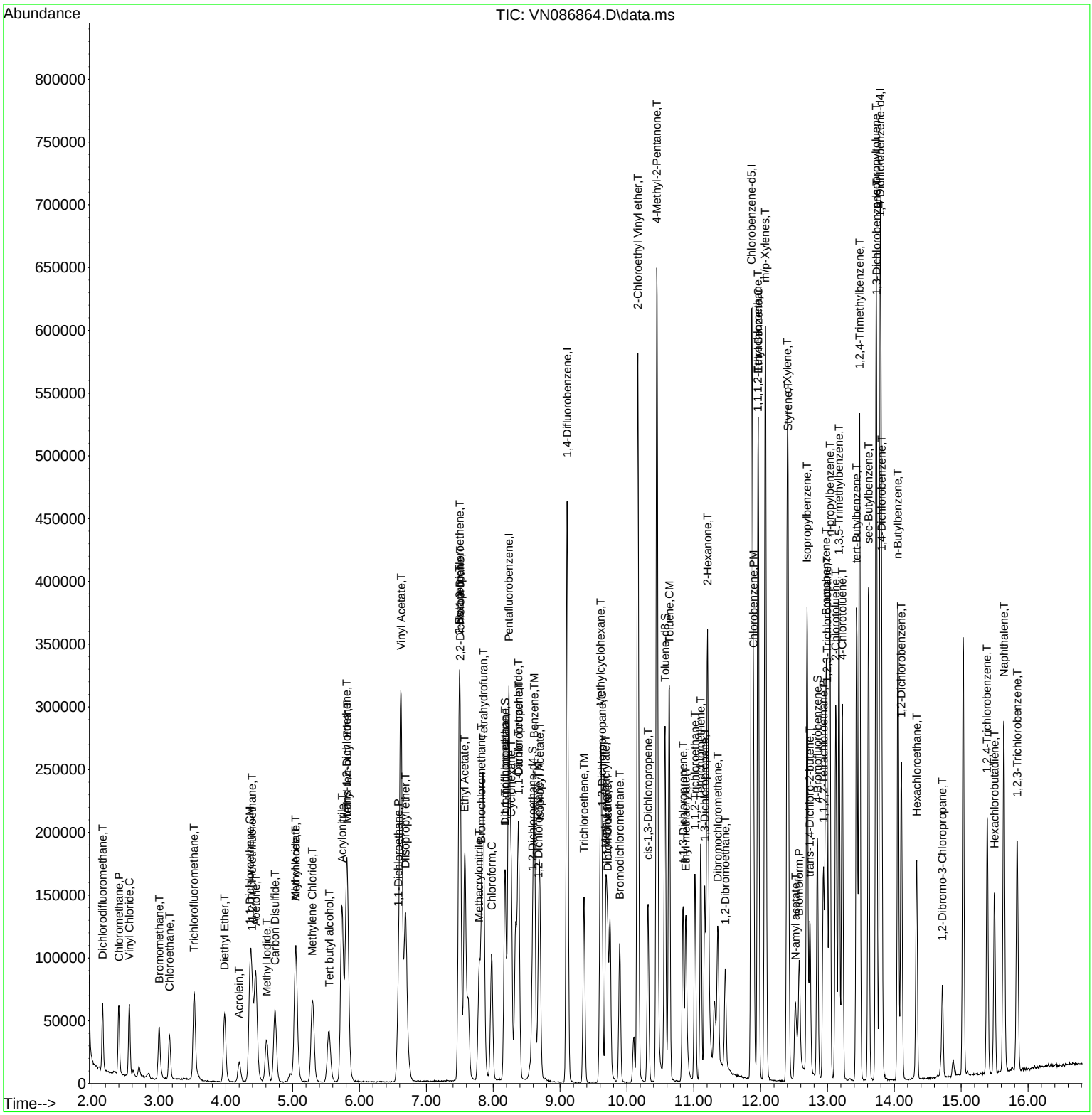
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086864.D
Acq On : 06 Jun 2025 13:40
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 07 01:56:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	207354	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378587	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	332766	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167532	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	103736	37.366	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 74.740%			
35) Dibromofluoromethane	8.171	113	83058	37.020	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 74.040%#			
50) Toluene-d8	10.571	98	326105	36.716	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 73.440%#			
62) 4-Bromofluorobenzene	12.847	95	122965	37.264	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 74.520%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	103958	50.283	ug/l	100
3) Chloromethane	2.395	50	123866	46.397	ug/l	100
4) Vinyl Chloride	2.554	62	132783	48.215	ug/l	100
5) Bromomethane	2.995	94	73974	47.999	ug/l	100
6) Chloroethane	3.154	64	84505	47.504	ug/l	100
7) Trichlorofluoromethane	3.524	101	172860	48.041	ug/l	100
8) Diethyl Ether	3.983	74	75193	47.963	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	107695	47.640	ug/l	100
10) Methyl Iodide	4.606	142	141678	48.346	ug/l	100
11) Tert butyl alcohol	5.548	59	182315	242.020	ug/l	100
12) 1,1-Dichloroethene	4.359	96	110549	47.900	ug/l	100
13) Acrolein	4.201	56	47026	197.217	ug/l	100
14) Allyl chloride	5.042	41	179313	46.848	ug/l	100
15) Acrylonitrile	5.742	53	421941	239.638	ug/l	100
16) Acetone	4.448	43	333857	226.765	ug/l	100
17) Carbon Disulfide	4.730	76	295753	46.328	ug/l	100
18) Methyl Acetate	5.042	43	204538	47.673	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	400775	47.960	ug/l	100
20) Methylene Chloride	5.295	84	125498	45.531	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	117660	45.822	ug/l	100
22) Diisopropyl ether	6.689	45	384939	47.711	ug/l	100
23) Vinyl Acetate	6.618	43	1649023	241.910	ug/l	100
24) 1,1-Dichloroethane	6.583	63	220477	47.485	ug/l	100
25) 2-Butanone	7.494	43	571221	238.693	ug/l	100
26) 2,2-Dichloropropane	7.500	77	187567	51.933	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	144911	47.189	ug/l	100
28) Bromochloromethane	7.824	49	96707	42.362	ug/l	100
29) Tetrahydrofuran	7.853	42	371357	238.210	ug/l	100
30) Chloroform	7.977	83	220093	47.467	ug/l	100
31) Cyclohexane	8.271	56	208105	46.217	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	185502	47.037	ug/l	100
36) 1,1-Dichloropropene	8.377	75	158341	47.362	ug/l	100
37) Ethyl Acetate	7.577	43	203091	47.720	ug/l	100
38) Carbon Tetrachloride	8.371	117	154677	47.126	ug/l	100
39) Methylcyclohexane	9.606	83	215849	47.126	ug/l	100
40) Benzene	8.612	78	509334	46.590	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	114727	48.000	ug/l		100
42) 1,2-Dichloroethane	8.677	62	155713	46.960	ug/l		100
43) Isopropyl Acetate	8.694	43	322741	47.248	ug/l		100
44) Trichloroethene	9.359	130	123847	47.776	ug/l		100
45) 1,2-Dichloropropane	9.630	63	125673	47.251	ug/l		100
46) Dibromomethane	9.718	93	83811	47.442	ug/l		100
47) Bromodichloromethane	9.894	83	173200	47.651	ug/l		100
48) Methyl methacrylate	9.683	41	149019	47.399	ug/l		100
49) 1,4-Dioxane	9.700	88	59060	1032.607	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	1017688	247.484	ug/l		100
52) Toluene	10.635	92	316219	47.331	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	197475	48.587	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	208523	47.950	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	121969	47.445	ug/l		100
56) Ethyl methacrylate	10.882	69	210467	51.401	ug/l		100
57) 1,3-Dichloropropane	11.165	76	212243	47.593	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.165	63	519139	212.570	ug/l		100
59) 2-Hexanone	11.200	43	696567	262.977	ug/l		100
60) Dibromochloromethane	11.359	129	128715	48.056	ug/l		100
61) 1,2-Dibromoethane	11.471	107	124522	47.258	ug/l		100
64) Tetrachloroethene	11.106	164	97679	46.382	ug/l		100
65) Chlorobenzene	11.894	112	340439	46.386	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.965	131	112333	47.615	ug/l		100
67) Ethyl Benzene	11.965	91	597593	47.271	ug/l		100
68) m/p-Xylenes	12.071	106	466620	96.424	ug/l		100
69) o-Xylene	12.400	106	224299	48.395	ug/l		100
70) Styrene	12.412	104	386596	48.745	ug/l		100
71) Bromoform	12.582	173	88127	50.415	ug/l	#	100
73) Isopropylbenzene	12.694	105	573905	47.023	ug/l		100
74) N-amyl acetate	12.512	43	212064	52.353	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	197360	47.732	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	196473m	49.183	ug/l		
77) Bromobenzene	12.982	156	132381	47.296	ug/l		100
78) n-propylbenzene	13.035	91	705524	47.567	ug/l		100
79) 2-Chlorotoluene	13.124	91	419986	47.216	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	485499	48.181	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	79732	46.089	ug/l		100
82) 4-Chlorotoluene	13.224	91	424066	47.117	ug/l		100
83) tert-Butylbenzene	13.435	119	438417	47.531	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	488189	48.314	ug/l		100
85) sec-Butylbenzene	13.618	105	641523	47.893	ug/l		100
86) p-Isopropyltoluene	13.729	119	533366	48.169	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	260310	47.269	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	263358	46.907	ug/l		100
89) n-Butylbenzene	14.053	91	512519	47.787	ug/l		100
90) Hexachloroethane	14.335	117	89896	47.896	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	251235	47.486	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.718	75	45535	46.049	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	162374	48.061	ug/l		100
94) Hexachlorobutadiene	15.500	225	60866	48.356	ug/l		100
95) Naphthalene	15.641	128	603088	47.958	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	159113	47.402	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

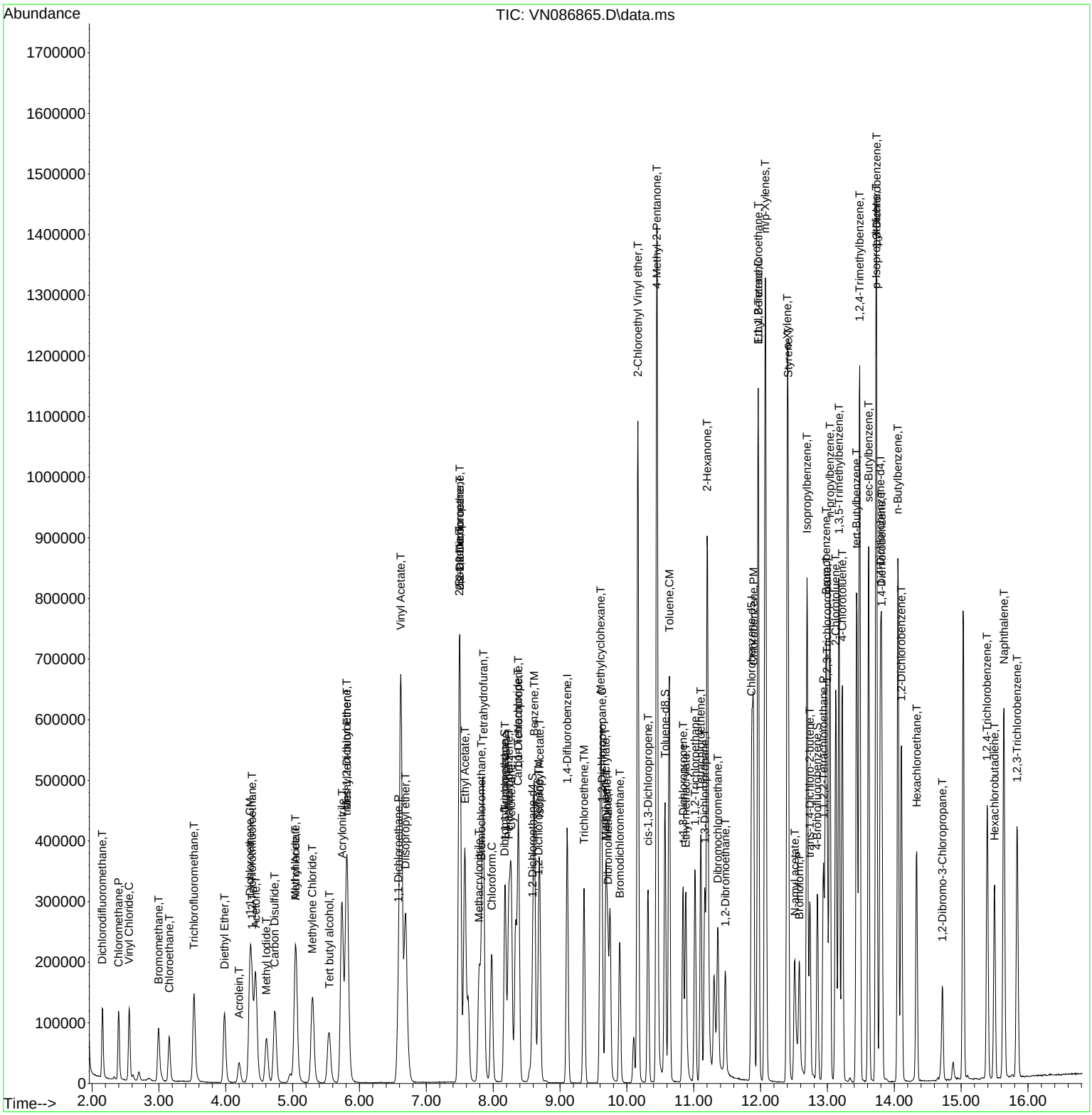
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086865.D
Acq On : 06 Jun 2025 14:03
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 07 01:57:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	181996	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	327782	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	290313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	147098	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	238957	98.065	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 196.120%#			
35) Dibromofluoromethane	8.177	113	195212	100.495	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 200.980%#			
50) Toluene-d8	10.570	98	772210	100.419	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 200.840%#			
62) 4-Bromofluorobenzene	12.847	95	292385	102.339	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 204.680%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	194799	107.350	ug/l	100
3) Chloromethane	2.395	50	224558	95.833	ug/l	98
4) Vinyl Chloride	2.553	62	245135	101.414	ug/l	98
5) Bromomethane	2.977	94	137967	101.996	ug/l	99
6) Chloroethane	3.147	64	152150	97.447	ug/l	97
7) Trichlorofluoromethane	3.524	101	312394	98.917	ug/l	99
8) Diethyl Ether	3.983	74	139844	101.631	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.389	101	198739	100.163	ug/l	99
10) Methyl Iodide	4.612	142	262771	102.162	ug/l	99
11) Tert butyl alcohol	5.547	59	327987	496.062	ug/l	99
12) 1,1-Dichloroethene	4.359	96	200212	98.838	ug/l	99
13) Acrolein	4.200	56	94171	449.961	ug/l	98
14) Allyl chloride	5.047	41	329412	98.055	ug/l	99
15) Acrylonitrile	5.735	53	770470	498.552	ug/l	99
16) Acetone	4.447	43	608178	470.648	ug/l	98
17) Carbon Disulfide	4.736	76	544511	97.179	ug/l	100
18) Methyl Acetate	5.047	43	381808	101.390	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	735694	100.306	ug/l	100
20) Methylene Chloride	5.294	84	228800	94.575	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	215177	95.476	ug/l	99
22) Diisopropyl ether	6.688	45	696881	98.409	ug/l	98
23) Vinyl Acetate	6.618	43	2919350	487.936	ug/l	100
24) 1,1-Dichloroethane	6.588	63	404207	99.186	ug/l	99
25) 2-Butanone	7.494	43	1043385	496.743	ug/l	100
26) 2,2-Dichloropropane	7.500	77	331995	104.729	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	265248	98.410	ug/l	99
28) Bromochloromethane	7.824	49	188050	93.851	ug/l	99
29) Tetrahydrofuran	7.847	42	677636	495.240	ug/l	99
30) Chloroform	7.977	83	394927	97.040	ug/l	99
31) Cyclohexane	8.265	56	374933	94.869	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	336819	97.306	ug/l	99
36) 1,1-Dichloropropene	8.382	75	289907	100.156	ug/l	99
37) Ethyl Acetate	7.571	43	370652	100.591	ug/l	99
38) Carbon Tetrachloride	8.371	117	285325	100.404	ug/l	98
39) Methylcyclohexane	9.606	83	395603	99.758	ug/l	99
40) Benzene	8.612	78	927083	97.946	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.794	41	195946	94.688	ug/l		95
42) 1,2-Dichloroethane	8.676	62	282015	98.232	ug/l		100
43) Isopropyl Acetate	8.694	43	579464	97.981	ug/l		99
44) Trichloroethene	9.359	130	222822	99.280	ug/l		97
45) 1,2-Dichloropropane	9.629	63	230454	100.077	ug/l		98
46) Dibromomethane	9.712	93	155530	101.685	ug/l		99
47) Bromodichloromethane	9.894	83	316375	100.533	ug/l		100
48) Methyl methacrylate	9.682	41	275710	101.288	ug/l		99
49) 1,4-Dioxane	9.706	88	104771	2115.744	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1843274	517.729	ug/l		99
52) Toluene	10.635	92	578978	100.092	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	359200	102.077	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	383030	101.730	ug/l		99
55) 1,1,2-Trichloroethane	11.017	97	219922	98.808	ug/l		98
56) Ethyl methacrylate	10.882	69	389802	109.955	ug/l		99
57) 1,3-Dichloropropane	11.165	76	382510	99.069	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	1113523	526.621	ug/l		100
59) 2-Hexanone	11.200	43	1301539	567.535	ug/l		99
60) Dibromochloromethane	11.359	129	237965	102.616	ug/l		100
61) 1,2-Dibromoethane	11.470	107	232214	101.787	ug/l		98
64) Tetrachloroethene	11.106	164	181568	98.824	ug/l		94
65) Chlorobenzene	11.894	112	632563	98.793	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	206895	100.521	ug/l		100
67) Ethyl Benzene	11.964	91	1110803	100.717	ug/l		99
68) m/p-Xylenes	12.070	106	854557	202.411	ug/l		99
69) o-Xylene	12.400	106	412719	102.070	ug/l		100
70) Styrene	12.412	104	713548	103.127	ug/l		100
71) Bromoform	12.576	173	165781	108.707	ug/l	#	99
73) Isopropylbenzene	12.694	105	1065297	99.410	ug/l		100
74) N-amyl acetate	12.506	43	403587	113.475	ug/l		98
75) 1,1,2,2-Tetrachloroethane	12.941	83	354386	97.616	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	353334m	100.738	ug/l		
77) Bromobenzene	12.982	156	246413	100.266	ug/l		99
78) n-propylbenzene	13.035	91	1301631	99.948	ug/l		100
79) 2-Chlorotoluene	13.123	91	770308	98.630	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	901317	101.873	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	160736	105.820	ug/l		92
82) 4-Chlorotoluene	13.223	91	783657	99.166	ug/l		100
83) tert-Butylbenzene	13.435	119	807528	99.710	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	904794	101.983	ug/l		100
85) sec-Butylbenzene	13.617	105	1182155	100.513	ug/l		99
86) p-Isopropyltoluene	13.729	119	990273	101.857	ug/l		100
87) 1,3-Dichlorobenzene	13.735	146	474162	98.063	ug/l		100
88) 1,4-Dichlorobenzene	13.811	146	483003	97.978	ug/l		99
89) n-Butylbenzene	14.053	91	937913	99.598	ug/l		100
90) Hexachloroethane	14.335	117	169772	103.019	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	458049	98.602	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	83243	95.877	ug/l		96
93) 1,2,4-Trichlorobenzene	15.394	180	298870	100.751	ug/l		99
94) Hexachlorobutadiene	15.500	225	112496	101.789	ug/l		98
95) Naphthalene	15.641	128	1129434	102.290	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	294127	99.796	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

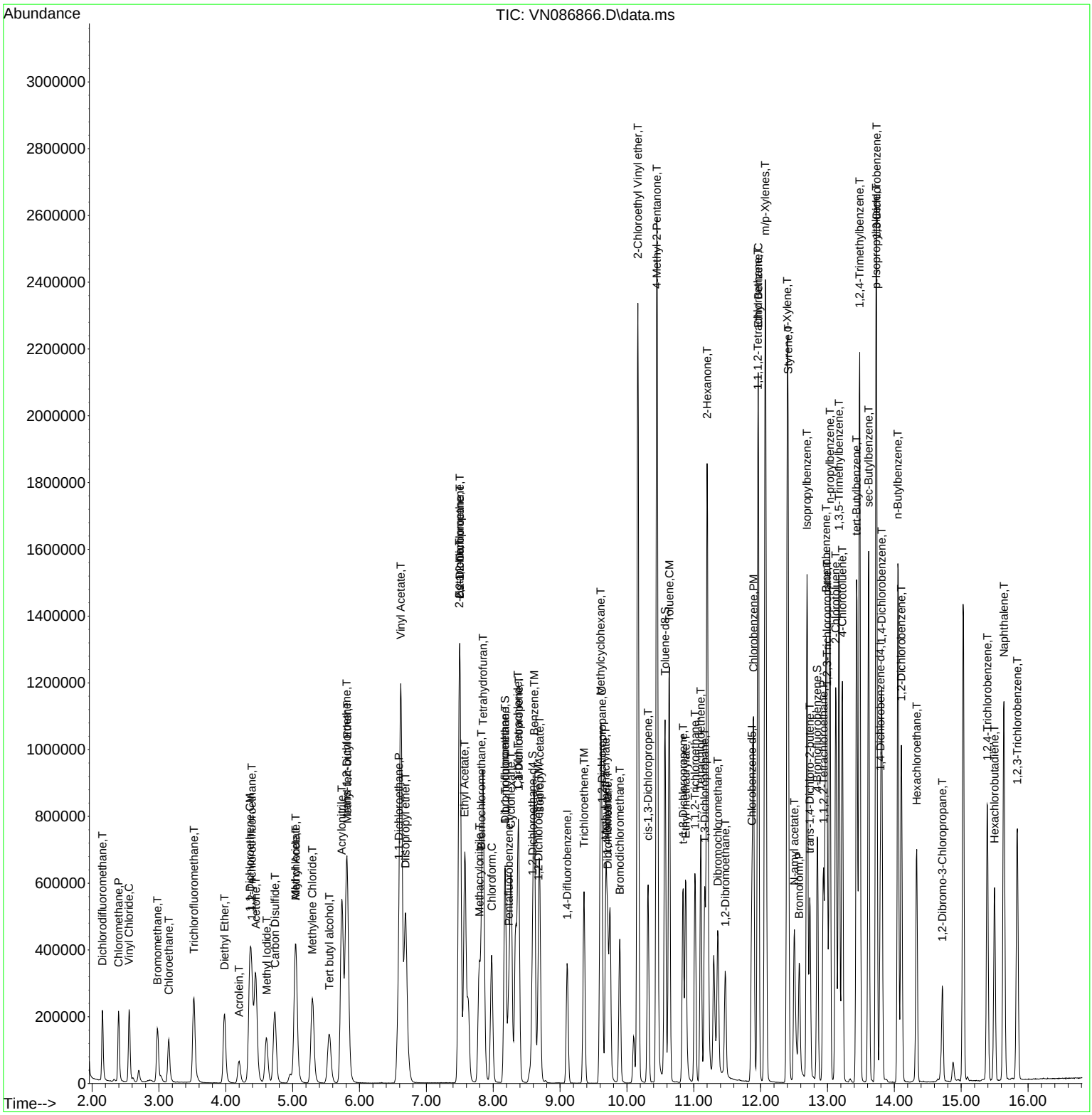
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086866.D
Acq On : 06 Jun 2025 14:26
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 07 01:58:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	172832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	307937	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	278552	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	136630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	389297	168.233	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 336.460%#			
35) Dibromofluoromethane	8.176	113	324474	177.803	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 355.600%#			
50) Toluene-d8	10.570	98	1272348	176.120	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 352.240%#			
62) 4-Bromofluorobenzene	12.847	95	481421	179.364	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 358.720%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	262143	152.122	ug/l	100
3) Chloromethane	2.394	50	304558	136.865	ug/l	100
4) Vinyl Chloride	2.553	62	335834	146.303	ug/l	100
5) Bromomethane	2.965	94	190786	148.522	ug/l	98
6) Chloroethane	3.136	64	208568	140.664	ug/l	96
7) Trichlorofluoromethane	3.518	101	427871	142.666	ug/l	100
8) Diethyl Ether	3.983	74	191555	146.593	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.388	101	269810	143.192	ug/l	100
10) Methyl Iodide	4.606	142	352020	144.118	ug/l	99
11) Tert butyl alcohol	5.553	59	430866	686.213	ug/l	100
12) 1,1-Dichloroethene	4.353	96	273388	142.118	ug/l	98
13) Acrolein	4.194	56	171625	863.526	ug/l	99
14) Allyl chloride	5.035	41	490852	153.858	ug/l	92
15) Acrylonitrile	5.735	53	1048372	714.344	ug/l	99
16) Acetone	4.447	43	819041	667.435	ug/l	100
17) Carbon Disulfide	4.730	76	742788	139.594	ug/l	100
18) Methyl Acetate	5.041	43	523996	146.527	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	998781	143.396	ug/l	99
20) Methylene Chloride	5.300	84	311597	135.628	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	290960	135.947	ug/l	97
22) Diisopropyl ether	6.688	45	947638	140.915	ug/l	98
23) Vinyl Acetate	6.618	43	3932872	692.189	ug/l	99
24) 1,1-Dichloroethane	6.582	63	540881	139.761	ug/l	99
25) 2-Butanone	7.494	43	1381940	692.809	ug/l	99
26) 2,2-Dichloropropane	7.500	77	450112	149.519	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	363398	141.974	ug/l	99
28) Bromochloromethane	7.824	49	290594	152.718	ug/l	98
29) Tetrahydrofuran	7.847	42	898159	691.211	ug/l	98
30) Chloroform	7.976	83	534038	138.179	ug/l	97
31) Cyclohexane	8.265	56	505795	134.766	ug/l	96
32) 1,1,1-Trichloroethane	8.176	97	462854	140.807	ug/l	99
36) 1,1-Dichloropropene	8.376	75	393166	144.584	ug/l	100
37) Ethyl Acetate	7.571	43	494000	142.706	ug/l	99
38) Carbon Tetrachloride	8.371	117	388595	145.557	ug/l	98
39) Methylcyclohexane	9.606	83	544437	146.136	ug/l	97
40) Benzene	8.612	78	1266139	142.388	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.788	41	276400	142.174 ug/l	98
42) 1,2-Dichloroethane	8.676	62	381516	141.455 ug/l	100
43) Isopropyl Acetate	8.694	43	780791	140.531 ug/l	99
44) Trichloroethene	9.359	130	302548	143.490 ug/l	96
45) 1,2-Dichloropropane	9.623	63	309047	142.856 ug/l	100
46) Dibromomethane	9.712	93	208461	145.074 ug/l	100
47) Bromodichloromethane	9.894	83	430011	145.449 ug/l	100
48) Methyl methacrylate	9.688	41	366967	143.502 ug/l	99
49) 1,4-Dioxane	9.712	88	138035	2967.116 ug/l #	100
51) 4-Methyl-2-Pentanone	10.447	43	2438311	728.995 ug/l	98
52) Toluene	10.635	92	793270	145.976 ug/l	100
53) t-1,3-Dichloropropene	10.841	75	489809	148.163 ug/l	97
54) cis-1,3-Dichloropropene	10.318	75	518092	146.469 ug/l	99
55) 1,1,2-Trichloroethane	11.017	97	298151	142.588 ug/l	99
56) Ethyl methacrylate	10.876	69	533912	160.311 ug/l	98
57) 1,3-Dichloropropane	11.165	76	516391	142.363 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.165	63	1869543	941.147 ug/l	99
59) 2-Hexanone	11.200	43	1735777	805.662 ug/l	99
60) Dibromochloromethane	11.365	129	322064	147.832 ug/l	98
61) 1,2-Dibromoethane	11.470	107	314606	146.790 ug/l	99
64) Tetrachloroethene	11.106	164	245122	139.048 ug/l	97
65) Chlorobenzene	11.894	112	860345	140.041 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	282739	143.171 ug/l	99
67) Ethyl Benzene	11.964	91	1517883	143.438 ug/l	98
68) m/p-Xylenes	12.070	106	1175378	290.155 ug/l	99
69) o-Xylene	12.400	106	566301	145.966 ug/l	100
70) Styrene	12.411	104	972318	146.459 ug/l	100
71) Bromoform	12.582	173	223200	152.538 ug/l #	99
73) Isopropylbenzene	12.694	105	1453651	146.042 ug/l	100
74) N-amyl acetate	12.500	43	543747	164.596 ug/l	96
75) 1,1,2,2-Tetrachloroethane	12.941	83	474426	140.693 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	468041m	143.665 ug/l	
77) Bromobenzene	12.982	156	335734	147.077 ug/l	98
78) n-propylbenzene	13.035	91	1769694	146.301 ug/l	99
79) 2-Chlorotoluene	13.123	91	1046916	144.317 ug/l	99
80) 1,3,5-Trimethylbenzene	13.170	105	1210325	147.279 ug/l	100
81) trans-1,4-Dichloro-2-b...	12.735	75	216253	153.277 ug/l	95
82) 4-Chlorotoluene	13.223	91	1063581	144.900 ug/l	100
83) tert-Butylbenzene	13.435	119	1093406	145.352 ug/l	100
84) 1,2,4-Trimethylbenzene	13.482	105	1216529	147.626 ug/l	100
85) sec-Butylbenzene	13.617	105	1582762	144.885 ug/l	99
86) p-Isopropyltoluene	13.729	119	1322780	146.482 ug/l	99
87) 1,3-Dichlorobenzene	13.735	146	641966	142.939 ug/l	100
88) 1,4-Dichlorobenzene	13.811	146	646188	141.124 ug/l	99
89) n-Butylbenzene	14.053	91	1251819	143.117 ug/l	100
90) Hexachloroethane	14.335	117	230195	150.387 ug/l	98
91) 1,2-Dichlorobenzene	14.105	146	613177	142.108 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	110677	137.242 ug/l	96
93) 1,2,4-Trichlorobenzene	15.394	180	407621	147.940 ug/l	99
94) Hexachlorobutadiene	15.500	225	151172	147.264 ug/l	98
95) Naphthalene	15.641	128	1545981	150.743 ug/l	100
96) 1,2,3-Trichlorobenzene	15.841	180	404450	147.743 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

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

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

ICAL Form

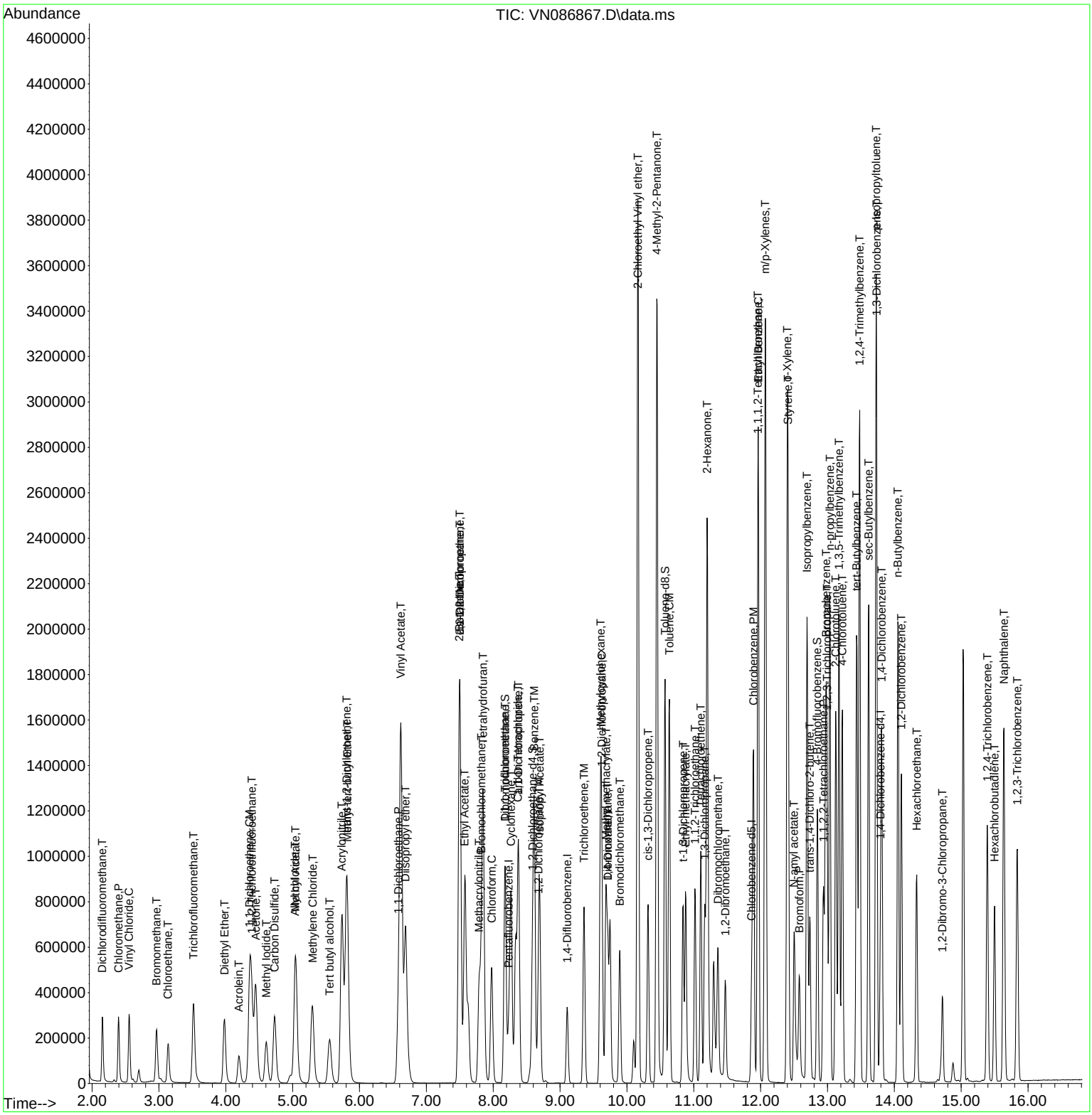
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086867.D
Acq On : 06 Jun 2025 14:49
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 07 01:59:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 01:51:02 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	218122	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	394140	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348935	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	172710	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	152255	52.135	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.260%			
35) Dibromofluoromethane	8.177	113	127102	54.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.840%			
50) Toluene-d8	10.571	98	491265	53.129	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 106.260%			
62) 4-Bromofluorobenzene	12.847	95	185792	54.081	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120237	55.286	ug/l	99
3) Chloromethane	2.401	50	139027	49.505	ug/l	99
4) Vinyl Chloride	2.554	62	151951	52.451	ug/l	99
5) Bromomethane	2.989	94	89638	55.292	ug/l	95
6) Chloroethane	3.154	64	95654	51.117	ug/l	96
7) Trichlorofluoromethane	3.524	101	196138	51.819	ug/l	97
8) Diethyl Ether	3.983	74	87405	53.001	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.395	101	127498	53.615	ug/l	99
10) Methyl Iodide	4.612	142	164080	53.227	ug/l	97
11) Tert butyl alcohol	5.542	59	207768	262.193	ug/l	99
12) 1,1-Dichloroethene	4.359	96	125461	51.678	ug/l	99
13) Acrolein	4.195	56	60336	240.545	ug/l	98
14) Allyl chloride	5.042	41	203344	50.504	ug/l	98
15) Acrylonitrile	5.736	53	479502	258.885	ug/l	100
16) Acetone	4.448	43	382146	246.750	ug/l	98
17) Carbon Disulfide	4.736	76	339466	50.550	ug/l	100
18) Methyl Acetate	5.042	43	234290	51.912	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	454641	51.720	ug/l	100
20) Methylene Chloride	5.295	84	143862	49.617	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	133535	49.437	ug/l	99
22) Diisopropyl ether	6.689	45	440080	51.853	ug/l	99
23) Vinyl Acetate	6.618	43	1828919	255.055	ug/l	99
24) 1,1-Dichloroethane	6.589	63	251473	51.487	ug/l	98
25) 2-Butanone	7.494	43	644194	255.897	ug/l	99
26) 2,2-Dichloropropane	7.500	77	216678	57.031	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	164985	51.073	ug/l	99
28) Bromochloromethane	7.824	49	108810	45.310	ug/l	99
29) Tetrahydrofuran	7.847	42	420891	256.656	ug/l	100
30) Chloroform	7.977	83	248429	50.933	ug/l	97
31) Cyclohexane	8.265	56	237836	50.212	ug/l	97
32) 1,1,1-Trichloroethane	8.177	97	209927	50.603	ug/l	97
36) 1,1-Dichloropropene	8.377	75	181414	52.123	ug/l	99
37) Ethyl Acetate	7.571	43	222090	50.125	ug/l	99
38) Carbon Tetrachloride	8.371	117	179281	52.466	ug/l	98
39) Methylcyclohexane	9.606	83	251231	52.686	ug/l	98
40) Benzene	8.612	78	579667	50.931	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	130903	52.607	ug/l		100
42) 1,2-Dichloroethane	8.677	62	177746	51.489	ug/l		100
43) Isopropyl Acetate	8.694	43	359378	50.536	ug/l		100
44) Trichloroethene	9.359	130	139763	51.788	ug/l		100
45) 1,2-Dichloropropane	9.624	63	142463	51.450	ug/l		99
46) Dibromomethane	9.712	93	97199	52.849	ug/l		98
47) Bromodichloromethane	9.894	83	196104	51.824	ug/l		100
48) Methyl methacrylate	9.688	41	168001	51.328	ug/l		98
49) 1,4-Dioxane	9.706	88	66102	1110.123	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	1146622	267.835	ug/l		99
52) Toluene	10.635	92	361963	52.040	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	224839	53.137	ug/l		99
54) cis-1,3-Dichloropropene	10.318	75	237774	52.519	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	137998	51.562	ug/l		99
56) Ethyl methacrylate	10.882	69	241649	56.688	ug/l		98
57) 1,3-Dichloropropane	11.165	76	238572	51.386	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	625479	246.006	ug/l		100
59) 2-Hexanone	11.200	43	781717	283.478	ug/l		100
60) Dibromochloromethane	11.359	129	146749	52.627	ug/l		99
61) 1,2-Dibromoethane	11.471	107	142338	51.887	ug/l		99
64) Tetrachloroethene	11.106	164	111409	50.450	ug/l		98
65) Chlorobenzene	11.894	112	391661	50.892	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	129045	52.164	ug/l		99
67) Ethyl Benzene	11.965	91	683879	51.590	ug/l		98
68) m/p-Xylenes	12.071	106	527293	103.912	ug/l		98
69) o-Xylene	12.400	106	254600	52.387	ug/l		100
70) Styrene	12.412	104	438751	52.758	ug/l		99
71) Bromoform	12.582	173	100357	54.751	ug/l	#	99
73) Isopropylbenzene	12.694	105	652045	51.823	ug/l		100
74) N-amyl acetate	12.506	43	238355	54.212	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.941	83	220643	51.763	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	220957m	53.821	ug/l		
77) Bromobenzene	12.982	156	150950	52.313	ug/l		100
78) n-propylbenzene	13.035	91	801180	52.397	ug/l		100
79) 2-Chlorotoluene	13.123	91	473629	51.650	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	548347	52.787	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	99341	55.702	ug/l		97
82) 4-Chlorotoluene	13.223	91	481403	51.884	ug/l		99
83) tert-Butylbenzene	13.441	119	499519	52.532	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	552333	53.024	ug/l		100
85) sec-Butylbenzene	13.618	105	723986	52.428	ug/l		100
86) p-Isopropyltoluene	13.729	119	606979	53.174	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	290810	51.224	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	298412	51.557	ug/l		100
89) n-Butylbenzene	14.059	91	579636	52.424	ug/l		100
90) Hexachloroethane	14.335	117	102254	52.847	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	280025	51.340	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.723	75	50115	49.161	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	181064	51.986	ug/l		99
94) Hexachlorobutadiene	15.500	225	68570	52.843	ug/l		99
95) Naphthalene	15.641	128	674187	52.005	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	174888	50.539	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

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

ICAL Form

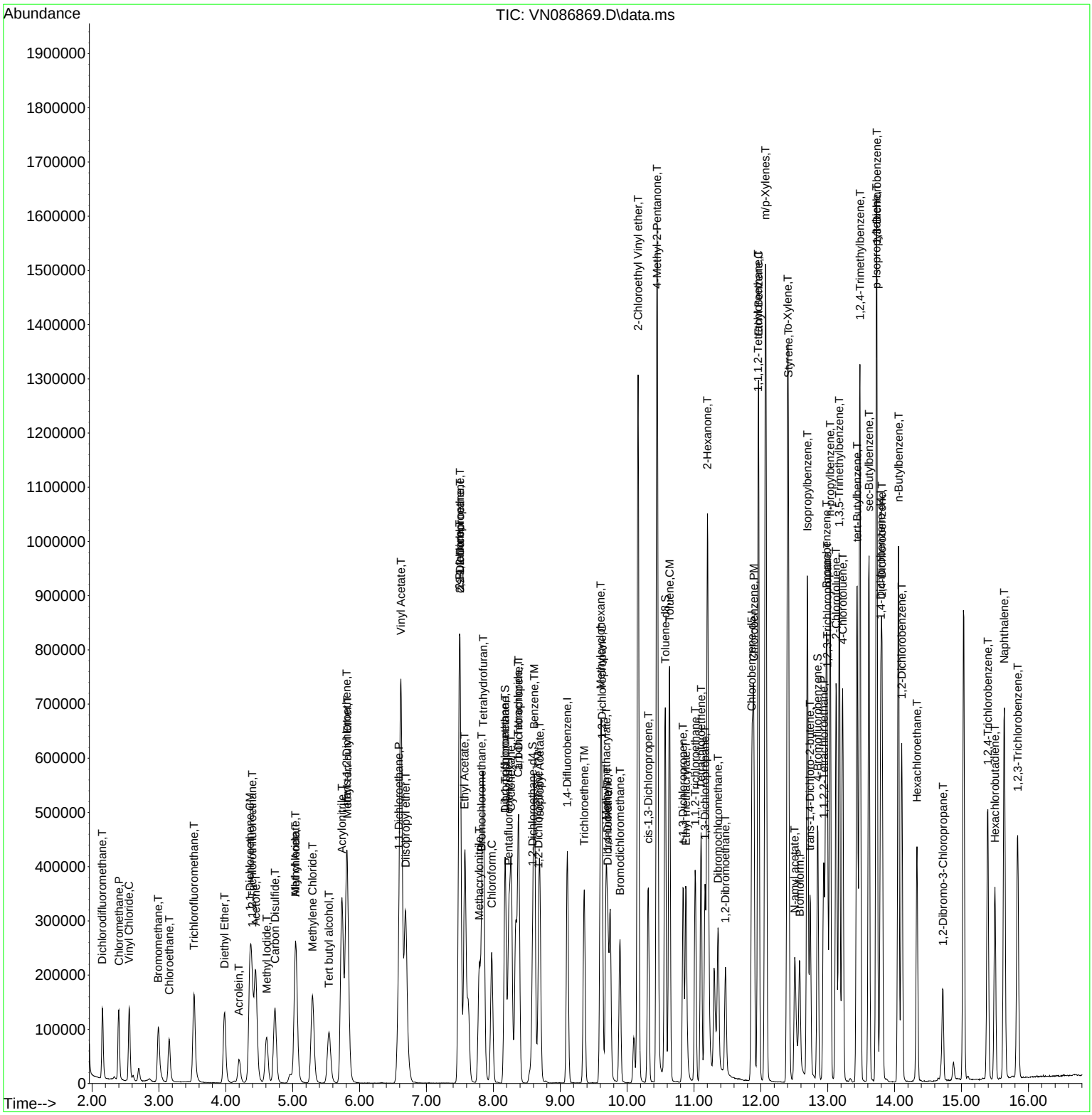
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	0.499	0.551	-10.4	116	0.00
3	P	Chloromethane	0.644	0.637	1.1	112	0.00
4	C	Vinyl Chloride	0.664	0.697	-5.0#	114	0.00
5	T	Bromomethane	0.372	0.411	-10.5	121	0.00
6	T	Chloroethane	0.429	0.439	-2.3	113	0.00
7	T	Trichlorofluoromethane	0.868	0.899	-3.6	113	0.00
8	T	Diethyl Ether	0.378	0.401	-6.1	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.585	-7.3	118	0.00
10	T	Methyl Iodide	0.707	0.752	-6.4	116	0.00
11	T	Tert butyl alcohol	0.182	0.191	-4.9	114	0.00
12	CM	1,1-Dichloroethene	0.557	0.575	-3.2#	113	0.00
13	T	Acrolein	0.057	0.055	3.5	128	0.00
14	T	Allyl chloride	0.923	0.932	-1.0	113	0.00
15	T	Acrylonitrile	0.425	0.440	-3.5	114	0.00
16	T	Acetone	0.355	0.350	1.4	114	0.00
17	T	Carbon Disulfide	1.539	1.556	-1.1	115	0.00
18	T	Methyl Acetate	1.035	1.074	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	2.015	2.084	-3.4	113	0.00
20	T	Methylene Chloride	0.665	0.660	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.612	1.1	113	0.00
22	T	Diisopropyl ether	1.945	2.018	-3.8	114	0.00
23	T	Vinyl Acetate	1.644	1.677	-2.0	111	0.00
24	P	1,1-Dichloroethane	1.120	1.153	-2.9	114	0.00
25	T	2-Butanone	0.577	0.591	-2.4	113	0.00
26	T	2,2-Dichloropropane	0.871	0.993	-14.0	116	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.756	-2.2	114	0.00
28	T	Bromochloromethane	0.550	0.499	9.3	113	0.00
29	T	Tetrahydrofuran	0.376	0.386	-2.7	113	0.00
30	C	Chloroform	1.118	1.139	-1.9#	113	0.00
31	T	Cyclohexane	1.086	1.090	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	0.951	0.962	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.698	-4.3	147	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	104	0.00
35	S	Dibromofluoromethane	0.296	0.322	-8.8	153#	0.00
36	T	1,1-Dichloropropene	0.442	0.460	-4.1	115	0.00
37	T	Ethyl Acetate	0.562	0.563	-0.2	109	0.00
38	T	Carbon Tetrachloride	0.433	0.455	-5.1	116	0.00
39	T	Methylcyclohexane	0.605	0.637	-5.3	116	0.00
40	TM	Benzene	1.444	1.471	-1.9	114	0.00
41	T	Methacrylonitrile	0.316	0.332	-5.1	114	0.00
42	TM	1,2-Dichloroethane	0.438	0.451	-3.0	114	0.00
43	T	Isopropyl Acetate	0.902	0.912	-1.1	111	0.00
44	TM	Trichloroethene	0.342	0.355	-3.8	113	0.00
45	C	1,2-Dichloropropane	0.351	0.361	-2.8#	113	0.00
46	T	Dibromomethane	0.233	0.247	-6.0	116	0.00
47	T	Bromodichloromethane	0.480	0.498	-3.8	113	0.00
48	T	Methyl methacrylate	0.415	0.426	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.008	0.0	112	0.00
50	S	Toluene-d8	1.173	1.246	-6.2	151#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.582	-7.2	113	0.00
52	CM	Toluene	0.882	0.918	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	0.537	0.570	-6.1	114	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.603	-5.1	114	0.00
55	T	1,1,2-Trichloroethane	0.340	0.350	-2.9	113	0.00
56	T	Ethyl methacrylate	0.541	0.613	-13.3	115	0.00
57	T	1,3-Dichloropropane	0.589	0.605	-2.7	112	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.317	1.9	120	0.00
59	T	2-Hexanone	0.350	0.397	-13.4	112	0.00
60	T	Dibromochloromethane	0.354	0.372	-5.1	114	0.00
61	T	1,2-Dibromoethane	0.348	0.361	-3.7	114	0.00
62	S	4-Bromofluorobenzene	0.436	0.471	-8.0	151#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	105	0.00
64	T	Tetrachloroethene	0.316	0.319	-0.9	114	0.00
65	PM	Chlorobenzene	1.103	1.122	-1.7	115	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.370	-4.5	115	0.00
67	C	Ethyl Benzene	1.899	1.960	-3.2#	114	0.00
68	T	m/p-Xylenes	0.727	0.756	-4.0	113	0.00
69	T	o-Xylene	0.696	0.730	-4.9	114	0.00
70	T	Styrene	1.192	1.257	-5.5	113	0.00
71	P	Bromoform	0.263	0.288	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	103	0.00
73	T	Isopropylbenzene	3.643	3.775	-3.6	114	0.00
74	T	N-amyl acetate	1.273	1.380	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.278	-3.6	112	0.00
76	T	1,2,3-Trichloropropane	1.189	1.279	-7.6	112	0.00
77	T	Bromobenzene	0.835	0.874	-4.7	114	0.00
78	T	n-propylbenzene	4.427	4.639	-4.8	114	0.00
79	T	2-Chlorotoluene	2.655	2.742	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.175	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.575	-11.4	125	0.00
82	T	4-Chlorotoluene	2.686	2.787	-3.8	114	0.00
83	T	tert-Butylbenzene	2.753	2.892	-5.0	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.198	-6.0	113	0.00
85	T	sec-Butylbenzene	3.998	4.192	-4.9	113	0.00
86	T	p-Isopropyltoluene	3.305	3.514	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	1.644	1.684	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	1.676	1.728	-3.1	113	0.00
89	T	n-Butylbenzene	3.201	3.356	-4.8	113	0.00
90	T	Hexachloroethane	0.560	0.592	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	1.579	1.621	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.290	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	1.008	1.048	-4.0	112	0.00
94	T	Hexachlorobutadiene	0.376	0.397	-5.6	113	0.00
95	T	Naphthalene	3.753	3.904	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	1.013	-1.1	110	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	105	0.00
2	T	Dichlorodifluoromethane	50.000	55.286	-10.6	116	0.00
3	P	Chloromethane	50.000	49.505	1.0	112	0.00
4	C	Vinyl Chloride	50.000	52.451	-4.9#	114	0.00
5	T	Bromomethane	50.000	55.292	-10.6	121	0.00
6	T	Chloroethane	50.000	51.117	-2.2	113	0.00
7	T	Trichlorofluoromethane	50.000	51.819	-3.6	113	0.00
8	T	Diethyl Ether	50.000	53.001	-6.0	116	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	53.615	-7.2	118	0.00
10	T	Methyl Iodide	50.000	53.227	-6.5	116	0.00
11	T	Tert butyl alcohol	250.000	262.193	-4.9	114	0.00
12	CM	1,1-Dichloroethene	50.000	51.678	-3.4#	113	0.00
13	T	Acrolein	250.000	240.545	3.8	128	0.00
14	T	Allyl chloride	50.000	50.504	-1.0	113	0.00
15	T	Acrylonitrile	250.000	258.885	-3.6	114	0.00
16	T	Acetone	250.000	246.750	1.3	114	0.00
17	T	Carbon Disulfide	50.000	50.550	-1.1	115	0.00
18	T	Methyl Acetate	50.000	51.912	-3.8	115	0.00
19	T	Methyl tert-butyl Ether	50.000	51.720	-3.4	113	0.00
20	T	Methylene Chloride	50.000	49.617	0.8	115	0.00
21	T	trans-1,2-Dichloroethene	50.000	49.437	1.1	113	0.00
22	T	Diisopropyl ether	50.000	51.853	-3.7	114	0.00
23	T	Vinyl Acetate	250.000	255.055	-2.0	111	0.00
24	P	1,1-Dichloroethane	50.000	51.487	-3.0	114	0.00
25	T	2-Butanone	250.000	255.897	-2.4	113	0.00
26	T	2,2-Dichloropropane	50.000	57.031	-14.1	116	0.00
27	T	cis-1,2-Dichloroethene	50.000	51.073	-2.1	114	0.00
28	T	Bromochloromethane	50.000	45.310	9.4	113	0.00
29	T	Tetrahydrofuran	250.000	256.656	-2.7	113	0.00
30	C	Chloroform	50.000	50.933	-1.9#	113	0.00
31	T	Cyclohexane	50.000	50.212	-0.4	114	0.00
32	T	1,1,1-Trichloroethane	50.000	50.603	-1.2	113	0.00
33	S	1,2-Dichloroethane-d4	50.000	52.135	-4.3	147	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	104	0.00
35	S	Dibromofluoromethane	50.000	54.416	-8.8	153	0.00
36	T	1,1-Dichloropropene	50.000	52.123	-4.2	115	0.00
37	T	Ethyl Acetate	50.000	50.125	-0.3	109	0.00
38	T	Carbon Tetrachloride	50.000	52.466	-4.9	116	0.00
39	T	Methylcyclohexane	50.000	52.686	-5.4	116	0.00
40	TM	Benzene	50.000	50.931	-1.9	114	0.00
41	T	Methacrylonitrile	50.000	52.607	-5.2	114	0.00
42	TM	1,2-Dichloroethane	50.000	51.489	-3.0	114	0.00
43	T	Isopropyl Acetate	50.000	50.536	-1.1	111	0.00
44	TM	Trichloroethene	50.000	51.788	-3.6	113	0.00
45	C	1,2-Dichloropropane	50.000	51.450	-2.9#	113	0.00
46	T	Dibromomethane	50.000	52.849	-5.7	116	0.00
47	T	Bromodichloromethane	50.000	51.824	-3.6	113	0.00
48	T	Methyl methacrylate	50.000	51.328	-2.7	113	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1110.123	-11.0	112	0.00
50	S	Toluene-d8	50.000	53.129	-6.3	151	0.00
51	T	4-Methyl-2-Pentanone	250.000	267.835	-7.1	113	0.00
52	CM	Toluene	50.000	52.040	-4.1#	114	0.00
53	T	t-1,3-Dichloropropene	50.000	53.137	-6.3	114	0.00
54	T	cis-1,3-Dichloropropene	50.000	52.519	-5.0	114	0.00
55	T	1,1,2-Trichloroethane	50.000	51.562	-3.1	113	0.00
56	T	Ethyl methacrylate	50.000	56.688	-13.4	115	0.00
57	T	1,3-Dichloropropane	50.000	51.386	-2.8	112	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	246.006	1.6	120	0.00
59	T	2-Hexanone	250.000	283.478	-13.4	112	0.00
60	T	Dibromochloromethane	50.000	52.627	-5.3	114	0.00
61	T	1,2-Dibromoethane	50.000	51.887	-3.8	114	0.00
62	S	4-Bromofluorobenzene	50.000	54.081	-8.2	151	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	105	0.00
64	T	Tetrachloroethene	50.000	50.450	-0.9	114	0.00
65	PM	Chlorobenzene	50.000	50.892	-1.8	115	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.164	-4.3	115	0.00
67	C	Ethyl Benzene	50.000	51.590	-3.2#	114	0.00
68	T	m/p-Xylenes	100.000	103.912	-3.9	113	0.00
69	T	o-Xylene	50.000	52.387	-4.8	114	0.00
70	T	Styrene	50.000	52.758	-5.5	113	0.00
71	P	Bromoform	50.000	54.751	-9.5	114	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	103	0.00
73	T	Isopropylbenzene	50.000	51.823	-3.6	114	0.00
74	T	N-amyl acetate	50.000	54.212	-8.4	112	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	51.763	-3.5	112	0.00
76	T	1,2,3-Trichloropropane	50.000	53.821	-7.6	112	0.00
77	T	Bromobenzene	50.000	52.313	-4.6	114	0.00
78	T	n-propylbenzene	50.000	52.397	-4.8	114	0.00
79	T	2-Chlorotoluene	50.000	51.650	-3.3	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	52.787	-5.6	113	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.702	-11.4	125	0.00
82	T	4-Chlorotoluene	50.000	51.884	-3.8	114	0.00
83	T	tert-Butylbenzene	50.000	52.532	-5.1	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	53.024	-6.0	113	0.00
85	T	sec-Butylbenzene	50.000	52.428	-4.9	113	0.00
86	T	p-Isopropyltoluene	50.000	53.174	-6.3	114	0.00
87	T	1,3-Dichlorobenzene	50.000	51.224	-2.4	112	0.00
88	T	1,4-Dichlorobenzene	50.000	51.557	-3.1	113	0.00
89	T	n-Butylbenzene	50.000	52.424	-4.8	113	0.00
90	T	Hexachloroethane	50.000	52.847	-5.7	114	0.00
91	T	1,2-Dichlorobenzene	50.000	51.340	-2.7	111	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	49.161	1.7	110	0.00
93	T	1,2,4-Trichlorobenzene	50.000	51.986	-4.0	112	0.00
94	T	Hexachlorobutadiene	50.000	52.843	-5.7	113	0.00
95	T	Naphthalene	50.000	52.005	-4.0	112	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086869.D
Acq On : 06 Jun 2025 15:54
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN060625

Quant Time: Jun 07 02:16:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	50.539	-1.1	110	0.00

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG No.: Q2236

Instrument ID: MSVOA_X Calibration Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:42 12:57

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX046518.D RRF020 = VX046519.D RRF050 = VX046520.D
RRF100 = VX046521.D RRF150 = VX046522.D RRF001 = VX046524.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Vinyl Chloride	0.697	0.593	0.596	0.591	0.622	0.679	0.630	7.5
1,1-Dichloroethene	0.663	0.550	0.567	0.561	0.585	0.635	0.594	7.6
2-Butanone	0.459	0.469	0.503	0.511	0.544	0.484	0.495	6.3
Carbon Tetrachloride	0.599	0.579	0.564	0.554	0.579	0.655	0.588	6.1
Chloroform	1.392	1.356	1.318	1.290	1.349	1.349	1.342	2.6
Benzene	1.597	1.503	1.427	1.380	1.442	1.522	1.479	5.3
1,2-Dichloroethane	0.646	0.641	0.610	0.586	0.602	0.606	0.615	3.8
Trichloroethene	0.385	0.356	0.351	0.332	0.354	0.476	0.376	13.8
Tetrachloroethene	0.347	0.324	0.310	0.301	0.314	0.410	0.334	12.1
Chlorobenzene	1.187	1.152	1.126	1.096	1.139	1.356	1.176	7.9
1,2-Dichloroethane-d4	0.997	0.848	0.873	0.828	0.900		0.890	7.4
Dibromofluoromethane	0.392	0.353	0.368	0.347	0.379		0.368	5
Toluene-d8	1.362	1.159	1.188	1.132	1.220		1.212	7.4
4-Bromofluorobenzene	0.564	0.482	0.493	0.468	0.501		0.502	7.4

* 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_X2

Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025
Response Via : Initial Calibration

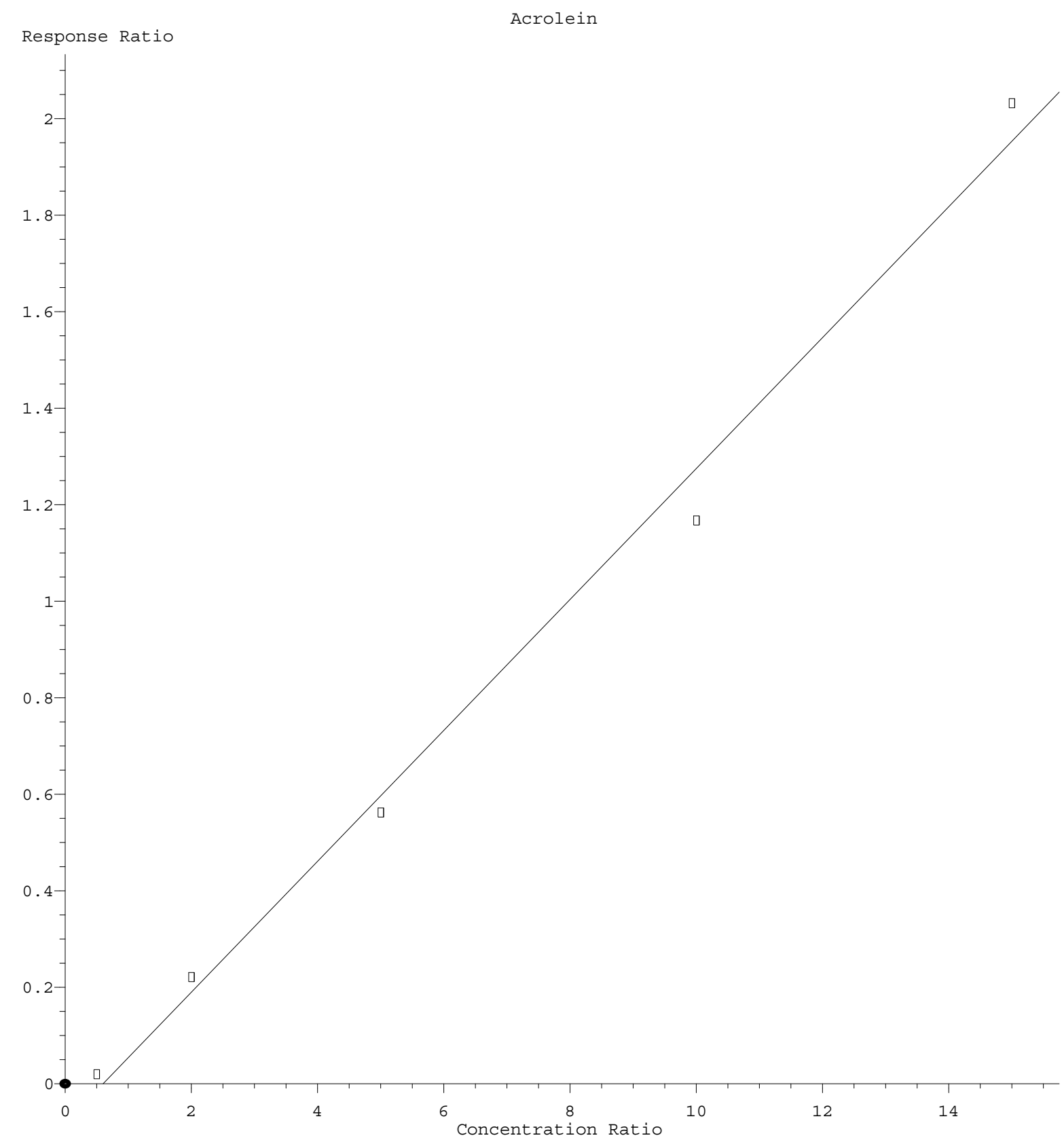
Calibration Files
1 =VX046524.D 5 =VX046518.D 20 =VX046519.D 50 =VX046520.D 100 =VX046521.D 150 =VX046522.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.838	0.740	0.653	0.645	0.635	0.654	0.694	11.52
3)	P	Chloromethane	0.713	0.737	0.586	0.573	0.568	0.614	0.632	11.76
4)	C	Vinyl Chloride	0.679	0.697	0.593	0.596	0.591	0.622	0.630	7.46#
5)	T	Bromomethane		0.592	0.429	0.398	0.256	0.237	0.382	37.77
6)	T	Chloroethane	0.509	0.456	0.384	0.373	0.357	0.373	0.409	14.73
7)	T	Trichlorofluor...	1.019	1.136	1.055	1.021	0.988	1.034	1.042	4.89
8)	T	Diethyl Ether	0.412	0.368	0.355	0.356	0.349	0.368	0.368	6.23
9)	T	1,1,2-Trichlor...	0.697	0.699	0.651	0.638	0.616	0.639	0.657	5.19
10)	T	Methyl Iodide		0.653	0.664	0.716	0.744	0.782	0.712	7.65
11)	T	Tert butyl alc...		0.087	0.090	0.098	0.104	0.114	0.099	10.94
12)	CM	1,1-Dichloroet...	0.635	0.663	0.550	0.567	0.561	0.585	0.594	7.64#
13)	T	Acrolein		0.040	0.110	0.112	0.117	0.135	0.103	35.72
14)	T	Allyl chloride	1.283	1.198	1.115	1.130	1.138	1.131	1.166	5.52
15)	T	Acrylonitrile	0.342	0.367	0.368	0.379	0.381	0.403	0.373	5.42
16)	T	Acetone	0.566	0.347	0.334	0.340	0.341	0.360	0.381	23.86
17)	T	Carbon Disulfide	2.313	1.618	1.229	1.218	1.220	1.288	1.481	29.41
18)	T	Methyl Acetate	0.883	0.870	1.082	1.130	1.155	1.237	1.060	14.20
19)	T	Methyl tert-bu...	1.873	2.038	2.050	2.115	2.131	2.256	2.077	6.11
20)	T	Methylene Chlo...	0.868	0.752	0.676	0.662	0.646	0.678	0.714	11.77
21)	T	trans-1,2-Dich...	0.785	0.661	0.580	0.582	0.567	0.594	0.628	13.34
22)	T	Diisopropyl ether	2.017	2.338	2.344	2.343	2.319	2.429	2.298	6.22
23)	T	Vinyl Acetate	1.639	1.727	1.682	1.828	1.831	1.940	1.775	6.31
24)	P	1,1-Dichloroet...	1.281	1.349	1.266	1.259	1.234	1.297	1.281	3.09
25)	T	2-Butanone	0.484	0.459	0.469	0.503	0.511	0.544	0.495	6.28
26)	T	2,2-Dichloropr...	0.900	0.931	0.919	0.966	0.968	1.022	0.951	4.61
27)	T	cis-1,2-Dichlo...	0.866	0.786	0.752	0.741	0.728	0.767	0.773	6.43
28)	T	Bromochloromet...	0.650	0.652	0.592	0.590	0.594	0.589	0.611	5.04
29)	T	Tetrahydrofuran	0.306	0.301	0.291	0.316	0.320	0.342	0.313	5.64
30)	C	Chloroform	1.349	1.392	1.356	1.318	1.290	1.349	1.342	2.59#
31)	T	Cyclohexane		1.172	1.012	0.995	0.974	1.018	1.034	7.64
32)	T	1,1,1-Trichlor...	1.131	1.170	1.131	1.141	1.128	1.188	1.148	2.17
33)	S	1,2-Dichloroet...		0.997	0.848	0.873	0.828	0.900	0.890	7.42
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.392	0.353	0.368	0.347	0.379	0.368	5.01
36)	T	1,1-Dichloropr...	0.660	0.554	0.506	0.485	0.461	0.485	0.525	13.89
37)	T	Ethyl Acetate	0.355	0.483	0.522	0.554	0.566	0.596	0.513	16.84
38)	T	Carbon Tetrach...	0.655	0.599	0.579	0.564	0.554	0.579	0.588	6.09
39)	T	Methylcyclohexane	0.725	0.696	0.576	0.572	0.565	0.587	0.620	11.41
40)	TM	Benzene	1.522	1.597	1.503	1.427	1.380	1.442	1.479	5.25
41)	T	Methacrylonitrile	0.279	0.310	0.335	0.323	0.320	0.344	0.318	7.09
42)	TM	1,2-Dichloroet...	0.606	0.646	0.641	0.610	0.586	0.602	0.615	3.80
43)	T	Isopropyl Acetate	0.772	0.842	0.887	0.923	0.935	1.002	0.894	8.92
44)	TM	Trichloroethene	0.476	0.385	0.356	0.351	0.332	0.354	0.376	13.85
45)	C	1,2-Dichloropr...	0.359	0.393	0.396	0.381	0.370	0.390	0.382	3.84#
46)	T	Dibromomethane	0.291	0.308	0.286	0.279	0.272	0.286	0.287	4.22
47)	T	Bromodichlorom...	0.534	0.580	0.617	0.603	0.589	0.618	0.590	5.32
48)	T	Methyl methacr...	0.395	0.423	0.454	0.481	0.490	0.517	0.460	9.79
49)	T	1,4-Dioxane	0.004	0.006	0.007	0.006	0.007	0.007	0.006	14.38
50)	S	Toluene-d8		1.362	1.159	1.188	1.132	1.220	1.212	7.42
51)	T	4-Methyl-2-Pen...	0.492	0.548	0.583	0.593	0.582	0.609	0.568	7.47
52)	CM	Toluene	0.938	0.980	0.911	0.884	0.849	0.888	0.908	5.04#
53)	T	t-1,3-Dichloro...	0.480	0.469	0.524	0.542	0.559	0.601	0.529	9.38
54)	T	cis-1,3-Dichlo...	0.567	0.567	0.580	0.590	0.595	0.633	0.589	4.15
55)	T	1,1,2-Trichlor...	0.331	0.375	0.389	0.366	0.356	0.372	0.365	5.41
56)	T	Ethyl methacry...	0.456	0.536	0.566	0.583	0.594	0.632	0.561	10.79

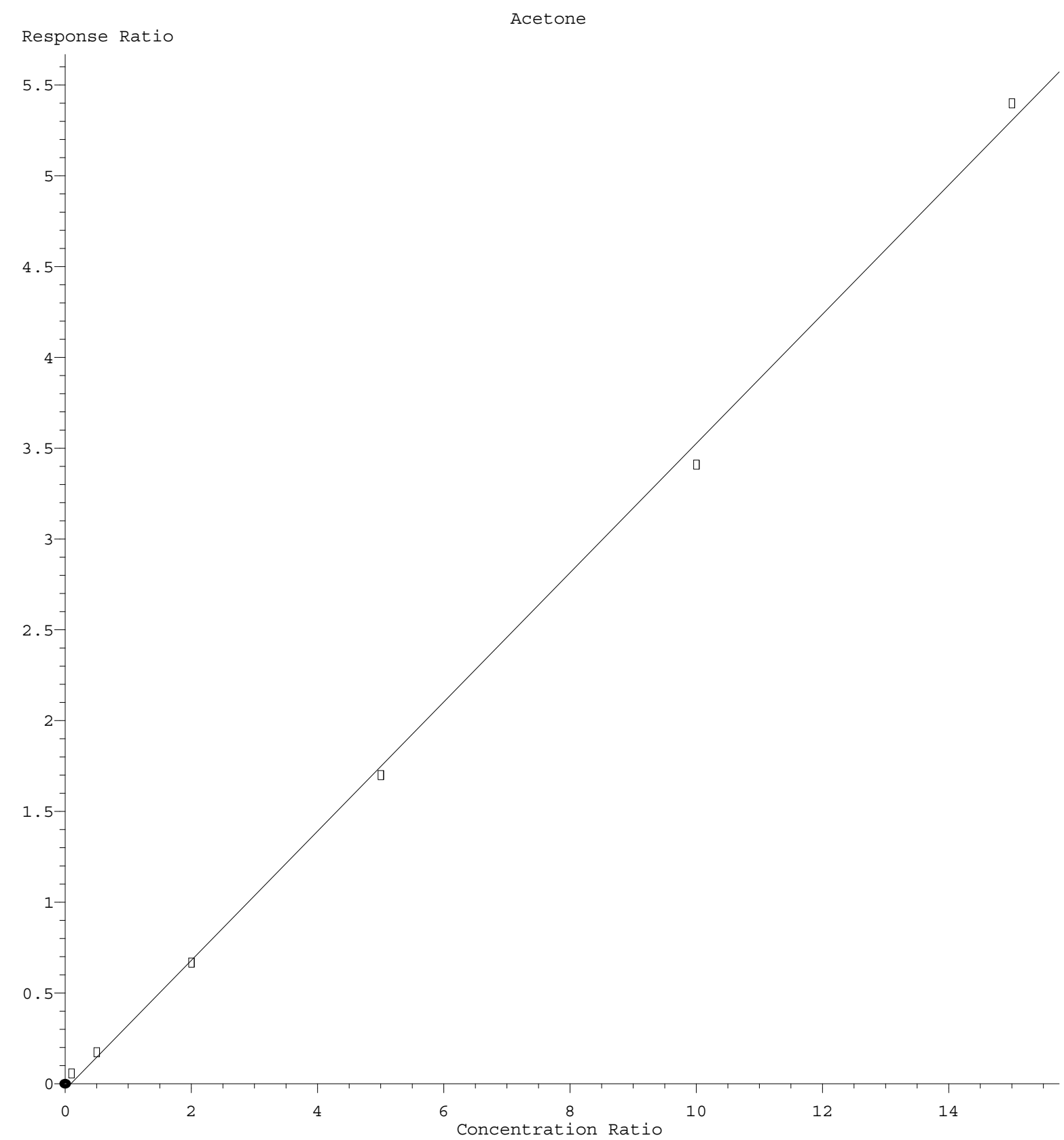
Method Path : Z:\voasrv\HPCHEM1\MSVOA_X\Method\
Method File : 82X060625W.M

57)	T	1,3-Dichloropr...	0.653	0.664	0.666	0.636	0.612	0.637	0.644	3.15
58)	T	2-Chloroethyl ...	0.278	0.301	0.302	0.316	0.312	0.326	0.306	5.46
59)	T	2-Hexanone	0.368	0.376	0.416	0.426	0.419	0.438	0.407	6.99
60)	T	Dibromochlorom...	0.405	0.431	0.438	0.432	0.422	0.447	0.429	3.35
61)	T	1,2-Dibromoethane	0.420	0.367	0.380	0.370	0.365	0.378	0.380	5.37
62)	S	4-Bromofluorob...		0.564	0.482	0.493	0.468	0.501	0.502	7.36
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.410	0.347	0.324	0.310	0.301	0.314	0.334	12.07
65)	PM	Chlorobenzene	1.356	1.187	1.152	1.126	1.096	1.139	1.176	7.91
66)	T	1,1,1,2-Tetrac...	0.362	0.394	0.401	0.403	0.404	0.420	0.397	4.87
67)	C	Ethyl Benzene	2.166	2.093	2.029	2.018	1.971	2.041	2.053	3.30#
68)	T	m/p-Xylenes	0.773	0.756	0.750	0.737	0.714	0.738	0.745	2.67
69)	T	o-Xylene	0.719	0.728	0.731	0.716	0.703	0.724	0.720	1.42
70)	T	Styrene	1.209	1.205	1.257	1.257	1.213	1.257	1.233	2.15
71)	P	Bromoform	0.286	0.269	0.300	0.311	0.317	0.335	0.303	7.76
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	3.896	3.936	3.949	3.909	3.828	4.064	3.930	1.98
74)	T	N-amyl acetate	1.424	1.613	1.673	1.803	1.854	2.019	1.731	11.98
75)	P	1,1,2,2-Tetrac...	1.148	1.294	1.294	1.257	1.249	1.306	1.258	4.65
76)	T	1,2,3-Trichlor...	1.091	1.022	1.076	1.049	1.025	1.092	1.059	2.97
77)	T	Bromobenzene	0.958	0.904	0.925	0.881	0.878	0.928	0.912	3.36
78)	T	n-propylbenzene	5.051	4.659	4.775	4.693	4.553	4.813	4.757	3.58
79)	T	2-Chlorotoluene	3.087	2.885	2.870	2.786	2.721	2.866	2.869	4.31
80)	T	1,3,5-Trimethy...	3.322	3.329	3.297	3.243	3.147	3.314	3.275	2.14
81)	T	trans-1,4-Dich...		0.274	0.352	0.370	0.398	0.442	0.367	16.86
82)	T	4-Chlorotoluene	3.872	3.390	3.342	3.293	3.177	3.329	3.400	7.12
83)	T	tert-Butylbenzene	3.284	3.341	3.364	3.287	3.248	3.482	3.334	2.50
84)	T	1,2,4-Trimethy...	3.406	3.309	3.360	3.256	3.194	3.356	3.313	2.34
85)	T	sec-Butylbenzene	4.458	4.350	4.296	4.172	4.096	4.334	4.284	3.04
86)	T	p-Isopropyltol...	3.910	3.509	3.554	3.484	3.397	3.575	3.572	4.96
87)	T	1,3-Dichlorobe...	2.105	1.745	1.714	1.684	1.642	1.740	1.772	9.46
88)	T	1,4-Dichlorobe...	2.421	1.804	1.736	1.675	1.627	1.752	1.836	15.98
89)	T	n-Butylbenzene	4.197	3.319	3.378	3.354	3.310	3.487	3.507	9.80
90)	T	Hexachloroethane	0.682	0.599	0.602	0.610	0.633	0.683	0.635	6.11
91)	T	1,2-Dichlorobe...	1.908	1.730	1.693	1.639	1.595	1.695	1.710	6.32
92)	T	1,2-Dibromo-3-...	0.238	0.250	0.272	0.285	0.309	0.337	0.282	13.06
93)	T	1,2,4-Trichlor...	1.513	1.038	1.085	1.077	1.093	1.194	1.167	15.22
94)	T	Hexachlorobuta...	0.695	0.526	0.508	0.501	0.497	0.525	0.542	14.01
95)	T	Naphthalene	3.783	3.138	3.527	3.726	3.816	4.205	3.699	9.53
96)	T	1,2,3-Trichlor...	1.500	1.042	1.078	1.092	1.108	1.198	1.170	14.55

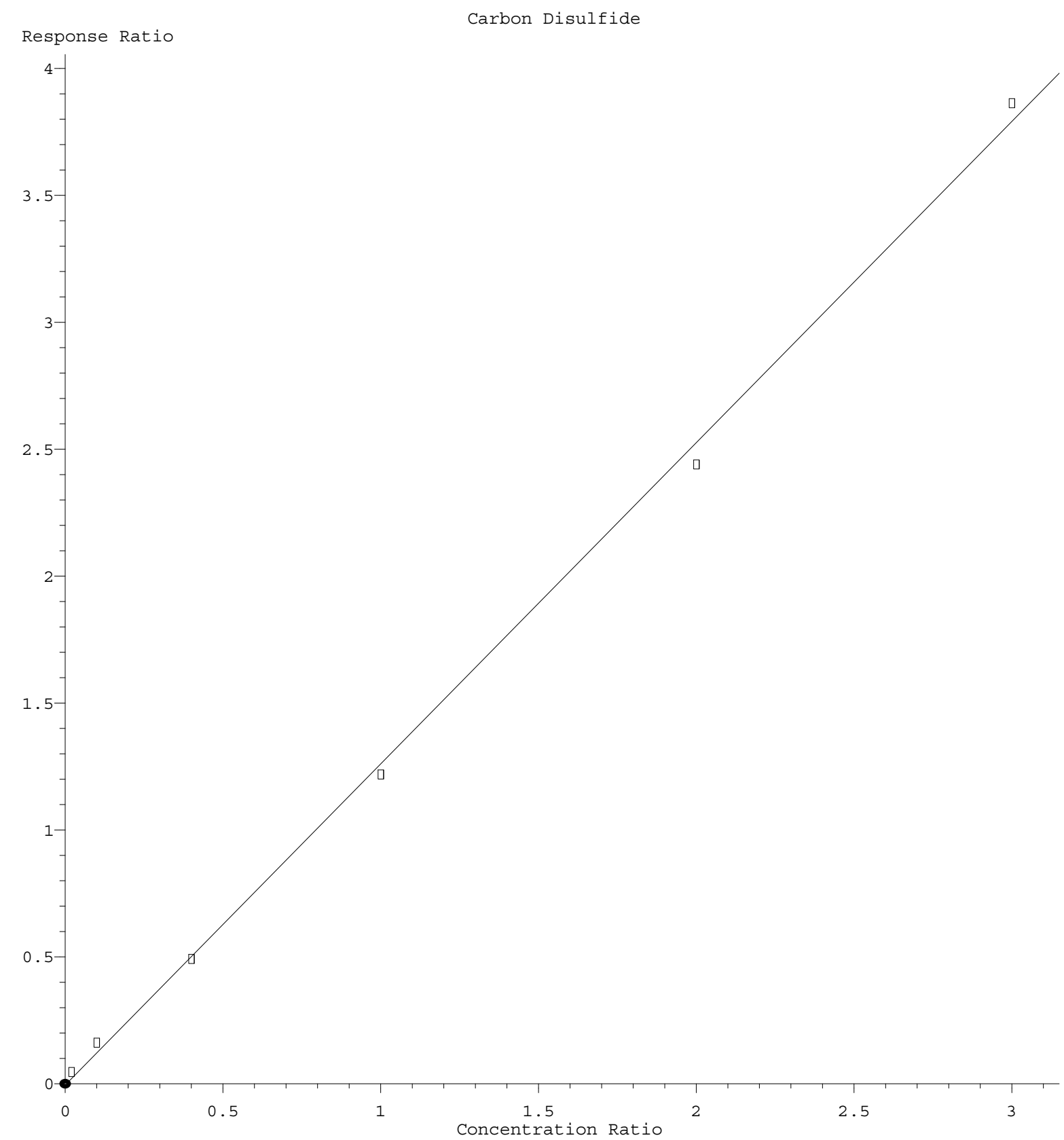
(#) = Out of Range



Response = 1.357e-001 * Amt - 8.141e-002
Coef of Det (r^2) = 0.992061 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M
Calibration Table Last Updated: Fri Jun 06 16:56:12 2025



Response = 3.559e-001 * Amt - 3.270e-002
Coef of Det (r^2) = 0.998736 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M
Calibration Table Last Updated: Fri Jun 06 16:56:12 2025



Response = 1.266e+000 * Amt - 5.124e-003
Coef of Det (r^2) = 0.998532 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA X\Method\82X060625W.M
Calibration Table Last Updated: Fri Jun 06 16:56:12 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	104428	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	181356	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	164496	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	81515	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	10415	5.606	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	11.220%#		
35) Dibromofluoromethane	5.391	113	7110	5.331	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	10.660%#		
50) Toluene-d8	8.653	98	24704	5.618	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	11.240%#		
62) 4-Bromofluorobenzene	11.079	95	10224	5.620	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	11.240%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	7726	5.329	ug/l	99
3) Chloromethane	1.307	50	7698	5.833	ug/l	99
4) Vinyl Chloride	1.386	62	7283	5.536	ug/l	92
5) Bromomethane	1.618	94	6181	7.740	ug/l	89
6) Chloroethane	1.697	64	4764	5.582	ug/l	98
7) Trichlorofluoromethane	1.904	101	11861	5.450	ug/l	97
8) Diethyl Ether	2.148	74	3843	4.997	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.349	101	7299	5.323	ug/l	98
10) Methyl Iodide	2.465	142	6815	4.585	ug/l	96
11) Tert butyl alcohol	2.971	59	4565	22.143	ug/l	97
12) 1,1-Dichloroethene	2.331	96	6923	5.584	ug/l	92
13) Acrolein	2.246	56	2067	37.301	ug/l	95
14) Allyl chloride	2.678	41	12513	5.139	ug/l	99
15) Acrylonitrile	3.075	53	19139	24.554	ug/l	100
16) Acetone	2.392	43	18117	28.970	ug/l	92
17) Carbon Disulfide	2.526	76	16895	6.594	ug/l	99
18) Methyl Acetate	2.715	43	9089	4.107	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	21281	4.905	ug/l	100
20) Methylene Chloride	2.800	84	7851	5.267	ug/l	95
21) trans-1,2-Dichloroethene	3.105	96	6901	5.260	ug/l	87
22) Diisopropyl ether	3.770	45	24417	5.086	ug/l #	55
23) Vinyl Acetate	3.739	43	90187	24.333	ug/l	97
24) 1,1-Dichloroethane	3.617	63	14092	5.267	ug/l	98
25) 2-Butanone	4.581	43	23977	23.183	ug/l	98
26) 2,2-Dichloropropane	4.483	77	9718	4.893	ug/l	95
27) cis-1,2-Dichloroethene	4.495	96	8212	5.084	ug/l	97
28) Bromochloromethane	4.910	49	6807	5.334	ug/l #	99
29) Tetrahydrofuran	5.026	42	15713	24.057	ug/l	93
30) Chloroform	5.099	83	14532	5.184	ug/l	94
31) Cyclohexane	5.483	56	12241	5.667	ug/l	89
32) 1,1,1-Trichloroethane	5.391	97	12216	5.094	ug/l	97
36) 1,1-Dichloropropene	5.702	75	10048	5.274	ug/l	96
37) Ethyl Acetate	4.733	43	8766	4.716	ug/l #	89
38) Carbon Tetrachloride	5.690	117	10857	5.088	ug/l	98
39) Methylcyclohexane	7.385	83	12614	5.610	ug/l	97
40) Benzene	6.044	78	28961	5.400	ug/l	96

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	5621	4.868	ug/l	#	90
42) 1,2-Dichloroethane	6.092	62	11718	5.252	ug/l		100
43) Isopropyl Acetate	6.349	43	15275	4.712	ug/l	#	97
44) Trichloroethene	7.129	130	6978	5.121	ug/l		99
45) 1,2-Dichloropropane	7.434	63	7132	5.152	ug/l		97
46) Dibromomethane	7.586	93	5588	5.366	ug/l		97
47) Bromodichloromethane	7.824	83	10524	4.915	ug/l		97
48) Methyl methacrylate	7.708	41	7663	4.595	ug/l		97
49) 1,4-Dioxane	7.665	88	2221	99.585	ug/l		98
51) 4-Methyl-2-Pentanone	8.574	43	49709	24.133	ug/l		99
52) Toluene	8.720	92	17773	5.394	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	8503	4.429	ug/l		100
54) cis-1,3-Dichloropropene	8.373	75	10282	4.817	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	6794	5.136	ug/l		97
56) Ethyl methacrylate	9.122	69	9723	4.777	ug/l		97
57) 1,3-Dichloropropane	9.311	76	12033	5.148	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.245	63	27324	24.645	ug/l		97
59) 2-Hexanone	9.433	43	34128	23.102	ug/l		98
60) Dibromochloromethane	9.519	129	7808	5.018	ug/l		96
61) 1,2-Dibromoethane	9.610	107	6661	4.833	ug/l		94
64) Tetrachloroethene	9.275	164	5704	5.186	ug/l		90
65) Chlorobenzene	10.080	112	19529	5.048	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	6488	4.963	ug/l		98
67) Ethyl Benzene	10.195	91	34429	5.098	ug/l		98
68) m/p-Xylenes	10.299	106	24857	10.146	ug/l		99
69) o-Xylene	10.640	106	11976	5.054	ug/l		99
70) Styrene	10.659	104	19826	4.888	ug/l		98
71) Bromoform	10.799	173	4418	4.432	ug/l	#	96
73) Isopropylbenzene	10.964	105	32087	5.007	ug/l		99
74) N-amyl acetate	10.848	43	13145	4.658	ug/l		98
75) 1,1,2,2-Tetrachloroethane	11.214	83	10551	5.144	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	8330m	4.746	ug/l		
77) Bromobenzene	11.195	156	7367	4.953	ug/l		98
78) n-propylbenzene	11.305	91	37974	4.896	ug/l		99
79) 2-Chlorotoluene	11.366	91	23514	5.028	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	27140	5.083	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	2236	3.736	ug/l	#	77
82) 4-Chlorotoluene	11.457	91	27633	4.985	ug/l		97
83) tert-Butylbenzene	11.713	119	27238	5.011	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	26973	4.993	ug/l		97
85) sec-Butylbenzene	11.890	105	35458	5.077	ug/l		97
86) p-Isopropyltoluene	12.006	119	28606	4.913	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	14222	4.924	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	14704	4.913	ug/l		87
89) n-Butylbenzene	12.329	91	27055	4.731	ug/l		99
90) Hexachloroethane	12.536	117	4884	4.719	ug/l		93
91) 1,2-Dichlorobenzene	12.335	146	14100	5.058	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.945	75	2035	4.431	ug/l		95
93) 1,2,4-Trichlorobenzene	13.585	180	8458	4.447	ug/l		99
94) Hexachlorobutadiene	13.725	225	4285	4.848	ug/l		97
95) Naphthalene	13.774	128	25583	4.242	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	8491	4.453	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

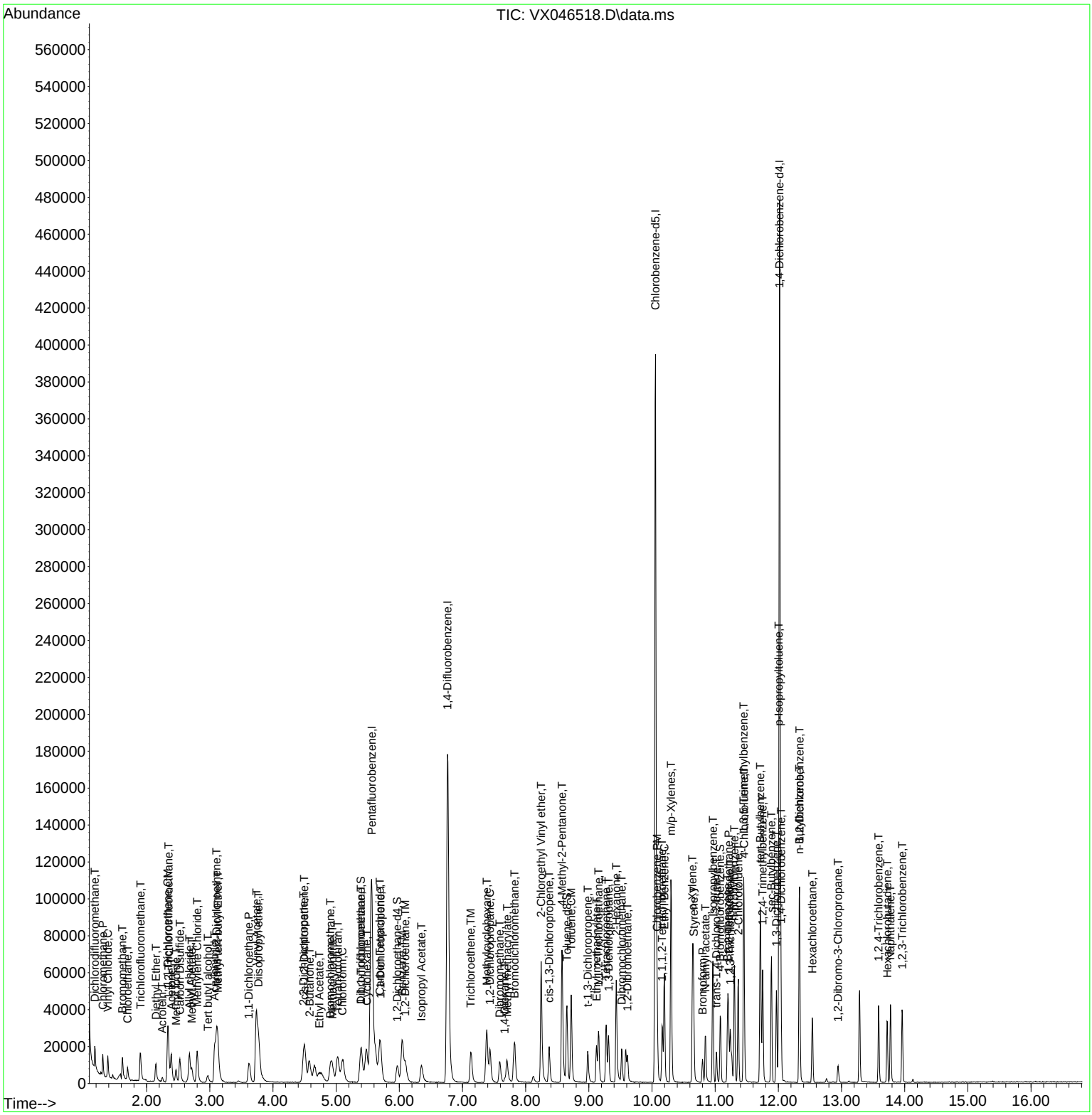
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046518.D
Acq On : 06 Jun 2025 09:42
Operator : JC/MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Jun 06 16:40:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	91899	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	155168	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	138173	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	69785	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	31177	19.069	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.140%#		
35) Dibromofluoromethane	5.391	113	21913	19.203	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery =	38.400%#		
50) Toluene-d8	8.647	98	71915	19.116	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	38.240%#		
62) 4-Bromofluorobenzene	11.079	95	29923	19.224	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	38.440%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	24011	18.820	ug/l	97
3) Chloromethane	1.307	50	21532	18.541	ug/l	97
4) Vinyl Chloride	1.386	62	21814	18.843	ug/l	99
5) Bromomethane	1.624	94	15765	22.432	ug/l	98
6) Chloroethane	1.703	64	14119	18.798	ug/l	97
7) Trichlorofluoromethane	1.904	101	38797	20.256	ug/l	95
8) Diethyl Ether	2.148	74	13057	19.294	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.343	101	23928	19.829	ug/l	98
10) Methyl Iodide	2.465	142	24399	18.652	ug/l	98
11) Tert butyl alcohol	2.965	59	16570	91.334	ug/l	98
12) 1,1-Dichloroethene	2.337	96	20232	18.543	ug/l	94
13) Acrolein	2.245	56	20307	111.446	ug/l	98
14) Allyl chloride	2.678	41	40999	19.133	ug/l	96
15) Acrylonitrile	3.075	53	67593	98.540	ug/l	99
16) Acetone	2.386	43	61298	98.314	ug/l	97
17) Carbon Disulfide	2.526	76	45190	19.630	ug/l	100
18) Methyl Acetate	2.715	43	39765	20.419	ug/l	100
19) Methyl tert-butyl Ether	3.123	73	75365	19.741	ug/l	99
20) Methylene Chloride	2.800	84	24863	18.955	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	21333	18.476	ug/l	93
22) Diisopropyl ether	3.770	45	86178	20.399	ug/l #	77
23) Vinyl Acetate	3.733	43	309124	94.776	ug/l	100
24) 1,1-Dichloroethane	3.623	63	46528	19.761	ug/l	99
25) 2-Butanone	4.562	43	86287	94.804	ug/l	99
26) 2,2-Dichloropropane	4.489	77	33782	19.327	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	27631	19.439	ug/l	97
28) Bromochloromethane	4.910	49	21754	19.371	ug/l	99
29) Tetrahydrofuran	5.013	42	53547	93.158	ug/l	100
30) Chloroform	5.105	83	49854	20.208	ug/l	92
31) Cyclohexane	5.483	56	37188	19.565	ug/l	90
32) 1,1,1-Trichloroethane	5.391	97	41583	19.705	ug/l	98
36) 1,1-Dichloropropene	5.702	75	31397	19.262	ug/l	99
37) Ethyl Acetate	4.733	43	32379	20.357	ug/l	98
38) Carbon Tetrachloride	5.684	117	35956	19.695	ug/l	98
39) Methylcyclohexane	7.379	83	35729	18.571	ug/l	96
40) Benzene	6.044	78	93317	20.336	ug/l	98

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	20773	21.027	ug/l		96
42) 1,2-Dichloroethane	6.098	62	39768	20.832	ug/l		100
43) Isopropyl Acetate	6.342	43	55054	19.851	ug/l		99
44) Trichloroethene	7.129	130	22094	18.950	ug/l		97
45) 1,2-Dichloropropane	7.434	63	24588	20.760	ug/l		98
46) Dibromomethane	7.586	93	17753	19.924	ug/l		97
47) Bromodichloromethane	7.824	83	38325	20.919	ug/l		100
48) Methyl methacrylate	7.696	41	28189	19.755	ug/l		98
49) 1,4-Dioxane	7.665	88	8127	425.896	ug/l		99
51) 4-Methyl-2-Pentanone	8.574	43	180974	102.687	ug/l		99
52) Toluene	8.720	92	56537	20.055	ug/l		98
53) t-1,3-Dichloropropene	8.976	75	32552	19.817	ug/l		99
54) cis-1,3-Dichloropropene	8.372	75	36009	19.716	ug/l		89
55) 1,1,2-Trichloroethane	9.153	97	24130	21.322	ug/l		98
56) Ethyl methacrylate	9.116	69	35137	20.176	ug/l		97
57) 1,3-Dichloropropane	9.305	76	41306	20.653	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	93580	98.650	ug/l		99
59) 2-Hexanone	9.427	43	128964	102.032	ug/l		99
60) Dibromochloromethane	9.519	129	27175	20.414	ug/l		99
61) 1,2-Dibromoethane	9.610	107	23582	19.996	ug/l		99
64) Tetrachloroethene	9.275	164	17890	19.362	ug/l		94
65) Chlorobenzene	10.079	112	63695	19.600	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	22188	20.205	ug/l		99
67) Ethyl Benzene	10.195	91	112127	19.765	ug/l		98
68) m/p-Xylenes	10.299	106	82876	40.272	ug/l		97
69) o-Xylene	10.640	106	40415	20.304	ug/l		99
70) Styrene	10.653	104	69469	20.388	ug/l		100
71) Bromoform	10.799	173	16593	19.817	ug/l	#	97
73) Isopropylbenzene	10.963	105	110221	20.092	ug/l		100
74) N-amyl acetate	10.842	43	46707	19.334	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	36116	20.568	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	30039m	19.991	ug/l		
77) Bromobenzene	11.195	156	25827	20.283	ug/l		96
78) n-propylbenzene	11.305	91	133297	20.075	ug/l		100
79) 2-Chlorotoluene	11.360	91	80101	20.005	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	92024	20.131	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	9832	19.187	ug/l		99
82) 4-Chlorotoluene	11.451	91	93283	19.655	ug/l		98
83) tert-Butylbenzene	11.713	119	93897	20.178	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	93782	20.279	ug/l		98
85) sec-Butylbenzene	11.890	105	119909	20.054	ug/l		99
86) p-Isopropyltoluene	12.006	119	99196	19.900	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47842	19.349	ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	48453	18.912	ug/l		99
89) n-Butylbenzene	12.329	91	94297	19.263	ug/l		99
90) Hexachloroethane	12.536	117	16809	18.972	ug/l		97
91) 1,2-Dichlorobenzene	12.335	146	47259	19.801	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7586	19.293	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	30280	18.598	ug/l		98
94) Hexachlorobutadiene	13.725	225	14184	18.746	ug/l		97
95) Naphthalene	13.774	128	98466	19.071	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	30099	18.437	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

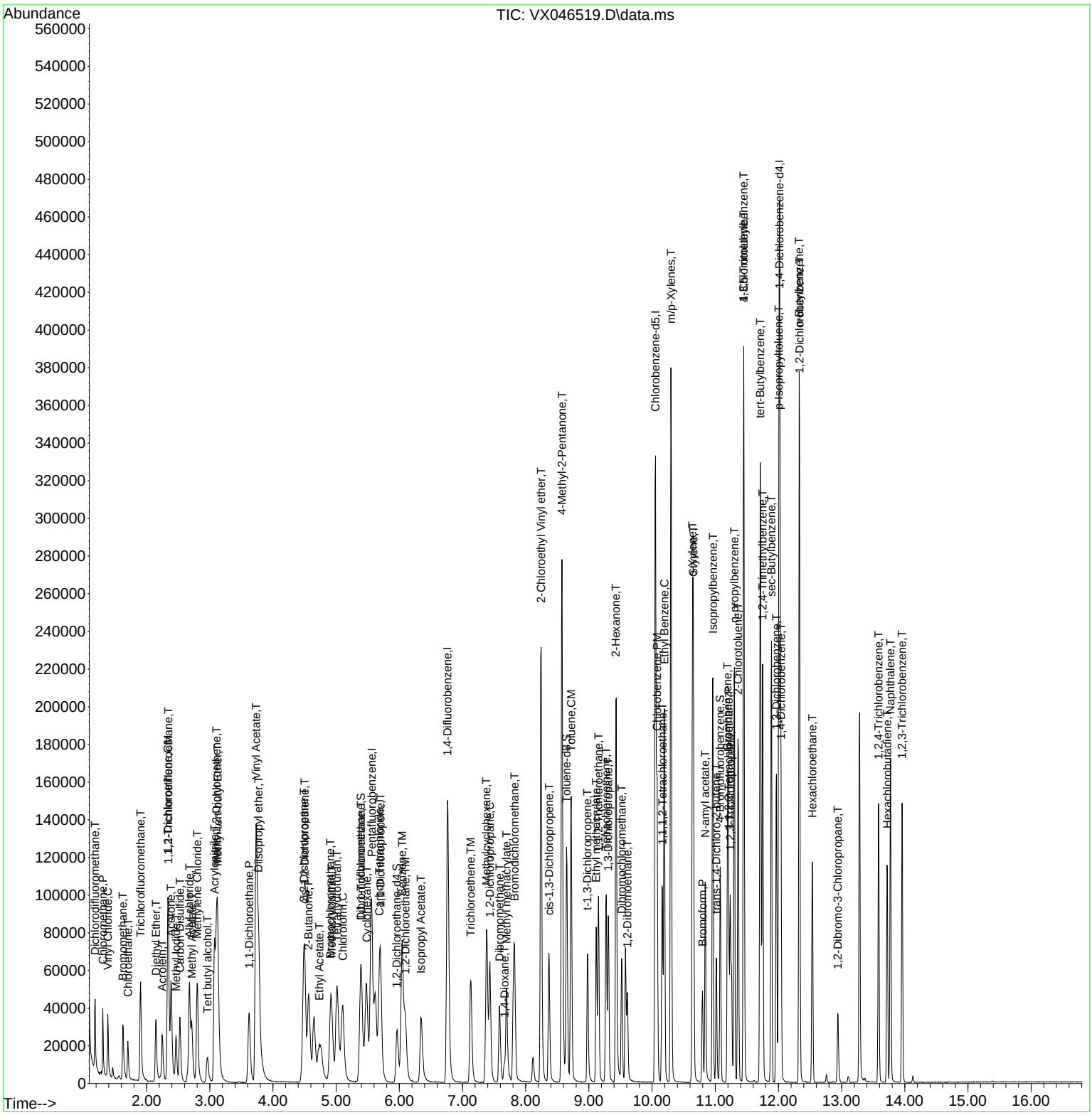
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046519.D
Acq On : 06 Jun 2025 10:18
Operator : JC/MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 06 16:41:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	90114	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	156192	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	136564	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	68831	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	78706	49.092	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.180%			
35) Dibromofluoromethane	5.403	113	57416	49.986	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.980%			
50) Toluene-d8	8.653	98	185557	49.000	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.000%			
62) 4-Bromofluorobenzene	11.079	95	76988	49.137	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	58145	46.477	ug/l	95
3) Chloromethane	1.307	50	51612	45.324	ug/l	96
4) Vinyl Chloride	1.386	62	53673	47.282	ug/l	100
5) Bromomethane	1.624	94	35883	52.070	ug/l	96
6) Chloroethane	1.703	64	33654	45.694	ug/l	96
7) Trichlorofluoromethane	1.904	101	92019	48.994	ug/l	95
8) Diethyl Ether	2.154	74	32101	48.374	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	57448	48.549	ug/l	98
10) Methyl Iodide	2.471	142	64524	50.302	ug/l	100
11) Tert butyl alcohol	2.971	59	44039	247.552	ug/l	100
12) 1,1-Dichloroethene	2.337	96	51110	47.772	ug/l	99
13) Acrolein	2.251	56	50652	237.168	ug/l	98
14) Allyl chloride	2.684	41	101836	48.466	ug/l	96
15) Acrylonitrile	3.081	53	170615	253.656	ug/l	99
16) Acetone	2.392	43	153142	243.373	ug/l	100
17) Carbon Disulfide	2.532	76	109794	48.339	ug/l	100
18) Methyl Acetate	2.721	43	101867	53.343	ug/l	100
19) Methyl tert-butyl Ether	3.135	73	190602	50.914	ug/l	99
20) Methylene Chloride	2.806	84	59622	46.355	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	52474	46.346	ug/l	95
22) Diisopropyl ether	3.782	45	211118	50.963	ug/l #	80
23) Vinyl Acetate	3.739	43	823688	257.541	ug/l	100
24) 1,1-Dichloroethane	3.629	63	113435	49.132	ug/l	97
25) 2-Butanone	4.574	43	226668	253.975	ug/l	98
26) 2,2-Dichloropropane	4.495	77	87040	50.783	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	66760	47.898	ug/l	99
28) Bromochloromethane	4.916	49	53158	48.273	ug/l	100
29) Tetrahydrofuran	5.019	42	142276	252.427	ug/l	99
30) Chloroform	5.111	83	118738	49.084	ug/l	99
31) Cyclohexane	5.489	56	89669	48.110	ug/l	99
32) 1,1,1-Trichloroethane	5.397	97	102837	49.696	ug/l	98
36) 1,1-Dichloropropene	5.714	75	75745	46.165	ug/l	99
37) Ethyl Acetate	4.733	43	86522	54.042	ug/l	98
38) Carbon Tetrachloride	5.696	117	88063	47.920	ug/l	99
39) Methylcyclohexane	7.391	83	89357	46.141	ug/l	97
40) Benzene	6.056	78	222898	48.257	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.934	41	50437	50.720	ug/l		96
42) 1,2-Dichloroethane	6.098	62	95292	49.590	ug/l		99
43) Isopropyl Acetate	6.354	43	144198	51.653	ug/l		99
44) Trichloroethene	7.135	130	54791	46.686	ug/l		98
45) 1,2-Dichloropropane	7.440	63	59497	49.904	ug/l		99
46) Dibromomethane	7.586	93	43598	48.609	ug/l		98
47) Bromodichloromethane	7.830	83	94149	51.052	ug/l		98
48) Methyl methacrylate	7.702	41	75100	52.285	ug/l		97
49) 1,4-Dioxane	7.671	88	19805	1031.079	ug/l		98
51) 4-Methyl-2-Pentanone	8.573	43	462924	260.948	ug/l		100
52) Toluene	8.720	92	138129	48.677	ug/l		99
53) t-1,3-Dichloropropene	8.982	75	84697	51.223	ug/l		100
54) cis-1,3-Dichloropropene	8.372	75	92087	50.089	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	57143	50.162	ug/l		97
56) Ethyl methacrylate	9.116	69	91058	51.943	ug/l		97
57) 1,3-Dichloropropane	9.311	76	99273	49.312	ug/l		98
58) 2-Chloroethyl Vinyl ether	8.244	63	246532	258.184	ug/l		100
59) 2-Hexanone	9.433	43	333019	261.746	ug/l		99
60) Dibromochloromethane	9.525	129	67410	50.307	ug/l		99
61) 1,2-Dibromoethane	9.610	107	57774	48.669	ug/l		98
64) Tetrachloroethene	9.275	164	42288	46.308	ug/l		96
65) Chlorobenzene	10.079	112	153710	47.857	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	54990	50.666	ug/l		99
67) Ethyl Benzene	10.195	91	275626	49.157	ug/l		100
68) m/p-Xylenes	10.299	106	201325	98.982	ug/l		99
69) o-Xylene	10.640	106	97769	49.696	ug/l		97
70) Styrene	10.658	104	171642	50.968	ug/l		99
71) Bromoform	10.799	173	42521	51.382	ug/l	#	98
73) Isopropylbenzene	10.963	105	269074	49.729	ug/l		99
74) N-amyl acetate	10.841	43	124077	52.072	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86539	49.967	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	72182m	48.702	ug/l		
77) Bromobenzene	11.195	156	60653	48.295	ug/l		100
78) n-propylbenzene	11.305	91	323032	49.325	ug/l		100
79) 2-Chlorotoluene	11.366	91	191732	48.549	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	223189	49.500	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	25456	50.367	ug/l		98
82) 4-Chlorotoluene	11.451	91	226629	48.414	ug/l		99
83) tert-Butylbenzene	11.713	119	226214	49.285	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	224100	49.131	ug/l		100
85) sec-Butylbenzene	11.890	105	287196	48.696	ug/l		99
86) p-Isopropyltoluene	12.006	119	239809	48.775	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	115889	47.520	ug/l		99
88) 1,4-Dichlorobenzene	12.042	146	115263	45.612	ug/l		99
89) n-Butylbenzene	12.329	91	230830	47.808	ug/l		99
90) Hexachloroethane	12.536	117	41969	48.027	ug/l		98
91) 1,2-Dichlorobenzene	12.335	146	112815	47.923	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19603	50.545	ug/l		94
93) 1,2,4-Trichlorobenzene	13.585	180	74109	46.149	ug/l		99
94) Hexachlorobutadiene	13.725	225	34506	46.237	ug/l		98
95) Naphthalene	13.774	128	256456	50.359	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75172	46.684	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

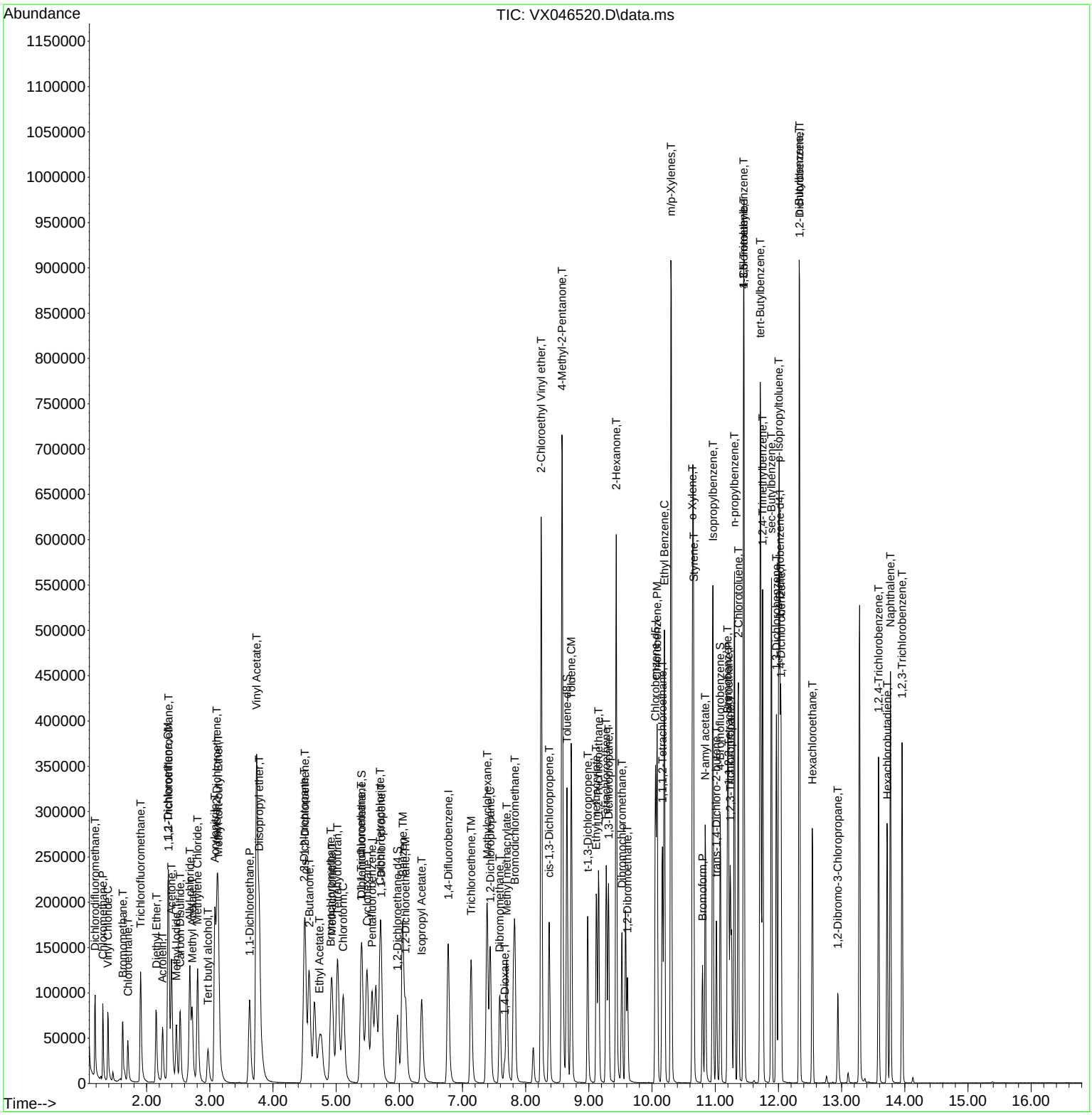
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046520.D
Acq On : 06 Jun 2025 10:40
Operator : JC/MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 06 16:41:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	86761	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	151628	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	131925	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	65495	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	143754	93.131	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 186.260%#			
35) Dibromofluoromethane	5.403	113	105237	94.377	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 188.760%#			
50) Toluene-d8	8.653	98	343367	93.402	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 186.800%#			
62) 4-Bromofluorobenzene	11.079	95	141905	93.296	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 186.600%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	110112	91.417	ug/l	98
3) Chloromethane	1.307	50	98615	89.947	ug/l	99
4) Vinyl Chloride	1.386	62	102609	93.885	ug/l	98
5) Bromomethane	1.617	94	44380	66.888	ug/l	98
6) Chloroethane	1.697	64	61909	87.305	ug/l	99
7) Trichlorofluoromethane	1.904	101	171395	94.783	ug/l	98
8) Diethyl Ether	2.154	74	60580	94.817	ug/l	97
9) 1,1,2-Trichlorotrifluo...	2.349	101	106901	93.832	ug/l	97
10) Methyl Iodide	2.471	142	129059	104.501	ug/l	100
11) Tert butyl alcohol	2.977	59	90368	527.609	ug/l	99
12) 1,1-Dichloroethene	2.337	96	97296	94.457	ug/l	95
13) Acrolein	2.252	56	101278	460.232	ug/l	100
14) Allyl chloride	2.684	41	197384	97.570	ug/l	94
15) Acrylonitrile	3.081	53	330844	510.880	ug/l	100
16) Acetone	2.398	43	295803	483.635	ug/l	99
17) Carbon Disulfide	2.532	76	211673	96.592	ug/l	98
18) Methyl Acetate	2.721	43	200390	108.991	ug/l	99
19) Methyl tert-butyl Ether	3.129	73	369725	102.579	ug/l	99
20) Methylene Chloride	2.806	84	112036	90.472	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	98333	90.207	ug/l	97
22) Diisopropyl ether	3.782	45	402386	100.889	ug/l #	81
23) Vinyl Acetate	3.739	43	1588475	515.860	ug/l	100
24) 1,1-Dichloroethane	3.629	63	214175	96.351	ug/l	98
25) 2-Butanone	4.574	43	443718	516.388	ug/l	100
26) 2,2-Dichloropropane	4.501	77	168003	101.809	ug/l	99
27) cis-1,2-Dichloroethene	4.507	96	126373	94.172	ug/l	99
28) Bromochloromethane	4.916	49	103145	97.287	ug/l	100
29) Tetrahydrofuran	5.019	42	277926	512.155	ug/l	98
30) Chloroform	5.117	83	223890	96.128	ug/l	96
31) Cyclohexane	5.489	56	168997	94.175	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	195664	98.210	ug/l	98
36) 1,1-Dichloropropene	5.708	75	139920	87.846	ug/l	99
37) Ethyl Acetate	4.733	43	171559	110.381	ug/l	98
38) Carbon Tetrachloride	5.696	117	168024	94.183	ug/l	100
39) Methylcyclohexane	7.391	83	171321	91.127	ug/l	98
40) Benzene	6.056	78	418566	93.347	ug/l	99

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.940	41	96904	100.381 ug/l		96
42) 1,2-Dichloroethane	6.098	62	177798	95.311 ug/l		99
43) Isopropyl Acetate	6.354	43	283615	104.651 ug/l		100
44) Trichloroethene	7.135	130	100714	88.399 ug/l		97
45) 1,2-Dichloropropane	7.440	63	112349	97.071 ug/l		97
46) Dibromomethane	7.586	93	82614	94.883 ug/l		98
47) Bromodichloromethane	7.830	83	178755	99.847 ug/l		99
48) Methyl methacrylate	7.702	41	148448	106.461 ug/l		97
49) 1,4-Dioxane	7.671	88	39522	2119.509 ug/l		99
51) 4-Methyl-2-Pentanone	8.580	43	882926	512.682 ug/l		100
52) Toluene	8.720	92	257539	93.489 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	169431	105.552 ug/l		100
54) cis-1,3-Dichloropropene	8.372	75	180299	101.023 ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	107827	97.502 ug/l		99
56) Ethyl methacrylate	9.122	69	180282	105.935 ug/l		97
57) 1,3-Dichloropropane	9.311	76	185642	94.990 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.250	63	472343	509.557 ug/l		100
59) 2-Hexanone	9.433	43	635829	514.792 ug/l		99
60) Dibromochloromethane	9.525	129	128006	98.404 ug/l		100
61) 1,2-Dibromoethane	9.610	107	110603	95.976 ug/l		98
64) Tetrachloroethene	9.275	164	79545	90.169 ug/l		97
65) Chlorobenzene	10.079	112	289084	93.171 ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.165	131	106634	101.705 ug/l		99
67) Ethyl Benzene	10.195	91	520064	96.013 ug/l		99
68) m/p-Xylenes	10.305	106	376918	191.829 ug/l		100
69) o-Xylene	10.640	106	185444	97.576 ug/l		100
70) Styrene	10.659	104	319998	98.362 ug/l		99
71) Bromoform	10.799	173	83574	104.541 ug/l	#	97
73) Isopropylbenzene	10.963	105	501468	97.400 ug/l		100
74) N-amyl acetate	10.841	43	242879	107.123 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	163624	99.288 ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	134330m	95.251 ug/l		
77) Bromobenzene	11.201	156	115005	96.236 ug/l		98
78) n-propylbenzene	11.305	91	596385	95.703 ug/l		99
79) 2-Chlorotoluene	11.366	91	356389	94.839 ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	412251	96.089 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	52102	108.338 ug/l		94
82) 4-Chlorotoluene	11.457	91	416150	93.429 ug/l		98
83) tert-Butylbenzene	11.713	119	425478	97.420 ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	418383	96.397 ug/l		100
85) sec-Butylbenzene	11.890	105	536486	95.599 ug/l		100
86) p-Isopropyltoluene	12.006	119	445024	95.124 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	215104	92.695 ug/l		100
88) 1,4-Dichlorobenzene	12.042	146	213122	88.632 ug/l		99
89) n-Butylbenzene	12.329	91	433603	94.378 ug/l		99
90) Hexachloroethane	12.536	117	82886	99.681 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	208931	93.273 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	40499	109.744 ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	143150	93.683 ug/l		99
94) Hexachlorobutadiene	13.725	225	65134	91.723 ug/l		99
95) Naphthalene	13.774	128	499805	103.144 ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	145123	94.716 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

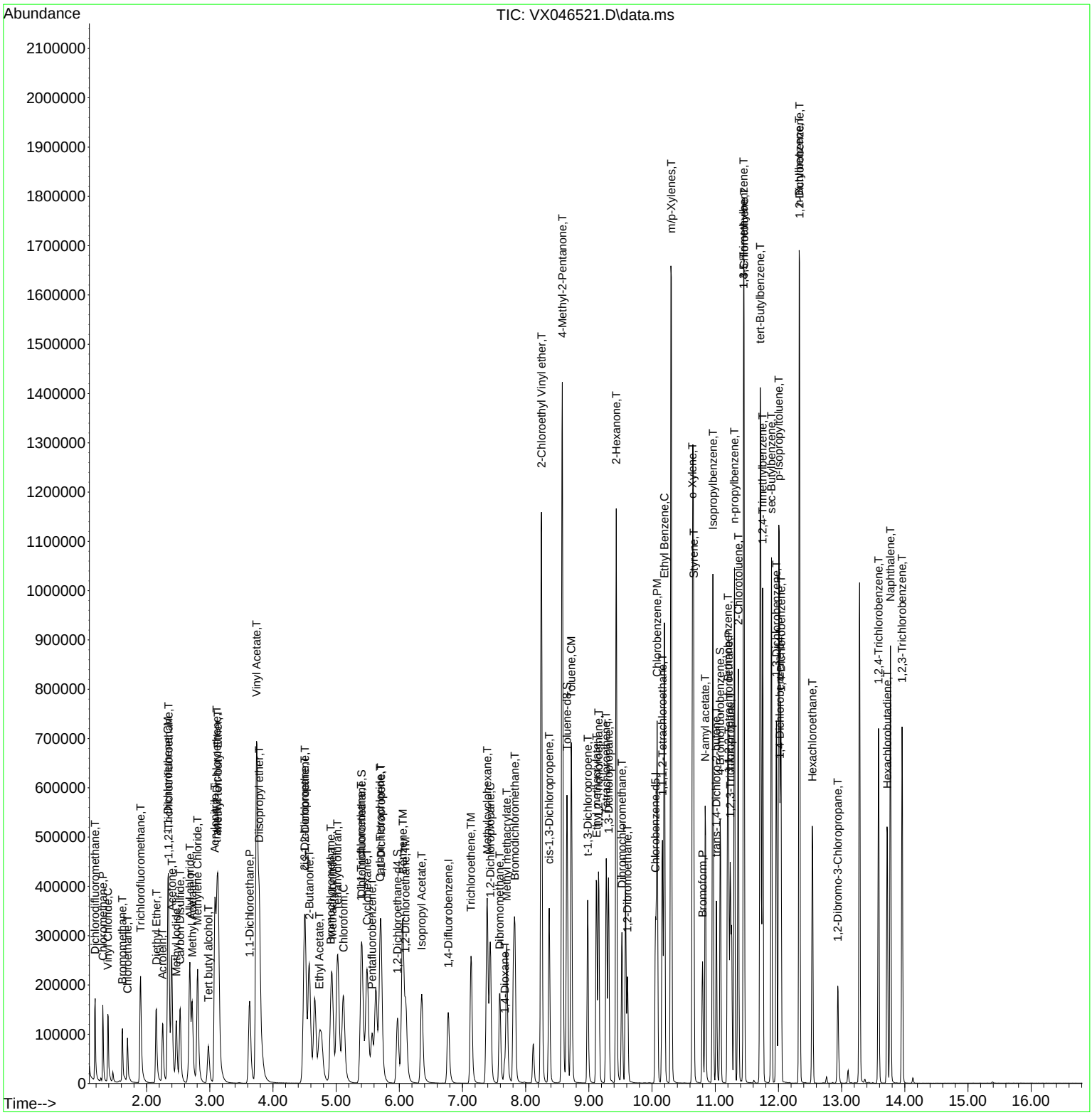
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046521.D
Acq On : 06 Jun 2025 11:02
Operator : JC/MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 06 16:41:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	78828	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.775	114	138158	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	121245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.024	152	58605	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.971	65	212938	151.835	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 303.660%#			
35) Dibromofluoromethane	5.404	113	156990	154.516	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 309.040%#			
50) Toluene-d8	8.653	98	505724	150.978	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 301.960%#			
62) 4-Bromofluorobenzene	11.079	95	207701	149.867	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 299.740%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	154709	141.368	ug/l	97
3) Chloromethane	1.307	50	145250	145.815	ug/l	98
4) Vinyl Chloride	1.386	62	147097	148.135	ug/l	98
5) Bromomethane	1.612	94	56077	93.023	ug/l	97
6) Chloroethane	1.691	64	88121	136.776	ug/l	98
7) Trichlorofluoromethane	1.898	101	244494	148.815	ug/l	98
8) Diethyl Ether	2.148	74	87079	150.009	ug/l	91
9) 1,1,2-Trichlorotrifluo...	2.343	101	151059	145.936	ug/l	98
10) Methyl Iodide	2.465	142	185045	164.913	ug/l	99
11) Tert butyl alcohol	2.983	59	134861	866.618	ug/l	100
12) 1,1-Dichloroethene	2.331	96	138358	147.838	ug/l	99
13) Acrolein	2.252	56	160165	778.853	ug/l	100
14) Allyl chloride	2.678	41	267359	145.460	ug/l	93
15) Acrylonitrile	3.081	53	476614	810.040	ug/l	99
16) Acetone	2.398	43	425579	763.161	ug/l	98
17) Carbon Disulfide	2.526	76	304498	152.815	ug/l	99
18) Methyl Acetate	2.721	43	292598	175.157	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	533557	162.931	ug/l	99
20) Methylene Chloride	2.806	84	160400	142.563	ug/l	94
21) trans-1,2-Dichloroethene	3.111	96	140409	141.768	ug/l	98
22) Diisopropyl ether	3.782	45	574529	158.547	ug/l #	84
23) Vinyl Acetate	3.739	43	2294131	820.000	ug/l	100
24) 1,1-Dichloroethane	3.629	63	306779	151.900	ug/l	99
25) 2-Butanone	4.574	43	643633	824.425	ug/l	99
26) 2,2-Dichloropropane	4.495	77	241718	161.222	ug/l	100
27) cis-1,2-Dichloroethene	4.507	96	181365	148.753	ug/l	98
28) Bromochloromethane	4.916	49	139177	144.483	ug/l	99
29) Tetrahydrofuran	5.019	42	404249	819.909	ug/l	99
30) Chloroform	5.111	83	319000	150.747	ug/l	96
31) Cyclohexane	5.489	56	240734	147.652	ug/l	98
32) 1,1,1-Trichloroethane	5.404	97	280921	155.193	ug/l	97
36) 1,1-Dichloropropene	5.708	75	201157	138.605	ug/l	99
37) Ethyl Acetate	4.733	43	247037	174.441	ug/l	100
38) Carbon Tetrachloride	5.696	117	240128	147.722	ug/l	100
39) Methylcyclohexane	7.391	83	243263	142.009	ug/l	96
40) Benzene	6.056	78	597704	146.294	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc Units		Dev(Min)
41) Methacrylonitrile	4.934	41	142496	162.001 ug/l		97
42) 1,2-Dichloroethane	6.105	62	249510	146.794 ug/l		98
43) Isopropyl Acetate	6.355	43	415327	168.193 ug/l		99
44) Trichloroethene	7.135	130	146894	141.503 ug/l		98
45) 1,2-Dichloropropane	7.440	63	161815	153.441 ug/l		96
46) Dibromomethane	7.586	93	118718	149.642 ug/l		98
47) Bromodichloromethane	7.830	83	256187	157.050 ug/l		99
48) Methyl methacrylate	7.702	41	214089	168.505 ug/l		97
49) 1,4-Dioxane	7.671	88	57504	3384.526 ug/l		97
51) 4-Methyl-2-Pentanone	8.580	43	1262813	804.759 ug/l		99
52) Toluene	8.720	92	368137	146.666 ug/l		99
53) t-1,3-Dichloropropene	8.982	75	249298	170.450 ug/l		99
54) cis-1,3-Dichloropropene	8.373	75	262248	161.266 ug/l		93
55) 1,1,2-Trichloroethane	9.153	97	154220	153.049 ug/l		98
56) Ethyl methacrylate	9.122	69	261827	168.851 ug/l		97
57) 1,3-Dichloropropane	9.311	76	263879	148.186 ug/l		99
58) 2-Chloroethyl Vinyl ether	8.251	63	676448	800.891 ug/l		100
59) 2-Hexanone	9.433	43	908142	806.953 ug/l		98
60) Dibromochloromethane	9.525	129	185185	156.239 ug/l		99
61) 1,2-Dibromoethane	9.610	107	156873	149.399 ug/l		97
64) Tetrachloroethene	9.275	164	114275	140.948 ug/l		96
65) Chlorobenzene	10.080	112	414361	145.311 ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.165	131	152702	158.472 ug/l		99
67) Ethyl Benzene	10.195	91	742300	149.114 ug/l		100
68) m/p-Xylenes	10.305	106	537140	297.452 ug/l		99
69) o-Xylene	10.640	106	263508	150.865 ug/l		99
70) Styrene	10.653	104	457350	152.965 ug/l		99
71) Bromoform	10.799	173	121843	165.836 ug/l	#	97
73) Isopropylbenzene	10.964	105	714594	155.114 ug/l		100
74) N-amyl acetate	10.842	43	354967	174.965 ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	229605	155.706 ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	191913m	152.081 ug/l		
77) Bromobenzene	11.195	156	163113	152.540 ug/l		99
78) n-propylbenzene	11.305	91	846247	151.764 ug/l		99
79) 2-Chlorotoluene	11.366	91	503830	149.837 ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	582683	151.781 ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	77638	180.416 ug/l		91
82) 4-Chlorotoluene	11.451	91	585232	146.836 ug/l		98
83) tert-Butylbenzene	11.713	119	612111	156.630 ug/l		96
84) 1,2,4-Trimethylbenzene	11.750	105	590035	151.929 ug/l		100
85) sec-Butylbenzene	11.890	105	761909	151.730 ug/l		100
86) p-Isopropyltoluene	12.006	119	628539	150.146 ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	305990	147.362 ug/l		99
88) 1,4-Dichlorobenzene	12.043	146	308002	143.149 ug/l		99
89) n-Butylbenzene	12.329	91	613010	149.115 ug/l		99
90) Hexachloroethane	12.536	117	120040	161.336 ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	298047	148.701 ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	59166	179.177 ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	209982	153.577 ug/l		99
94) Hexachlorobutadiene	13.725	225	92311	145.277 ug/l		98
95) Naphthalene	13.774	128	739300	170.506 ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	210596	153.606 ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

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

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

ICAL Form

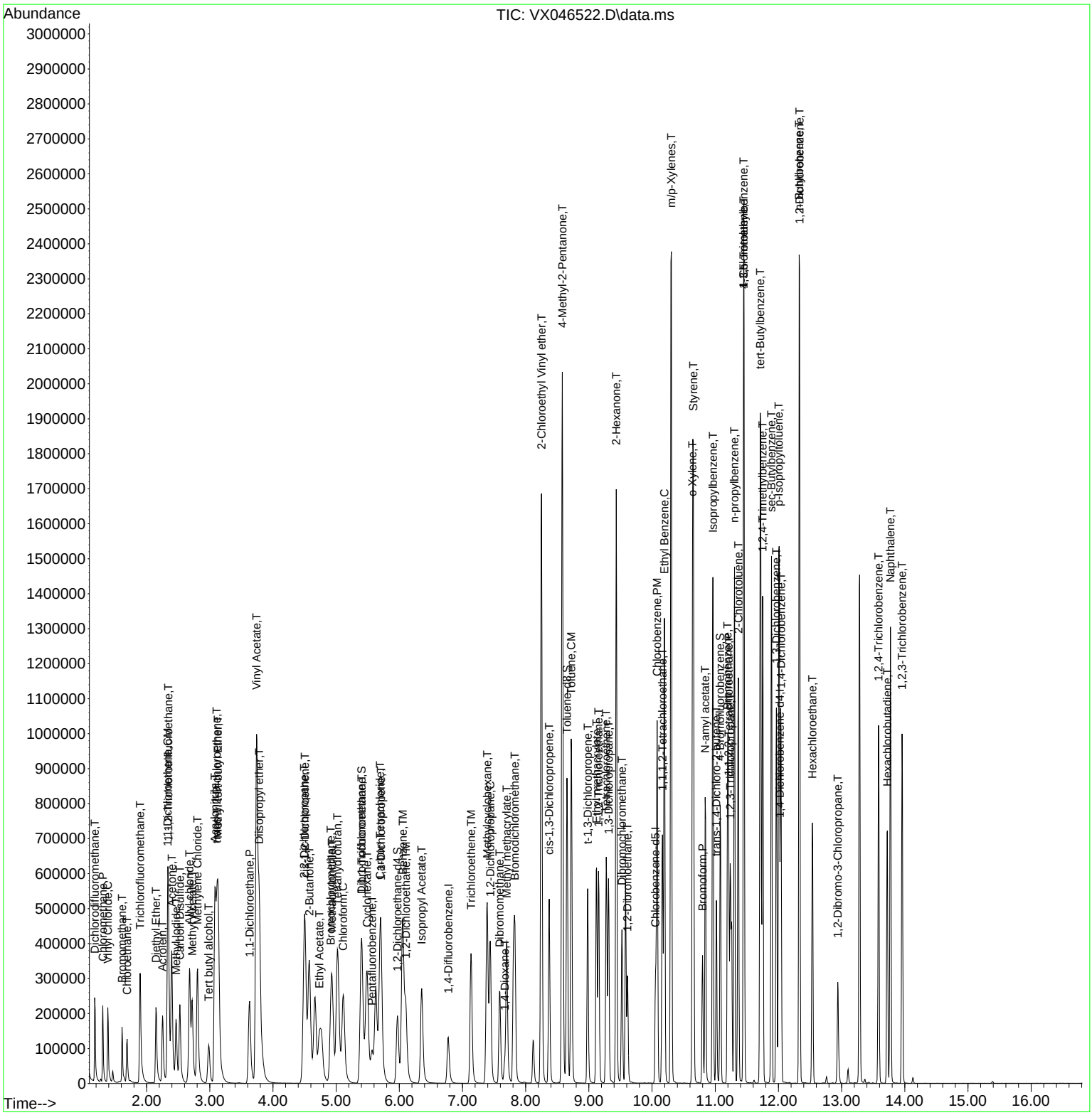
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046522.D
Acq On : 06 Jun 2025 11:25
Operator : JC/MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 06 16:42:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	5.556	168	92377	50.000	ug/l		-0.01
34) 1,4-Difluorobenzene	6.763	114	161412	50.000	ug/l		-0.01
63) Chlorobenzene-d5	10.055	117	144029	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	72344	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	0.000	65	0d	0.000	ug/l		
Spiked Amount 50.000	Range 74 - 125		Recovery =	0.000%#			
35) Dibromofluoromethane	0.000	113	0d	0.000	ug/l		
Spiked Amount 50.000	Range 75 - 124		Recovery =	0.000%#			
50) Toluene-d8	0.000	98	0d	0.000	ug/l		
Spiked Amount 50.000	Range 86 - 113		Recovery =	0.000%#			
62) 4-Bromofluorobenzene	0.000	95	0d	0.000	ug/l		
Spiked Amount 50.000	Range 77 - 121		Recovery =	0.000%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	1.184	85	1548	1.207	ug/l		89
3) Chloromethane	1.306	50	1317	1.128	ug/l		95
4) Vinyl Chloride	1.386	62	1255	1.078	ug/l	#	83
6) Chloroethane	1.697	64	940	1.245	ug/l	#	76
7) Trichlorofluoromethane	1.904	101	1882	0.977	ug/l		95
8) Diethyl Ether	2.136	74	762	1.120	ug/l		100
9) 1,1,2-Trichlorotrifluo...	2.349	101	1288	1.062	ug/l		95
12) 1,1-Dichloroethene	2.337	96	1174	1.070	ug/l		78
14) Allyl chloride	2.678	41	2371	1.101	ug/l		94
15) Acrylonitrile	3.080	53	3158	4.580	ug/l		90
16) Acetone	2.392	43	5228	12.546	ug/l		99
17) Carbon Disulfide	2.526	76	4273	2.030	ug/l		100
18) Methyl Acetate	2.721	43	1631	0.833	ug/l	#	90
19) Methyl tert-butyl Ether	3.123	73	3460	0.902	ug/l		92
20) Methylene Chloride	2.806	84	1604	1.217	ug/l		93
21) trans-1,2-Dichloroethene	3.105	96	1451	1.250	ug/l		94
22) Diisopropyl ether	3.763	45	3727	0.878	ug/l	#	1
23) Vinyl Acetate	3.739	43	15142	4.618	ug/l	#	93
24) 1,1-Dichloroethane	3.617	63	2366	1.000	ug/l	#	89
25) 2-Butanone	4.598	43	4468	4.884	ug/l	#	87
26) 2,2-Dichloropropane	4.483	77	1663	0.947	ug/l		86
27) cis-1,2-Dichloroethene	4.507	96	1600	1.120	ug/l		94
28) Bromochloromethane	4.928	49	1200	1.063	ug/l	#	89
29) Tetrahydrofuran	5.037	42	2828	4.895	ug/l		89
30) Chloroform	5.098	83	2492	1.005	ug/l		98
32) 1,1,1-Trichloroethane	5.391	97	2090	0.985	ug/l	#	53
36) 1,1-Dichloropropene	5.702	75	2130	1.256	ug/l	#	70
37) Ethyl Acetate	4.739	43	1146m	0.693	ug/l		
38) Carbon Tetrachloride	5.696	117	2113	1.113	ug/l	#	65
39) Methylcyclohexane	7.391	83	2339	1.169	ug/l	#	72
40) Benzene	6.043	78	4913	1.029	ug/l		99
41) Methacrylonitrile	4.952	41	901	0.877	ug/l	#	43
42) 1,2-Dichloroethane	6.104	62	1955	0.984	ug/l		82
43) Isopropyl Acetate	6.348	43	2493	0.864	ug/l	#	92
44) Trichloroethene	7.141	130	1537	1.267	ug/l		91
45) 1,2-Dichloropropane	7.433	63	1158	0.940	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	7.592	93	938	1.012	ug/l		92
47) Bromodichloromethane	7.830	83	1724	0.905	ug/l	#	91
48) Methyl methacrylate	7.714	41	1276	0.860	ug/l		94
49) 1,4-Dioxane	7.677	88	286	14.408	ug/l	#	79
51) 4-Methyl-2-Pentanone	8.573	43	7935	4.328	ug/l		98
52) Toluene	8.720	92	3027	1.032	ug/l		94
53) t-1,3-Dichloropropene	8.988	75	1550	0.907	ug/l		94
54) cis-1,3-Dichloropropene	8.378	75	1831	0.964	ug/l		91
55) 1,1,2-Trichloroethane	9.159	97	1069	0.908	ug/l	#	82
56) Ethyl methacrylate	9.122	69	1471	0.812	ug/l		94
57) 1,3-Dichloropropane	9.317	76	2109	1.014	ug/l		95
58) 2-Chloroethyl Vinyl ether	8.250	63	4480	4.540	ug/l		97
59) 2-Hexanone	9.439	43	5937	4.515	ug/l		91
60) Dibromochloromethane	9.524	129	1307	0.944	ug/l		89
61) 1,2-Dibromoethane	9.616	107	1355	1.105	ug/l		89
64) Tetrachloroethene	9.274	164	1182	1.227	ug/l		90
65) Chlorobenzene	10.079	112	3905	1.153	ug/l		97
66) 1,1,1,2-Tetrachloroethane	10.165	131	1042	0.910	ug/l	#	59
67) Ethyl Benzene	10.195	91	6238	1.055	ug/l	#	89
68) m/p-Xylenes	10.305	106	4454	2.076	ug/l		94
69) o-Xylene	10.640	106	2072	0.999	ug/l		96
70) Styrene	10.658	104	3482	0.980	ug/l		95
71) Bromoform	10.805	173	824	0.944	ug/l	#	95
73) Isopropylbenzene	10.963	105	5637	0.991	ug/l		99
74) N-amyl acetate	10.847	43	2060	0.823	ug/l		95
75) 1,1,2,2-Tetrachloroethane	11.213	83	1661	0.912	ug/l		86
76) 1,2,3-Trichloropropane	11.244	75	1578m	1.013	ug/l		
77) Bromobenzene	11.207	156	1386	1.050	ug/l		94
78) n-propylbenzene	11.305	91	7308	1.062	ug/l		92
79) 2-Chlorotoluene	11.366	91	4466	1.076	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	4806	1.014	ug/l		96
82) 4-Chlorotoluene	11.457	91	5603	1.139	ug/l		98
83) tert-Butylbenzene	11.713	119	4751	0.985	ug/l		97
84) 1,2,4-Trimethylbenzene	11.756	105	4928	1.028	ug/l		99
85) sec-Butylbenzene	11.890	105	6450	1.041	ug/l		99
86) p-Isopropyltoluene	12.012	119	5657	1.095	ug/l		96
87) 1,3-Dichlorobenzene	11.969	146	3045	1.188	ug/l		96
88) 1,4-Dichlorobenzene	12.036	146	3503m	1.319	ug/l		
89) n-Butylbenzene	12.335	91	6072	1.197	ug/l		97
90) Hexachloroethane	12.536	117	987	1.075	ug/l		88
91) 1,2-Dichlorobenzene	12.335	146	2761	1.116	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	12.945	75	345	0.846	ug/l		84
93) 1,2,4-Trichlorobenzene	13.591	180	2189	1.297	ug/l		92
94) Hexachlorobutadiene	13.725	225	1006	1.283	ug/l		97
95) Naphthalene	13.780	128	5474	1.023	ug/l		99
96) 1,2,3-Trichlorobenzene	13.963	180	2171	1.283	ug/l		96

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

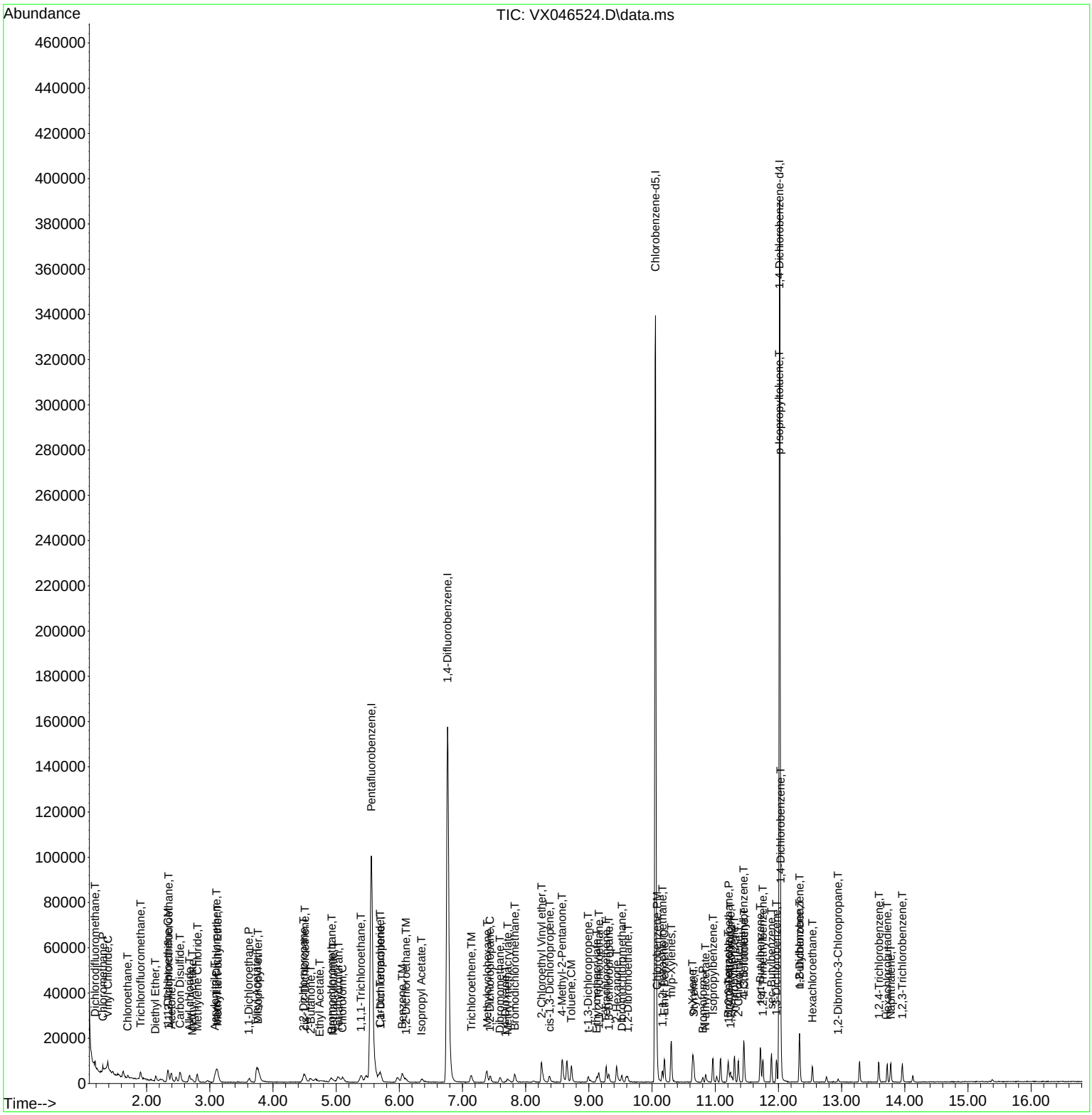
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046524.D
Acq On : 06 Jun 2025 12:57
Operator : JC/MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jun 06 16:43:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:38:39 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	87638	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	151058	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	132539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	65454	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	78349	50.250	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.500%			
35) Dibromofluoromethane	5.391	113	56698	51.039	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.080%			
50) Toluene-d8	8.647	98	183212	50.025	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.040%			
62) 4-Bromofluorobenzene	11.079	95	75584	49.880	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.760%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	59758	49.116	ug/l	98
3) Chloromethane	1.307	50	53337	48.162	ug/l	98
4) Vinyl Chloride	1.386	62	54649	49.502	ug/l	99
5) Bromomethane	1.618	94	34113	50.900	ug/l	93
6) Chloroethane	1.697	64	33633	46.955	ug/l	93
7) Trichlorofluoromethane	1.898	101	90940	49.788	ug/l	100
8) Diethyl Ether	2.142	74	32152	49.819	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	57034	49.561	ug/l	97
10) Methyl Iodide	2.465	142	67786	54.338	ug/l	100
11) Tert butyl alcohol	2.965	59	47374	273.823	ug/l	99
12) 1,1-Dichloroethene	2.331	96	51107	49.119	ug/l	99
13) Acrolein	2.246	56	51802	247.857	ug/l	98
14) Allyl chloride	2.678	41	105373	51.566	ug/l	94
15) Acrylonitrile	3.069	53	174229	266.347	ug/l	98
16) Acetone	2.386	43	157823	257.624	ug/l	99
17) Carbon Disulfide	2.526	76	110616	50.069	ug/l	98
18) Methyl Acetate	2.715	43	106595	57.396	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	195706	53.754	ug/l	98
20) Methylene Chloride	2.800	84	60058	48.013	ug/l	96
21) trans-1,2-Dichloroethene	3.099	96	52668	47.832	ug/l	96
22) Diisopropyl ether	3.770	45	212853	52.834	ug/l #	80
23) Vinyl Acetate	3.727	43	827531	266.053	ug/l	99
24) 1,1-Dichloroethane	3.617	63	115021	51.227	ug/l	98
25) 2-Butanone	4.562	43	232201	267.525	ug/l	99
26) 2,2-Dichloropropane	4.483	77	89180	53.502	ug/l	99
27) cis-1,2-Dichloroethene	4.501	96	66779	49.265	ug/l	99
28) Bromochloromethane	4.904	49	52893	49.390	ug/l	99
29) Tetrahydrofuran	5.013	42	146302	266.904	ug/l	98
30) Chloroform	5.099	83	119994	51.004	ug/l	95
31) Cyclohexane	5.477	56	88988	49.093	ug/l	99
32) 1,1,1-Trichloroethane	5.391	97	103945	51.651	ug/l	97
36) 1,1-Dichloropropene	5.696	75	75696	47.703	ug/l	99
37) Ethyl Acetate	4.721	43	90139	58.203	ug/l	99
38) Carbon Tetrachloride	5.684	117	87750	49.372	ug/l	96
39) Methylcyclohexane	7.385	83	89168	47.608	ug/l	99
40) Benzene	6.044	78	221890	49.672	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.922	41	54128	56.282	ug/l		97
42) 1,2-Dichloroethane	6.092	62	94588	50.897	ug/l		99
43) Isopropyl Acetate	6.342	43	146579	54.290	ug/l		100
44) Trichloroethene	7.129	130	54213	47.764	ug/l		96
45) 1,2-Dichloropropane	7.434	63	59286	51.417	ug/l		99
46) Dibromomethane	7.586	93	44071	50.807	ug/l		99
47) Bromodichloromethane	7.824	83	94362	52.906	ug/l		97
48) Methyl methacrylate	7.696	41	76134	54.806	ug/l		97
49) 1,4-Dioxane	7.659	88	20118	1082.971	ug/l		94
51) 4-Methyl-2-Pentanone	8.574	43	466259	271.760	ug/l		100
52) Toluene	8.714	92	136448	49.719	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	85596	53.526	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	92273	51.896	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	57283	51.993	ug/l		98
56) Ethyl methacrylate	9.116	69	92299	54.440	ug/l		97
57) 1,3-Dichloropropane	9.305	76	98748	50.718	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	240616	260.553	ug/l		100
59) 2-Hexanone	9.427	43	337353	274.165	ug/l		99
60) Dibromochloromethane	9.519	129	68814	53.100	ug/l		97
61) 1,2-Dibromoethane	9.610	107	57046	49.689	ug/l		96
64) Tetrachloroethene	9.275	164	42310	47.739	ug/l		97
65) Chlorobenzene	10.080	112	154357	49.518	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	55536	52.723	ug/l		100
67) Ethyl Benzene	10.195	91	273659	50.288	ug/l		98
68) m/p-Xylenes	10.299	106	199258	100.941	ug/l		99
69) o-Xylene	10.640	106	97151	50.882	ug/l		99
70) Styrene	10.653	104	169628	51.899	ug/l		100
71) Bromoform	10.799	173	42728	53.200	ug/l	#	99
73) Isopropylbenzene	10.957	105	266347	51.765	ug/l		100
74) N-amyl acetate	10.842	43	125656	55.456	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.213	83	86308	52.405	ug/l		99
76) 1,2,3-Trichloropropane	11.238	75	73842m	53.262	ug/l		
77) Bromobenzene	11.195	156	60607	50.748	ug/l		98
78) n-propylbenzene	11.305	91	316743	50.860	ug/l		100
79) 2-Chlorotoluene	11.360	91	191582	51.014	ug/l		99
80) 1,3,5-Trimethylbenzene	11.451	105	221291	51.612	ug/l		99
81) trans-1,4-Dichloro-2-b...	11.018	75	26534	55.208	ug/l		97
82) 4-Chlorotoluene	11.451	91	224207	50.368	ug/l		99
83) tert-Butylbenzene	11.713	119	226613	51.919	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	223226	51.464	ug/l		99
85) sec-Butylbenzene	11.890	105	284027	50.644	ug/l		100
86) p-Isopropyltoluene	12.006	119	237583	50.815	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	114034	49.171	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	114838	47.788	ug/l		99
89) n-Butylbenzene	12.329	91	232333	50.601	ug/l		100
90) Hexachloroethane	12.536	117	42498	51.141	ug/l		99
91) 1,2-Dichlorobenzene	12.335	146	111587	49.847	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	20611	55.886	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	75169	49.224	ug/l		99
94) Hexachlorobutadiene	13.725	225	33512	47.222	ug/l		98
95) Naphthalene	13.774	128	257845	53.245	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	75157	49.082	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

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

ICAL Form

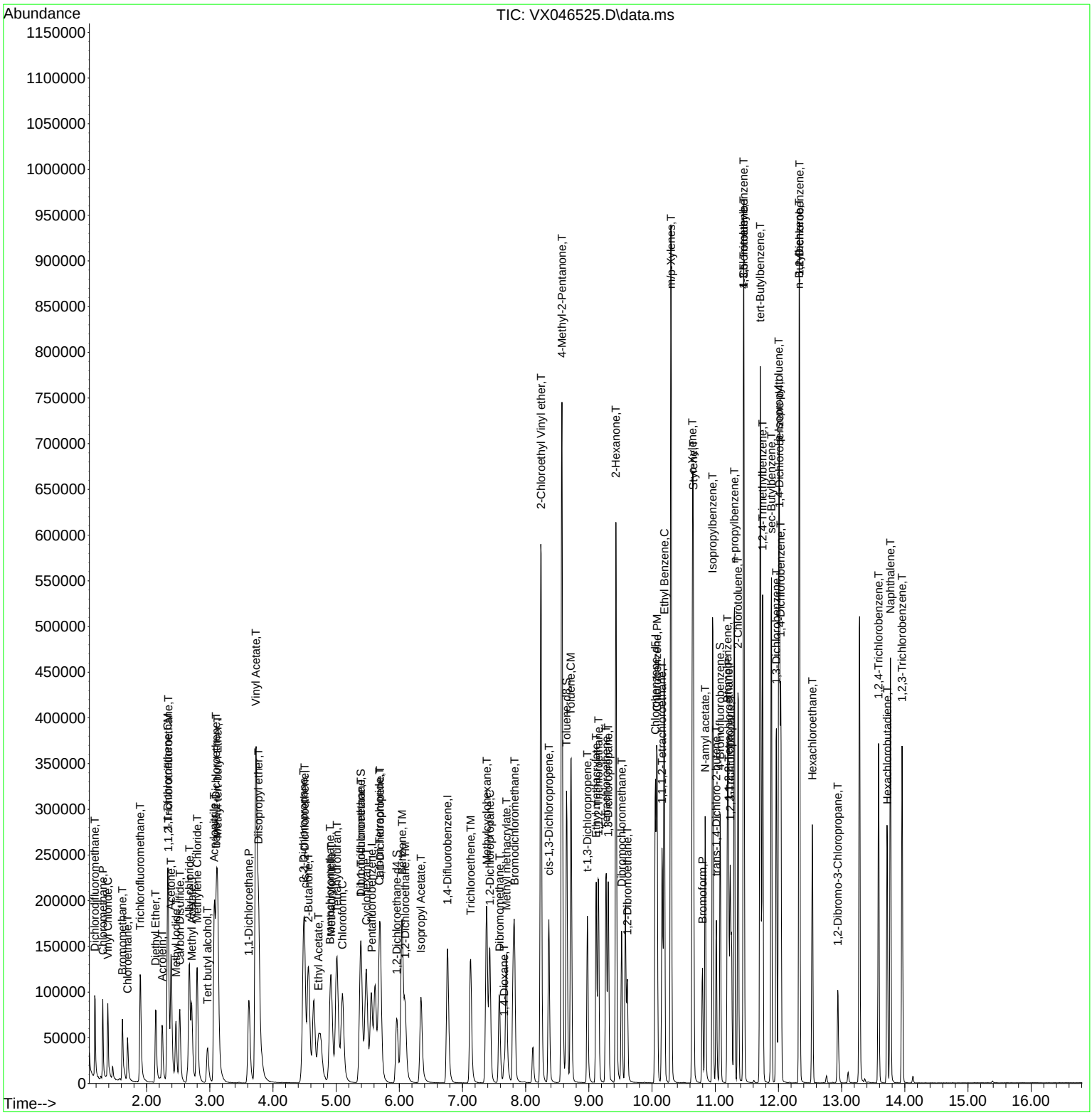
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Manual Integrations APPROVED

Reviewed By :John Carlone 06/06/2025
Supervised By :Mahesh Dadoda 06/09/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	0.694	0.682	1.7	103	0.00
3	P	Chloromethane	0.632	0.609	3.6	103	0.00
4	C	Vinyl Chloride	0.630	0.624	1.0#	102	0.00
5	T	Bromomethane	0.382	0.389	-1.8	95	0.00
6	T	Chloroethane	0.409	0.384	6.1	100	0.00
7	T	Trichlorofluoromethane	1.042	1.038	0.4	99	0.00
8	T	Diethyl Ether	0.368	0.367	0.3	100	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	0.657	0.651	0.9	99	0.00
10	T	Methyl Iodide	0.712	0.773	-8.6	105	0.00
11	T	Tert butyl alcohol	0.099	0.108	-9.1	108	0.00
12	CM	1,1-Dichloroethene	0.594	0.583	1.9#	100	0.00
13	T	Acrolein	0.103	0.118	-14.6	102	0.00
14	T	Allyl chloride	1.166	1.202	-3.1	103	0.00
15	T	Acrylonitrile	0.373	0.398	-6.7	102	-0.01
16	T	Acetone	0.381	0.360	5.5	103	0.00
17	T	Carbon Disulfide	1.481	1.262	14.8	101	0.00
18	T	Methyl Acetate	1.060	1.216	-14.7	105	0.00
19	T	Methyl tert-butyl Ether	2.077	2.233	-7.5	103	-0.01
20	T	Methylene Chloride	0.714	0.685	4.1	101	0.00
21	T	trans-1,2-Dichloroethene	0.628	0.601	4.3	100	-0.01
22	T	Diisopropyl ether	2.298	2.429	-5.7	101	-0.01
23	T	Vinyl Acetate	1.775	1.889	-6.4	100	-0.01
24	P	1,1-Dichloroethane	1.281	1.312	-2.4	101	-0.01
25	T	2-Butanone	0.495	0.530	-7.1	102	-0.01
26	T	2,2-Dichloropropane	0.951	1.018	-7.0	102	-0.01
27	T	cis-1,2-Dichloroethene	0.773	0.762	1.4	100	0.00
28	T	Bromochloromethane	0.611	0.604	1.1	100	-0.01
29	T	Tetrahydrofuran	0.313	0.334	-6.7	103	0.00
30	C	Chloroform	1.342	1.369	-2.0#	101	-0.01
31	T	Cyclohexane	1.034	1.015	1.8	99	-0.01
32	T	1,1,1-Trichloroethane	1.148	1.186	-3.3	101	0.00
33	S	1,2-Dichloroethane-d4	0.890	0.894	-0.4	100	-0.01
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	97	-0.01
35	S	Dibromofluoromethane	0.368	0.375	-1.9	99	-0.01
36	T	1,1-Dichloropropene	0.525	0.501	4.6	100	-0.02
37	T	Ethyl Acetate	0.513	0.597	-16.4	104	-0.01
38	T	Carbon Tetrachloride	0.588	0.581	1.2	100	-0.01
39	T	Methylcyclohexane	0.620	0.590	4.8	100	0.00
40	TM	Benzene	1.479	1.469	0.7	100	-0.01
41	T	Methacrylonitrile	0.318	0.358	-12.6	107	-0.01
42	TM	1,2-Dichloroethane	0.615	0.626	-1.8	99	0.00
43	T	Isopropyl Acetate	0.894	0.970	-8.5	102	-0.01
44	TM	Trichloroethene	0.376	0.359	4.5	99	0.00
45	C	1,2-Dichloropropane	0.382	0.392	-2.6#	100	0.00
46	T	Dibromomethane	0.287	0.292	-1.7	101	0.00
47	T	Bromodichloromethane	0.590	0.625	-5.9	100	0.00
48	T	Methyl methacrylate	0.460	0.504	-9.6	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	102	-0.01
50	S	Toluene-d8	1.212	1.213	-0.1	99	0.00
51	T	4-Methyl-2-Pentanone	0.568	0.617	-8.6	101	0.00
52	CM	Toluene	0.908	0.903	0.6#	99	0.00
53	T	t-1,3-Dichloropropene	0.529	0.567	-7.2	101	0.00
54	T	cis-1,3-Dichloropropene	0.589	0.611	-3.7	100	0.00
55	T	1,1,2-Trichloroethane	0.365	0.379	-3.8	100	0.00
56	T	Ethyl methacrylate	0.561	0.611	-8.9	101	0.00
57	T	1,3-Dichloropropane	0.644	0.654	-1.6	99	0.00
58	T	2-Chloroethyl Vinyl ether	0.306	0.319	-4.2	98	0.00
59	T	2-Hexanone	0.407	0.447	-9.8	101	0.00
60	T	Dibromochloromethane	0.429	0.456	-6.3	102	0.00
61	T	1,2-Dibromoethane	0.380	0.378	0.5	99	0.00
62	S	4-Bromofluorobenzene	0.502	0.500	0.4	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	97	0.00
64	T	Tetrachloroethene	0.334	0.319	4.5	100	0.00
65	PM	Chlorobenzene	1.176	1.165	0.9	100	0.00
66	T	1,1,1,2-Tetrachloroethane	0.397	0.419	-5.5	101	0.00
67	C	Ethyl Benzene	2.053	2.065	-0.6#	99	0.00
68	T	m/p-Xylenes	0.745	0.752	-0.9	99	0.00
69	T	o-Xylene	0.720	0.733	-1.8	99	0.00
70	T	Styrene	1.233	1.280	-3.8	99	0.00
71	P	Bromoform	0.303	0.322	-6.3	100	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	95	0.00
73	T	Isopropylbenzene	3.930	4.069	-3.5	99	0.00
74	T	N-amyl acetate	1.731	1.920	-10.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	1.258	1.319	-4.8	100	0.00
76	T	1,2,3-Trichloropropane	1.059	1.128	-6.5	102	0.00
77	T	Bromobenzene	0.912	0.926	-1.5	100	0.00
78	T	n-propylbenzene	4.757	4.839	-1.7	98	0.00
79	T	2-Chlorotoluene	2.869	2.927	-2.0	100	0.00
80	T	1,3,5-Trimethylbenzene	3.275	3.381	-3.2	99	0.00
81	T	trans-1,4-Dichloro-2-butene	0.367	0.405	-10.4	104	0.00
82	T	4-Chlorotoluene	3.400	3.425	-0.7	99	0.00
83	T	tert-Butylbenzene	3.334	3.462	-3.8	100	0.00
84	T	1,2,4-Trimethylbenzene	3.313	3.410	-2.9	100	0.00
85	T	sec-Butylbenzene	4.284	4.339	-1.3	99	0.00
86	T	p-Isopropyltoluene	3.572	3.630	-1.6	99	0.00
87	T	1,3-Dichlorobenzene	1.772	1.742	1.7	98	0.00
88	T	1,4-Dichlorobenzene	1.836	1.754	4.5	100	0.00
89	T	n-Butylbenzene	3.507	3.550	-1.2	101	0.00
90	T	Hexachloroethane	0.635	0.649	-2.2	101	0.00
91	T	1,2-Dichlorobenzene	1.710	1.705	0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.282	0.315	-11.7	105	0.00
93	T	1,2,4-Trichlorobenzene	1.167	1.148	1.6	101	0.00
94	T	Hexachlorobutadiene	0.542	0.512	5.5	97	0.00
95	T	Naphthalene	3.699	3.939	-6.5	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.170	1.148	1.9	100	0.00

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

Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	97	0.00
2	T	Dichlorodifluoromethane	50.000	49.116	1.8	103	0.00
3	P	Chloromethane	50.000	48.162	3.7	103	0.00
4	C	Vinyl Chloride	50.000	49.502	1.0#	102	0.00
5	T	Bromomethane	50.000	50.900	-1.8	95	0.00
6	T	Chloroethane	50.000	46.955	6.1	100	0.00
7	T	Trichlorofluoromethane	50.000	49.788	0.4	99	0.00
8	T	Diethyl Ether	50.000	49.819	0.4	100	-0.01
9	T	1,1,2-Trichlorotrifluoroeth	50.000	49.561	0.9	99	0.00
10	T	Methyl Iodide	50.000	54.338	-8.7	105	0.00
11	T	Tert butyl alcohol	250.000	273.823	-9.5	108	0.00
12	CM	1,1-Dichloroethene	50.000	49.119	1.8#	100	0.00
13	T	Acrolein	250.000	247.857	0.9	102	0.00
14	T	Allyl chloride	50.000	51.566	-3.1	103	0.00
15	T	Acrylonitrile	250.000	266.347	-6.5	102	-0.01
16	T	Acetone	250.000	257.624	-3.0	103	0.00
17	T	Carbon Disulfide	50.000	50.069	-0.1	101	0.00
18	T	Methyl Acetate	50.000	57.396	-14.8	105	0.00
19	T	Methyl tert-butyl Ether	50.000	53.754	-7.5	103	-0.01
20	T	Methylene Chloride	50.000	48.013	4.0	101	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.832	4.3	100	-0.01
22	T	Diisopropyl ether	50.000	52.834	-5.7	101	-0.01
23	T	Vinyl Acetate	250.000	266.053	-6.4	100	-0.01
24	P	1,1-Dichloroethane	50.000	51.227	-2.5	101	-0.01
25	T	2-Butanone	250.000	267.525	-7.0	102	-0.01
26	T	2,2-Dichloropropane	50.000	53.502	-7.0	102	-0.01
27	T	cis-1,2-Dichloroethene	50.000	49.265	1.5	100	0.00
28	T	Bromochloromethane	50.000	49.390	1.2	100	-0.01
29	T	Tetrahydrofuran	250.000	266.904	-6.8	103	0.00
30	C	Chloroform	50.000	51.004	-2.0#	101	-0.01
31	T	Cyclohexane	50.000	49.093	1.8	99	-0.01
32	T	1,1,1-Trichloroethane	50.000	51.651	-3.3	101	0.00
33	S	1,2-Dichloroethane-d4	50.000	50.250	-0.5	100	-0.01
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	97	-0.01
35	S	Dibromofluoromethane	50.000	51.039	-2.1	99	-0.01
36	T	1,1-Dichloropropene	50.000	47.703	4.6	100	-0.02
37	T	Ethyl Acetate	50.000	58.203	-16.4	104	-0.01
38	T	Carbon Tetrachloride	50.000	49.372	1.3	100	-0.01
39	T	Methylcyclohexane	50.000	47.608	4.8	100	0.00
40	TM	Benzene	50.000	49.672	0.7	100	-0.01
41	T	Methacrylonitrile	50.000	56.282	-12.6	107	-0.01
42	TM	1,2-Dichloroethane	50.000	50.897	-1.8	99	0.00
43	T	Isopropyl Acetate	50.000	54.290	-8.6	102	-0.01
44	TM	Trichloroethene	50.000	47.764	4.5	99	0.00
45	C	1,2-Dichloropropane	50.000	51.417	-2.8#	100	0.00
46	T	Dibromomethane	50.000	50.807	-1.6	101	0.00
47	T	Bromodichloromethane	50.000	52.906	-5.8	100	0.00
48	T	Methyl methacrylate	50.000	54.806	-9.6	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1082.971	-8.3	102	-0.01
50	S	Toluene-d8	50.000	50.025	-0.0	99	0.00
51	T	4-Methyl-2-Pentanone	250.000	271.760	-8.7	101	0.00
52	CM	Toluene	50.000	49.719	0.6#	99	0.00
53	T	t-1,3-Dichloropropene	50.000	53.526	-7.1	101	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.896	-3.8	100	0.00
55	T	1,1,2-Trichloroethane	50.000	51.993	-4.0	100	0.00
56	T	Ethyl methacrylate	50.000	54.440	-8.9	101	0.00
57	T	1,3-Dichloropropane	50.000	50.718	-1.4	99	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	260.553	-4.2	98	0.00
59	T	2-Hexanone	250.000	274.165	-9.7	101	0.00
60	T	Dibromochloromethane	50.000	53.100	-6.2	102	0.00
61	T	1,2-Dibromoethane	50.000	49.689	0.6	99	0.00
62	S	4-Bromofluorobenzene	50.000	49.880	0.2	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	97	0.00
64	T	Tetrachloroethene	50.000	47.739	4.5	100	0.00
65	PM	Chlorobenzene	50.000	49.518	1.0	100	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.723	-5.4	101	0.00
67	C	Ethyl Benzene	50.000	50.288	-0.6#	99	0.00
68	T	m/p-Xylenes	100.000	100.941	-0.9	99	0.00
69	T	o-Xylene	50.000	50.882	-1.8	99	0.00
70	T	Styrene	50.000	51.899	-3.8	99	0.00
71	P	Bromoform	50.000	53.200	-6.4	100	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	95	0.00
73	T	Isopropylbenzene	50.000	51.765	-3.5	99	0.00
74	T	N-amyl acetate	50.000	55.456	-10.9	101	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	52.405	-4.8	100	0.00
76	T	1,2,3-Trichloropropane	50.000	53.262	-6.5	102	0.00
77	T	Bromobenzene	50.000	50.748	-1.5	100	0.00
78	T	n-propylbenzene	50.000	50.860	-1.7	98	0.00
79	T	2-Chlorotoluene	50.000	51.014	-2.0	100	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.612	-3.2	99	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	55.208	-10.4	104	0.00
82	T	4-Chlorotoluene	50.000	50.368	-0.7	99	0.00
83	T	tert-Butylbenzene	50.000	51.919	-3.8	100	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.464	-2.9	100	0.00
85	T	sec-Butylbenzene	50.000	50.644	-1.3	99	0.00
86	T	p-Isopropyltoluene	50.000	50.815	-1.6	99	0.00
87	T	1,3-Dichlorobenzene	50.000	49.171	1.7	98	0.00
88	T	1,4-Dichlorobenzene	50.000	47.788	4.4	100	0.00
89	T	n-Butylbenzene	50.000	50.601	-1.2	101	0.00
90	T	Hexachloroethane	50.000	51.141	-2.3	101	0.00
91	T	1,2-Dichlorobenzene	50.000	49.847	0.3	99	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	55.886	-11.8	105	0.00
93	T	1,2,4-Trichlorobenzene	50.000	49.224	1.6	101	0.00
94	T	Hexachlorobutadiene	50.000	47.222	5.6	97	0.00
95	T	Naphthalene	50.000	53.245	-6.5	101	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046525.D
Acq On : 06 Jun 2025 14:11
Operator : JC/MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
ICVVX060625

Quant Time: Jun 06 16:57:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.082	1.8	100	0.00

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

Raw Data: **VN086888.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG No.: Q2236

Instrument ID: MSVOA_N Calibration Date/Time: 06/09/2025 08:37

Lab File ID: VN086888.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:44 14:49

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.635		-4.37	20
1,1-Dichloroethene	0.557	0.556		-0.18	20
2-Butanone	0.577	0.476		-17.5	20
Carbon Tetrachloride	0.433	0.431		-0.46	20
Chloroform	1.118	1.055		-5.64	20
Benzene	1.444	1.423		-1.45	20
1,2-Dichloroethane	0.438	0.420		-4.11	20
Trichloroethene	0.342	0.352		2.92	20
Tetrachloroethene	0.316	0.318		0.63	20
Chlorobenzene	1.103	1.140	0.3	3.35	20
1,2-Dichloroethane-d4	0.669	0.579		-13.45	20
Dibromofluoromethane	0.296	0.295		-0.34	20
Toluene-d8	1.173	1.125		-4.09	20
4-Bromofluorobenzene	0.436	0.405		-7.11	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	261450	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	451735	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	380922	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178512	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151401	43.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 86.500%			
35) Dibromofluoromethane	8.171	113	133059	49.703	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.400%			
50) Toluene-d8	10.565	98	508186	47.952	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.900%			
62) 4-Bromofluorobenzene	12.847	95	183178	46.522	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	131431	50.418	ug/l	100
3) Chloromethane	2.395	50	142334	42.283	ug/l	100
4) Vinyl Chloride	2.553	62	165927	47.784	ug/l	100
5) Bromomethane	2.995	94	85311	43.902	ug/l	97
6) Chloroethane	3.153	64	108042	48.168	ug/l	97
7) Trichlorofluoromethane	3.530	101	219379	48.355	ug/l	98
8) Diethyl Ether	3.983	74	100884	51.036	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.394	101	136423	47.861	ug/l	98
10) Methyl Iodide	4.612	142	158675	42.943	ug/l	99
11) Tert butyl alcohol	5.536	59	189595	199.609	ug/l	100
12) 1,1-Dichloroethene	4.365	96	145286	49.926	ug/l	93
13) Acrolein	4.200	56	58499	194.571	ug/l	99
14) Allyl chloride	5.047	41	208266	43.154	ug/l	94
15) Acrylonitrile	5.730	53	500417	225.403	ug/l	99
16) Acetone	4.442	43	400746	215.878	ug/l	97
17) Carbon Disulfide	4.736	76	371521	46.155	ug/l	100
18) Methyl Acetate	5.041	43	233967	43.249	ug/l	96
19) Methyl tert-butyl Ether	5.812	73	517229	49.089	ug/l	100
20) Methylene Chloride	5.300	84	161828	46.563	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	152734	47.175	ug/l	94
22) Diisopropyl ether	6.683	45	463864	45.597	ug/l	96
23) Vinyl Acetate	6.618	43	1964382	228.547	ug/l	97
24) 1,1-Dichloroethane	6.588	63	275601	47.076	ug/l	99
25) 2-Butanone	7.488	43	622664	206.354	ug/l	96
26) 2,2-Dichloropropane	7.500	77	242583	53.268	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	188349	48.643	ug/l	97
28) Bromochloromethane	7.824	49	118085	41.024	ug/l	89
29) Tetrahydrofuran	7.847	42	407833	207.479	ug/l	94
30) Chloroform	7.977	83	275806	47.175	ug/l	97
31) Cyclohexane	8.265	56	231271	40.735	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	228902	46.033	ug/l	96
36) 1,1-Dichloropropene	8.377	75	196210	49.186	ug/l	98
37) Ethyl Acetate	7.571	43	233388	45.959	ug/l	99
38) Carbon Tetrachloride	8.371	117	194527	49.670	ug/l	99
39) Methylcyclohexane	9.606	83	243701	44.591	ug/l	95
40) Benzene	8.612	78	642732	49.272	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	127571	44.731	ug/l		93
42) 1,2-Dichloroethane	8.677	62	189921	48.002	ug/l		98
43) Isopropyl Acetate	8.694	43	373849	45.868	ug/l		96
44) Trichloroethene	9.353	130	159166	51.458	ug/l		98
45) 1,2-Dichloropropane	9.624	63	156517	49.319	ug/l		99
46) Dibromomethane	9.712	93	109794	52.086	ug/l		96
47) Bromodichloromethane	9.888	83	216561	49.933	ug/l		99
48) Methyl methacrylate	9.682	41	170025	45.323	ug/l		95
49) 1,4-Dioxane	9.700	88	61836	906.076	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	1145420	233.442	ug/l		96
52) Toluene	10.629	92	396562	49.745	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	252866	52.141	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	269095	51.859	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	153943	50.186	ug/l		99
56) Ethyl methacrylate	10.876	69	265661	54.375	ug/l		92
57) 1,3-Dichloropropane	11.165	76	265229	49.844	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	673133	230.994	ug/l		96
59) 2-Hexanone	11.200	43	772443	244.401	ug/l		96
60) Dibromochloromethane	11.359	129	169362	52.993	ug/l		99
61) 1,2-Dibromoethane	11.470	107	160398	51.016	ug/l		100
64) Tetrachloroethene	11.106	164	121144	50.252	ug/l		95
65) Chlorobenzene	11.888	112	434126	51.673	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	142266	52.679	ug/l		99
67) Ethyl Benzene	11.965	91	716652	49.523	ug/l		100
68) m/p-Xylenes	12.070	106	565069	102.006	ug/l		97
69) o-Xylene	12.394	106	274597	51.757	ug/l		96
70) Styrene	12.412	104	475772	52.406	ug/l		99
71) Bromoform	12.576	173	114286	57.115	ug/l	#	99
73) Isopropylbenzene	12.694	105	664595	51.104	ug/l		99
74) N-amyl acetate	12.506	43	251426	55.326	ug/l	#	91
75) 1,1,2,2-Tetrachloroethane	12.935	83	234561	53.240	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	198486m	46.776	ug/l		
77) Bromobenzene	12.982	156	168142	56.377	ug/l		94
78) n-propylbenzene	13.035	91	787597	49.835	ug/l		98
79) 2-Chlorotoluene	13.123	91	476012	50.223	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	544603	50.722	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.735	75	106090	57.553	ug/l		89
82) 4-Chlorotoluene	13.217	91	488581	50.946	ug/l		98
83) tert-Butylbenzene	13.435	119	499574	50.830	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	553058	51.368	ug/l		100
85) sec-Butylbenzene	13.612	105	691815	48.470	ug/l		99
86) p-Isopropyltoluene	13.729	119	588262	49.859	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	306195	52.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	313266	52.364	ug/l		99
89) n-Butylbenzene	14.053	91	525720	46.003	ug/l		98
90) Hexachloroethane	14.329	117	98638	49.322	ug/l		97
91) 1,2-Dichlorobenzene	14.106	146	294253	52.195	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	49360	46.847	ug/l		87
93) 1,2,4-Trichlorobenzene	15.388	180	175725	48.814	ug/l		99
94) Hexachlorobutadiene	15.500	225	57205	42.652	ug/l		98
95) Naphthalene	15.635	128	668022	49.854	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	167447	46.816	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

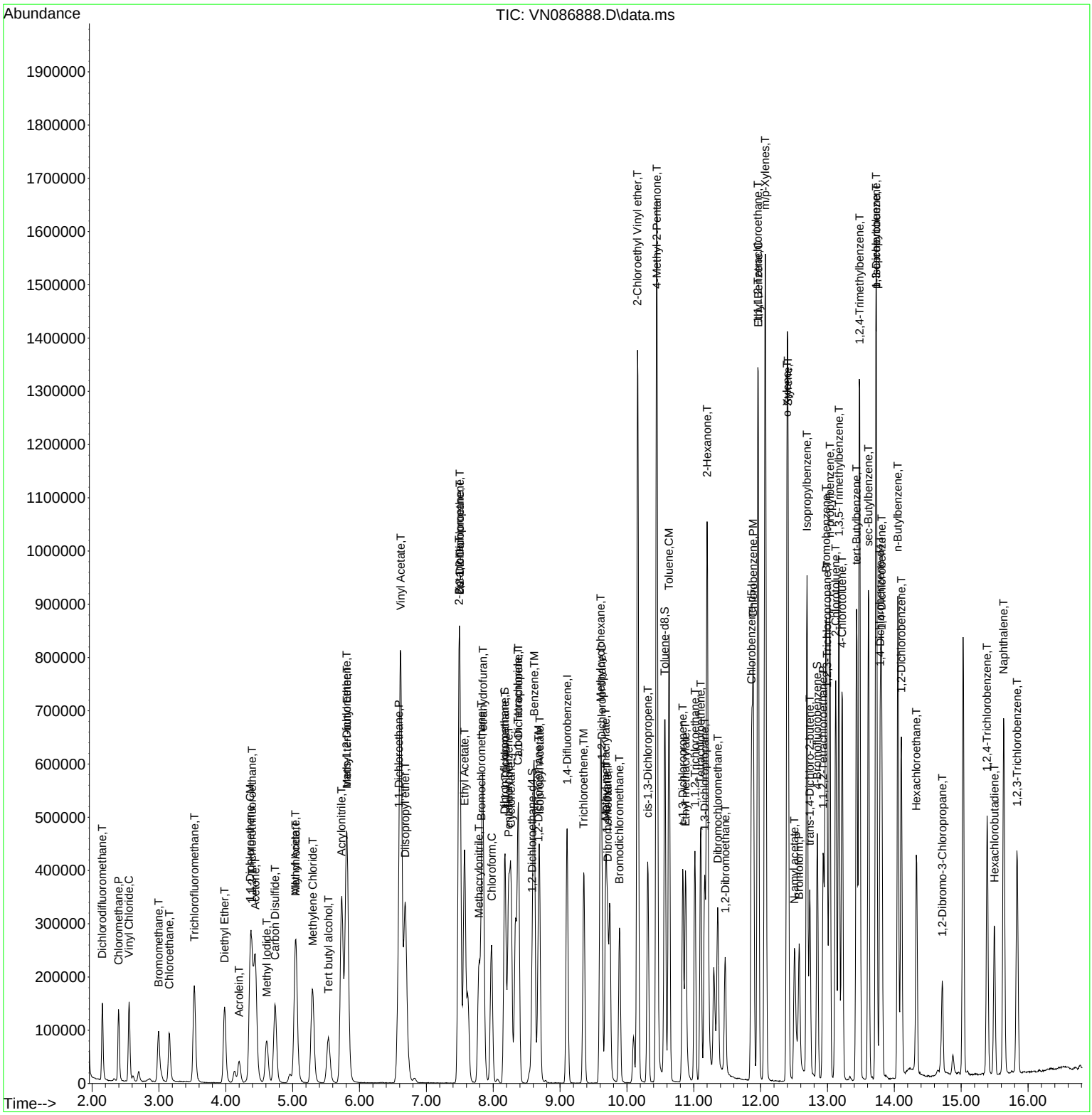
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



Sample Results: **VN086888.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	126	0.00
2	T	Dichlorodifluoromethane	0.499	0.503	-0.8	126	0.00
3	P	Chloromethane	0.644	0.544	15.5	115	0.00
4	C	Vinyl Chloride	0.664	0.635	4.4#	125	0.00
5	T	Bromomethane	0.372	0.326	12.4	115	0.00
6	T	Chloroethane	0.429	0.413	3.7	128	0.00
7	T	Trichlorofluoromethane	0.868	0.839	3.3	127	0.00
8	T	Diethyl Ether	0.378	0.386	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.545	0.522	4.2	127	0.00
10	T	Methyl Iodide	0.707	0.607	14.1	112	0.00
11	T	Tert butyl alcohol	0.182	0.145	20.3	104	-0.01
12	CM	1,1-Dichloroethene	0.557	0.556	0.2#	131	0.00
13	T	Acrolein	0.057	0.045	21.1	124	0.00
14	T	Allyl chloride	0.923	0.797	13.7	116	0.00
15	T	Acrylonitrile	0.425	0.383	9.9	119	-0.01
16	T	Acetone	0.355	0.307	13.5	120	0.00
17	T	Carbon Disulfide	1.539	1.421	7.7	126	0.00
18	T	Methyl Acetate	1.035	0.895	13.5	114	0.00
19	T	Methyl tert-butyl Ether	2.015	1.978	1.8	129	0.00
20	T	Methylene Chloride	0.665	0.619	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	0.619	0.584	5.7	130	0.00
22	T	Diisopropyl ether	1.945	1.774	8.8	121	0.00
23	T	Vinyl Acetate	1.644	1.503	8.6	119	0.00
24	P	1,1-Dichloroethane	1.120	1.054	5.9	125	0.00
25	T	2-Butanone	0.577	0.476	17.5	109	0.00
26	T	2,2-Dichloropropane	0.871	0.928	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	0.740	0.720	2.7	130	0.00
28	T	Bromochloromethane	0.550	0.452	17.8	122	0.00
29	T	Tetrahydrofuran	0.376	0.312	17.0	110	0.00
30	C	Chloroform	1.118	1.055	5.6#	125	0.00
31	T	Cyclohexane	1.086	0.885	18.5	111	0.00
32	T	1,1,1-Trichloroethane	0.951	0.876	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	0.669	0.579	13.5	146	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	119	0.00
35	S	Dibromofluoromethane	0.296	0.295	0.3	160#	0.00
36	T	1,1-Dichloropropene	0.442	0.434	1.8	124	0.00
37	T	Ethyl Acetate	0.562	0.517	8.0	115	0.00
38	T	Carbon Tetrachloride	0.433	0.431	0.5	126	0.00
39	T	Methylcyclohexane	0.605	0.539	10.9	113	0.00
40	TM	Benzene	1.444	1.423	1.5	126	0.00
41	T	Methacrylonitrile	0.316	0.282	10.8	111	0.00
42	TM	1,2-Dichloroethane	0.438	0.420	4.1	122	0.00
43	T	Isopropyl Acetate	0.902	0.828	8.2	116	0.00
44	TM	Trichloroethene	0.342	0.352	-2.9	129	0.00
45	C	1,2-Dichloropropane	0.351	0.346	1.4#	125	0.00
46	T	Dibromomethane	0.233	0.243	-4.3	131	0.00
47	T	Bromodichloromethane	0.480	0.479	0.2	125	0.00
48	T	Methyl methacrylate	0.415	0.376	9.4	114	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.008	0.007	12.5	105	0.00
50	S	Toluene-d8	1.173	1.125	4.1	156#	0.00
51	T	4-Methyl-2-Pentanone	0.543	0.507	6.6	113	0.00
52	CM	Toluene	0.882	0.878	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	0.537	0.560	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	0.574	0.596	-3.8	129	0.00
55	T	1,1,2-Trichloroethane	0.340	0.341	-0.3	126	0.00
56	T	Ethyl methacrylate	0.541	0.588	-8.7	126	0.00
57	T	1,3-Dichloropropane	0.589	0.587	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	0.323	0.298	7.7	130	0.00
59	T	2-Hexanone	0.350	0.342	2.3	111	0.00
60	T	Dibromochloromethane	0.354	0.375	-5.9	132	0.00
61	T	1,2-Dibromoethane	0.348	0.355	-2.0	129	0.00
62	S	4-Bromofluorobenzene	0.436	0.405	7.1	149	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	114	0.00
64	T	Tetrachloroethene	0.316	0.318	-0.6	124	0.00
65	PM	Chlorobenzene	1.103	1.140	-3.4	128	0.00
66	T	1,1,1,2-Tetrachloroethane	0.354	0.373	-5.4	127	0.00
67	C	Ethyl Benzene	1.899	1.881	0.9#	120	0.00
68	T	m/p-Xylenes	0.727	0.742	-2.1	121	0.00
69	T	o-Xylene	0.696	0.721	-3.6	122	0.00
70	T	Styrene	1.192	1.249	-4.8	123	0.00
71	P	Bromoform	0.263	0.300	-14.1	130	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	107	0.00
73	T	Isopropylbenzene	3.643	3.723	-2.2	116	0.00
74	T	N-amyl acetate	1.273	1.408	-10.6	119	0.00
75	P	1,1,2,2-Tetrachloroethane	1.234	1.314	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	1.189	1.112	6.5	101	0.00
77	T	Bromobenzene	0.835	0.942	-12.8	127	0.00
78	T	n-propylbenzene	4.427	4.412	0.3	112	0.00
79	T	2-Chlorotoluene	2.655	2.667	-0.5	113	0.00
80	T	1,3,5-Trimethylbenzene	3.007	3.051	-1.5	112	0.00
81	T	trans-1,4-Dichloro-2-butene	0.516	0.594	-15.1	133	0.00
82	T	4-Chlorotoluene	2.686	2.737	-1.9	115	0.00
83	T	tert-Butylbenzene	2.753	2.799	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	3.016	3.098	-2.7	113	0.00
85	T	sec-Butylbenzene	3.998	3.875	3.1	108	0.00
86	T	p-Isopropyltoluene	3.305	3.295	0.3	110	0.00
87	T	1,3-Dichlorobenzene	1.644	1.715	-4.3	118	0.00
88	T	1,4-Dichlorobenzene	1.676	1.755	-4.7	119	0.00
89	T	n-Butylbenzene	3.201	2.945	8.0	103	0.00
90	T	Hexachloroethane	0.560	0.553	1.3	110	0.00
91	T	1,2-Dichlorobenzene	1.579	1.648	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.295	0.277	6.1	108	0.00
93	T	1,2,4-Trichlorobenzene	1.008	0.984	2.4	108	0.00
94	T	Hexachlorobutadiene	0.376	0.320	14.9	94	0.00
95	T	Naphthalene	3.753	3.742	0.3	111	0.00

Sample Results: **VN086888.D**

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Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.002	0.938	6.4	105	0.00

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

Sample Results: **VN086888.D**

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Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
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Quant Title : SW846 8260
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	126	0.00
2	T	Dichlorodifluoromethane	50.000	50.418	-0.8	126	0.00
3	P	Chloromethane	50.000	42.283	15.4	115	0.00
4	C	Vinyl Chloride	50.000	47.784	4.4#	125	0.00
5	T	Bromomethane	50.000	43.902	12.2	115	0.00
6	T	Chloroethane	50.000	48.168	3.7	128	0.00
7	T	Trichlorofluoromethane	50.000	48.355	3.3	127	0.00
8	T	Diethyl Ether	50.000	51.036	-2.1	134	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.861	4.3	127	0.00
10	T	Methyl Iodide	50.000	42.943	14.1	112	0.00
11	T	Tert butyl alcohol	250.000	199.609	20.2	104	-0.01
12	CM	1,1-Dichloroethene	50.000	49.926	0.1#	131	0.00
13	T	Acrolein	250.000	194.571	22.2	124	0.00
14	T	Allyl chloride	50.000	43.154	13.7	116	0.00
15	T	Acrylonitrile	250.000	225.403	9.8	119	-0.01
16	T	Acetone	250.000	215.878	13.6	120	0.00
17	T	Carbon Disulfide	50.000	46.155	7.7	126	0.00
18	T	Methyl Acetate	50.000	43.249	13.5	114	0.00
19	T	Methyl tert-butyl Ether	50.000	49.089	1.8	129	0.00
20	T	Methylene Chloride	50.000	46.563	6.9	129	0.00
21	T	trans-1,2-Dichloroethene	50.000	47.175	5.7	130	0.00
22	T	Diisopropyl ether	50.000	45.597	8.8	121	0.00
23	T	Vinyl Acetate	250.000	228.547	8.6	119	0.00
24	P	1,1-Dichloroethane	50.000	47.076	5.8	125	0.00
25	T	2-Butanone	250.000	206.354	17.5	109	0.00
26	T	2,2-Dichloropropane	50.000	53.268	-6.5	129	0.00
27	T	cis-1,2-Dichloroethene	50.000	48.643	2.7	130	0.00
28	T	Bromochloromethane	50.000	41.024	18.0	122	0.00
29	T	Tetrahydrofuran	250.000	207.479	17.0	110	0.00
30	C	Chloroform	50.000	47.175	5.7#	125	0.00
31	T	Cyclohexane	50.000	40.735	18.5	111	0.00
32	T	1,1,1-Trichloroethane	50.000	46.033	7.9	123	0.00
33	S	1,2-Dichloroethane-d4	50.000	43.251	13.5	146	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	119	0.00
35	S	Dibromofluoromethane	50.000	49.703	0.6	160	0.00
36	T	1,1-Dichloropropene	50.000	49.186	1.6	124	0.00
37	T	Ethyl Acetate	50.000	45.959	8.1	115	0.00
38	T	Carbon Tetrachloride	50.000	49.670	0.7	126	0.00
39	T	Methylcyclohexane	50.000	44.591	10.8	113	0.00
40	TM	Benzene	50.000	49.272	1.5	126	0.00
41	T	Methacrylonitrile	50.000	44.731	10.5	111	0.00
42	TM	1,2-Dichloroethane	50.000	48.002	4.0	122	0.00
43	T	Isopropyl Acetate	50.000	45.868	8.3	116	0.00
44	TM	Trichloroethene	50.000	51.458	-2.9	129	0.00
45	C	1,2-Dichloropropane	50.000	49.319	1.4#	125	0.00
46	T	Dibromomethane	50.000	52.086	-4.2	131	0.00
47	T	Bromodichloromethane	50.000	49.933	0.1	125	0.00
48	T	Methyl methacrylate	50.000	45.323	9.4	114	0.00

Sample Results: **VN086888.D**

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Quant Title : SW846 8260
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Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	906.076	9.4	105	0.00
50	S	Toluene-d8	50.000	47.952	4.1	156	0.00
51	T	4-Methyl-2-Pentanone	250.000	233.442	6.6	113	0.00
52	CM	Toluene	50.000	49.745	0.5#	125	0.00
53	T	t-1,3-Dichloropropene	50.000	52.141	-4.3	128	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.859	-3.7	129	0.00
55	T	1,1,2-Trichloroethane	50.000	50.186	-0.4	126	0.00
56	T	Ethyl methacrylate	50.000	54.375	-8.8	126	0.00
57	T	1,3-Dichloropropane	50.000	49.844	0.3	125	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	230.994	7.6	130	0.00
59	T	2-Hexanone	250.000	244.401	2.2	111	0.00
60	T	Dibromochloromethane	50.000	52.993	-6.0	132	0.00
61	T	1,2-Dibromoethane	50.000	51.016	-2.0	129	0.00
62	S	4-Bromofluorobenzene	50.000	46.522	7.0	149	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	114	0.00
64	T	Tetrachloroethene	50.000	50.252	-0.5	124	0.00
65	PM	Chlorobenzene	50.000	51.673	-3.3	128	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	52.679	-5.4	127	0.00
67	C	Ethyl Benzene	50.000	49.523	1.0#	120	0.00
68	T	m/p-Xylenes	100.000	102.006	-2.0	121	0.00
69	T	o-Xylene	50.000	51.757	-3.5	122	0.00
70	T	Styrene	50.000	52.406	-4.8	123	0.00
71	P	Bromoform	50.000	57.115	-14.2	130	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	107	0.00
73	T	Isopropylbenzene	50.000	51.104	-2.2	116	0.00
74	T	N-amyl acetate	50.000	55.326	-10.7	119	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	53.240	-6.5	119	0.00
76	T	1,2,3-Trichloropropane	50.000	46.776	6.4	101	0.00
77	T	Bromobenzene	50.000	56.377	-12.8	127	0.00
78	T	n-propylbenzene	50.000	49.835	0.3	112	0.00
79	T	2-Chlorotoluene	50.000	50.223	-0.4	113	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.722	-1.4	112	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	57.553	-15.1	133	0.00
82	T	4-Chlorotoluene	50.000	50.946	-1.9	115	0.00
83	T	tert-Butylbenzene	50.000	50.830	-1.7	114	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.368	-2.7	113	0.00
85	T	sec-Butylbenzene	50.000	48.470	3.1	108	0.00
86	T	p-Isopropyltoluene	50.000	49.859	0.3	110	0.00
87	T	1,3-Dichlorobenzene	50.000	52.181	-4.4	118	0.00
88	T	1,4-Dichlorobenzene	50.000	52.364	-4.7	119	0.00
89	T	n-Butylbenzene	50.000	46.003	8.0	103	0.00
90	T	Hexachloroethane	50.000	49.322	1.4	110	0.00
91	T	1,2-Dichlorobenzene	50.000	52.195	-4.4	117	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.847	6.3	108	0.00
93	T	1,2,4-Trichlorobenzene	50.000	48.814	2.4	108	0.00
94	T	Hexachlorobutadiene	50.000	42.652	14.7	94	0.00
95	T	Naphthalene	50.000	49.854	0.3	111	0.00

Sample Results: **VN086888.D**

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Data File : VN086888.D
Acq On : 09 Jun 2025 08:37
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Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jun 10 03:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
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Min. RRF : 0.000 Min. Rel. Area : 50% Max. R.T. Dev 0.50min
Max. RRF Dev : 25% Max. Rel. Area : 150%

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	46.816	6.4	105	0.00

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: ENTA05

Lab Code: CHEM Case No.: Q2236 SAS No.: Q2236 SDG No.: Q2236

Instrument ID: MSVOA_X Calibration Date/Time: 06/07/2025 00:34

Lab File ID: VX046546.D Init. Calib. Date(s): 06/06/2025 06/06/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:42 12:57

GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.630	0.611		-3.02	20
1,1-Dichloroethene	0.594	0.589		-0.84	20
2-Butanone	0.495	0.584		17.98	20
Carbon Tetrachloride	0.588	0.564		-4.08	20
Chloroform	1.342	1.497		11.55	20
Benzene	1.479	1.500		1.42	20
1,2-Dichloroethane	0.615	0.672		9.27	20
Trichloroethene	0.376	0.349		-7.18	20
Tetrachloroethene	0.334	0.303		-9.28	20
Chlorobenzene	1.176	1.165	0.3	-0.94	20
1,2-Dichloroethane-d4	0.890	0.964		8.31	20
Dibromofluoromethane	0.368	0.381		3.53	20
Toluene-d8	1.212	1.194		-1.49	20
4-Bromofluorobenzene	0.502	0.498		-0.8	20

All other compounds must meet a minimum RRF of 0.010.
RRF of 1,4-Dioxane = Value should be divide by 1000.

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.562	168	74224	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	135585	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	121168	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	59451	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	71583	54.208	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 108.420%			
35) Dibromofluoromethane	5.391	113	51708	51.859	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.720%			
50) Toluene-d8	8.647	98	161944	49.264	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.520%			
62) 4-Bromofluorobenzene	11.079	95	67504	49.632	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.260%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.179	85	47708	46.298	ug/l	98
3) Chloromethane	1.307	50	45497	48.507	ug/l	100
4) Vinyl Chloride	1.386	62	45348	48.501	ug/l	99
5) Bromomethane	1.618	94	29078	51.228	ug/l	95
6) Chloroethane	1.697	64	28793	47.463	ug/l	98
7) Trichlorofluoromethane	1.904	101	73399	47.446	ug/l	99
8) Diethyl Ether	2.148	74	30291	55.418	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.343	101	45873	47.066	ug/l	95
10) Methyl Iodide	2.465	142	59739	56.542	ug/l	99
11) Tert butyl alcohol	2.959	59	42625	290.899	ug/l	99
12) 1,1-Dichloroethene	2.331	96	43718	49.611	ug/l	90
13) Acrolein	2.246	56	35062	204.106	ug/l	100
14) Allyl chloride	2.678	41	88997	51.423	ug/l	94
15) Acrylonitrile	3.075	53	166269	300.115	ug/l	99
16) Acetone	2.386	43	142470	274.290	ug/l	95
17) Carbon Disulfide	2.526	76	88295	47.200	ug/l	99
18) Methyl Acetate	2.715	43	102003	64.849	ug/l	99
19) Methyl tert-butyl Ether	3.123	73	191602	62.138	ug/l	97
20) Methylene Chloride	2.800	84	57197	53.990	ug/l	94
21) trans-1,2-Dichloroethene	3.105	96	45455	48.742	ug/l	98
22) Diisopropyl ether	3.770	45	204340	59.887	ug/l #	81
23) Vinyl Acetate	3.727	43	800854	304.008	ug/l	100
24) 1,1-Dichloroethane	3.623	63	104165	54.776	ug/l	98
25) 2-Butanone	4.562	43	216571	294.611	ug/l	98
26) 2,2-Dichloropropane	4.489	77	46689	33.072	ug/l	96
27) cis-1,2-Dichloroethene	4.495	96	61519	53.587	ug/l	92
28) Bromochloromethane	4.904	49	50021	55.149	ug/l	99
29) Tetrahydrofuran	5.013	42	136791	294.653	ug/l	98
30) Chloroform	5.099	83	111134	55.775	ug/l	97
31) Cyclohexane	5.477	56	75359	49.088	ug/l	95
32) 1,1,1-Trichloroethane	5.385	97	89142	52.301	ug/l	99
36) 1,1-Dichloropropene	5.702	75	64100	45.006	ug/l	99
37) Ethyl Acetate	4.721	43	85298	61.362	ug/l	100
38) Carbon Tetrachloride	5.684	117	76434	47.913	ug/l	99
39) Methylcyclohexane	7.385	83	73385	43.653	ug/l	97
40) Benzene	6.044	78	203384	50.725	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.928	41	49366	57.188	ug/l		95
42) 1,2-Dichloroethane	6.092	62	91106	54.618	ug/l		99
43) Isopropyl Acetate	6.342	43	140388	57.931	ug/l		100
44) Trichloroethene	7.123	130	47365	46.492	ug/l		99
45) 1,2-Dichloropropane	7.434	63	56265	54.366	ug/l		96
46) Dibromomethane	7.586	93	42582	54.692	ug/l		98
47) Bromodichloromethane	7.824	83	87772	54.828	ug/l		99
48) Methyl methacrylate	7.696	41	73278	58.770	ug/l		97
49) 1,4-Dioxane	7.665	88	18917	1134.531	ug/l		97
51) 4-Methyl-2-Pentanone	8.574	43	448207	291.051	ug/l		100
52) Toluene	8.720	92	124809	50.667	ug/l		100
53) t-1,3-Dichloropropene	8.976	75	76347	53.190	ug/l		99
54) cis-1,3-Dichloropropene	8.366	75	81805	51.260	ug/l		92
55) 1,1,2-Trichloroethane	9.153	97	55712	56.338	ug/l		98
56) Ethyl methacrylate	9.116	69	90464	59.447	ug/l		96
57) 1,3-Dichloropropane	9.305	76	94466	54.056	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.245	63	227836	274.869	ug/l		99
59) 2-Hexanone	9.427	43	319637	289.412	ug/l		99
60) Dibromochloromethane	9.519	129	64238	55.226	ug/l		99
61) 1,2-Dibromoethane	9.610	107	55823	54.172	ug/l		98
64) Tetrachloroethene	9.275	164	36682	45.273	ug/l		98
65) Chlorobenzene	10.080	112	141209	49.552	ug/l		100
66) 1,1,1,2-Tetrachloroethane	10.159	131	51052	53.015	ug/l		99
67) Ethyl Benzene	10.195	91	243925	49.031	ug/l		98
68) m/p-Xylenes	10.299	106	179113	99.251	ug/l		99
69) o-Xylene	10.640	106	89019	50.998	ug/l		100
70) Styrene	10.653	104	157755	52.796	ug/l		99
71) Bromoform	10.799	173	40393	55.012	ug/l	#	97
73) Isopropylbenzene	10.964	105	236137	50.528	ug/l		100
74) N-amyl acetate	10.842	43	120552	58.575	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	84305	56.358	ug/l		100
76) 1,2,3-Trichloropropane	11.238	75	70626m	56.086	ug/l		
77) Bromobenzene	11.195	156	57128	52.665	ug/l		98
78) n-propylbenzene	11.305	91	279714	49.449	ug/l		100
79) 2-Chlorotoluene	11.360	91	171724	50.343	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	197184	50.633	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	21268	48.720	ug/l		97
82) 4-Chlorotoluene	11.451	91	200117	49.495	ug/l		98
83) tert-Butylbenzene	11.713	119	203346	51.293	ug/l		97
84) 1,2,4-Trimethylbenzene	11.750	105	200924	51.000	ug/l		100
85) sec-Butylbenzene	11.890	105	251573	49.386	ug/l		99
86) p-Isopropyltoluene	12.006	119	208358	49.065	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	104120	49.430	ug/l		100
88) 1,4-Dichlorobenzene	12.037	146	106425	48.759	ug/l		100
89) n-Butylbenzene	12.329	91	198154	47.515	ug/l		100
90) Hexachloroethane	12.536	117	36643	48.548	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	105678	51.974	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	19121	57.081	ug/l		97
93) 1,2,4-Trichlorobenzene	13.585	180	69669	50.229	ug/l		99
94) Hexachlorobutadiene	13.725	225	28591	44.356	ug/l		96
95) Naphthalene	13.774	128	244906	55.679	ug/l		100
96) 1,2,3-Trichlorobenzene	13.957	180	69397	49.897	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

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

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

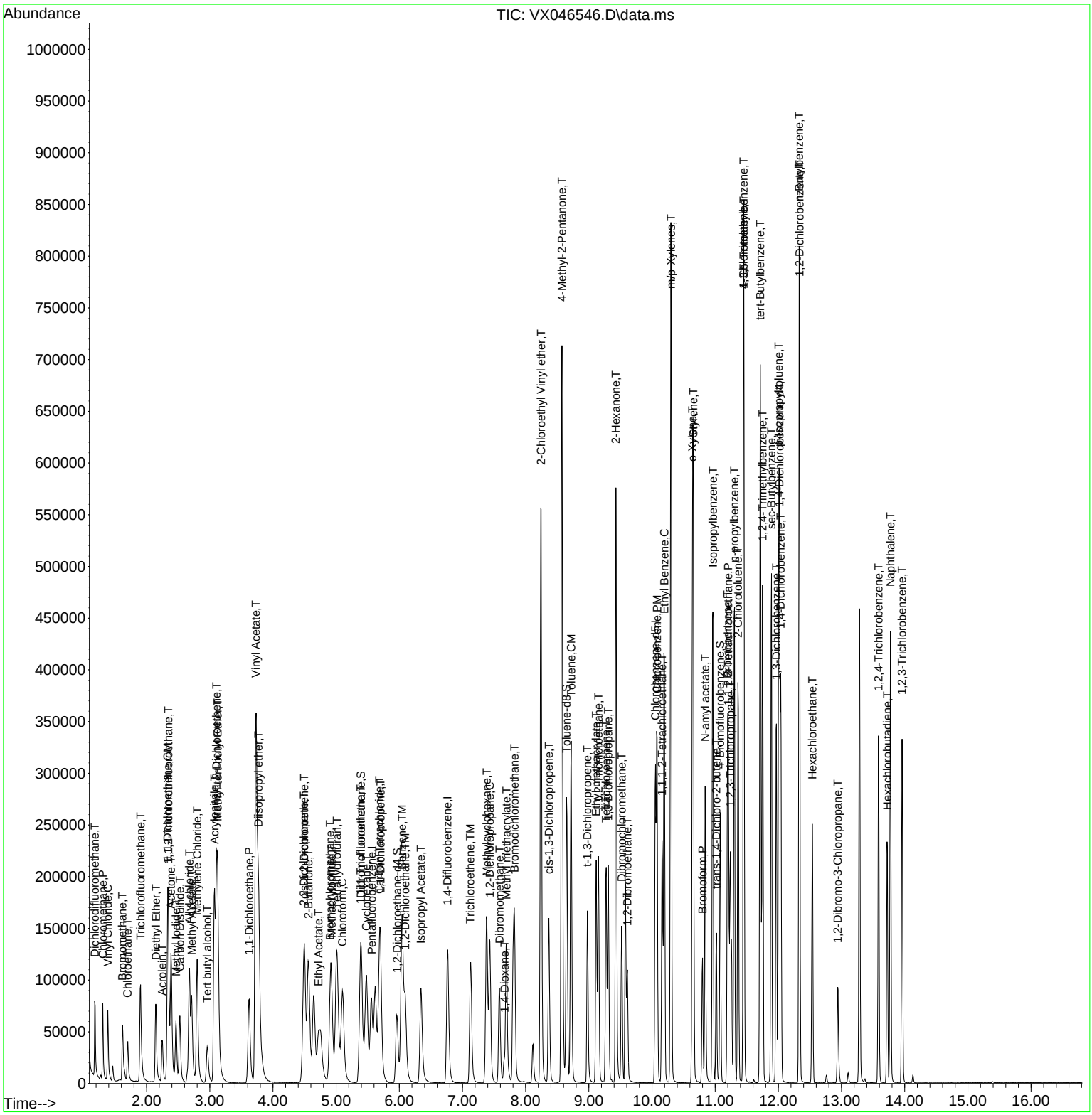
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	1.000	1.000	0.0	82	0.00
2	T	Dichlorodifluoromethane	0.694	0.643	7.3	82	0.00
3	P	Chloromethane	0.632	0.613	3.0	88	0.00
4	C	Vinyl Chloride	0.630	0.611	3.0#	84	0.00
5	T	Bromomethane	0.382	0.392	-2.6	81	0.00
6	T	Chloroethane	0.409	0.388	5.1	86	0.00
7	T	Trichlorofluoromethane	1.042	0.989	5.1	80	0.00
8	T	Diethyl Ether	0.368	0.408	-10.9	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.657	0.618	5.9	80	0.00
10	T	Methyl Iodide	0.712	0.805	-13.1	93	0.00
11	T	Tert butyl alcohol	0.099	0.115	-16.2	97	-0.01
12	CM	1,1-Dichloroethene	0.594	0.589	0.8#	86	0.00
13	T	Acrolein	0.103	0.094	8.7	69	0.00
14	T	Allyl chloride	1.166	1.199	-2.8	87	0.00
15	T	Acrylonitrile	0.373	0.448	-20.1	97	0.00
16	T	Acetone	0.381	0.384	-0.8	93	0.00
17	T	Carbon Disulfide	1.481	1.190	19.6	80	0.00
18	T	Methyl Acetate	1.060	1.374	-29.6#	100	0.00
19	T	Methyl tert-butyl Ether	2.077	2.581	-24.3	101	-0.01
20	T	Methylene Chloride	0.714	0.771	-8.0	96	0.00
21	T	trans-1,2-Dichloroethene	0.628	0.612	2.5	87	0.00
22	T	Diisopropyl ether	2.298	2.753	-19.8	97	-0.01
23	T	Vinyl Acetate	1.775	2.158	-21.6	97	-0.01
24	P	1,1-Dichloroethane	1.281	1.403	-9.5	92	0.00
25	T	2-Butanone	0.495	0.584	-18.0	96	-0.01
26	T	2,2-Dichloropropane	0.951	0.629	33.9#	54	0.00
27	T	cis-1,2-Dichloroethene	0.773	0.829	-7.2	92	-0.01
28	T	Bromochloromethane	0.611	0.674	-10.3	94	-0.01
29	T	Tetrahydrofuran	0.313	0.369	-17.9	96	0.00
30	C	Chloroform	1.342	1.497	-11.5#	94	-0.01
31	T	Cyclohexane	1.034	1.015	1.8	84	-0.01
32	T	1,1,1-Trichloroethane	1.148	1.201	-4.6	87	-0.01
33	S	1,2-Dichloroethane-d4	0.890	0.964	-8.3	91	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	87	-0.01
35	S	Dibromofluoromethane	0.368	0.381	-3.5	90	-0.01
36	T	1,1-Dichloropropene	0.525	0.473	9.9	85	-0.01
37	T	Ethyl Acetate	0.513	0.629	-22.6	99	-0.01
38	T	Carbon Tetrachloride	0.588	0.564	4.1	87	-0.01
39	T	Methylcyclohexane	0.620	0.541	12.7	82	0.00
40	TM	Benzene	1.479	1.500	-1.4	91	-0.01
41	T	Methacrylonitrile	0.318	0.364	-14.5	98	0.00
42	TM	1,2-Dichloroethane	0.615	0.672	-9.3	96	0.00
43	T	Isopropyl Acetate	0.894	1.035	-15.8	97	-0.01
44	TM	Trichloroethene	0.376	0.349	7.2	86	-0.01
45	C	1,2-Dichloropropane	0.382	0.415	-8.6#	95	0.00
46	T	Dibromomethane	0.287	0.314	-9.4	98	0.00
47	T	Bromodichloromethane	0.590	0.647	-9.7	93	0.00
48	T	Methyl methacrylate	0.460	0.540	-17.4	98	0.00

Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	0.006	0.007	-16.7	96	0.00
50	S	Toluene-d8	1.212	1.194	1.5	87	0.00
51	T	4-Methyl-2-Pentanone	0.568	0.661	-16.4	97	0.00
52	CM	Toluene	0.908	0.921	-1.4#	90	0.00
53	T	t-1,3-Dichloropropene	0.529	0.563	-6.4	90	0.00
54	T	cis-1,3-Dichloropropene	0.589	0.603	-2.4	89	0.00
55	T	1,1,2-Trichloroethane	0.365	0.411	-12.6	97	0.00
56	T	Ethyl methacrylate	0.561	0.667	-18.9	99	0.00
57	T	1,3-Dichloropropane	0.644	0.697	-8.2	95	0.00
58	T	2-Chloroethyl Vinyl ether	0.306	0.336	-9.8	92	0.00
59	T	2-Hexanone	0.407	0.471	-15.7	96	0.00
60	T	Dibromochloromethane	0.429	0.474	-10.5	95	0.00
61	T	1,2-Dibromoethane	0.380	0.412	-8.4	97	0.00
62	S	4-Bromofluorobenzene	0.502	0.498	0.8	88	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	89	0.00
64	T	Tetrachloroethene	0.334	0.303	9.3	87	0.00
65	PM	Chlorobenzene	1.176	1.165	0.9	92	0.00
66	T	1,1,1,2-Tetrachloroethane	0.397	0.421	-6.0	93	0.00
67	C	Ethyl Benzene	2.053	2.013	1.9#	88	0.00
68	T	m/p-Xylenes	0.745	0.739	0.8	89	0.00
69	T	o-Xylene	0.720	0.735	-2.1	91	0.00
70	T	Styrene	1.233	1.302	-5.6	92	0.00
71	P	Bromoform	0.303	0.333	-9.9	95	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	86	0.00
73	T	Isopropylbenzene	3.930	3.972	-1.1	88	0.00
74	T	N-amyl acetate	1.731	2.028	-17.2	97	0.00
75	P	1,1,2,2-Tetrachloroethane	1.258	1.418	-12.7	97	0.00
76	T	1,2,3-Trichloropropane	1.059	1.188	-12.2	98	0.00
77	T	Bromobenzene	0.912	0.961	-5.4	94	0.00
78	T	n-propylbenzene	4.757	4.705	1.1	87	0.00
79	T	2-Chlorotoluene	2.869	2.888	-0.7	90	0.00
80	T	1,3,5-Trimethylbenzene	3.275	3.317	-1.3	88	0.00
81	T	trans-1,4-Dichloro-2-butene	0.367	0.358	2.5	84	0.00
82	T	4-Chlorotoluene	3.400	3.366	1.0	88	0.00
83	T	tert-Butylbenzene	3.334	3.420	-2.6	90	0.00
84	T	1,2,4-Trimethylbenzene	3.313	3.380	-2.0	90	0.00
85	T	sec-Butylbenzene	4.284	4.232	1.2	88	0.00
86	T	p-Isopropyltoluene	3.572	3.505	1.9	87	0.00
87	T	1,3-Dichlorobenzene	1.772	1.751	1.2	90	0.00
88	T	1,4-Dichlorobenzene	1.836	1.790	2.5	92	0.00
89	T	n-Butylbenzene	3.507	3.333	5.0	86	0.00
90	T	Hexachloroethane	0.635	0.616	3.0	87	0.00
91	T	1,2-Dichlorobenzene	1.710	1.778	-4.0	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.282	0.322	-14.2	98	0.00
93	T	1,2,4-Trichlorobenzene	1.167	1.172	-0.4	94	0.00
94	T	Hexachlorobutadiene	0.542	0.481	11.3	83	0.00
95	T	Naphthalene	3.699	4.119	-11.4	95	0.00

Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

	Compound	AvgRF	CCRF	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	1.170	1.167	0.3	92	0.00

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

Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
1	I	Pentafluorobenzene	50.000	50.000	0.0	82	0.00
2	T	Dichlorodifluoromethane	50.000	46.298	7.4	82	0.00
3	P	Chloromethane	50.000	48.507	3.0	88	0.00
4	C	Vinyl Chloride	50.000	48.501	3.0#	84	0.00
5	T	Bromomethane	50.000	51.228	-2.5	81	0.00
6	T	Chloroethane	50.000	47.463	5.1	86	0.00
7	T	Trichlorofluoromethane	50.000	47.446	5.1	80	0.00
8	T	Diethyl Ether	50.000	55.418	-10.8	94	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.066	5.9	80	0.00
10	T	Methyl Iodide	50.000	56.542	-13.1	93	0.00
11	T	Tert butyl alcohol	250.000	290.899	-16.4	97	-0.01
12	CM	1,1-Dichloroethene	50.000	49.611	0.8#	86	0.00
13	T	Acrolein	250.000	204.106	18.4	69	0.00
14	T	Allyl chloride	50.000	51.423	-2.8	87	0.00
15	T	Acrylonitrile	250.000	300.115	-20.0	97	0.00
16	T	Acetone	250.000	274.290	-9.7	93	0.00
17	T	Carbon Disulfide	50.000	47.200	5.6	80	0.00
18	T	Methyl Acetate	50.000	64.849	-29.7#	100	0.00
19	T	Methyl tert-butyl Ether	50.000	62.138	-24.3	101	-0.01
20	T	Methylene Chloride	50.000	53.990	-8.0	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.742	2.5	87	0.00
22	T	Diisopropyl ether	50.000	59.887	-19.8	97	-0.01
23	T	Vinyl Acetate	250.000	304.008	-21.6	97	-0.01
24	P	1,1-Dichloroethane	50.000	54.776	-9.6	92	0.00
25	T	2-Butanone	250.000	294.611	-17.8	96	-0.01
26	T	2,2-Dichloropropane	50.000	33.072	33.9#	54	0.00
27	T	cis-1,2-Dichloroethene	50.000	53.587	-7.2	92	-0.01
28	T	Bromochloromethane	50.000	55.149	-10.3	94	-0.01
29	T	Tetrahydrofuran	250.000	294.653	-17.9	96	0.00
30	C	Chloroform	50.000	55.775	-11.5#	94	-0.01
31	T	Cyclohexane	50.000	49.088	1.8	84	-0.01
32	T	1,1,1-Trichloroethane	50.000	52.301	-4.6	87	-0.01
33	S	1,2-Dichloroethane-d4	50.000	54.208	-8.4	91	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	87	-0.01
35	S	Dibromofluoromethane	50.000	51.859	-3.7	90	-0.01
36	T	1,1-Dichloropropene	50.000	45.006	10.0	85	-0.01
37	T	Ethyl Acetate	50.000	61.362	-22.7	99	-0.01
38	T	Carbon Tetrachloride	50.000	47.913	4.2	87	-0.01
39	T	Methylcyclohexane	50.000	43.653	12.7	82	0.00
40	TM	Benzene	50.000	50.725	-1.5	91	-0.01
41	T	Methacrylonitrile	50.000	57.188	-14.4	98	0.00
42	TM	1,2-Dichloroethane	50.000	54.618	-9.2	96	0.00
43	T	Isopropyl Acetate	50.000	57.931	-15.9	97	-0.01
44	TM	Trichloroethene	50.000	46.492	7.0	86	-0.01
45	C	1,2-Dichloropropane	50.000	54.366	-8.7#	95	0.00
46	T	Dibromomethane	50.000	54.692	-9.4	98	0.00
47	T	Bromodichloromethane	50.000	54.828	-9.7	93	0.00
48	T	Methyl methacrylate	50.000	58.770	-17.5	98	0.00

Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

		Compound	Amount	Calc.	%Dev	Area%	Dev(min)
49	T	1,4-Dioxane	1000.000	1134.531	-13.5	96	0.00
50	S	Toluene-d8	50.000	49.264	1.5	87	0.00
51	T	4-Methyl-2-Pentanone	250.000	291.051	-16.4	97	0.00
52	CM	Toluene	50.000	50.667	-1.3#	90	0.00
53	T	t-1,3-Dichloropropene	50.000	53.190	-6.4	90	0.00
54	T	cis-1,3-Dichloropropene	50.000	51.260	-2.5	89	0.00
55	T	1,1,2-Trichloroethane	50.000	56.338	-12.7	97	0.00
56	T	Ethyl methacrylate	50.000	59.447	-18.9	99	0.00
57	T	1,3-Dichloropropane	50.000	54.056	-8.1	95	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	274.869	-9.9	92	0.00
59	T	2-Hexanone	250.000	289.412	-15.8	96	0.00
60	T	Dibromochloromethane	50.000	55.226	-10.5	95	0.00
61	T	1,2-Dibromoethane	50.000	54.172	-8.3	97	0.00
62	S	4-Bromofluorobenzene	50.000	49.632	0.7	88	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	89	0.00
64	T	Tetrachloroethene	50.000	45.273	9.5	87	0.00
65	PM	Chlorobenzene	50.000	49.552	0.9	92	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	53.015	-6.0	93	0.00
67	C	Ethyl Benzene	50.000	49.031	1.9#	88	0.00
68	T	m/p-Xylenes	100.000	99.251	0.7	89	0.00
69	T	o-Xylene	50.000	50.998	-2.0	91	0.00
70	T	Styrene	50.000	52.796	-5.6	92	0.00
71	P	Bromoform	50.000	55.012	-10.0	95	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	86	0.00
73	T	Isopropylbenzene	50.000	50.528	-1.1	88	0.00
74	T	N-amyl acetate	50.000	58.575	-17.2	97	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	56.358	-12.7	97	0.00
76	T	1,2,3-Trichloropropane	50.000	56.086	-12.2	98	0.00
77	T	Bromobenzene	50.000	52.665	-5.3	94	0.00
78	T	n-propylbenzene	50.000	49.449	1.1	87	0.00
79	T	2-Chlorotoluene	50.000	50.343	-0.7	90	0.00
80	T	1,3,5-Trimethylbenzene	50.000	50.633	-1.3	88	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	48.720	2.6	84	0.00
82	T	4-Chlorotoluene	50.000	49.495	1.0	88	0.00
83	T	tert-Butylbenzene	50.000	51.293	-2.6	90	0.00
84	T	1,2,4-Trimethylbenzene	50.000	51.000	-2.0	90	0.00
85	T	sec-Butylbenzene	50.000	49.386	1.2	88	0.00
86	T	p-Isopropyltoluene	50.000	49.065	1.9	87	0.00
87	T	1,3-Dichlorobenzene	50.000	49.430	1.1	90	0.00
88	T	1,4-Dichlorobenzene	50.000	48.759	2.5	92	0.00
89	T	n-Butylbenzene	50.000	47.515	5.0	86	0.00
90	T	Hexachloroethane	50.000	48.548	2.9	87	0.00
91	T	1,2-Dichlorobenzene	50.000	51.974	-3.9	94	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	57.081	-14.2	98	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.229	-0.5	94	0.00
94	T	Hexachlorobutadiene	50.000	44.356	11.3	83	0.00
95	T	Naphthalene	50.000	55.679	-11.4	95	0.00

Sample Results: **VX046546.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046546.D
Acq On : 07 Jun 2025 00:34
Operator : JC/MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 36 Sample Multiplier: 1

Instrument :
MSVOA_X
LabSampleId :
VSTDCCC050

Quant Time: Jun 07 04:25:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

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

	Compound	Amount	Calc.	%Dev	Area%	Dev(min)
96 T	1,2,3-Trichlorobenzene	50.000	49.897	0.2	92	0.00

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

QC SAMPLE DATA

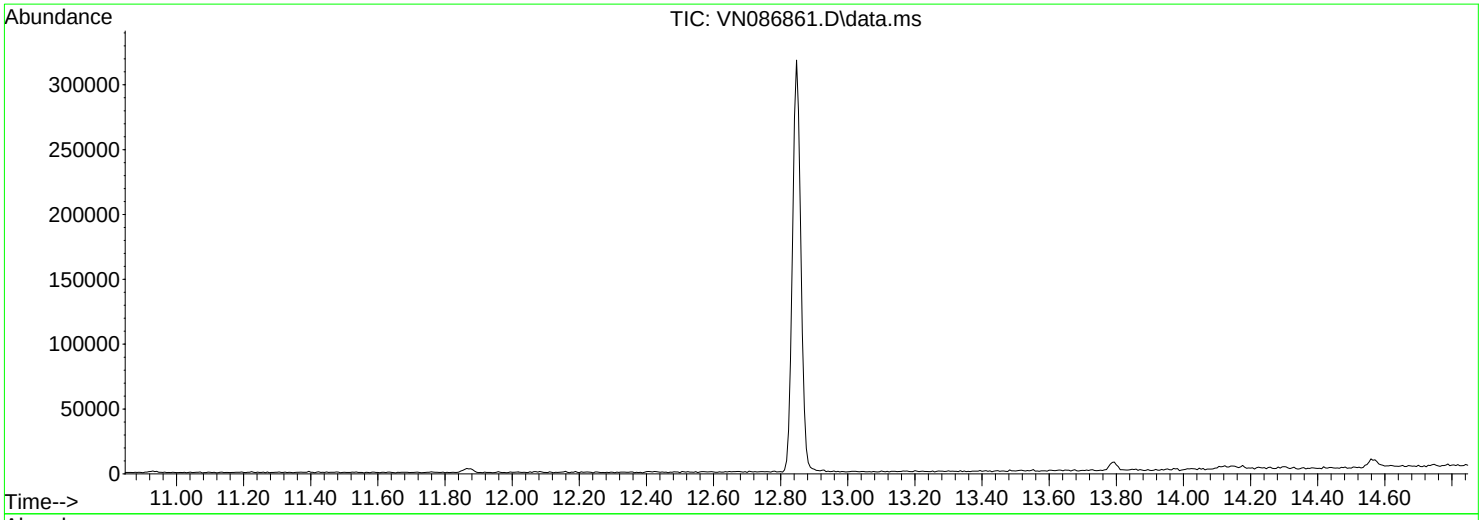
Sample Results: **VN086861.D**

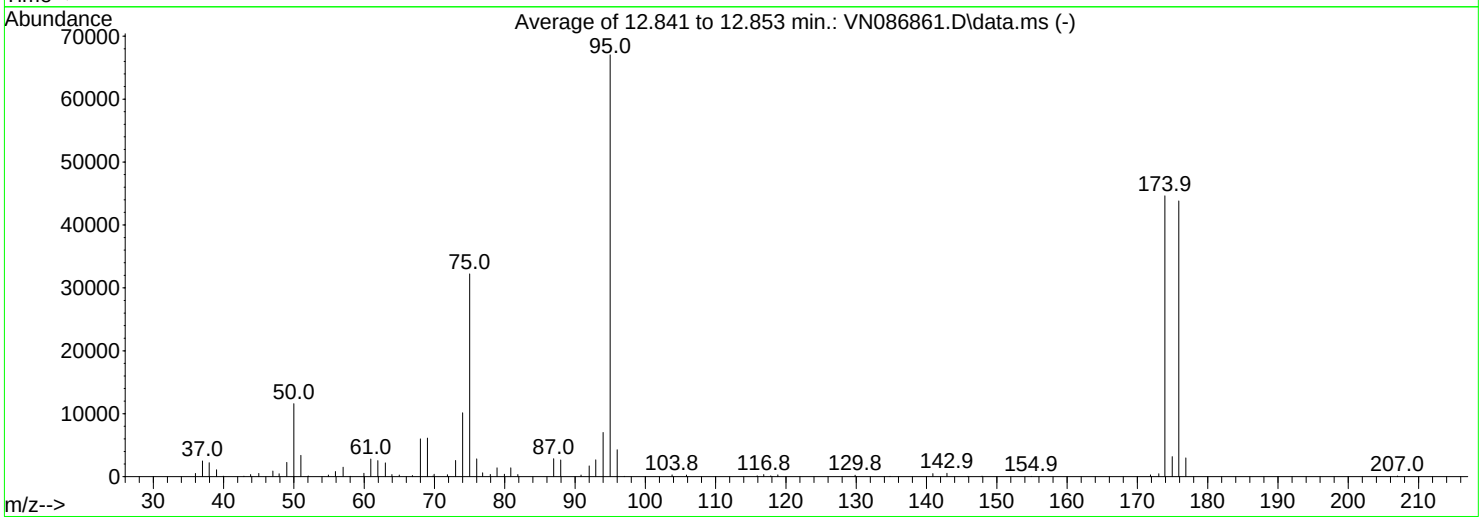
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060625\
Data File : VN086861.D
Acq On : 06 Jun 2025 07:59
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1843

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	17.3	11610	PASS
75	95	30	60	48.1	32235	PASS
95	95	100	100	100.0	67037	PASS
96	95	5	9	6.4	4284	PASS
173	174	0.00	2	1.0	453	PASS
174	95	50	100	66.6	44632	PASS
175	174	5	9	7.1	3184	PASS
176	174	95	101	98.1	43805	PASS
177	176	5	9	6.8	2979	PASS

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
36.00	508	50.00	11610	63.95	331	76.00	281
37.00	2495	51.00	3387	65.00	260	76.85	60
37.95	2209	52.05	112	66.85	177	77.95	34
39.00	1096	54.90	253	68.00	6008	78.90	141
39.95	84	55.90	806	69.00	6141	79.95	395
42.90	88	57.00	1501	69.80	100	80.85	1397
43.85	329	58.00	50	69.95	383	81.85	328
45.00	512	59.95	526	71.85	297	86.95	2851
47.00	882	60.95	2806	73.00	2562	87.95	2646
47.90	460	61.95	2535	74.00	10138	90.85	264
49.00	2276	63.00	2195	75.00	32235	92.00	1704

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086861.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	2660	129.85	228	175.90	43805		
94.00	7029	134.80	66	176.90	2979		
95.00	67037	140.90	488	207.00	111		
96.00	4284	142.90	542				
97.00	57	145.90	54				
103.80	279	147.90	82				
105.85	267	154.90	64				
115.90	128	171.85	288				
116.85	345	173.05	453				
117.85	116	173.90	44632				
118.85	274	174.95	3184				

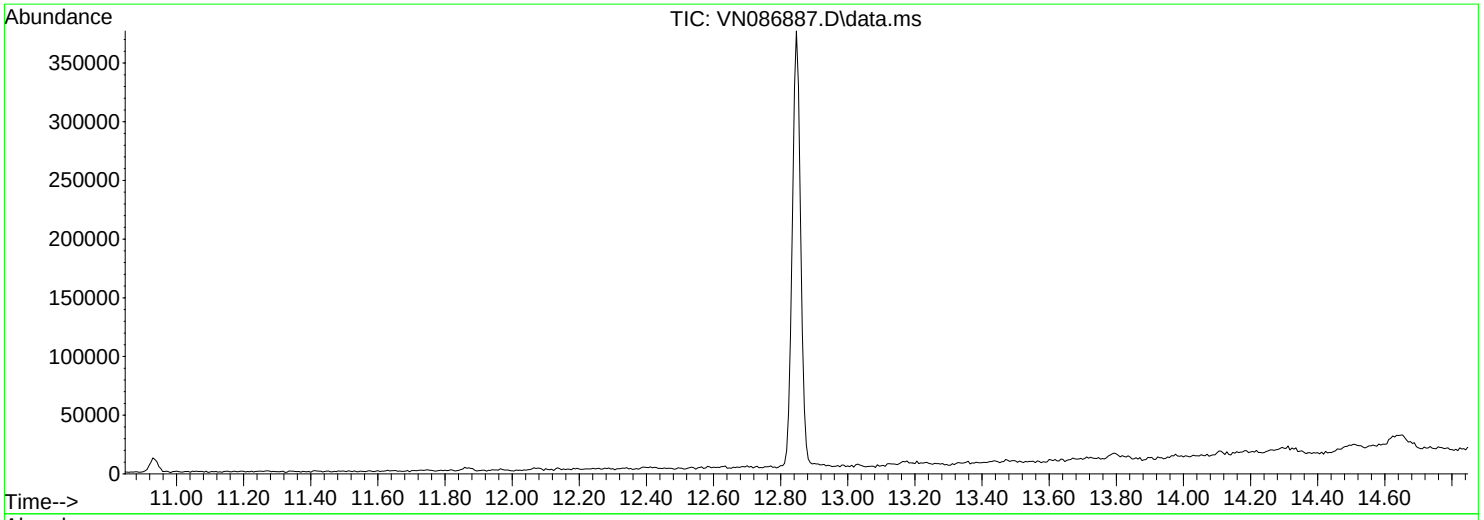
Sample Results: **VN086887.D**

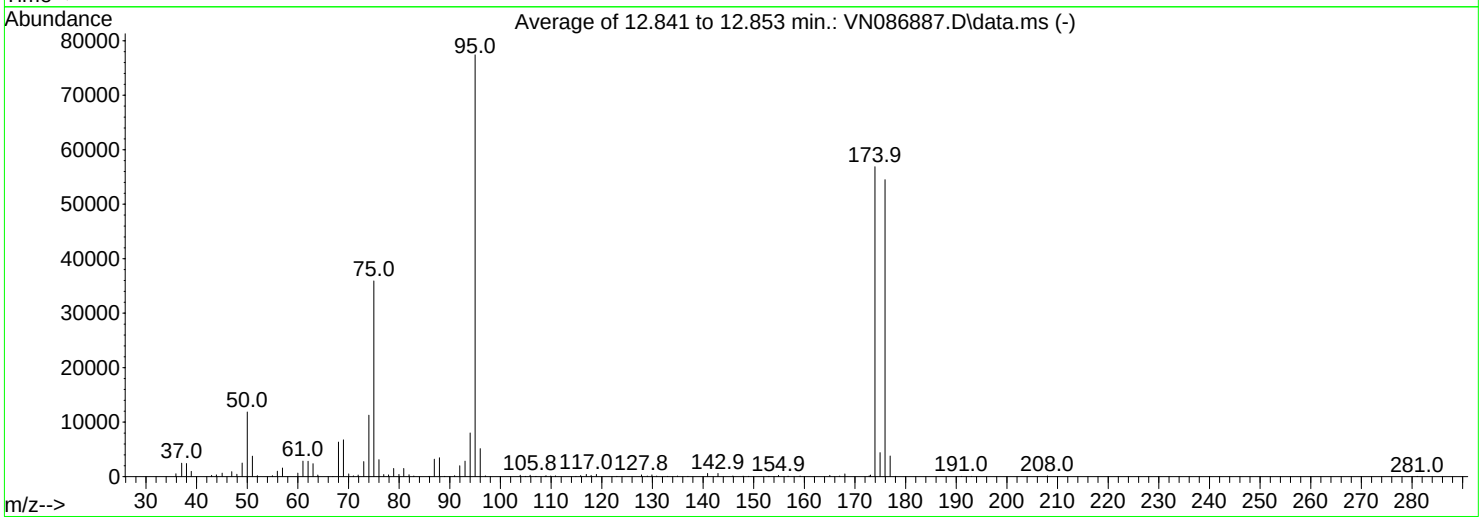
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086887.D
Acq On : 09 Jun 2025 08:04
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Title : SW846 8260
Last Update : Sat Jun 07 02:12:50 2025





AutoFind: Scans 1851, 1852, 1853; Background Corrected with Scan 1840

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	15.3	11871	PASS
75	95	30	60	46.4	35931	PASS
95	95	100	100	100.0	77415	PASS
96	95	5	9	6.6	5148	PASS
173	174	0.00	2	0.5	309	PASS
174	95	50	100	73.5	56888	PASS
175	174	5	9	7.8	4421	PASS
176	174	95	101	95.8	54509	PASS
177	176	5	9	6.9	3785	PASS

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	535	51.00	3760	68.00	6351	78.90	148
37.05	2466	52.00	191	69.00	6745	79.95	41
38.00	2416	54.95	172	70.05	506	80.90	149
38.95	974	55.95	1011	70.95	137	81.95	36
42.95	245	56.95	1580	71.90	302	82.90	114
43.90	314	60.00	650	73.00	2758	85.90	50
45.05	641	61.00	2856	74.00	11273	86.95	3209
46.95	922	62.00	2814	75.00	35931	87.95	3465
47.95	453	63.00	2376	76.00	3116	89.00	56
49.00	2498	63.95	306	76.95	390	90.95	172
50.00	11871	66.90	36	77.90	336	91.95	1998

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
93.00	2849	109.95	104	130.85	116	156.80	82
94.00	8007	110.85	138	133.00	54	159.15	111
95.00	77415	114.90	53	134.95	129	165.05	238
96.00	5148	115.85	200	137.00	64	167.00	127
97.00	150	116.95	418	140.90	576	168.00	497
103.90	272	117.90	243	142.95	587	172.80	158
104.90	66	118.95	408	145.90	124	173.05	309
105.85	261	123.00	58	147.90	102	173.95	56888
107.00	54	127.85	331	149.00	66	174.95	4421
108.80	60	129.00	116	153.00	58	175.95	54509
109.00	188	129.90	331	154.90	229	176.95	3785

Average of 12.841 to 12.853 min.: VN086887.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
178.00	62						
191.00	71						
193.00	59						
208.00	120						
281.00	51						

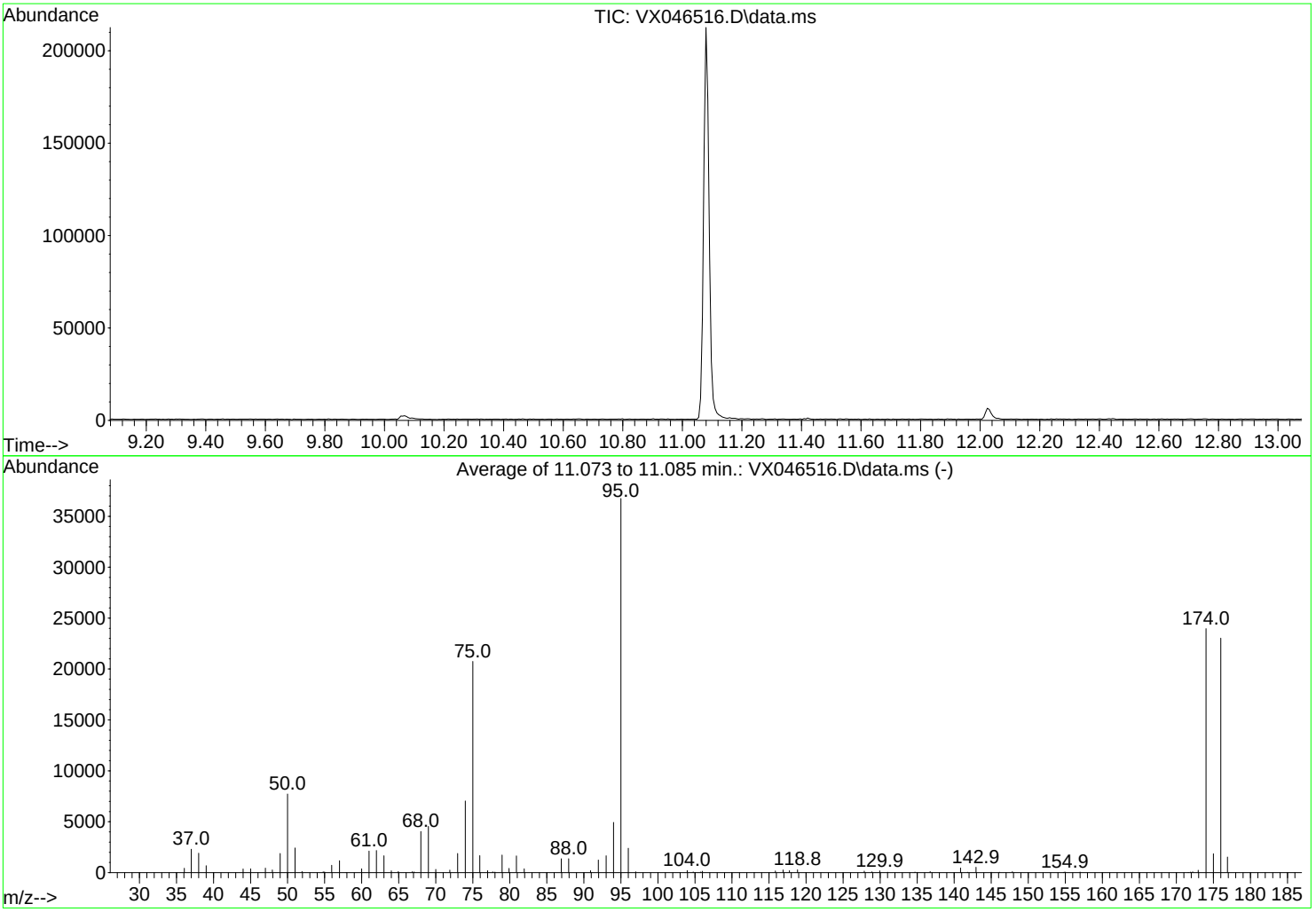
Sample Results: **VX046516.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046516.D
Acq On : 06 Jun 2025 08:47
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025



AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.0	7727	PASS
75	95	30	60	56.5	20747	PASS
95	95	100	100	100.0	36752	PASS
96	95	5	9	6.5	2397	PASS
173	174	0.00	2	1.0	238	PASS
174	95	50	100	65.2	23963	PASS
175	174	5	9	7.7	1850	PASS
176	174	95	101	96.1	23028	PASS
177	176	5	9	6.6	1530	PASS

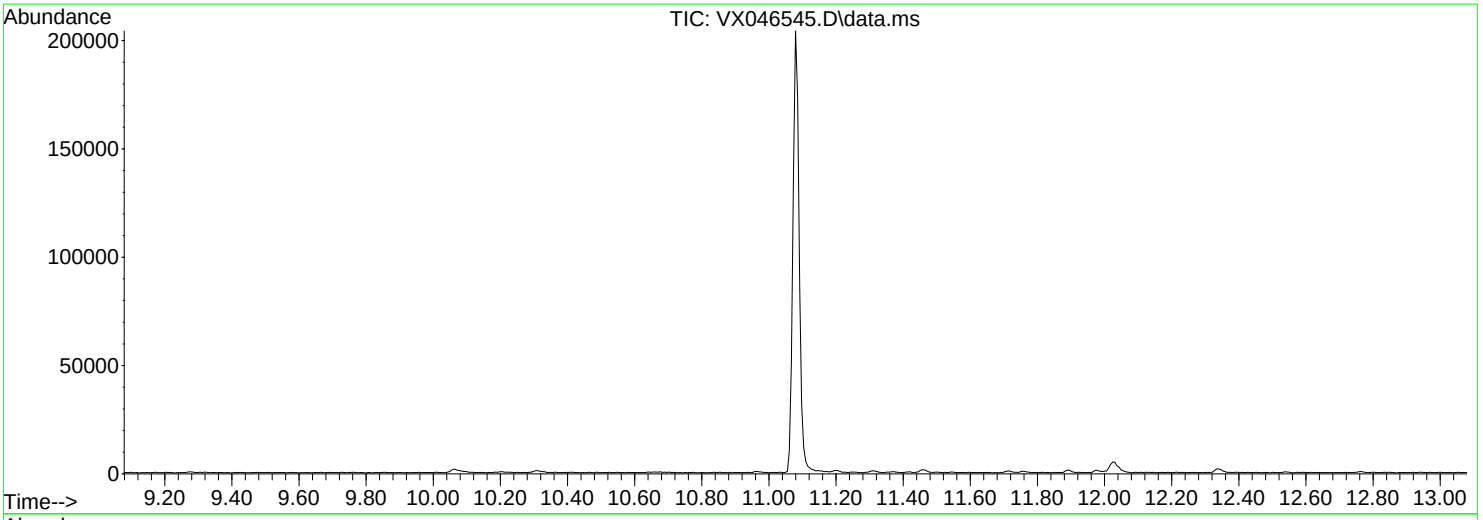
Sample Results: **VX046545.D**

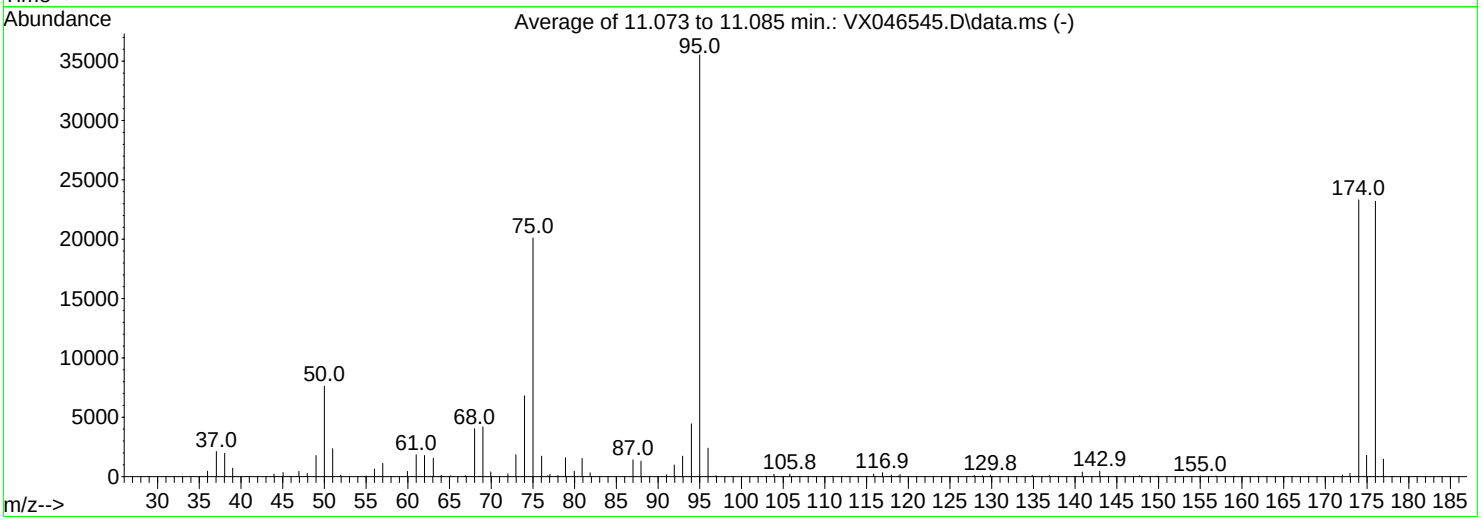
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046545.D
Acq On : 06 Jun 2025 23:59
Operator : JC/MD
Sample : BFB
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Title : SW846 8260
Last Update : Fri Jun 06 16:56:12 2025





AutoFind: Scans 1638, 1639, 1640; Background Corrected with Scan 1632

Target Mass	Rel. to Mass	Lower Limit%	Upper Limit%	Rel. Abn%	Raw Abn	Result Pass/Fail
50	95	15	40	21.4	7612	PASS
75	95	30	60	56.6	20109	PASS
95	95	100	100	100.0	35533	PASS
96	95	5	9	6.8	2406	PASS
173	174	0.00	2	1.2	272	PASS
174	95	50	100	65.6	23325	PASS
175	174	5	9	7.7	1792	PASS
176	174	95	101	99.5	23199	PASS
177	176	5	9	6.3	1468	PASS

Raw Data: **VN086890.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBL01	SDG No.:	Q2236
Lab Sample ID:	VN0609WBL01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086890.D	1		06/09/25 09:33	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0010	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0010	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	42.8		70 (74) - 130 (125)	86%	SPK: 50
1868-53-7	Dibromofluoromethane	48.1		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	390000	8.229			
540-36-3	1,4-Difluorobenzene	685000	9.106			
3114-55-4	Chlorobenzene-d5	592000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	288000	13.788			

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\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

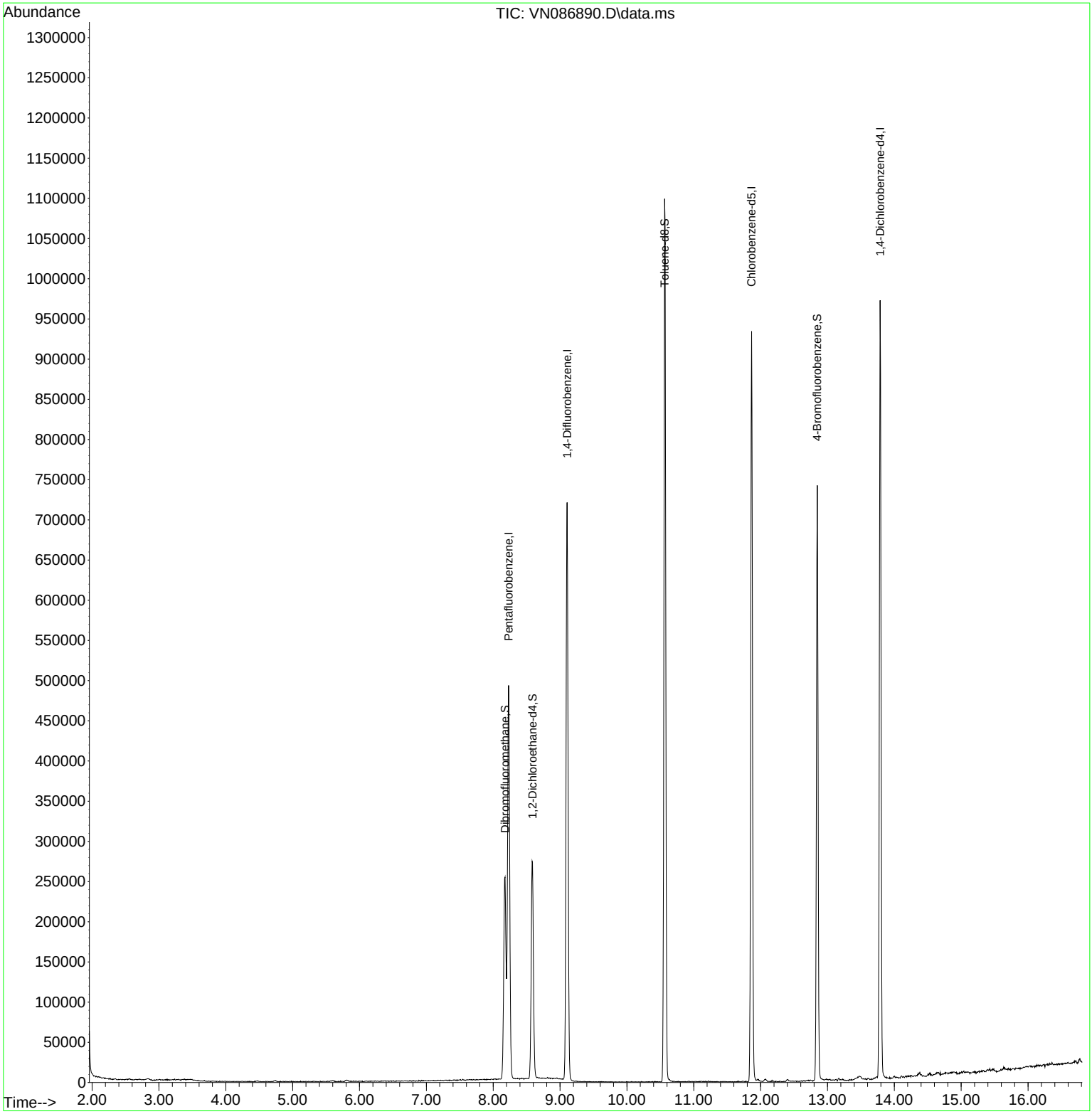
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	390256	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	684606	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	591728	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	288224	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	223703	42.813	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 85.620%			
35) Dibromofluoromethane	8.177	113	194994	48.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.120%			
50) Toluene-d8	10.565	98	814952	50.741	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.480%			
62) 4-Bromofluorobenzene	12.847	95	291875	48.913	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.820%			
Target Compounds						Qvalue

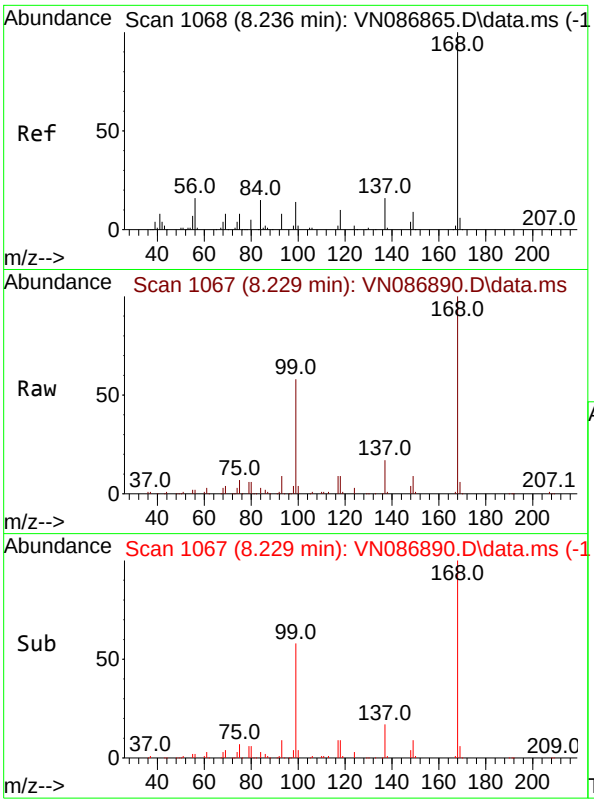
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086890.D
Acq On : 09 Jun 2025 09:33
Operator : JC\MD
Sample : VN0609WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Quant Time: Jun 10 03:28:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



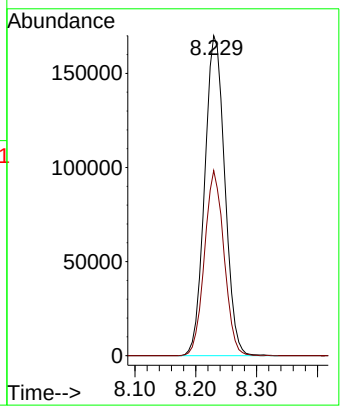


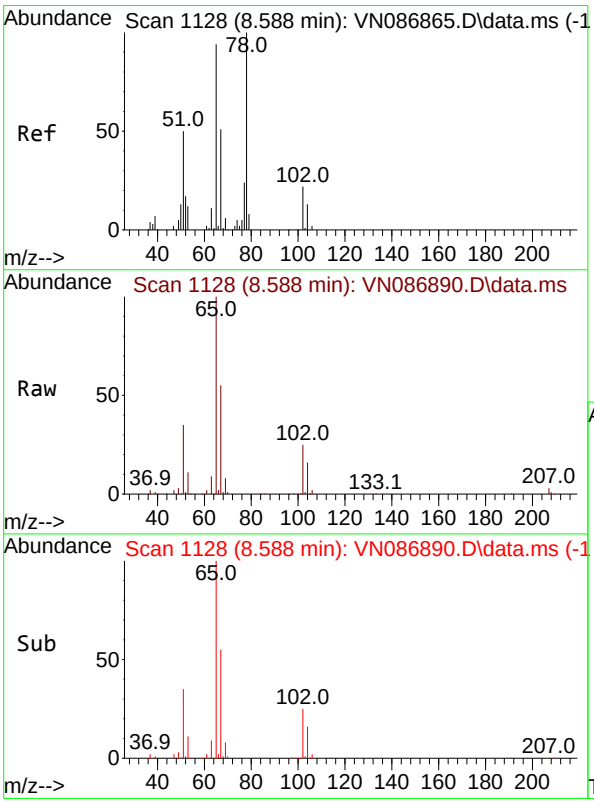
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:168 Resp: 390256

Ion	Ratio	Lower	Upper
168	100		
99	57.8	49.1	73.7

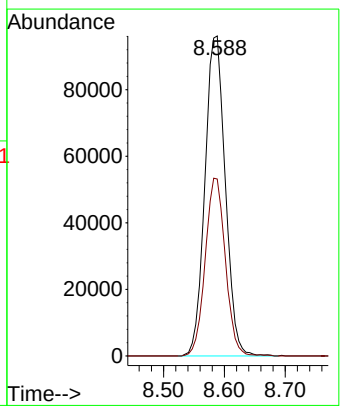


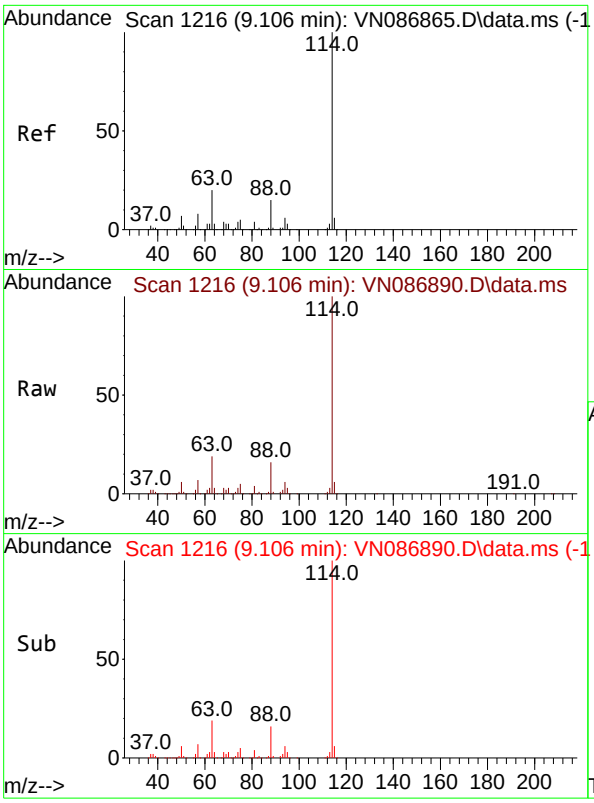


#33
1,2-Dichloroethane-d4
Concen: 42.813 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 65 Resp: 223703

Ion	Ratio	Lower	Upper
65	100		
67	54.9	0.0	105.6



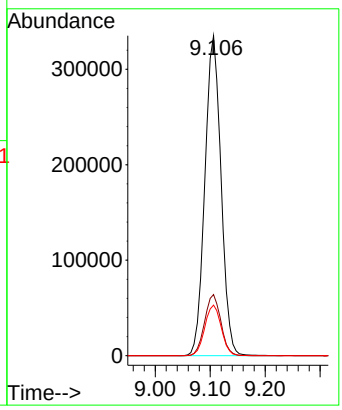


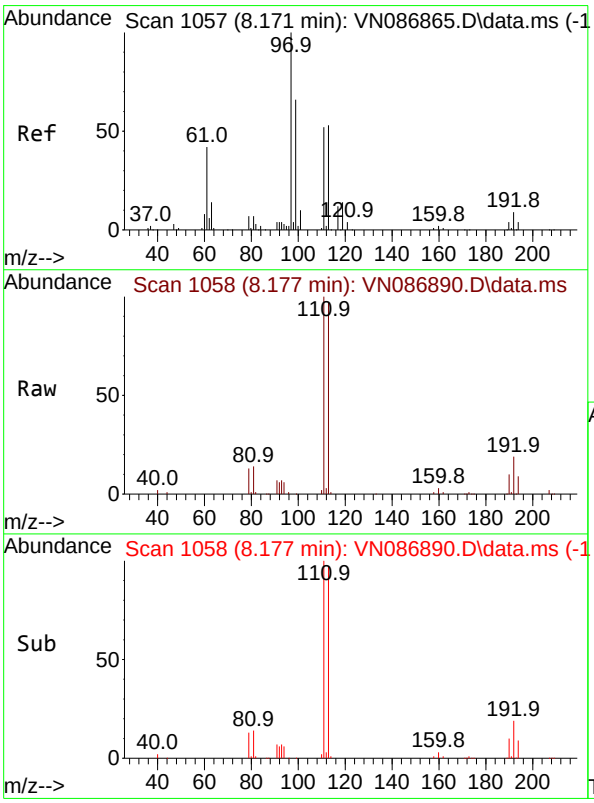
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:114 Resp: 684606

Ion	Ratio	Lower	Upper
114	100		
63	19.1	0.0	39.6
88	15.8	0.0	30.2

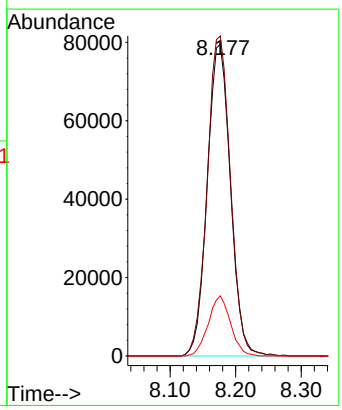


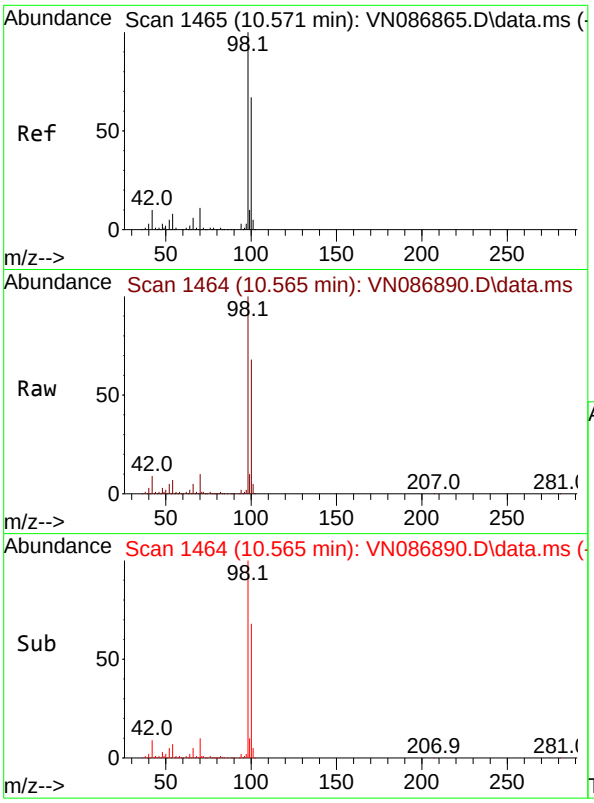


#35
Dibromofluoromethane
Concen: 48.062 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:113 Resp: 194994

Ion	Ratio	Lower	Upper
113	100		
111	103.2	84.2	126.2
192	18.5	14.2	21.4



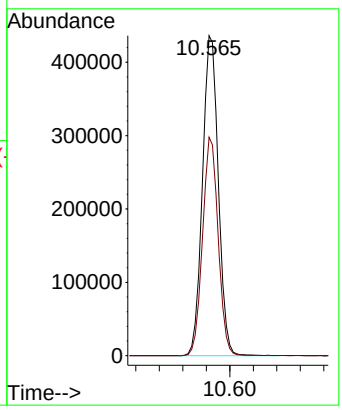


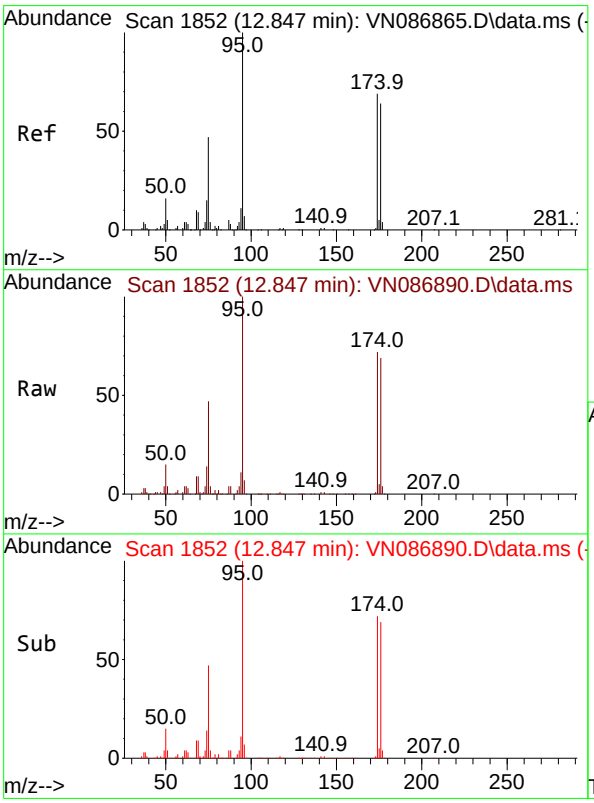
#50
Toluene-d8
Concen: 50.741 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion: 98 Resp: 814952

Ion	Ratio	Lower	Upper
98	100		
100	67.2	53.4	80.0

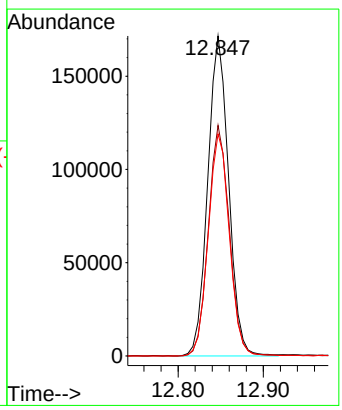


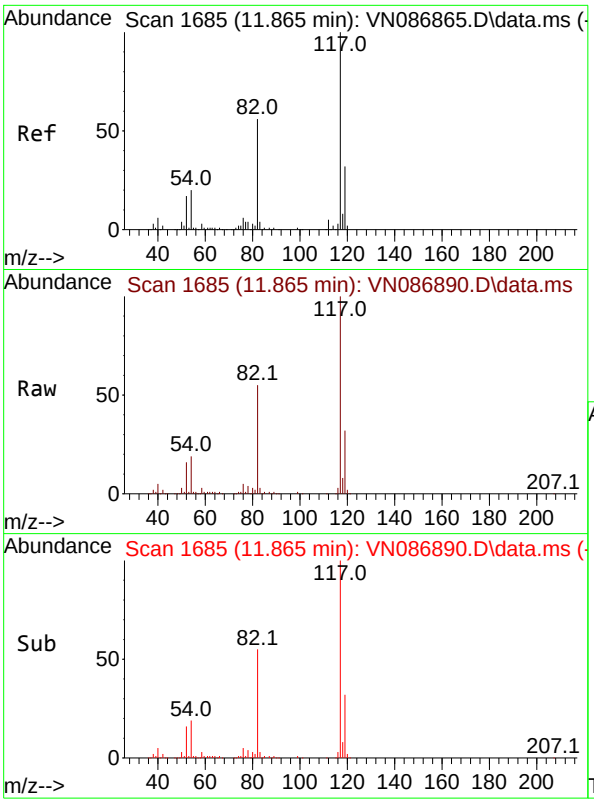


#62
4-Bromofluorobenzene
Concen: 48.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion: 95 Resp: 291875

Ion	Ratio	Lower	Upper
95	100		
174	72.5	0.0	141.8
176	70.2	0.0	132.6



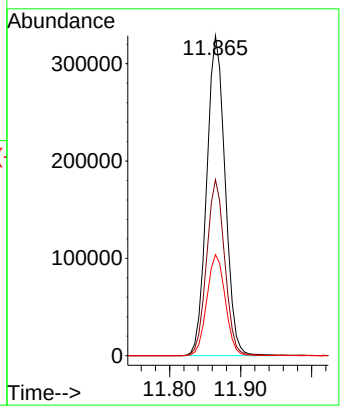


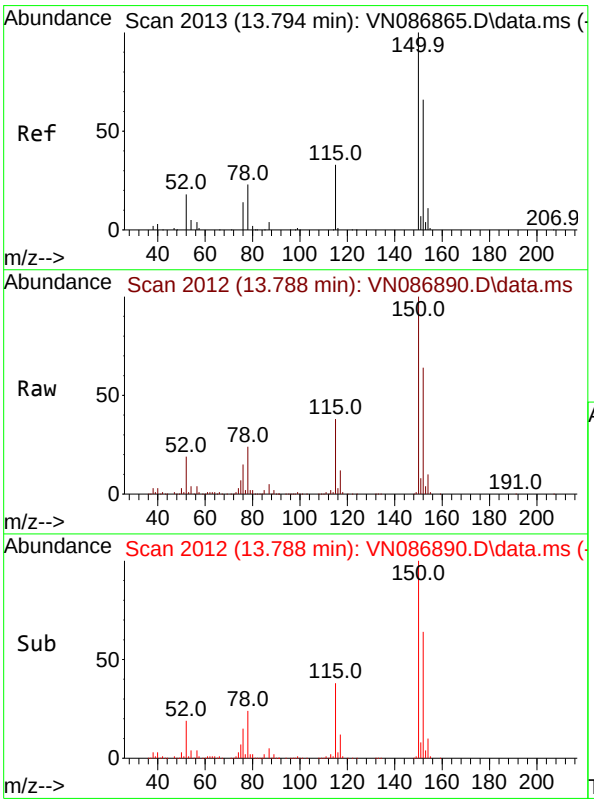
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBL01

Tgt Ion:117 Resp: 591728

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	31.6	25.5	38.3

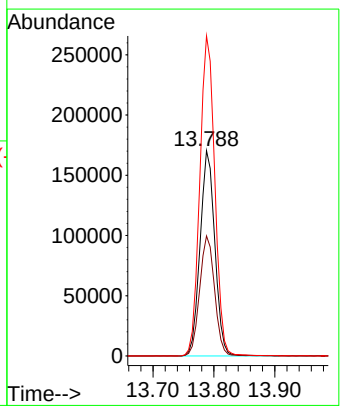




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086890.D
Acq: 09 Jun 2025 09:33

Tgt Ion:152 Resp: 288224

Ion	Ratio	Lower	Upper
152	100		
115	59.1	30.1	90.5
150	158.0	0.0	345.0



Raw Data: **VX046547.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0606WBL02	SDG No.:	Q2236
Lab Sample ID:	VX0606WBL02	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046547.D	1		06/07/25 01:17	VX060625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.00026	U	0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.00023	U	0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.00098	U	0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.00025	U	0.00025	0.0050	mg/L
67-66-3	Chloroform	0.00025	U	0.00025	0.0050	mg/L
71-43-2	Benzene	0.00015	U	0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.00022	U	0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.000090	U	0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.00023	U	0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.00012	U	0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.3		70 (74) - 130 (125)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	95400	5.556			
540-36-3	1,4-Difluorobenzene	186000	6.763			
3114-55-4	Chlorobenzene-d5	186000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	90300	12.018			

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

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

Sample Results: **VX046547.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046547.D
Acq On : 07 Jun 2025 01:17
Operator : JC/MD
Sample : VX0606WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Quant Time: Jun 07 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

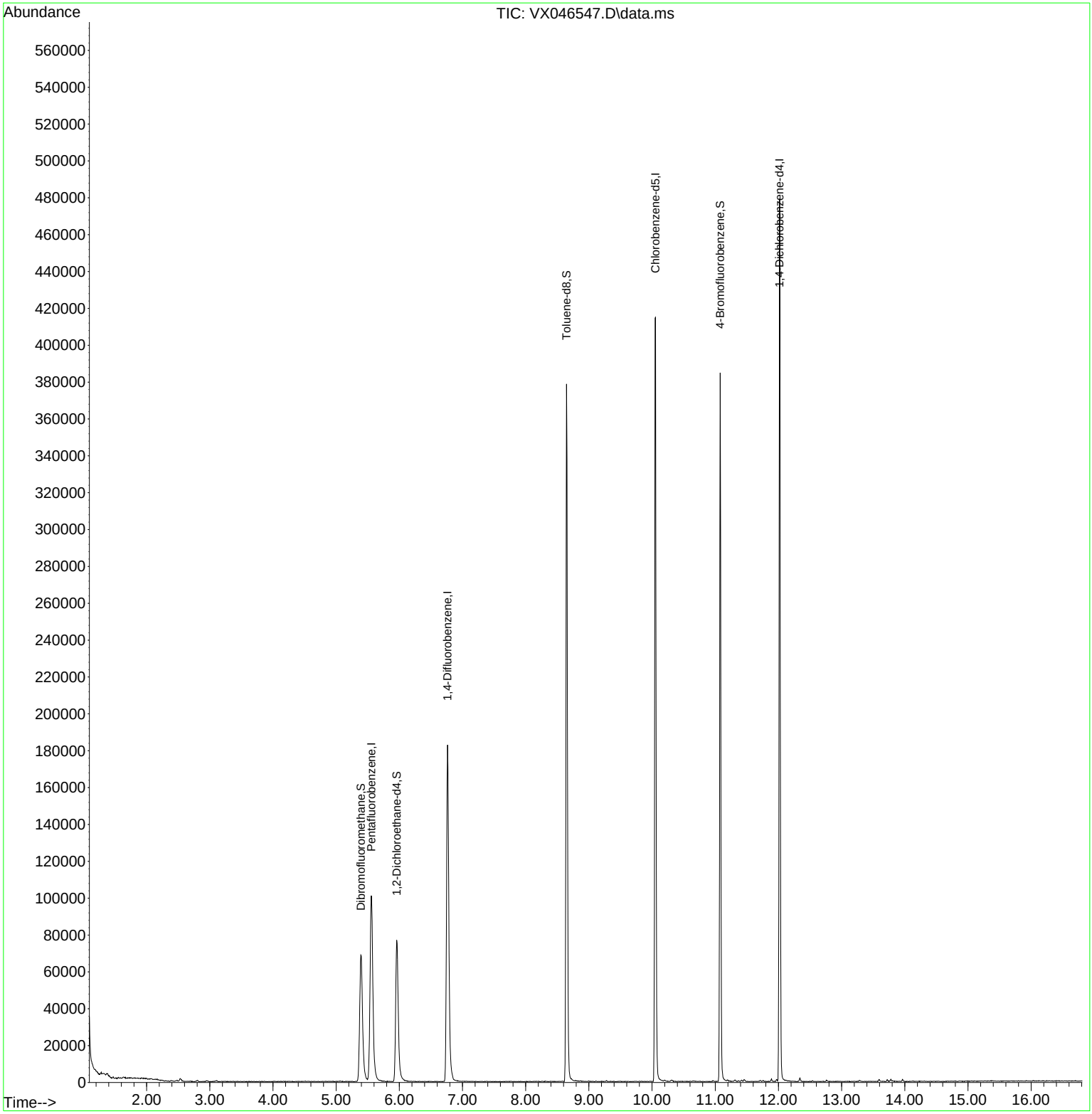
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	95381	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	186443	50.000	ug/l	-0.01
63) Chlorobenzene-d5	10.055	117	185656	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	90343	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	83647	49.293	ug/l	-0.01
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.580%			
35) Dibromofluoromethane	5.391	113	66943	48.824	ug/l	-0.01
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	8.647	98	220375	48.752	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.500%			
62) 4-Bromofluorobenzene	11.079	95	101330	54.180	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.360%			
Target Compounds						Qvalue

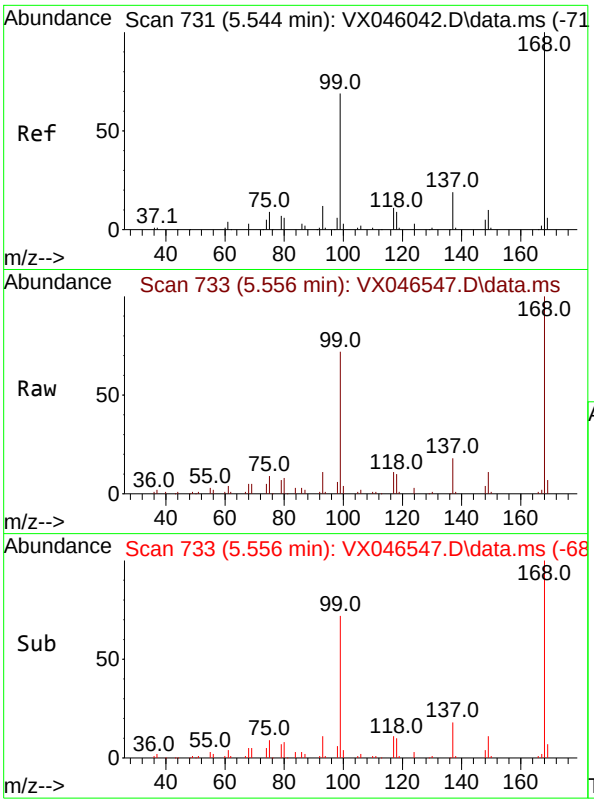
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046547.D
Acq On : 07 Jun 2025 01:17
Operator : JC/MD
Sample : VX0606WBL02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 35 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Quant Time: Jun 07 04:26:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration



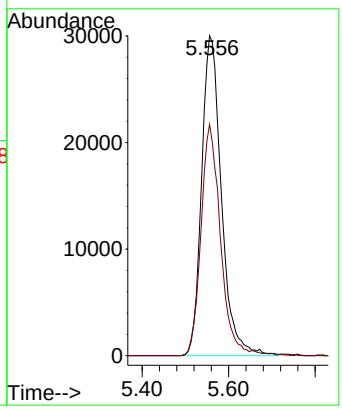


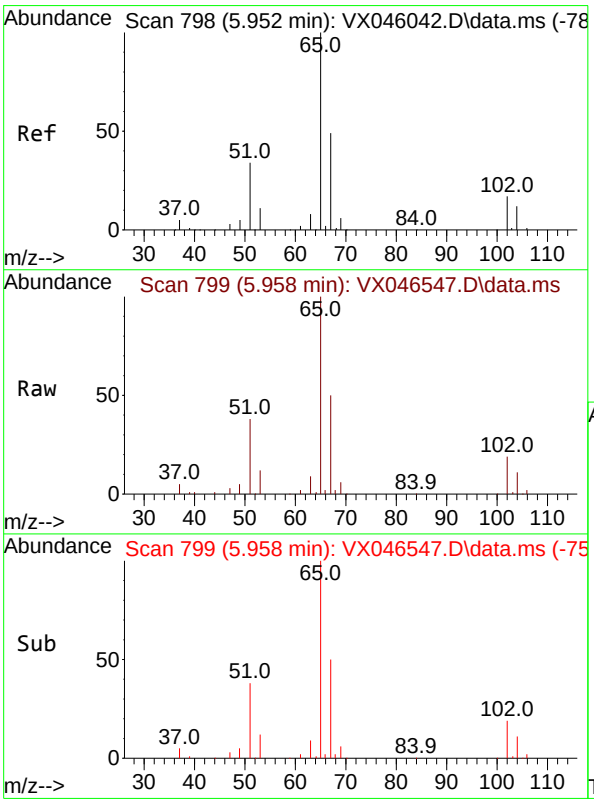
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Tgt Ion:168 Resp: 95381

Ion	Ratio	Lower	Upper
168	100		
99	72.2	54.9	82.3

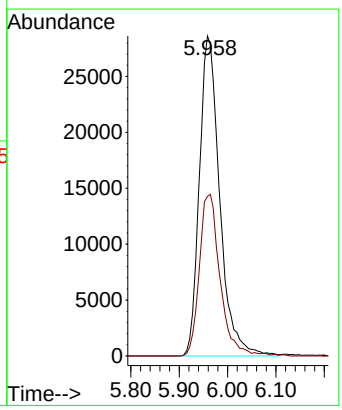


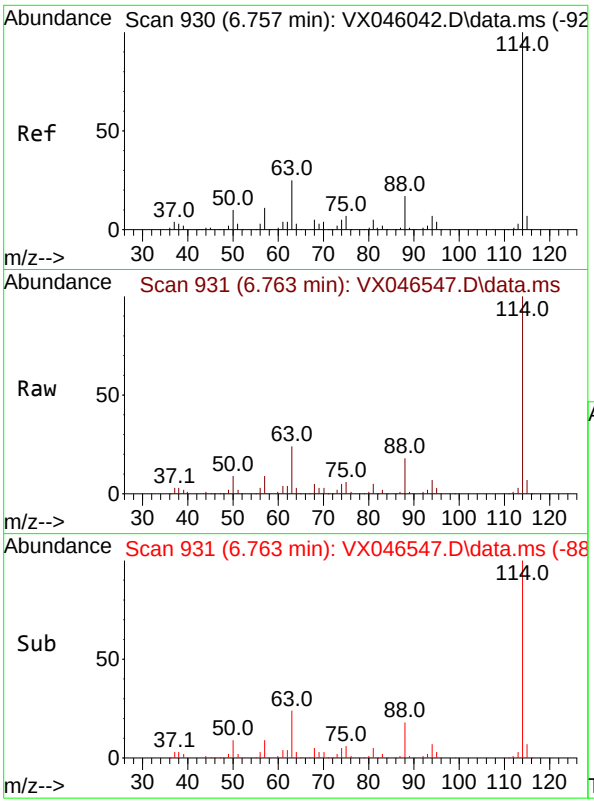


#33
1,2-Dichloroethane-d4
Concen: 49.293 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 65 Resp: 83647

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	99.0



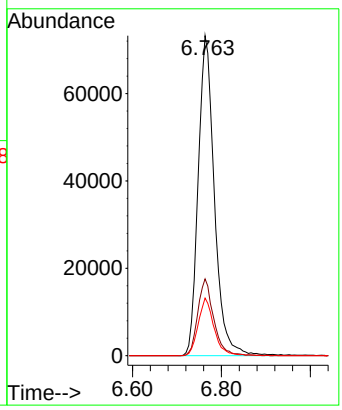


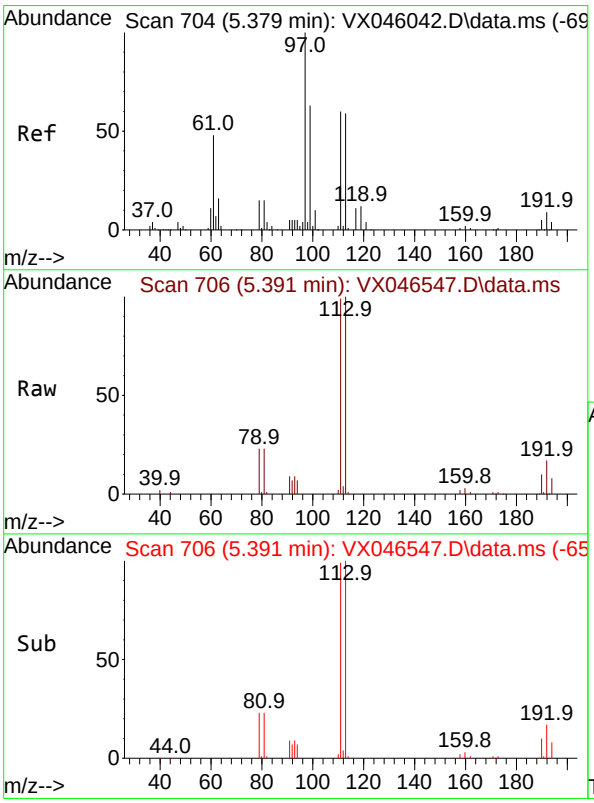
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 9
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Tgt Ion:114 Resp: 186443

Ion	Ratio	Lower	Upper
114	100		
63	24.0	0.0	49.2
88	18.0	0.0	33.6

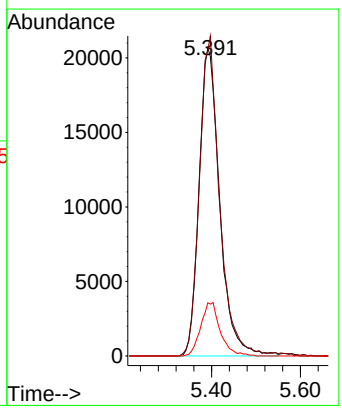


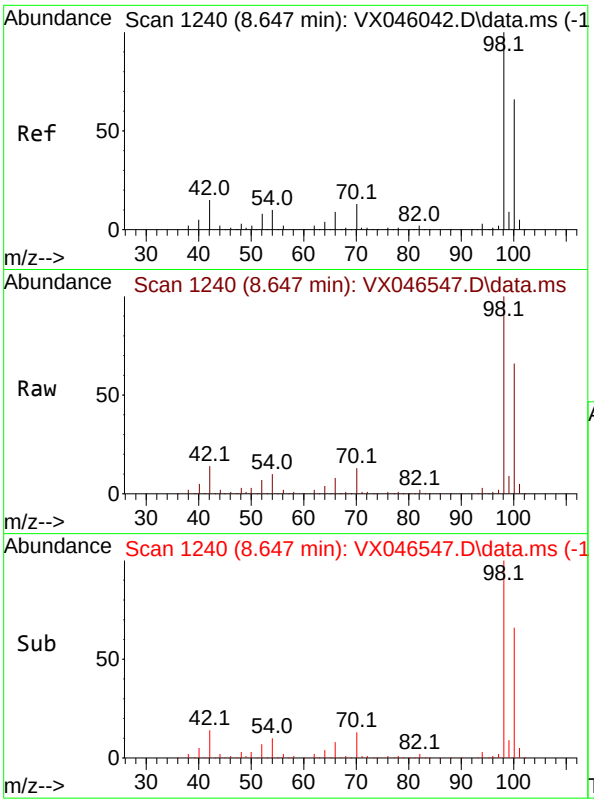


#35
Dibromofluoromethane
Concen: 48.824 ug/l
RT: 5.391 min Scan# 706
Delta R.T. -0.012 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion:113 Resp: 66943

Ion	Ratio	Lower	Upper
113	100		
111	100.9	83.1	124.7
192	16.4	13.3	19.9



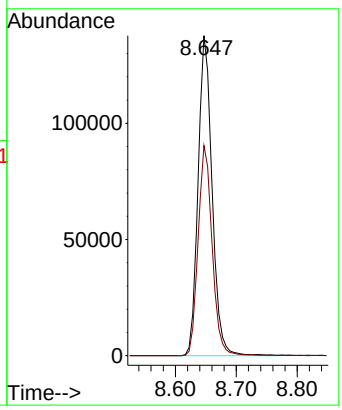


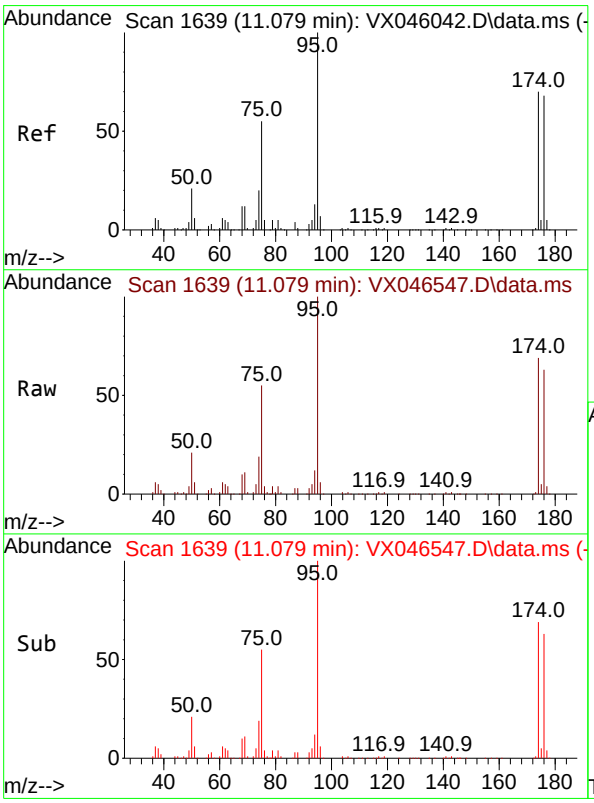
#50
Toluene-d8
Concen: 48.752 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Tgt Ion: 98 Resp: 220375

Ion	Ratio	Lower	Upper
98	100		
100	65.8	53.5	80.3

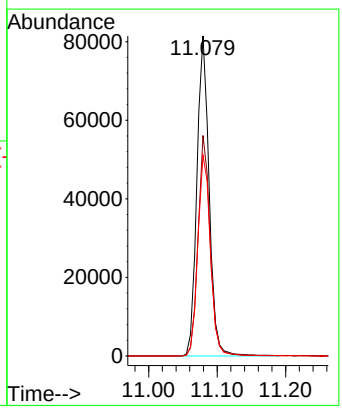


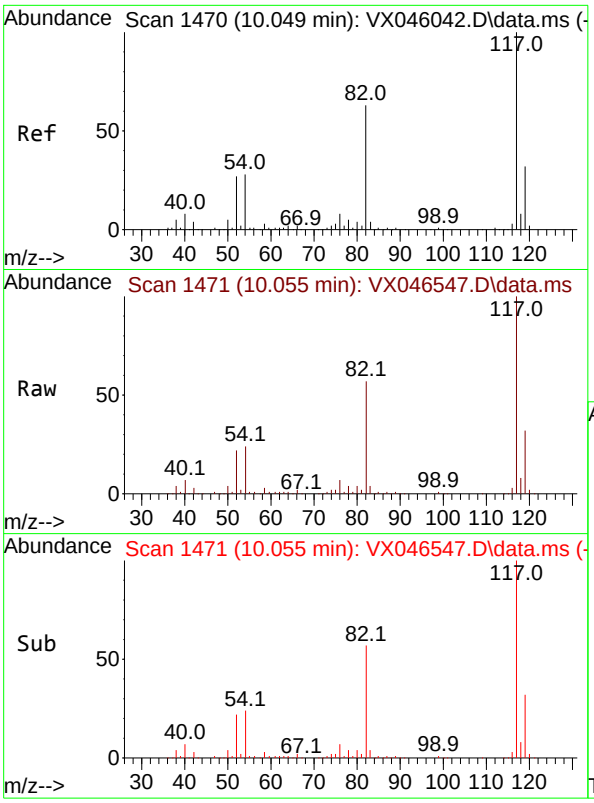


#62
4-Bromofluorobenzene
Concen: 54.180 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion: 95 Resp: 101330

Ion	Ratio	Lower	Upper
95	100		
174	68.2	0.0	135.8
176	64.6	0.0	131.4



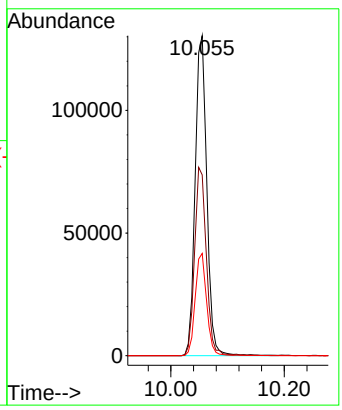


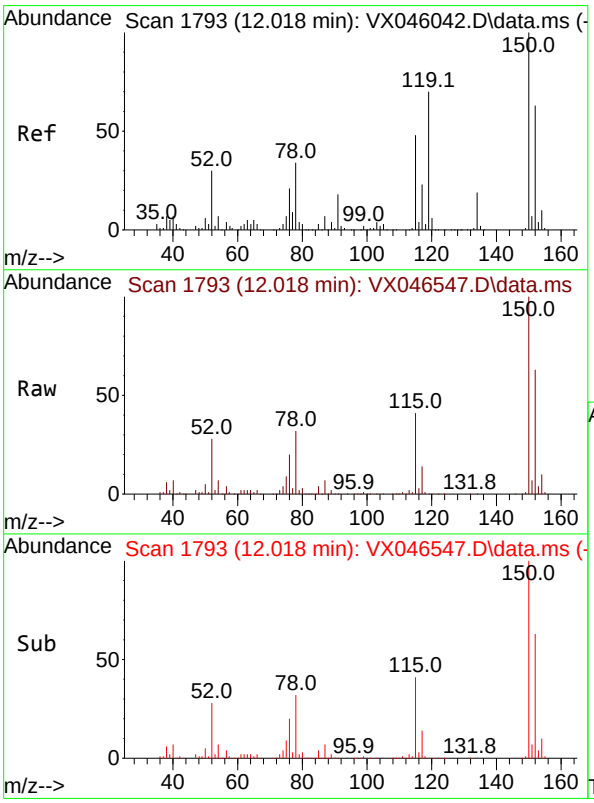
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBL02

Tgt Ion:117 Resp: 185656

Ion	Ratio	Lower	Upper
117	100		
82	56.5	50.6	76.0
119	31.9	25.8	38.6

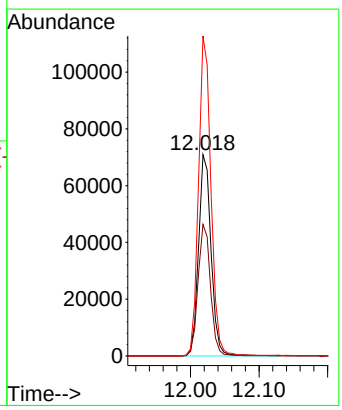




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.006 min
Lab File: VX046547.D
Acq: 07 Jun 2025 01:17

Tgt Ion:152 Resp: 90343

Ion	Ratio	Lower	Upper
152	100		
115	65.2	46.9	140.7
150	157.6	0.0	351.0



Raw Data: **VN086893.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBS01	SDG No.:	Q2236
Lab Sample ID:	VN0609WBS01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086893.D	1		06/09/25 10:50	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.018		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.10		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.020		0.00025	0.0010	mg/L
71-43-2	Benzene	0.020		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.021		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.021		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.020		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.021		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	58.6		70 (75) - 130 (124)	117%	SPK: 50
2037-26-5	Toluene-d8	55.2		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	267000	8.23			
540-36-3	1,4-Difluorobenzene	481000	9.106			
3114-55-4	Chlorobenzene-d5	422000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	202000	13.788			

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\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	266986	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	481053	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	422488	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202169	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	202389	56.618	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.240%			
35) Dibromofluoromethane	8.177	113	166951	58.562	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 117.120%			
50) Toluene-d8	10.565	98	622867	55.191	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 110.380%			
62) 4-Bromofluorobenzene	12.847	95	233615	55.716	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.440%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	51523	19.355	ug/l	100
3) Chloromethane	2.395	50	57302	16.670	ug/l	98
4) Vinyl Chloride	2.554	62	64913	18.306	ug/l	96
5) Bromomethane	2.995	94	41012	20.668	ug/l	100
6) Chloroethane	3.159	64	44644	19.491	ug/l	99
7) Trichlorofluoromethane	3.530	101	89135	19.239	ug/l	99
8) Diethyl Ether	3.983	74	46365	22.969	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.400	101	55767	19.159	ug/l	96
10) Methyl Iodide	4.612	142	67793	17.967	ug/l	95
11) Tert butyl alcohol	5.536	59	102670	105.851	ug/l	98
12) 1,1-Dichloroethene	4.365	96	59847	20.139	ug/l	93
13) Acrolein	4.200	56	29042	94.593	ug/l	99
14) Allyl chloride	5.048	41	88856	18.030	ug/l	97
15) Acrylonitrile	5.736	53	249150	109.898	ug/l	99
16) Acetone	4.448	43	186059	98.150	ug/l	99
17) Carbon Disulfide	4.736	76	147605	17.957	ug/l	99
18) Methyl Acetate	5.042	43	119428	21.619	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	246789	22.937	ug/l	99
20) Methylene Chloride	5.295	84	72770	20.504	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	64982	19.655	ug/l	93
22) Diisopropyl ether	6.683	45	213617	20.563	ug/l	97
23) Vinyl Acetate	6.618	43	935448	106.579	ug/l	97
24) 1,1-Dichloroethane	6.583	63	118296	19.787	ug/l	98
25) 2-Butanone	7.489	43	315151	102.277	ug/l	98
26) 2,2-Dichloropropane	7.500	77	97539	20.974	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	83955	21.233	ug/l	96
28) Bromochloromethane	7.824	49	63228	21.510	ug/l	91
29) Tetrahydrofuran	7.847	42	210156	104.697	ug/l	94
30) Chloroform	7.977	83	119528	20.020	ug/l	100
31) Cyclohexane	8.265	56	99106	17.094	ug/l	89
32) 1,1,1-Trichloroethane	8.177	97	98672	19.432	ug/l	93
36) 1,1-Dichloropropene	8.377	75	82550	19.433	ug/l	99
37) Ethyl Acetate	7.571	43	118150	21.848	ug/l	98
38) Carbon Tetrachloride	8.365	117	80592	19.324	ug/l	96
39) Methylcyclohexane	9.606	83	99387	17.077	ug/l	96
40) Benzene	8.612	78	281242	20.246	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	63106	20.779	ug/l		93
42) 1,2-Dichloroethane	8.677	62	89967	21.353	ug/l		98
43) Isopropyl Acetate	8.694	43	184375	21.243	ug/l		96
44) Trichloroethene	9.353	130	68709	20.860	ug/l		94
45) 1,2-Dichloropropane	9.624	63	70359	20.819	ug/l		97
46) Dibromomethane	9.712	93	50518	22.505	ug/l		97
47) Bromodichloromethane	9.888	83	97765	21.168	ug/l		94
48) Methyl methacrylate	9.682	41	82557	20.666	ug/l		94
49) 1,4-Dioxane	9.700	88	34752	478.183	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	573654	109.788	ug/l		97
52) Toluene	10.629	92	186254	21.940	ug/l		100
53) t-1,3-Dichloropropene	10.841	75	116115	22.484	ug/l		95
54) cis-1,3-Dichloropropene	10.312	75	121569	22.000	ug/l		96
55) 1,1,2-Trichloroethane	11.018	97	74365	22.766	ug/l		95
56) Ethyl methacrylate	10.882	69	125687	24.158	ug/l		93
57) 1,3-Dichloropropane	11.165	76	125890	22.217	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	349023	112.472	ug/l		97
59) 2-Hexanone	11.200	43	368271	109.420	ug/l		91
60) Dibromochloromethane	11.359	129	77533	22.781	ug/l		100
61) 1,2-Dibromoethane	11.471	107	76919	22.974	ug/l		98
64) Tetrachloroethene	11.106	164	52176	19.514	ug/l		97
65) Chlorobenzene	11.888	112	195119	20.940	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	65205	21.769	ug/l		98
67) Ethyl Benzene	11.965	91	317590	19.787	ug/l		99
68) m/p-Xylenes	12.071	106	251284	40.899	ug/l		97
69) o-Xylene	12.394	106	122737	20.858	ug/l		99
70) Styrene	12.412	104	213765	21.229	ug/l		99
71) Bromoform	12.582	173	52554	23.680	ug/l	#	99
73) Isopropylbenzene	12.694	105	293400	19.921	ug/l		99
74) N-amyl acetate	12.523	43	117821	22.893	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	116789	23.407	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	82055m	17.075	ug/l		
77) Bromobenzene	12.976	156	76143	22.543	ug/l		100
78) n-propylbenzene	13.035	91	346865	19.379	ug/l		99
79) 2-Chlorotoluene	13.123	91	216311	20.152	ug/l		96
80) 1,3,5-Trimethylbenzene	13.171	105	244158	20.079	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	51065	24.461	ug/l		90
82) 4-Chlorotoluene	13.218	91	219687	20.227	ug/l		98
83) tert-Butylbenzene	13.435	119	221806	19.927	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	248941	20.416	ug/l		100
85) sec-Butylbenzene	13.612	105	303760	18.792	ug/l		99
86) p-Isopropyltoluene	13.729	119	259754	19.440	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	140762	21.181	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	143075	21.117	ug/l		100
89) n-Butylbenzene	14.053	91	235600	18.204	ug/l		99
90) Hexachloroethane	14.329	117	42184	18.625	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	136855	21.435	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26513	22.219	ug/l		90
93) 1,2,4-Trichlorobenzene	15.388	180	79356	19.464	ug/l		99
94) Hexachlorobutadiene	15.494	225	27017	17.787	ug/l		99
95) Naphthalene	15.635	128	327594	21.587	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	77458	19.122	ug/l		100

Sample Results: **VN086893.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

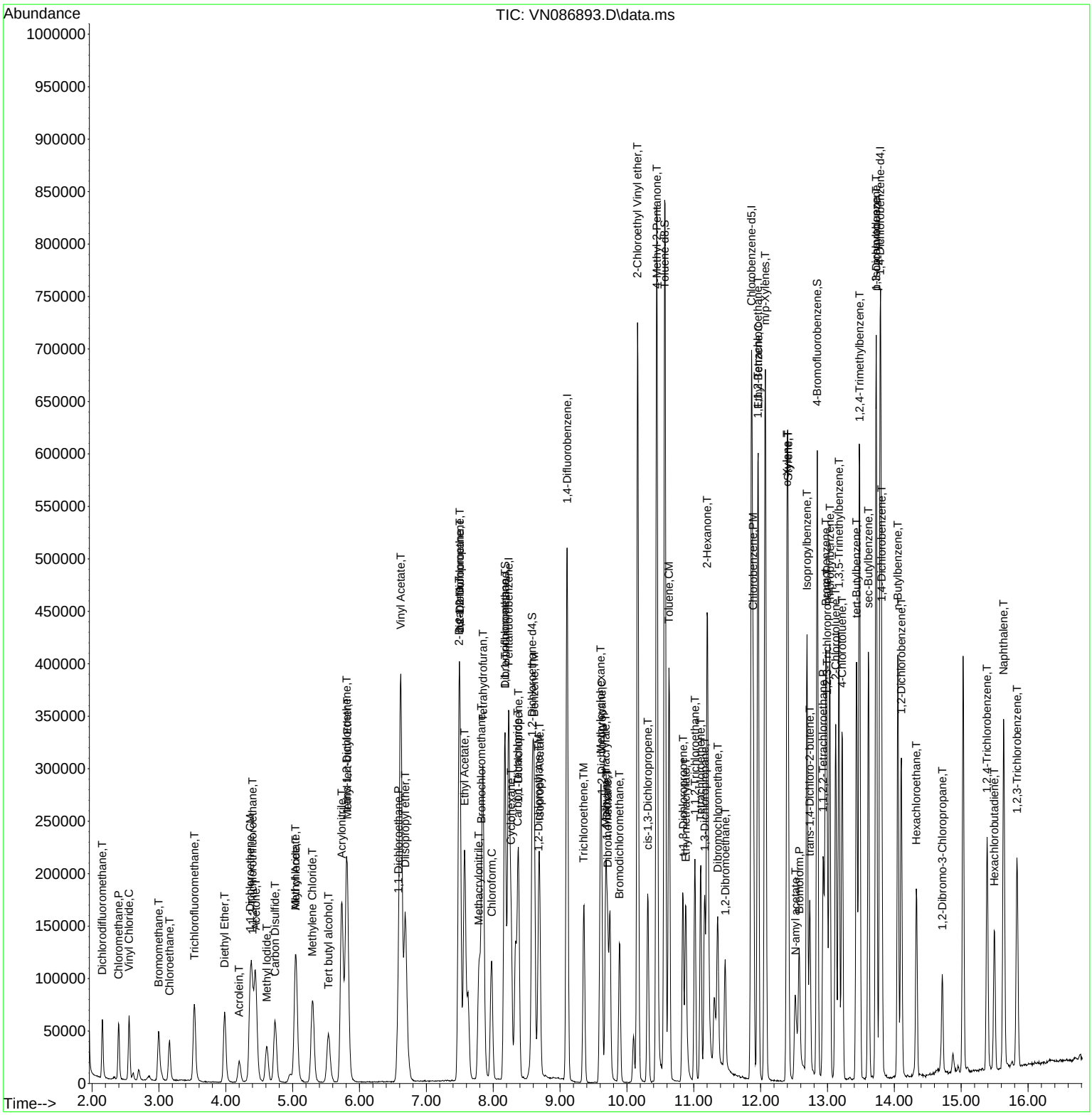
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086893.D
Acq On : 09 Jun 2025 10:50
Operator : JC\MD
Sample : VN0609WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jun 09 13:27:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



Raw Data: **VX046548.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VX0606WBS02	SDG No.:	Q2236
Lab Sample ID:	VX0606WBS02	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046548.D	1		06/07/25 02:00	VX060625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.019		0.00026	0.0050	mg/L
75-35-4	1,1-Dichloroethene	0.019		0.00023	0.0050	mg/L
78-93-3	2-Butanone	0.099		0.00098	0.025	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0050	mg/L
67-66-3	Chloroform	0.021		0.00025	0.0050	mg/L
71-43-2	Benzene	0.020		0.00015	0.0050	mg/L
107-06-2	1,2-Dichloroethane	0.020		0.00022	0.0050	mg/L
79-01-6	Trichloroethene	0.018		0.000090	0.0050	mg/L
127-18-4	Tetrachloroethene	0.019		0.00023	0.0050	mg/L
108-90-7	Chlorobenzene	0.020		0.00012	0.0050	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	86600	5.568			
540-36-3	1,4-Difluorobenzene	153000	6.769			
3114-55-4	Chlorobenzene-d5	138000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	70700	12.018			

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_X\Data\VX060625\
Data File : VX046548.D
Acq On : 07 Jun 2025 02:00
Operator : JC/MD
Sample : VX0606WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 07 04:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	86561	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	153201	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	137797	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	70682	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.970	65	75695	49.152	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.300%			
35) Dibromofluoromethane	5.404	113	54910	48.738	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.480%			
50) Toluene-d8	8.653	98	183059	49.284	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.560%			
62) 4-Bromofluorobenzene	11.079	95	77694	50.556	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.120%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	20923	17.411	ug/l	95
3) Chloromethane	1.307	50	19108	17.469	ug/l	99
4) Vinyl Chloride	1.386	62	20148	18.478	ug/l	98
5) Bromomethane	1.630	94	13575	20.507	ug/l	99
6) Chloroethane	1.703	64	13583	19.199	ug/l	95
7) Trichlorofluoromethane	1.904	101	34902	19.346	ug/l	95
8) Diethyl Ether	2.148	74	12618	19.795	ug/l	96
9) 1,1,2-Trichlorotrifluo...	2.349	101	21897	19.264	ug/l	96
10) Methyl Iodide	2.471	142	23885	19.385	ug/l	99
11) Tert butyl alcohol	2.965	59	16720	97.844	ug/l	100
12) 1,1-Dichloroethene	2.337	96	19602	19.074	ug/l	98
13) Acrolein	2.252	56	13808	88.797	ug/l	98
14) Allyl chloride	2.684	41	37226	18.444	ug/l	94
15) Acrylonitrile	3.081	53	65550	101.454	ug/l	98
16) Acetone	2.392	43	58897	100.196	ug/l	99
17) Carbon Disulfide	2.532	76	39438	18.203	ug/l	97
18) Methyl Acetate	2.721	43	40472	22.063	ug/l	98
19) Methyl tert-butyl Ether	3.130	73	74232	20.643	ug/l	97
20) Methylene Chloride	2.806	84	23595	19.098	ug/l	98
21) trans-1,2-Dichloroethene	3.111	96	19951	18.344	ug/l	95
22) Diisopropyl ether	3.782	45	83592	21.007	ug/l #	83
23) Vinyl Acetate	3.739	43	303998	98.952	ug/l	98
24) 1,1-Dichloroethane	3.629	63	44072	19.873	ug/l	97
25) 2-Butanone	4.574	43	84455	98.514	ug/l	100
26) 2,2-Dichloropropane	4.495	77	18497	11.235	ug/l	93
27) cis-1,2-Dichloroethene	4.513	96	25321	18.913	ug/l	95
28) Bromochloromethane	4.922	49	21198	20.040	ug/l	97
29) Tetrahydrofuran	5.019	42	53379	98.593	ug/l	99
30) Chloroform	5.111	83	48053	20.679	ug/l	96
31) Cyclohexane	5.483	56	34632	19.344	ug/l	96
32) 1,1,1-Trichloroethane	5.397	97	40606	20.428	ug/l	98
36) 1,1-Dichloropropene	5.714	75	29289m	18.200	ug/l	
37) Ethyl Acetate	4.733	43	34879m	22.206	ug/l	
38) Carbon Tetrachloride	5.690	117	34414	19.092	ug/l	95
39) Methylcyclohexane	7.391	83	33280	17.520	ug/l	98
40) Benzene	6.050	78	90122	19.892	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046548.D
Acq On : 07 Jun 2025 02:00
Operator : JC/MD
Sample : VX0606WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 07 04:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	19608	20.103	ug/l		96
42) 1,2-Dichloroethane	6.105	62	37427	19.857	ug/l		99
43) Isopropyl Acetate	6.355	43	55466	20.256	ug/l		99
44) Trichloroethene	7.135	130	21070	18.304	ug/l		99
45) 1,2-Dichloropropane	7.440	63	23635	20.211	ug/l		99
46) Dibromomethane	7.592	93	17272	19.633	ug/l		99
47) Bromodichloromethane	7.830	83	36660	20.267	ug/l		99
48) Methyl methacrylate	7.702	41	27982	19.862	ug/l		98
49) 1,4-Dioxane	7.665	88	7453	395.590	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	182184	104.701	ug/l		100
52) Toluene	8.720	92	54725	19.662	ug/l		98
53) t-1,3-Dichloropropene	8.982	75	29443	18.154	ug/l		98
54) cis-1,3-Dichloropropene	8.372	75	33117	18.365	ug/l		91
55) 1,1,2-Trichloroethane	9.153	97	23334	20.883	ug/l		98
56) Ethyl methacrylate	9.116	69	35438	20.610	ug/l		97
57) 1,3-Dichloropropane	9.311	76	39691	20.101	ug/l		99
58) 2-Chloroethyl Vinyl ether	8.244	63	83095	88.721	ug/l		99
59) 2-Hexanone	9.433	43	128756	103.175	ug/l		100
60) Dibromochloromethane	9.525	129	26289	20.002	ug/l		98
61) 1,2-Dibromoethane	9.610	107	23082	19.824	ug/l		98
64) Tetrachloroethene	9.275	164	17191	18.657	ug/l		95
65) Chlorobenzene	10.079	112	63048	19.454	ug/l		98
66) 1,1,1,2-Tetrachloroethane	10.165	131	21717	19.830	ug/l		98
67) Ethyl Benzene	10.195	91	111476	19.704	ug/l		99
68) m/p-Xylenes	10.299	106	80015	38.987	ug/l		97
69) o-Xylene	10.640	106	39576	19.937	ug/l		97
70) Styrene	10.653	104	70035	20.610	ug/l		98
71) Bromoform	10.799	173	16552	19.822	ug/l	#	97
73) Isopropylbenzene	10.963	105	108532	19.533	ug/l		100
74) N-amyl acetate	10.842	43	48086	19.652	ug/l		100
75) 1,1,2,2-Tetrachloroethane	11.213	83	34796	19.565	ug/l		97
76) 1,2,3-Trichloropropane	11.238	75	28883m	19.292	ug/l		
77) Bromobenzene	11.195	156	25602	19.852	ug/l		97
78) n-propylbenzene	11.305	91	128634	19.127	ug/l		100
79) 2-Chlorotoluene	11.360	91	78422	19.337	ug/l		100
80) 1,3,5-Trimethylbenzene	11.451	105	89523	19.335	ug/l		98
81) trans-1,4-Dichloro-2-b...	11.018	75	8004	15.422	ug/l		97
82) 4-Chlorotoluene	11.451	91	92213	19.183	ug/l		98
83) tert-Butylbenzene	11.713	119	91243	19.358	ug/l		99
84) 1,2,4-Trimethylbenzene	11.750	105	91697	19.577	ug/l		100
85) sec-Butylbenzene	11.890	105	117342	19.375	ug/l		100
86) p-Isopropyltoluene	12.006	119	96567	19.127	ug/l		99
87) 1,3-Dichlorobenzene	11.969	146	47924	19.136	ug/l		100
88) 1,4-Dichlorobenzene	12.043	146	48690	18.763	ug/l		98
89) n-Butylbenzene	12.329	91	91460	18.446	ug/l		99
90) Hexachloroethane	12.536	117	16301	18.165	ug/l		100
91) 1,2-Dichlorobenzene	12.335	146	46654	19.299	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	7705	19.347	ug/l		96
93) 1,2,4-Trichlorobenzene	13.585	180	30719	18.628	ug/l		100
94) Hexachlorobutadiene	13.725	225	13569	17.706	ug/l		97
95) Naphthalene	13.774	128	103288	19.751	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	30843	18.653	ug/l		99

Sample Results: **VX046548.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046548.D
Acq On : 07 Jun 2025 02:00
Operator : JC/MD
Sample : VX0606WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 07 04:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025

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

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

Sample Results: **VX046548.D**

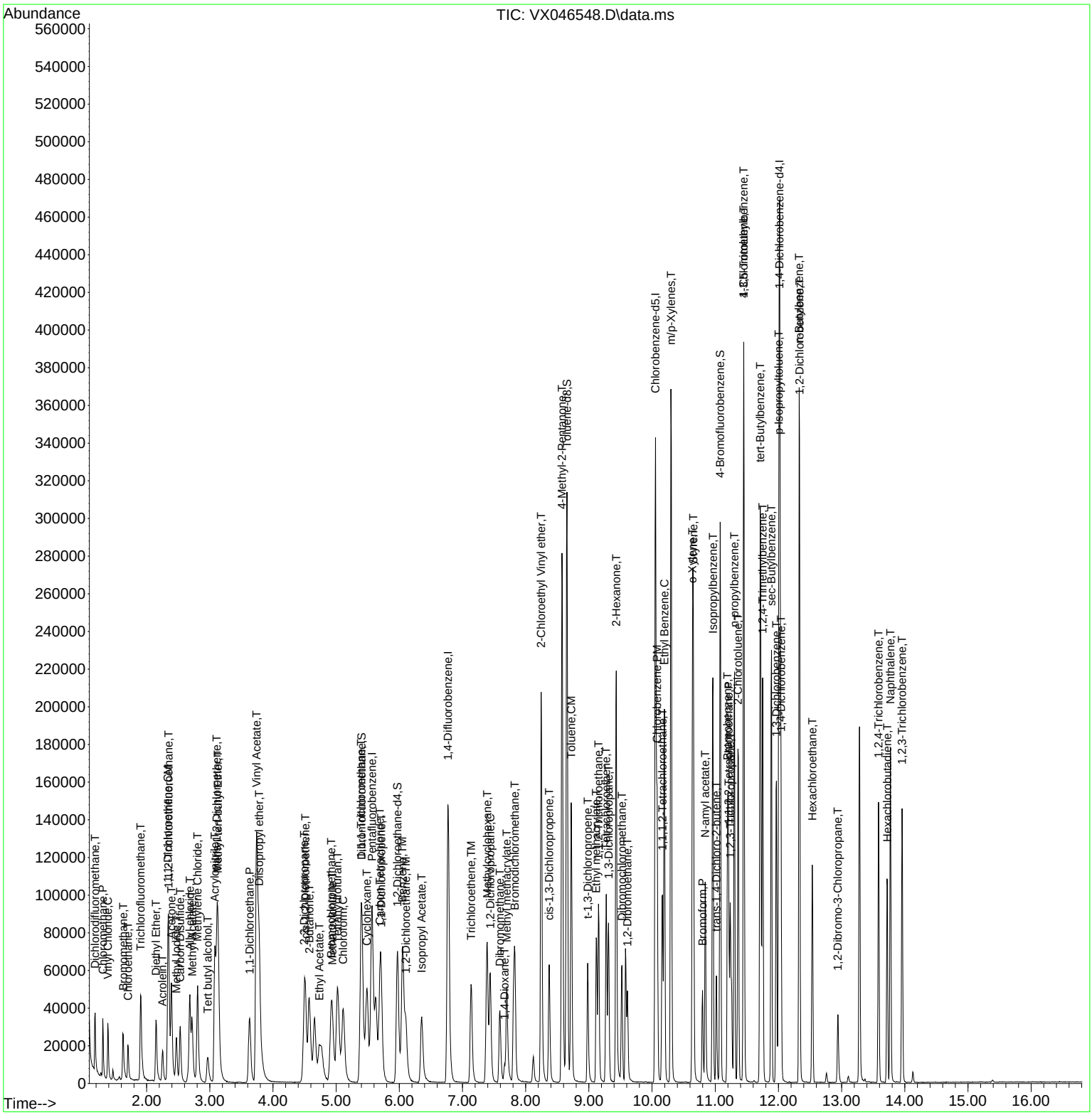
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX060625\
Data File : VX046548.D
Acq On : 07 Jun 2025 02:00
Operator : JC/MD
Sample : VX0606WBS02
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 37 Sample Multiplier: 1

Quant Time: Jun 07 04:27:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X060625W.M
Quant Title : SW846 8260
QLast Update : Fri Jun 06 16:56:12 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0606WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/09/2025
Supervised By :Mahesh Dadoda 06/09/2025



Raw Data: **VN086902.D**

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

Report of Analysis

Client:	ENTACT	Date Collected:	
Project:	540 Degraw St, Brooklyn, NY - E9309	Date Received:	
Client Sample ID:	VN0609WBSD01	SDG No.:	Q2236
Lab Sample ID:	VN0609WBSD01	Matrix:	TCLP
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	TCLP VOA
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086902.D	1		06/09/25 14:04	VN060925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.018		0.00026	0.0010	mg/L
75-35-4	1,1-Dichloroethene	0.020		0.00023	0.0010	mg/L
78-93-3	2-Butanone	0.082		0.00098	0.0050	mg/L
56-23-5	Carbon Tetrachloride	0.019		0.00025	0.0010	mg/L
67-66-3	Chloroform	0.018		0.00025	0.0010	mg/L
71-43-2	Benzene	0.019		0.00015	0.0010	mg/L
107-06-2	1,2-Dichloroethane	0.019		0.00022	0.0010	mg/L
79-01-6	Trichloroethene	0.020		0.000090	0.0010	mg/L
127-18-4	Tetrachloroethene	0.019		0.00023	0.0010	mg/L
108-90-7	Chlorobenzene	0.020		0.00012	0.0010	mg/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.4		70 (74) - 130 (125)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	262000	8.23			
540-36-3	1,4-Difluorobenzene	463000	9.106			
3114-55-4	Chlorobenzene-d5	392000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.788			

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\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	261604	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	462540	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	392287	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	182953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	155677	44.446	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 88.900%			
35) Dibromofluoromethane	8.177	113	138371	50.480	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.960%			
50) Toluene-d8	10.565	98	523398	48.233	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.460%			
62) 4-Bromofluorobenzene	12.847	95	192426	47.729	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.460%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	49965	19.156	ug/l	97
3) Chloromethane	2.401	50	52285	15.523	ug/l	97
4) Vinyl Chloride	2.554	62	63164	18.179	ug/l	98
5) Bromomethane	3.001	94	33037	16.991	ug/l	97
6) Chloroethane	3.159	64	40895	18.222	ug/l	96
7) Trichlorofluoromethane	3.536	101	86708	19.101	ug/l	94
8) Diethyl Ether	3.983	74	39083	19.760	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.406	101	51965	18.220	ug/l	97
10) Methyl Iodide	4.618	142	46201	12.496	ug/l	99
11) Tert butyl alcohol	5.536	59	79160	83.292	ug/l	100
12) 1,1-Dichloroethene	4.365	96	56740	19.487	ug/l	93
13) Acrolein	4.206	56	25830	85.862	ug/l	96
14) Allyl chloride	5.048	41	79237	16.409	ug/l	95
15) Acrylonitrile	5.736	53	194819	87.701	ug/l	100
16) Acetone	4.448	43	142818	76.889	ug/l	98
17) Carbon Disulfide	4.742	76	140783	17.480	ug/l	98
18) Methyl Acetate	5.048	43	91360	16.878	ug/l	96
19) Methyl tert-butyl Ether	5.818	73	202158	19.175	ug/l	99
20) Methylene Chloride	5.300	84	62323	17.922	ug/l	94
21) trans-1,2-Dichloroethene	5.806	96	60645	18.720	ug/l	92
22) Diisopropyl ether	6.683	45	179323	17.617	ug/l	94
23) Vinyl Acetate	6.618	43	758661	88.215	ug/l	97
24) 1,1-Dichloroethane	6.583	63	107933	18.425	ug/l	98
25) 2-Butanone	7.494	43	248457	82.292	ug/l	95
26) 2,2-Dichloropropane	7.500	77	85897	18.851	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	73368	18.937	ug/l	96
28) Bromochloromethane	7.824	49	47379	16.450	ug/l	87
29) Tetrahydrofuran	7.853	42	163380	83.068	ug/l	93
30) Chloroform	7.977	83	107556	18.386	ug/l	99
31) Cyclohexane	8.271	56	90403	15.914	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	92483	18.588	ug/l	93
36) 1,1-Dichloropropene	8.377	75	78110	19.123	ug/l	99
37) Ethyl Acetate	7.571	43	93294	17.942	ug/l	98
38) Carbon Tetrachloride	8.371	117	77600	19.351	ug/l	99
39) Methylcyclohexane	9.606	83	91033	16.268	ug/l	96
40) Benzene	8.612	78	254036	19.020	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.789	41	52205	17.877 ug/l	95
42) 1,2-Dichloroethane	8.677	62	75987	18.757 ug/l	98
43) Isopropyl Acetate	8.694	43	146007	17.495 ug/l	95
44) Trichloroethene	9.359	130	64635	20.408 ug/l	96
45) 1,2-Dichloropropane	9.624	63	60591	18.646 ug/l	100
46) Dibromomethane	9.712	93	43406	20.111 ug/l	96
47) Bromodichloromethane	9.894	83	85075	19.158 ug/l	100
48) Methyl methacrylate	9.682	41	66751	17.378 ug/l	96
49) 1,4-Dioxane	9.700	88	25844	369.843 ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	448816	89.334 ug/l	96
52) Toluene	10.630	92	161571	19.794 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	98270	19.790 ug/l	95
54) cis-1,3-Dichloropropene	10.318	75	104098	19.593 ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	61721	19.651 ug/l	97
56) Ethyl methacrylate	10.882	69	100979	20.185 ug/l	93
57) 1,3-Dichloropropane	11.165	76	105036	19.278 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	239383	80.228 ug/l	96
59) 2-Hexanone	11.206	43	279871	86.483 ug/l	91
60) Dibromochloromethane	11.359	129	66878	20.437 ug/l	99
61) 1,2-Dibromoethane	11.471	107	64475	20.028 ug/l	99
64) Tetrachloroethene	11.106	164	47676	19.204 ug/l	96
65) Chlorobenzene	11.894	112	175411	20.274 ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.959	131	58317	20.968 ug/l	97
67) Ethyl Benzene	11.965	91	290096	19.466 ug/l	99
68) m/p-Xylenes	12.071	106	226281	39.665 ug/l	98
69) o-Xylene	12.394	106	109915	20.117 ug/l	97
70) Styrene	12.412	104	187888	20.096 ug/l	99
71) Bromoform	12.576	173	44372	21.533 ug/l #	100
73) Isopropylbenzene	12.694	105	266966	20.030 ug/l	99
74) N-amyl acetate	12.524	43	86229	18.514 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	96951	21.472 ug/l	100
76) 1,2,3-Trichloropropane	12.994	75	94554m	21.742 ug/l	
77) Bromobenzene	12.982	156	67800	22.181 ug/l	93
78) n-propylbenzene	13.035	91	314811	19.436 ug/l	99
79) 2-Chlorotoluene	13.123	91	189034	19.460 ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	220034	19.996 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	41191	21.803 ug/l	92
82) 4-Chlorotoluene	13.218	91	196983	20.042 ug/l	99
83) tert-Butylbenzene	13.435	119	192556	19.116 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	220449	19.978 ug/l	99
85) sec-Butylbenzene	13.612	105	274677	18.777 ug/l	98
86) p-Isopropyltoluene	13.729	119	231742	19.165 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	124137	20.642 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	126650	20.656 ug/l	100
89) n-Butylbenzene	14.053	91	207489	17.715 ug/l	98
90) Hexachloroethane	14.329	117	39127	19.090 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	121942	21.105 ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	21661	20.059 ug/l	92
93) 1,2,4-Trichlorobenzene	15.388	180	70202	19.028 ug/l	100
94) Hexachlorobutadiene	15.500	225	24178	17.589 ug/l	96
95) Naphthalene	15.635	128	379545	27.638 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	65394	17.840 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025

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

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

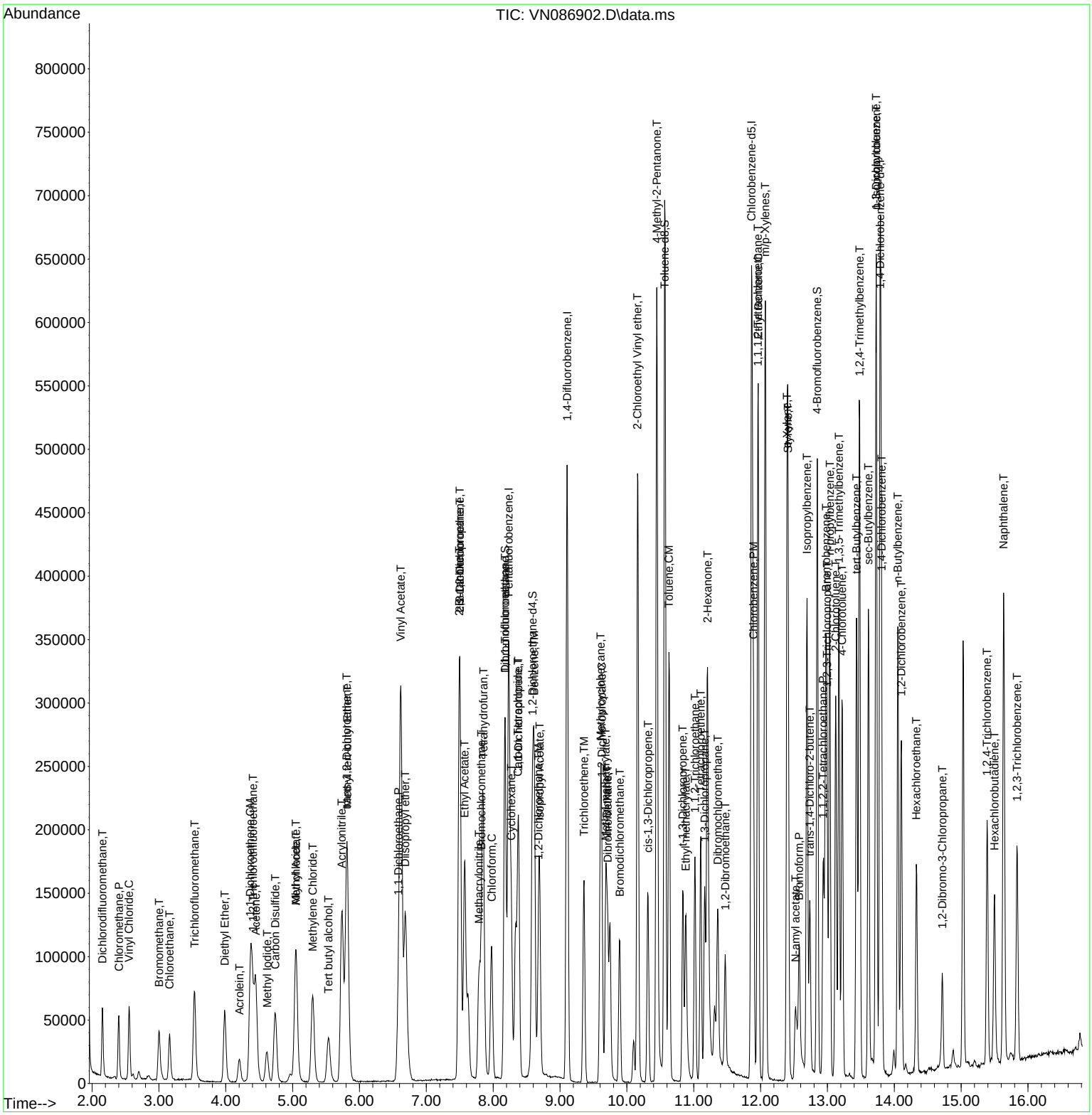
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN060925\
Data File : VN086902.D
Acq On : 09 Jun 2025 14:04
Operator : JC\MD
Sample : VN0609WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jun 10 03:32:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0609WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/10/2025
Supervised By :Mahesh Dadoda 06/10/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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

Manual Integration Report

Sequence:	vn060925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086888.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:41 AM	MMDadoda	6/10/2025 2:25:05 PM	Peak Integrated by Software
VN0609WBS01	VN086893.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:00:50 AM	MMDadoda	6/10/2025 2:25:08 PM	Peak Integrated by Software
Q2236-05RE	VN086898.D	Naphthalene	JOHN	6/10/2025 9:01:00 AM	MMDadoda	6/10/2025 2:25:11 PM	Peak Integrated by Software
VN0609WBSD01	VN086902.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:01:04 AM	MMDadoda	6/10/2025 2:25:12 PM	Peak Integrated by Software
VSTDCCC050	VN086911.D	1,2,3-Trichloropropane	JOHN	6/10/2025 9:03:16 AM	MMDadoda	6/10/2025 2:25:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046518.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:36 PM	MMDadoda	6/9/2025 1:14:56 PM	Peak Integrated by Software
VSTDICC020	VX046519.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:40 PM	MMDadoda	6/9/2025 1:14:59 PM	Peak Integrated by Software
VSTDICCC050	VX046520.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:44 PM	MMDadoda	6/9/2025 1:15:03 PM	Peak Integrated by Software
VSTDICC100	VX046521.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:48 PM	MMDadoda	6/9/2025 1:15:08 PM	Peak Integrated by Software
VSTDICC150	VX046522.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:25:52 PM	MMDadoda	6/9/2025 1:15:37 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICC001	VX046524.D	Ethyl Acetate	JOHN	6/9/2025 8:08:38 AM	MMDadoda	6/9/2025 1:15:41 PM	Peak Integrated by Software
VSTDICV050	VX046525.D	1,2,3-Trichloropropane	JOHN	6/6/2025 5:26:01 PM	MMDadoda	6/9/2025 1:16:01 PM	Peak Integrated by Software
VSTDCCC050	VX046544.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:18 AM	MMDadoda	6/9/2025 1:16:52 PM	Peak Integrated by Software
VSTDCCC050	VX046546.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:22 AM	MMDadoda	6/9/2025 1:16:54 PM	Peak Integrated by Software
VX0606WBS02	VX046548.D	1,1-Dichloropropene	JOHN	6/9/2025 8:10:27 AM	MMDadoda	6/9/2025 1:16:56 PM	Peak Integrated by Software
VX0606WBS02	VX046548.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:10:27 AM	MMDadoda	6/9/2025 1:16:56 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX060625	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VX0606WBS02	VX046548.D	Ethyl Acetate	JOHN	6/9/2025 8:10:27 AM	MMDadoda	6/9/2025 1:16:56 PM	Peak Integrated by Software
VSTDCCC050	VX046565.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:12:06 AM	Sam	6/9/2025 1:18:52 PM	Peak Integrated by Software

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086887.D	09 Jun 2025 08:04	JC\MD	Ok
2	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	JC\MD	Ok,M
3	VN0609MBL01	VN086889.D	09 Jun 2025 09:12	JC\MD	Ok
4	VN0609WBL01	VN086890.D	09 Jun 2025 09:33	JC\MD	Ok
5	VN0609MBS01	VN086891.D	09 Jun 2025 09:55	JC\MD	Ok,M
6	Q2216-01	VN086892.D	09 Jun 2025 10:29	JC\MD	Dilution
7	VN0609WBS01	VN086893.D	09 Jun 2025 10:50	JC\MD	Ok,M
8	Q2254-01	VN086894.D	09 Jun 2025 11:12	JC\MD	Ok
9	Q2216-05	VN086895.D	09 Jun 2025 11:33	JC\MD	Ok
10	Q2216-06	VN086896.D	09 Jun 2025 11:55	JC\MD	Ok,M
11	Q2236-01	VN086897.D	09 Jun 2025 12:16	JC\MD	Ok
12	Q2236-05RE	VN086898.D	09 Jun 2025 12:38	JC\MD	Confirms
13	Q2236-09	VN086899.D	09 Jun 2025 12:59	JC\MD	Ok
14	Q2236-17RE	VN086900.D	09 Jun 2025 13:21	JC\MD	Confirms
15	Q2216-01DL	VN086901.D	09 Jun 2025 13:42	JC\MD	Ok
16	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04	JC\MD	Ok,M
17	Q2192-01	VN086903.D	09 Jun 2025 14:25	JC\MD	Ok
18	Q2242-04	VN086904.D	09 Jun 2025 14:47	JC\MD	Ok
19	Q2198-02	VN086905.D	09 Jun 2025 15:08	JC\MD	Ok
20	Q2198-04	VN086906.D	09 Jun 2025 15:30	JC\MD	Ok
21	Q2206-04	VN086907.D	09 Jun 2025 15:51	JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2226-04	VN086908.D	09 Jun 2025 16:13	JC\MD	Ok
23	Q2228-04	VN086909.D	09 Jun 2025 16:34	JC\MD	Ok
24	Q2235-01	VN086910.D	09 Jun 2025 16:55	JC\MD	Ok
25	VSTDCCC050	VN086911.D	09 Jun 2025 17:17	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046516.D	06 Jun 2025 08:47	JC/MD	Ok
2	VSTDICC001	VX046517.D	06 Jun 2025 09:13	JC/MD	Not Ok
3	VSTDICC005	VX046518.D	06 Jun 2025 09:42	JC/MD	Ok,M
4	VSTDICC020	VX046519.D	06 Jun 2025 10:18	JC/MD	Ok,M
5	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	JC/MD	Ok,M
6	VSTDICC100	VX046521.D	06 Jun 2025 11:02	JC/MD	Ok,M
7	VSTDICC150	VX046522.D	06 Jun 2025 11:25	JC/MD	Ok,M
8	IBLK	VX046523.D	06 Jun 2025 11:47	JC/MD	Ok
9	VSTDICC001	VX046524.D	06 Jun 2025 12:57	JC/MD	Ok,M
10	VSTDICV050	VX046525.D	06 Jun 2025 14:11	JC/MD	Ok,M
11	VX0606MBL01	VX046526.D	06 Jun 2025 14:39	JC/MD	Ok
12	VX0606WBL01	VX046527.D	06 Jun 2025 15:02	JC/MD	Ok
13	VX0606WBS01	VX046528.D	06 Jun 2025 15:25	JC/MD	Ok,M
14	VX0606MBS01	VX046529.D	06 Jun 2025 15:51	JC/MD	Ok,M
15	Q2168-11MEDL	VX046530.D	06 Jun 2025 16:13	JC/MD	Ok
16	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36	JC/MD	Ok,M
17	Q2194-02	VX046532.D	06 Jun 2025 16:58	JC/MD	Ok
18	Q2194-04	VX046533.D	06 Jun 2025 17:21	JC/MD	Ok
19	Q2207-09	VX046534.D	06 Jun 2025 17:43	JC/MD	Ok,M
20	Q2207-18	VX046535.D	06 Jun 2025 18:06	JC/MD	Ok,M
21	Q2207-27	VX046536.D	06 Jun 2025 18:28	JC/MD	Ok,M

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2207-36	VX046537.D	06 Jun 2025 18:51	JC/MD	Ok,M
23	Q2207-45	VX046538.D	06 Jun 2025 19:13	JC/MD	Ok,M
24	Q2208-09	VX046539.D	06 Jun 2025 19:35	JC/MD	Ok,M
25	Q2208-18	VX046540.D	06 Jun 2025 19:58	JC/MD	Ok,M
26	Q2208-27	VX046541.D	06 Jun 2025 20:20	JC/MD	Ok,M
27	Q2208-36	VX046542.D	06 Jun 2025 20:42	JC/MD	Ok,M
28	Q2236-01	VX046543.D	06 Jun 2025 21:04	JC/MD	Not Ok
29	VSTDCCC050	VX046544.D	06 Jun 2025 21:26	JC/MD	Not Ok
30	BFB	VX046545.D	06 Jun 2025 23:59	JC/MD	Ok
31	VSTDCCC050	VX046546.D	07 Jun 2025 00:34	JC/MD	Ok,M
32	VX0606WBL02	VX046547.D	07 Jun 2025 01:17	JC/MD	Ok
33	VX0606WBS02	VX046548.D	07 Jun 2025 02:00	JC/MD	Ok,M
34	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22	JC/MD	Ok,M
35	PB168312TB	VX046550.D	07 Jun 2025 02:43	JC/MD	Ok,M
36	PB168272TB	VX046551.D	07 Jun 2025 03:05	JC/MD	Ok,M
37	Q2236-05	VX046552.D	07 Jun 2025 03:26	JC/MD	ReRun
38	Q2236-09	VX046553.D	07 Jun 2025 03:48	JC/MD	ReRun
39	Q2236-13	VX046554.D	07 Jun 2025 04:09	JC/MD	Ok
40	Q2236-17	VX046555.D	07 Jun 2025 04:31	JC/MD	ReRun
41	Q2227-04	VX046556.D	07 Jun 2025 04:52	JC/MD	Ok,M
42	Q2228-04	VX046557.D	07 Jun 2025 05:14	JC/MD	ReRun
43	Q2235-01	VX046558.D	07 Jun 2025 05:36	JC/MD	ReRun
44	Q2240-04	VX046559.D	07 Jun 2025 05:57	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

45	Q2240-08	VX046560.D	07 Jun 2025 06:18	JC/MD	ReRun
46	Q2240-12	VX046561.D	07 Jun 2025 06:40	JC/MD	ReRun
47	Q2241-04	VX046562.D	07 Jun 2025 07:01	JC/MD	ReRun
48	Q2241-08	VX046563.D	07 Jun 2025 07:23	JC/MD	ReRun
49	Q2226-04	VX046564.D	07 Jun 2025 07:44	JC/MD	ReRun
50	VSTDCCC050	VX046565.D	07 Jun 2025 08:06	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
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	VN086887.D	09 Jun 2025 08:04		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086888.D	09 Jun 2025 08:37	pH#Lot#V12668	JC\MD	Ok,M
3	VN0609MBL01	VN0609MBL01	VN086889.D	09 Jun 2025 09:12		JC\MD	Ok
4	VN0609WBL01	VN0609WBL01	VN086890.D	09 Jun 2025 09:33		JC\MD	Ok
5	VN0609MBS01	VN0609MBS01	VN086891.D	09 Jun 2025 09:55		JC\MD	Ok,M
6	Q2216-01	3898	VN086892.D	09 Jun 2025 10:29	need 10X	JC\MD	Dilution
7	VN0609WBS01	VN0609WBS01	VN086893.D	09 Jun 2025 10:50		JC\MD	Ok,M
8	Q2254-01	BP-VPB-182-GW-810-8	VN086894.D	09 Jun 2025 11:12	vial B pH<2	JC\MD	Ok
9	Q2216-05	3865	VN086895.D	09 Jun 2025 11:33	vial B pH<2	JC\MD	Ok
10	Q2216-06	3851	VN086896.D	09 Jun 2025 11:55	vial B pH<2	JC\MD	Ok,M
11	Q2236-01	WC-A4-05A-G	VN086897.D	09 Jun 2025 12:16	vial B pH#5.0	JC\MD	Ok
12	Q2236-05RE	WC-A2-04-GRE	VN086898.D	09 Jun 2025 12:38	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
13	Q2236-09	WC-A2-05-G	VN086899.D	09 Jun 2025 12:59	vial B pH#5.0	JC\MD	Ok
14	Q2236-17RE	WC-A2-07-GRE	VN086900.D	09 Jun 2025 13:21	vial B pH#5.0 Surrogate Fail	JC\MD	Confirms
15	Q2216-01DL	3898DL	VN086901.D	09 Jun 2025 13:42		JC\MD	Ok
16	VN0609WBSD01	VN0609WBSD01	VN086902.D	09 Jun 2025 14:04		JC\MD	Ok,M
17	Q2192-01	SB-1	VN086903.D	09 Jun 2025 14:25	vial B pH#5.0	JC\MD	Ok
18	Q2242-04	TP09-MHJ	VN086904.D	09 Jun 2025 14:47	vial B pH#5.0	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060925

Review By	John Carlone	Review On	6/10/2025 9:06:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/10/2025 2:26:32 PM		
SubDirectory	VN060925	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134162
Initial Calibration Stds	
CCC	VP134163,VP134164
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2198-02	B-202-SB02	VN086905.D	09 Jun 2025 15:08	vial B pH#5.0	JC\MD	Ok
20	Q2198-04	B-207-SB02	VN086906.D	09 Jun 2025 15:30	vial B pH#5.0	JC\MD	Ok
21	Q2206-04	TP-1	VN086907.D	09 Jun 2025 15:51	vial B pH#5.0	JC\MD	Ok
22	Q2226-04	TP06-MHI-WC	VN086908.D	09 Jun 2025 16:13	vial B pH#5.0	JC\MD	Ok
23	Q2228-04	TP08-MHI-WC	VN086909.D	09 Jun 2025 16:34	vial B pH#5.0	JC\MD	Ok
24	Q2235-01	WC-A2-08-G	VN086910.D	09 Jun 2025 16:55	vial B pH#5.0	JC\MD	Ok
25	VSTDCCC050	VSTDCCC050EC	VN086911.D	09 Jun 2025 17:17		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046516.D	06 Jun 2025 08:47		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046517.D	06 Jun 2025 09:13		JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX046518.D	06 Jun 2025 09:42	for TCLP	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX046519.D	06 Jun 2025 10:18	Comp #05 fail	JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX046520.D	06 Jun 2025 10:40	LR-13,16,17	JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX046521.D	06 Jun 2025 11:02		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX046522.D	06 Jun 2025 11:25		JC/MD	Ok,M
8	IBLK	IBLK	VX046523.D	06 Jun 2025 11:47		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX046524.D	06 Jun 2025 12:57		JC/MD	Ok,M
10	VSTDICV050	ICVVX060625	VX046525.D	06 Jun 2025 14:11		JC/MD	Ok,M
11	VX0606MBL01	VX0606MBL01	VX046526.D	06 Jun 2025 14:39		JC/MD	Ok
12	VX0606WBL01	VX0606WBL01	VX046527.D	06 Jun 2025 15:02		JC/MD	Ok
13	VX0606WBS01	VX0606WBS01	VX046528.D	06 Jun 2025 15:25		JC/MD	Ok,M
14	VX0606MBS01	VX0606MBS01	VX046529.D	06 Jun 2025 15:51		JC/MD	Ok,M
15	Q2168-11MEDL	C2MEDL	VX046530.D	06 Jun 2025 16:13		JC/MD	Ok
16	VX0606WBSD01	VX0606WBSD01	VX046531.D	06 Jun 2025 16:36		JC/MD	Ok,M
17	Q2194-02	COMP-12	VX046532.D	06 Jun 2025 16:58	vial A pH#5.0	JC/MD	Ok
18	Q2194-04	COMP-13	VX046533.D	06 Jun 2025 17:21	vial A pH#5.0	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2207-09	BU-703-COMP-01	VX046534.D	06 Jun 2025 17:43	vial A pH#5.0	JC/MD	Ok,M
20	Q2207-18	BU-703-COMP-02	VX046535.D	06 Jun 2025 18:06	vial A pH#5.0	JC/MD	Ok,M
21	Q2207-27	BU-703-COMP-03	VX046536.D	06 Jun 2025 18:28	vial A pH#5.0	JC/MD	Ok,M
22	Q2207-36	BU-703-COMP-04	VX046537.D	06 Jun 2025 18:51	vial A pH#5.0	JC/MD	Ok,M
23	Q2207-45	BU-703-COMP-05	VX046538.D	06 Jun 2025 19:13	vial A pH#5.0	JC/MD	Ok,M
24	Q2208-09	BU-703-COMP-06	VX046539.D	06 Jun 2025 19:35	vial A pH#5.0	JC/MD	Ok,M
25	Q2208-18	BU-703-COMP-07	VX046540.D	06 Jun 2025 19:58	vial A pH#5.0	JC/MD	Ok,M
26	Q2208-27	BU-703-COMP-08	VX046541.D	06 Jun 2025 20:20	vial A pH#5.0	JC/MD	Ok,M
27	Q2208-36	BU-703-COMP-09	VX046542.D	06 Jun 2025 20:42	vial A pH#5.0	JC/MD	Ok,M
28	Q2236-01	WC-A4-05A-G	VX046543.D	06 Jun 2025 21:04	vial A pH#5.0 Out of tune	JC/MD	Not Ok
29	VSTDCCC050	VSTDCCC050EC	VX046544.D	06 Jun 2025 21:26	Out of tune	JC/MD	Not Ok
30	BFB	BFB	VX046545.D	06 Jun 2025 23:59		JC/MD	Ok
31	VSTDCCC050	VSTDCCC050	VX046546.D	07 Jun 2025 00:34		JC/MD	Ok,M
32	VX0606WBL02	VX0606WBL02	VX046547.D	07 Jun 2025 01:17		JC/MD	Ok
33	VX0606WBS02	VX0606WBS02	VX046548.D	07 Jun 2025 02:00		JC/MD	Ok,M
34	VX0606WBSD02	VX0606WBSD02	VX046549.D	07 Jun 2025 02:22		JC/MD	Ok,M
35	PB168312TB	PB168312TB	VX046550.D	07 Jun 2025 02:43		JC/MD	Ok,M
36	PB168272TB	PB168272TB	VX046551.D	07 Jun 2025 03:05		JC/MD	Ok,M
37	Q2236-05	WC-A2-04-G	VX046552.D	07 Jun 2025 03:26	Surrogate Fail	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX060625

Review By	Mahesh Dadoda	Review On	6/9/2025 1:15:21 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/9/2025 1:19:58 PM		
SubDirectory	VX060625	HP Acquire Method		HP Processing Method	82X060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134153
Initial Calibration Stds	VP134235,VP134236,VP134237,VP134238,VP134239,VP134240
CCC	VP134154
Internal Standard/PEM	
ICV/I.BLK	VP134241
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

38	Q2236-09	WC-A2-05-G	VX046553.D	07 Jun 2025 03:48	Internal Standard Fail	JC/MD	ReRun
39	Q2236-13	WC-A2-06-G	VX046554.D	07 Jun 2025 04:09		JC/MD	Ok
40	Q2236-17	WC-A2-07-G	VX046555.D	07 Jun 2025 04:31	Internal Standard Fail; Surrogate fail	JC/MD	ReRun
41	Q2227-04	TP07-MHH-WC	VX046556.D	07 Jun 2025 04:52		JC/MD	Ok,M
42	Q2228-04	TP08-MHI-WC	VX046557.D	07 Jun 2025 05:14	Internal Standard Fail	JC/MD	ReRun
43	Q2235-01	WC-A2-08-G	VX046558.D	07 Jun 2025 05:36	Internal Standard Fail	JC/MD	ReRun
44	Q2240-04	TP-3	VX046559.D	07 Jun 2025 05:57	Internal Standard Fail	JC/MD	ReRun
45	Q2240-08	TP-2	VX046560.D	07 Jun 2025 06:18	Internal Standard Fail	JC/MD	ReRun
46	Q2240-12	TP-1	VX046561.D	07 Jun 2025 06:40	Internal Standard Fail	JC/MD	ReRun
47	Q2241-04	TP-N	VX046562.D	07 Jun 2025 07:01	Internal Standard Fail	JC/MD	ReRun
48	Q2241-08	TP-S	VX046563.D	07 Jun 2025 07:23	Internal Standard Fail	JC/MD	ReRun
49	Q2226-04	TP06-MHI-WC	VX046564.D	07 Jun 2025 07:44	Internal Standard Fail	JC/MD	ReRun
50	VSTDCCC050	VSTDCCC050EC	VX046565.D	07 Jun 2025 08:06		JC/MD	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB168312

SOP ID : M1311-TCLP-16

SDG No : N/A

Weigh By : JP

Balance ID : WC SC-7

pH Meter ID : WC PH METER-1

Extraction By : JP

Filter By : JP

Pippete ID : WC

Tumbler ID : ZHE-1 / ZHE-2

TCLP Filter ID : 50223706

Start Prep Date : 06/05/2025 **Time :** 15:00

End Prep Date : 06/06/2025 **Time :** 09:20

Combination Ratio : 20

ZHE Cleaning Batch : ~~N/A~~ 28

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : 12

Standared Name	MLS USED	STD REF. # FROM LOG
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE U	Lot Number
TCLP-FLUID-1	N/A	WP112795
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
40ml VOA Vials	430992	N/A

Extraction Conformance/Non-Conformance Comments:

ALL ZHE SAMPLES ARE EXTRACTED AND GIVEN AS VIAL A & B. Leak checked after 10 minutes of tumbling.
TUMBLER ZHE-1 /ZHE-2 checked,30 rpm

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
06/06/25 11:30	JP TCLP Room	S.Y VOC Lab
	Preparation Group	Analysis Group

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TCLP EXTRACTION LOGPAGE

PB168312

Sample ID	ClientID	ZHE Vessel ID	Sample Wt (g)	Volume Extraction Fluid #1 (mL)	Multi phasic	Phase Miscible	Phases Combined	Final Leachate PH	Metals Leachate Adj. PH	Prep Pos
PB168312TB	LEB312	15	N/A	500	N/A	N/A	N/A	4.93	N/A	ZHE-2
Q2226-04	TP06-MHI-WC	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2227-04	TP07-MHH-WC	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2228-04	TP08-MHI-WC	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2235-01	WC-A2-08-G	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-01	WC-A4-05A-G	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-05	WC-A2-04-G	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-09	WC-A2-05-G	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-13	WC-A2-06-G	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2236-17	WC-A2-07-G	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-04	TP-3	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-08	TP-2	10	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2240-12	TP-1	11	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2241-04	TP-N	12	25.01	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2241-08	TP-S	13	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-2
Q2242-04	TP09-MHJ	14	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-2

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TCLP Solid Determination

PB168312

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168312TB	LEB312	N/A	N/A	N/A	N/A	N/A	N/A
Q2226-04	TP06-MHI-WC	N/A	N/A	N/A	N/A	100	N/A
Q2227-04	TP07-MHH-WC	N/A	N/A	N/A	N/A	100	N/A
Q2228-04	TP08-MHI-WC	N/A	N/A	N/A	N/A	100	N/A
Q2235-01	WC-A2-08-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-01	WC-A4-05A-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-05	WC-A2-04-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-09	WC-A2-05-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-13	WC-A2-06-G	N/A	N/A	N/A	N/A	100	N/A
Q2236-17	WC-A2-07-G	N/A	N/A	N/A	N/A	100	N/A
Q2240-04	TP-3	N/A	N/A	N/A	N/A	100	N/A
Q2240-08	TP-2	N/A	N/A	N/A	N/A	100	N/A
Q2240-12	TP-1	N/A	N/A	N/A	N/A	100	N/A
Q2241-04	TP-N	N/A	N/A	N/A	N/A	100	N/A
Q2241-08	TP-S	N/A	N/A	N/A	N/A	100	N/A
Q2242-04	TP09-MHJ	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2235 **WorkList ID :** 189979 **Department :** TCLP Extraction **Date :** 06-05-2025 13:54:45

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2226-04	TP06-MHI-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N42	06/04/2025	1311 ZHE
Q2227-04	TP07-MHH-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/03/2025	1311 ZHE
Q2228-04	TP08-MHI-WC	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/04/2025	1311 ZHE
Q2235-01	WC-A2-08-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N41	06/04/2025	1311 ZHE
Q2236-01	WC-A4-05A-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-05	WC-A2-04-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-09	WC-A2-05-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-13	WC-A2-06-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2236-17	WC-A2-07-G	Solid	TCLP ZHE Extraction	Cool 4 deg C	ENTA05	N31	06/04/2025	1311 ZHE
Q2240-04	TP-3	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2240-08	TP-2	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2240-12	TP-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/04/2025	1311 ZHE
Q2241-04	TP-N	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N31	06/05/2025	1311 ZHE
Q2241-08	TP-S	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/05/2025	1311 ZHE
Q2242-04	TP09-MHJ	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	N41	06/05/2025	1311 ZHE
						L21	06/05/2025	1311 ZHE

Date/Time 06105125 14:10
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

Date/Time 06105125 18:00
Raw Sample Received by: [illegible]
Raw Sample Relinquished by: [illegible]

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: Q2236

COC Number: 2042113

CLIENT INFORMATION

COMPANY: **ENTACT, LLC**
ADDRESS: **150 Bay Street, Suite 806**
CITY: **Jersey City** STATE: **NJ** ZIP: **07302**
ATTENTION: **Austin Farmerie**
PHONE: **412-716-1366** FAX:

PROJECT INFORMATION

PROJECT NAME: **540 Degraw St Brooklyn, NY**
PROJECT #: **E9309** LOCATION: **Brooklyn, NY**
PROJECT MANAGER: Austin Farmerie
E-MAIL: **afarmerie@entact.com**
PHONE: **412-716-1366** FAX:

BILLING INFORMATION

BILL TO: **ENTACT, LLC** PO# **E9309**
ADDRESS: **999 Oakmont Plaza Drive, Suite 300**
CITY: **Westmont** STATE: **IL** ZIP: **60559**
ATTENTION: **Wendy Murray** PHONE: **800-936-8228**

DATA TURNAROUND INFORMATION

FAX: 3 DAYS*
HARD COPY: DAYS*
EDD 3 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
- ☐ USEPA CLP
- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

1	2	3	4	5	6	7	8	9
TCLP VOCs	TCLP ICP Metals +Cu, Ni, Zn	TCLP Herb	TCLP Pest	TCLP SVOCs	TCLP pH	I/C/R	PCBs	Oil & Grease

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.	WC-A4-05A-G	Soil		X	6/4	12:00	1	X									
2.	WC-A4-05A-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X	
3.	WC-A2-04-G	Soil		X	6/4	12:00	1	X									
4.	WC-A2-04-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X	
5.	WC-A2-05-G	Soil		X	6/4	12:00	1	X									
6.	WC-A2-05-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X	
7.	WC-A2-06-G	Soil		X	6/4	12:00	1	X									
8.	WC-A2-06-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X	
9.	WC-A2-07-G	Soil		X	6/4	12:00	1	X									
10.	WC-A2-07-C	Soil	X		6/4	12:00	11		X	X	X	X	X	X	X	X	

<-- 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. **Austin Farmerie**	6/4 **11:00**	1. 1655 6.4.25
RELINQUISHED BY	DATE/TIME	RECEIVED BY
2.		2.
RELINQUISHED BY	DATE/TIME	RECEIVED FOR LAB BY
3.	1830 6-4-25	3.

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.4°C ☐ 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

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Alliance Project Number: Q2236

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COMPANY: ENTACT, LLC
ADDRESS: 150 Bay Street, Suite 806
CITY Jersey City STATE: NJ ZIP: 07302
ATTENTION: Austin Farmerie
PHONE: 412-716-1366 FAX:

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E-MAIL: afarmerie@entact.com
PHONE: 412-716-1366 FAX:

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BILL TO: ENTACT, LLC PO# E9309
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CITY: Westmont STATE: IL ZIP: 60559
ATTENTION: Wendy Murray PHONE: 800-936-8228

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- ☐ New York State ASP "B"
- ☐ New York State ASP "A"
- ☐ Other
- ☐ EDD Format

ANALYSIS

10	11	12	13	14	15	16		
ASTM COD	ASTM Ammonia Nitrogen	ASTM O&G	ASTM TS	TS, TVS	pH	Paint Filter		

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
								E	E	E	E	E	E	E			<-- Specify Preservatives A-HCl B-HNO3 C-H2SO4 D-NaOH E-ICE F-Other
1.	WC-A4-05A-G	Soil		X	5/6	12:00	1										
2.	WC-A4-05A-C	Soil	X		5/6	12:00	11	X	X	X	X	X	X	X			
3.	WC-A2-04-G	Soil		X	5/7	12:00	1										
4.	WC-A2-04-C	Soil	X		5/7	12:00	11	X	X	X	X	X	X	X			
5.	WC-A2-05-G	Soil		X	5/8	12:00	1										
6.	WC-A2-05-C	Soil	X		5/8	12:00	11	X	X	X	X	X	X	X			
7.	WC-A2-06-G	Soil		X	5/8	12:00	1										
8.	WC-A2-06-C	Soil	X		5/8	12:00	11	X	X	X	X	X	X	X			
9.	WC-A2-07-G	Soil		X	5/8	12:00	1										
10.	WC-A2-07-C	Soil	X		5/8	12:00	11	X	X	X	X	X	X	X			

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

	DATE/TIME		
RELINQUISHED BY SAMPLER 1. Austin Farmerie	6.4.25 1655	RECEIVED BY 1.	6.4.25 1655
RELINQUISHED BY 2.	DATE/TIME	RECEIVED BY 2.	
RELINQUISHED BY 3.	DATE/TIME 6.4.25 1830	RECEIVED FOR LAB BY 3.	

Conditions of bottles or coolers at receipt: ☐ Compliant ☐ Non Compliant ☐ Cooler Temp 4.4°C ☐ Ice in Cooler?:

Comments:

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

Laboratory Certification

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

QA Control Code: A2070148