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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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LAB CHRONICLE

OrderID:	Q2487	**OrderDate:**	7/2/2025 10:05:00 AM
Client:	Walsh Construction Company II, LLC	**Project:**	Construction of Shafts 17B-18B - PN 220084
Contact:	Jesse A. Sylvestri	**Location:**	A22,A53,VOA Ref. #2 Soil

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2487-01	**G4(1.5)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-02	**G4(10)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-03	**G3(9)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-04	**G3(3)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-05	**G2(2.5)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/02/25	
Q2487-05RE	**G2(2.5)RE**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-06	**G2(9)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-07	**G1(4.5)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/03/25	
Q2487-07RE	**G1(4.5)RE**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/07/25	
Q2487-08	**G1(10)**	**SOIL**			**07/01/25**			**07/01/25**
			VOC-TCLVOA-10	8260D			07/07/25	
Q2487-17	**G4(1.5)**	**TCLP**			**07/01/25**			**07/01/25**
			TCLP VOA	8260D			07/03/25	
Q2487-18	**G4(10)**	**TCLP**			**07/01/25**			**07/01/25**

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LAB CHRONICLE

			TCLP VOA	8260D		07/03/25	
Q2487-19	**G3(9)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/03/25	
Q2487-20	**G3(3)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/07/25	
Q2487-21	**G2(2.5)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/07/25	
Q2487-22	**G2(9)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/07/25	
Q2487-23	**G1(10)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/07/25	
Q2487-24	**G1(4.5)**	**TCLP**			**07/01/25**		**07/01/25**
			TCLP VOA	8260D		07/07/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**G4(1.5)**							
Q2487-17	G4(1.5)	TCLP	2-Butanone	6.40	J	0.98	25.0	ug/L
			Total Voc :	6.40				
			Total Concentration:	6.40				
Client ID:	**G4(10)**							
Q2487-18	G4(10)	TCLP	2-Butanone	12.6	J	0.98	25.0	ug/L
			Total Voc :	12.6				
			Total Concentration:	12.6				
Client ID:	**G3(9)**							
Q2487-19	G3(9)	TCLP	2-Butanone	11.8	J	0.98	25.0	ug/L
			Total Voc :	11.8				
			Total Concentration:	11.8				
Client ID:	**G3(3)**							
Q2487-20	G3(3)	TCLP	2-Butanone	7.20	J	0.98	25.0	ug/L
			Total Voc :	7.20				
			Total Concentration:	7.20				
Client ID:	**G2(2.5)**							
Q2487-21	G2(2.5)	TCLP	2-Butanone	5.60	J	0.98	25.0	ug/L
			Total Voc :	5.60				
			Total Concentration:	5.60				
Client ID:	**G2(9)**							
Q2487-22	G2(9)	TCLP	2-Butanone	10.7	J	0.98	25.0	ug/L
			Total Voc :	10.7				
			Total Concentration:	10.7				
Client ID:	**G1(10)**							
Q2487-23	G1(10)	TCLP	2-Butanone	18.9	J	0.98	25.0	ug/L
			Total Voc :	18.9				
			Total Concentration:	18.9				
Client ID:	**G1(4.5)**							
Q2487-24	G1(4.5)	TCLP	2-Butanone	12.0	J	0.98	25.0	ug/L
			Total Voc :	12.0				
			Total Concentration:	12.0				

QC SUMMARY

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Surrogate Summary

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	High
Q2487-17	G4(1.5)	1,2-Dichloroethane-d4	50	60.6	121		74	125
		Dibromofluoromethane	50	53.1	106		75	124
		Toluene-d8	50	50.8	102		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121
Q2487-18	G4(10)	1,2-Dichloroethane-d4	50	61.7	123		74	125
		Dibromofluoromethane	50	53.8	108		75	124
		Toluene-d8	50	51.3	103		86	113
		4-Bromofluorobenzene	50	50.0	100		77	121
Q2487-19	G3(9)	1,2-Dichloroethane-d4	50	59.9	120		74	125
		Dibromofluoromethane	50	53.5	107		75	124
		Toluene-d8	50	51.3	102		86	113
		4-Bromofluorobenzene	50	48.7	97		77	121
Q2487-20	G3(3)	1,2-Dichloroethane-d4	50	55.9	112		74	125
		Dibromofluoromethane	50	52.4	105		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	46.5	93		77	121
Q2487-21	G2(2.5)	1,2-Dichloroethane-d4	50	57.9	116		74	125
		Dibromofluoromethane	50	52.1	104		75	124
		Toluene-d8	50	49.9	100		86	113
		4-Bromofluorobenzene	50	47.4	95		77	121
Q2487-22	G2(9)	1,2-Dichloroethane-d4	50	59.2	118		74	125
		Dibromofluoromethane	50	53.2	106		75	124
		Toluene-d8	50	50.4	101		86	113
		4-Bromofluorobenzene	50	48.4	97		77	121
Q2487-23	G1(10)	1,2-Dichloroethane-d4	50	59.5	119		74	125
		Dibromofluoromethane	50	53.4	107		75	124
		Toluene-d8	50	50.5	101		86	113
		4-Bromofluorobenzene	50	47.9	96		77	121
Q2487-24	G1(4.5)	1,2-Dichloroethane-d4	50	58.6	117		74	125
		Dibromofluoromethane	50	53.8	108		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	49.0	98		77	121
VN0703WBL01	VN0703WBL01	1,2-Dichloroethane-d4	50	58.7	117		74	125
		Dibromofluoromethane	50	52.5	105		75	124
		Toluene-d8	50	48.7	97		86	113
		4-Bromofluorobenzene	50	45.6	91		77	121
VN0703WBS01	VN0703WBS01	1,2-Dichloroethane-d4	50	48.8	98		74	125
		Dibromofluoromethane	50	48.6	97		75	124
		Toluene-d8	50	47.6	95		86	113
		4-Bromofluorobenzene	50	46.6	93		77	121
VN0703WBSD0	VN0703WBSD01	1,2-Dichloroethane-d4	50	51.6	103		74	125
		Dibromofluoromethane	50	49.8	100		75	124
		Toluene-d8	50	47.7	95		86	113
		4-Bromofluorobenzene	50	48.2	96		77	121
VN0707WBL01	VN0707WBL01	1,2-Dichloroethane-d4	50	56.3	113		74	125
		Dibromofluoromethane	50	52.1	104		75	124
		Toluene-d8	50	48.7	97		86	113
		4-Bromofluorobenzene	50	45.2	90		77	121
VN0707WBS02	VN0707WBS02	1,2-Dichloroethane-d4	50	48.6	97		74	125
		Dibromofluoromethane	50	49.4	99		75	124

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Surrogate Summary

SDG No.: Q2487

Client: Walsh Construction Company II, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VN0707WBS02	VN0707WBS02	Toluene-d8	50	46.9	94		86	113
		4-Bromofluorobenzene	50	46.8	94		77	121

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487 **Analytical Method:** SW8260D

Client: Walsh Construction Company II, LLC **Datafile :** VN087263.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0703WBS01	Vinyl chloride	20	18.8	ug/L	94			65	117	
	1,1-Dichloroethene	20	18.5	ug/L	93			74	110	
	2-Butanone	100	89.1	ug/L	89			65	122	
	Carbon Tetrachloride	20	17.9	ug/L	90			77	113	
	Chloroform	20	17.8	ug/L	89			79	113	
	Benzene	20	17.2	ug/L	86			82	109	
	1,2-Dichloroethane	20	17.4	ug/L	87			80	115	
	Trichloroethene	20	17.5	ug/L	88			77	113	
	Tetrachloroethene	20	17.8	ug/L	89			67	123	
	Chlorobenzene	20	17.8	ug/L	89			82	109	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487 **Analytical Method:** SW8260D

Client: Walsh Construction Company II, LLC **Datafile :** VN087264.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0703WBSD01	Vinyl chloride	20	19.7	ug/L	99	5		65	117	19
	1,1-Dichloroethene	20	18.8	ug/L	94	1		74	110	20
	2-Butanone	100	98.2	ug/L	98	10		65	122	26
	Carbon Tetrachloride	20	18.1	ug/L	91	1		77	113	15
	Chloroform	20	18.8	ug/L	94	5		79	113	20
	Benzene	20	17.5	ug/L	88	2		82	109	15
	1,2-Dichloroethane	20	19.5	ug/L	98	12		80	115	20
	Trichloroethene	20	17.3	ug/L	86	2		77	113	15
	Tetrachloroethene	20	17.9	ug/L	90	1		67	123	15
	Chlorobenzene	20	17.9	ug/L	90	1		82	109	15

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2487 **Analytical Method:** SW8260D

Client: Walsh Construction Company II, LLC **Datafile :** VN087286.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0707WBS02	Vinyl chloride	20	18.5	ug/L	93			65	117	
	1,1-Dichloroethene	20	18.4	ug/L	92			74	110	
	2-Butanone	100	94.8	ug/L	95			65	122	
	Carbon Tetrachloride	20	18.1	ug/L	91			77	113	
	Chloroform	20	18.4	ug/L	92			79	113	
	Benzene	20	17.1	ug/L	86			82	109	
	1,2-Dichloroethane	20	18.2	ug/L	91			80	115	
	Trichloroethene	20	18.1	ug/L	91			77	113	
	Tetrachloroethene	20	17.8	ug/L	89			67	123	
	Chlorobenzene	20	17.1	ug/L	86			82	109	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0703WBL01

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2487

Lab File ID: VN087262.D | Lab Sample ID: VN0703WBL01

Date Analyzed: 07/03/2025 | Time Analyzed: 11:44

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
VN0703WBS01	VN0703WBS01	VN087263.D	07/03/2025
VN0703WBSD01	VN0703WBSD01	VN087264.D	07/03/2025
G4(1.5)	Q2487-17	VN087276.D	07/03/2025
G4(10)	Q2487-18	VN087277.D	07/03/2025
G3(9)	Q2487-19	VN087278.D	07/03/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0707WBL01

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2487

Lab File ID: VN087284.D | Lab Sample ID: VN0707WBL01

Date Analyzed: 07/07/2025 | Time Analyzed: 10:45

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
VN0707WBS02	VN0707WBS02	VN087286.D	07/07/2025
G3(3)	Q2487-20	VN087287.D	07/07/2025
G2(2.5)	Q2487-21	VN087288.D	07/07/2025
G2(9)	Q2487-22	VN087289.D	07/07/2025
G1(10)	Q2487-23	VN087290.D	07/07/2025
G1(4.5)	Q2487-24	VN087291.D	07/07/2025

COMMENTS:

Raw Data: **VN087234.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2487

Lab File ID: VN087234.D | BFB Injection Date: 06/30/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:26

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	17.5
75	30.0 - 60.0% of mass 95	52.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.8 (0.9) 1
174	50.0 - 100.0% of mass 95	82.7
175	5.0 - 9.0% of mass 174	6.5 (7.9) 1
176	95.0 - 101.0% of mass 174	80.4 (97.2) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087238.D	06/30/2025	12:28
VSTDICC005	VSTDICC005	VN087239.D	06/30/2025	13:26
VSTDICC020	VSTDICC020	VN087240.D	06/30/2025	13:47
VSTDICCC050	VSTDICCC050	VN087241.D	06/30/2025	14:09
VSTDICC100	VSTDICC100	VN087242.D	06/30/2025	14:30
VSTDICC150	VSTDICC150	VN087243.D	06/30/2025	14:51

Raw Data: **VN087259.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2487

Lab File ID: VN087259.D | BFB Injection Date: 07/03/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:17

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	17.4
75	30.0 - 60.0% of mass 95	48.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.4) 1
174	50.0 - 100.0% of mass 95	79
175	5.0 - 9.0% of mass 174	6.2 (7.9) 1
176	95.0 - 101.0% of mass 174	75.6 (95.6) 1
177	5.0 - 9.0% of mass 176	4.5 (6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087260.D	07/03/2025	10:50
VN0703WBL01	VN0703WBL01	VN087262.D	07/03/2025	11:44
VN0703WBS01	VN0703WBS01	VN087263.D	07/03/2025	12:05
VN0703WBSD01	VN0703WBSD01	VN087264.D	07/03/2025	12:39
G4(1.5)	Q2487-17	VN087276.D	07/03/2025	16:52
G4(10)	Q2487-18	VN087277.D	07/03/2025	17:13
G3(9)	Q2487-19	VN087278.D	07/03/2025	17:35

Raw Data: **VN087281.D**

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG NO.: Q2487

Lab File ID: VN087281.D | BFB Injection Date: 07/07/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:41

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	16.6
75	30.0 - 60.0% of mass 95	47.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	81.6
175	5.0 - 9.0% of mass 174	6.2 (7.6) 1
176	95.0 - 101.0% of mass 174	80.3 (98.5) 1
177	5.0 - 9.0% of mass 176	5.7 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087282.D	07/07/2025	09:48
VN0707WBL01	VN0707WBL01	VN087284.D	07/07/2025	10:45
VN0707WBS02	VN0707WBS02	VN087286.D	07/07/2025	11:41
G3(3)	Q2487-20	VN087287.D	07/07/2025	12:02
G2(2.5)	Q2487-21	VN087288.D	07/07/2025	12:23
G2(9)	Q2487-22	VN087289.D	07/07/2025	12:44
G1(10)	Q2487-23	VN087290.D	07/07/2025	13:05
G1(4.5)	Q2487-24	VN087291.D	07/07/2025	13:26

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: WALS01

Lab Code: ACE SDG NO.: Q2487

Lab File ID: VN087260.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:50

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	241822	8.23	395302	9.11	360882	11.87
UPPER LIMIT	483644	8.729	790604	9.606	721764	12.365
LOWER LIMIT	120911	7.729	197651	8.606	180441	11.365
EPA SAMPLE NO.						
G4(1.5)	179908	8.24	349516	9.11	347283	11.87
G4(10)	180816	8.24	355191	9.11	356558	11.87
G3(9)	180750	8.23	348767	9.11	343098	11.87
VN0703WBL01	197279	8.23	379432	9.11	350668	11.87
VN0703WBS01	227972	8.23	381904	9.11	348191	11.87
VN0703WBSD01	210099	8.23	355057	9.11	330452	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: Alliance Contract: WALS01

Lab Code: ACE SDG NO.: Q2487

Lab File ID: VN087260.D Date Analyzed: 07/03/2025

Instrument ID: MSVOA_N Time Analyzed: 10:50

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

	IS4 AREA #	RT #				
12 HOUR STD	212674	13.788				
UPPER LIMIT	425348	14.288				
LOWER LIMIT	106337	13.288				
EPA SAMPLE NO.						
G4(1.5)	162292	13.79				
G4(10)	167009	13.79				
G3(9)	162048	13.79				
VN0703WBL01	171520	13.79				
VN0703WBS01	190045	13.79				
VN0703WBSD01	180696	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: Alliance Contract: WALS01

Lab Code: ACE SDG NO.: Q2487

Lab File ID: VN087282.D Date Analyzed: 07/07/2025

Instrument ID: MSVOA_N Time Analyzed: 09:48

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	253960	8.23	391455	9.11	371947	11.87
UPPER LIMIT	507920	8.73	782910	9.606	743894	12.365
LOWER LIMIT	126980	7.73	195728	8.606	185974	11.365
EPA SAMPLE NO.						
G3(3)	178305	8.23	333547	9.11	319292	11.87
G2(2.5)	229669	8.23	438833	9.11	427268	11.87
G2(9)	193002	8.23	368733	9.11	358573	11.87
G1(10)	180189	8.23	346519	9.11	337646	11.87
G1(4.5)	183726	8.24	344094	9.11	347071	11.87
VN0707WBL01	183454	8.23	339704	9.11	317463	11.87
VN0707WBS02	214445	8.23	354114	9.11	330344	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: Alliance Contract: WALS01

Lab Code: ACE SDG NO.: Q2487

Lab File ID: VN087282.D Date Analyzed: 07/07/2025

Instrument ID: MSVOA_N Time Analyzed: 09:48

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

	IS4 AREA #	RT #				
12 HOUR STD	217810	13.788				
UPPER LIMIT	435620	14.288				
LOWER LIMIT	108905	13.288				
EPA SAMPLE NO.						
G3(3)	147659	13.79				
G2(2.5)	202126	13.79				
G2(9)	170388	13.79				
G1(10)	160324	13.79				
G1(4.5)	162085	13.79				
VN0707WBL01	155374	13.79				
VN0707WBS02	176576	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.

SAMPLE DATA

Raw Data: **VN087276.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(1.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-17	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:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :	SW5035		

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087276.D	1	07/03/25 16:52	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	6.40	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.6		74 - 125	121%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.8		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.236			
540-36-3	1,4-Difluorobenzene	350000	9.106			
3114-55-4	Chlorobenzene-d5	347000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	162000	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\VN070325\
Data File : VN087276.D
Acq On : 03 Jul 2025 16:52
Operator : JC\MD
Sample : Q2487-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Quant Time: Jul 04 02:17:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

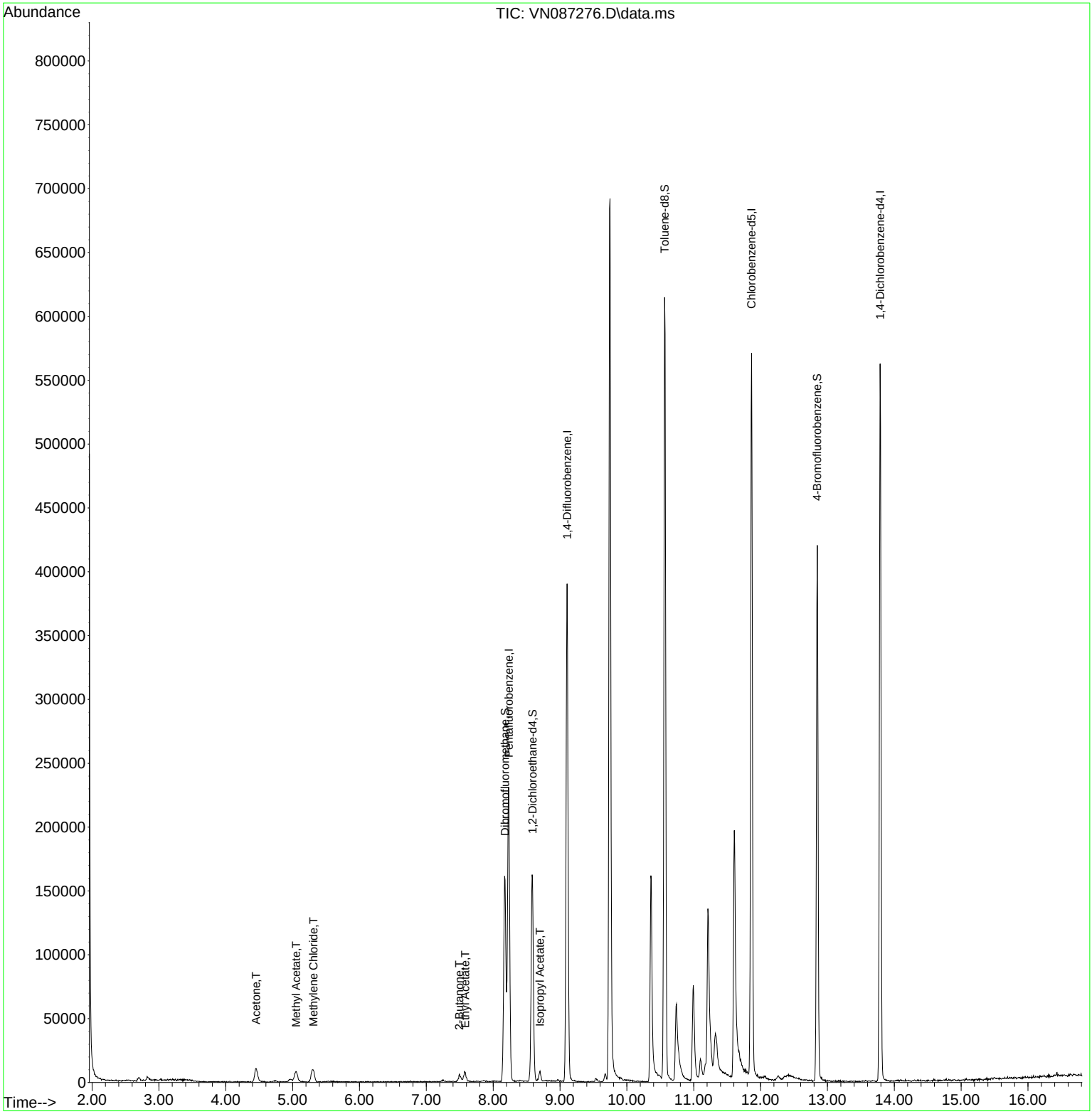
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	179908	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	349516	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347283	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162292	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	136869	60.617	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 121.240%			
35) Dibromofluoromethane	8.177	113	118753	53.063	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.120%			
50) Toluene-d8	10.565	98	442974	50.781	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.560%			
62) 4-Bromofluorobenzene	12.847	95	148809	47.944	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.880%			
Target Compounds						Qvalue
16) Acetone	4.454	43	21524	24.934	ug/l	99
18) Methyl Acetate	5.053	43	18159	9.189	ug/l	99
20) Methylene Chloride	5.312	84	9188	4.805	ug/l	96
25) 2-Butanone	7.494	43	8632	6.399	ug/l	97
37) Ethyl Acetate	7.583	43	12004	3.669	ug/l	99
43) Isopropyl Acetate	8.700	43	7988	1.574	ug/l #	91

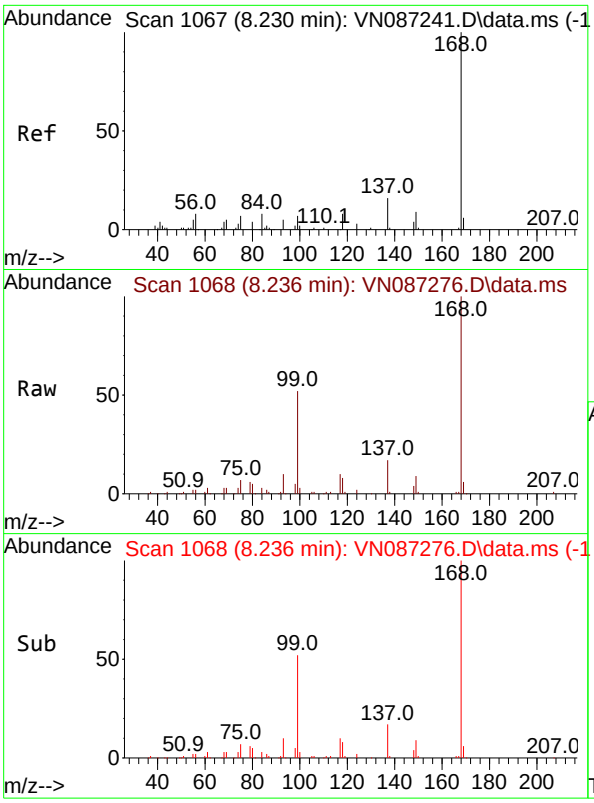
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087276.D
Acq On : 03 Jul 2025 16:52
Operator : JC\MD
Sample : Q2487-17
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Quant Time: Jul 04 02:17:39 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



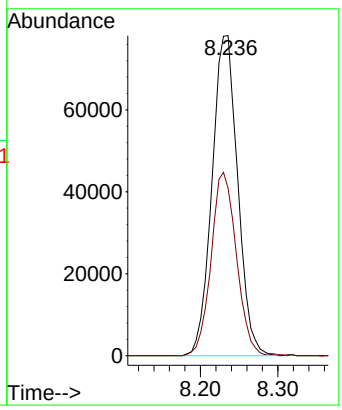


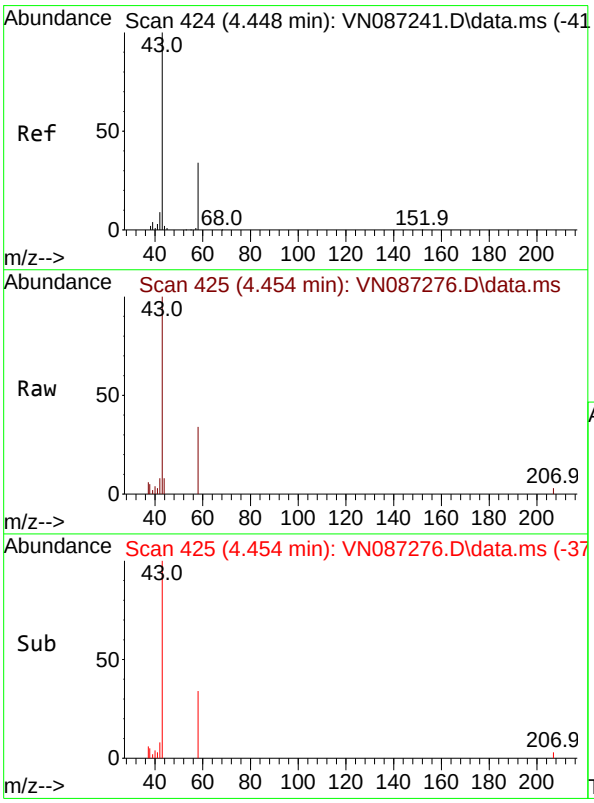
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion:168 Resp: 179908

Ion	Ratio	Lower	Upper
168	100		
99	52.3	42.6	64.0

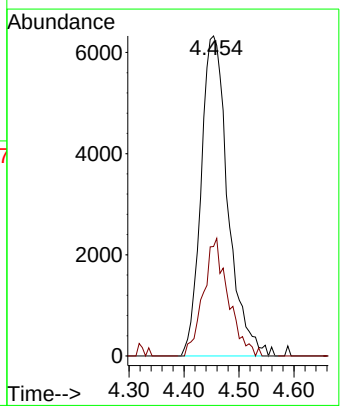


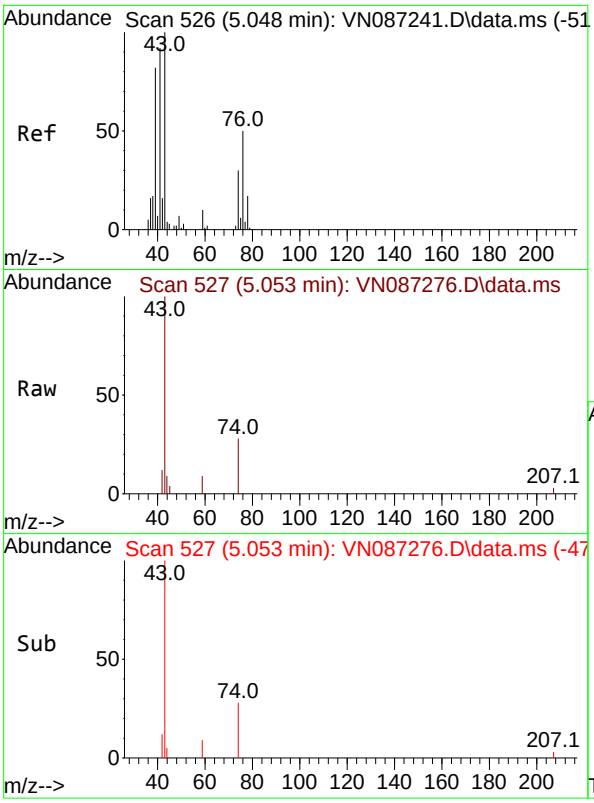


#16
Acetone
Concen: 24.934 ug/l
RT: 4.454 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 21524

Ion	Ratio	Lower	Upper
43	100		
58	34.2	27.1	40.7



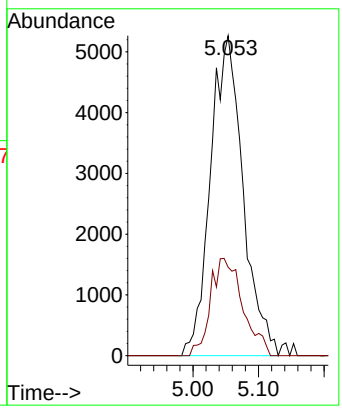


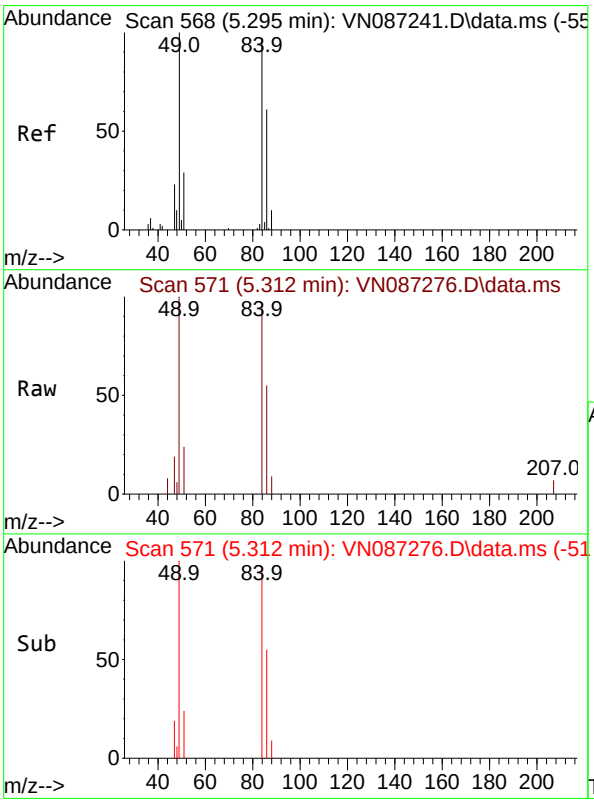
#18
Methyl Acetate
Concen: 9.189 ug/l
RT: 5.053 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion: 43 Resp: 18159

Ion	Ratio	Lower	Upper
43	100		
74	30.1	23.8	35.6

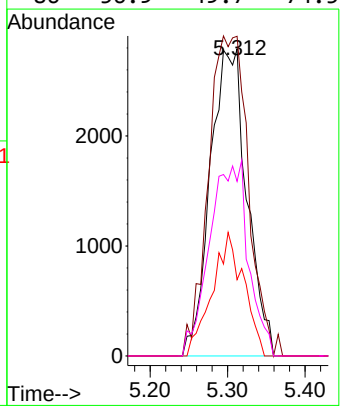


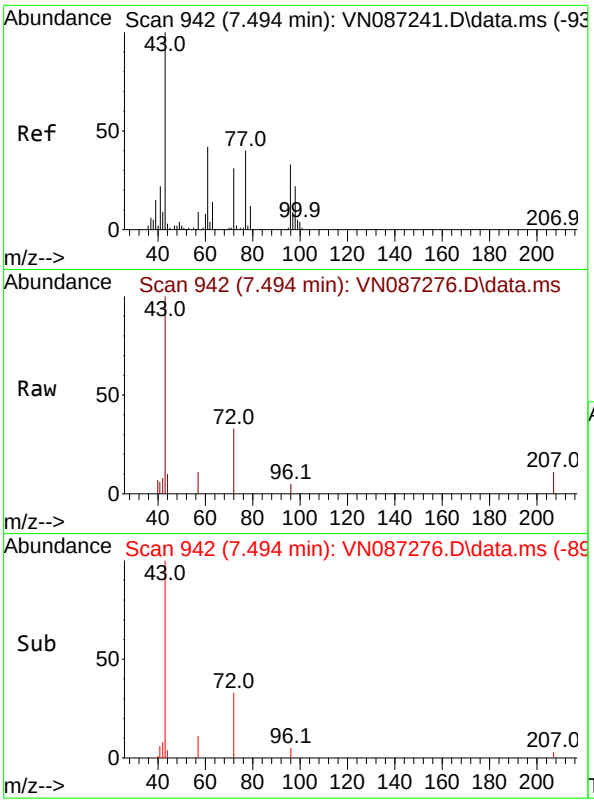


#20
Methylene Chloride
Concen: 4.805 ug/l
RT: 5.312 min Scan# 571
Delta R.T. 0.018 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 84 Resp: 9188

Ion	Ratio	Lower	Upper
84	100		
49	104.1	82.1	123.1
51	24.9	23.5	35.3
86	56.9	49.7	74.5



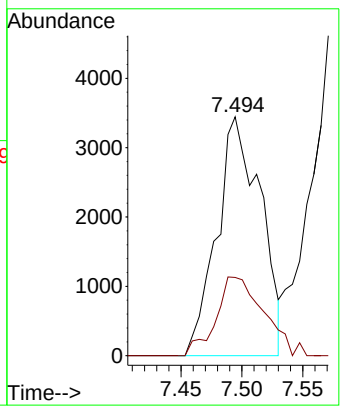


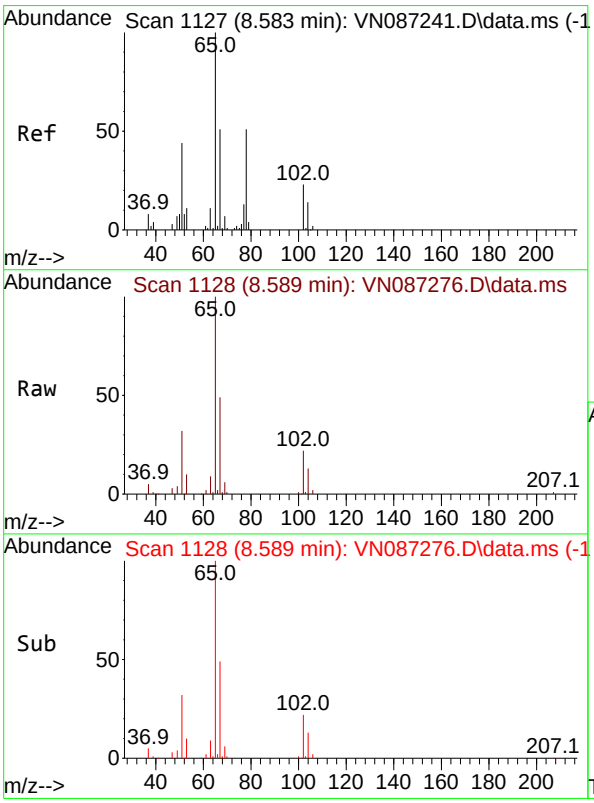
#25
2-Butanone
Concen: 6.399 ug/l
RT: 7.494 min Scan# 94
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion: 43 Resp: 8632

Ion	Ratio	Lower	Upper
43	100		
72	32.7	24.8	37.2

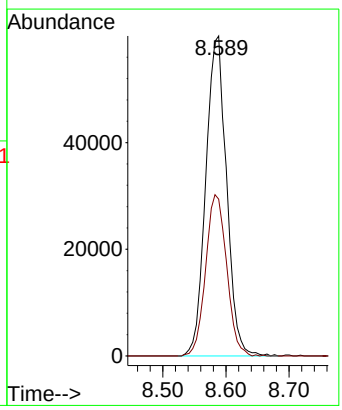


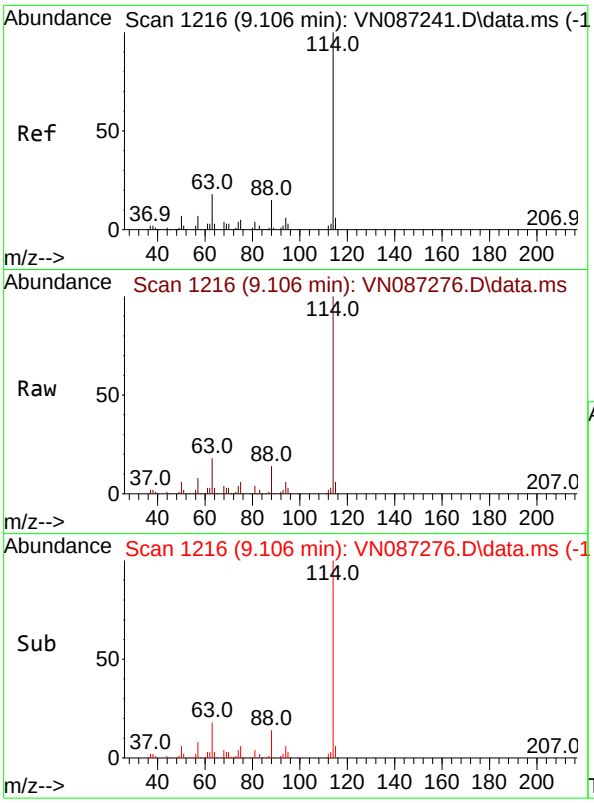


#33
1,2-Dichloroethane-d4
Concen: 60.617 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 65 Resp: 136869

Ion	Ratio	Lower	Upper
65	100		
67	51.1	0.0	102.6



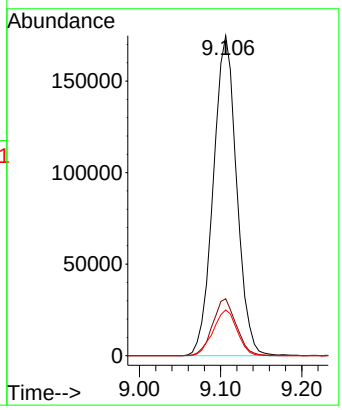


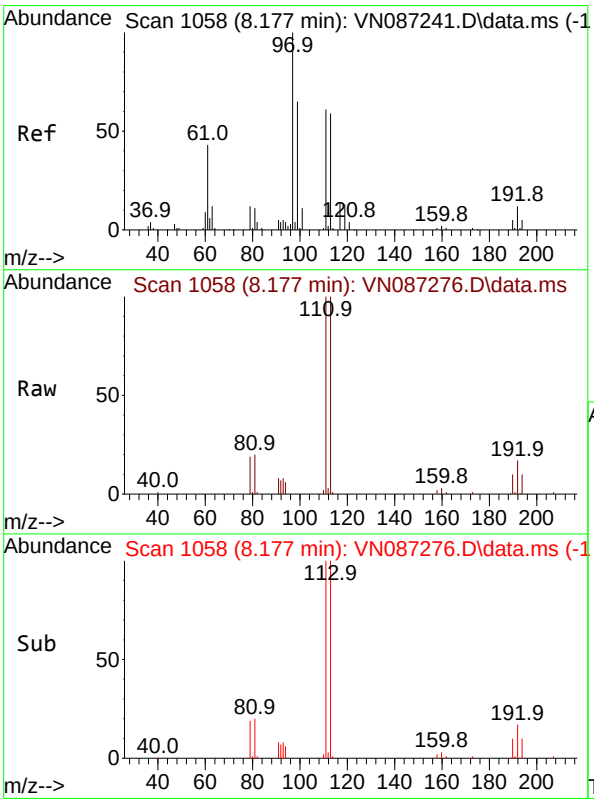
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion:114 Resp: 349516

Ion	Ratio	Lower	Upper
114	100		
63	17.8	0.0	36.6
88	14.3	0.0	29.6

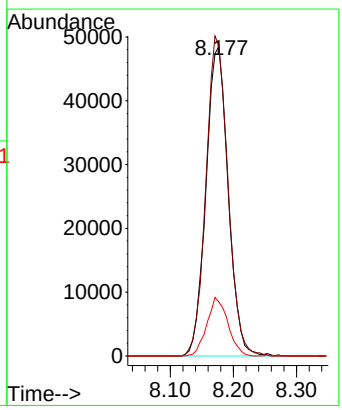


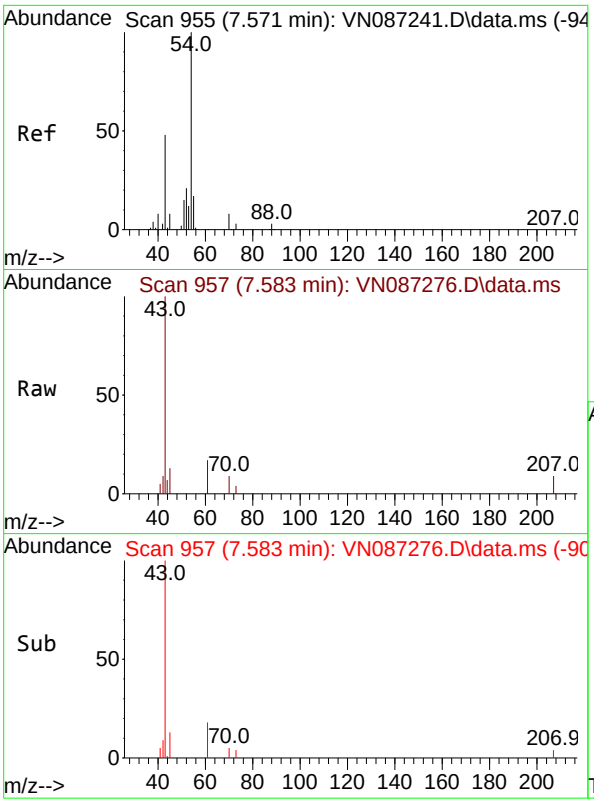


#35
Dibromofluoromethane
Concen: 53.063 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:113 Resp: 118753

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.4	122.2
192	17.9	15.1	22.7



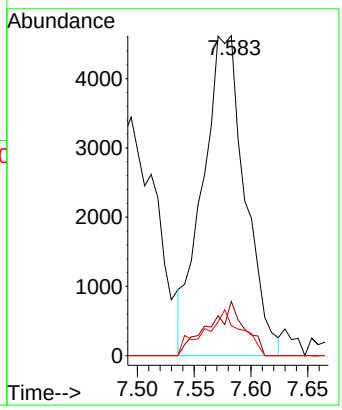


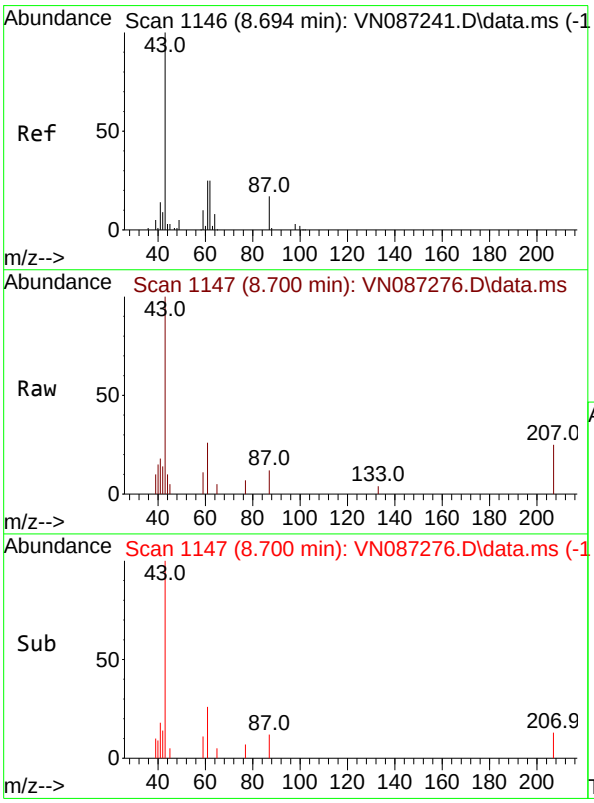
#37
Ethyl Acetate
Concen: 3.669 ug/l
RT: 7.583 min Scan# 9
Delta R.T. 0.012 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion: 43 Resp: 12004

Ion	Ratio	Lower	Upper
43	100		
61	14.3	11.3	16.9
70	12.7	9.9	14.9

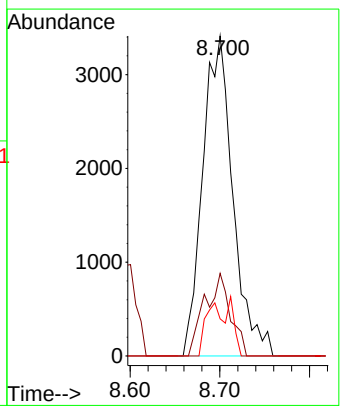


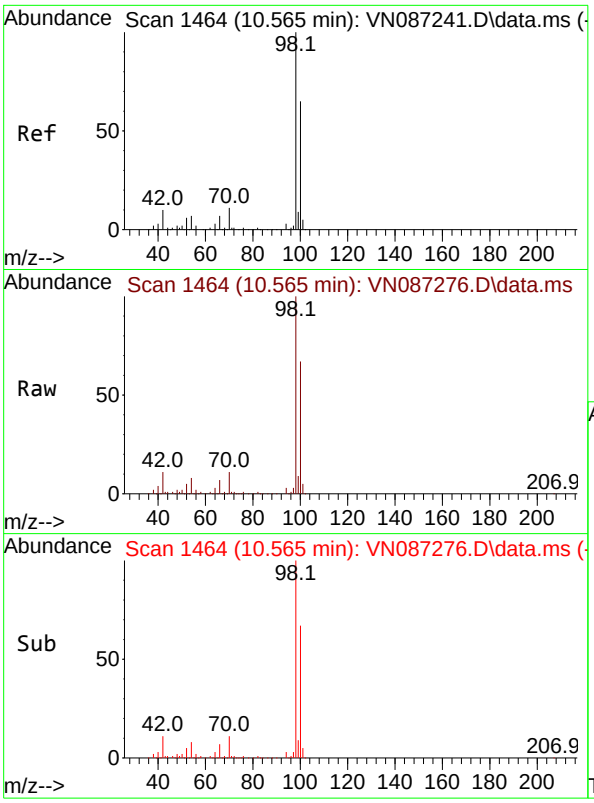


#43
Isopropyl Acetate
Concen: 1.574 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 43 Resp: 7988

Ion	Ratio	Lower	Upper
43	100		
61	21.9	22.4	33.6#
87	13.6	12.8	19.2



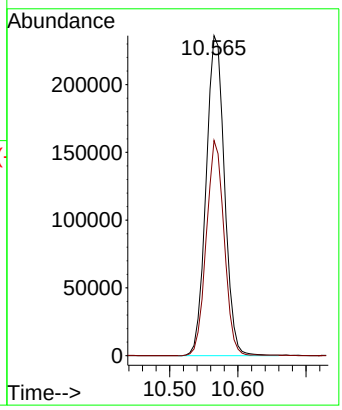


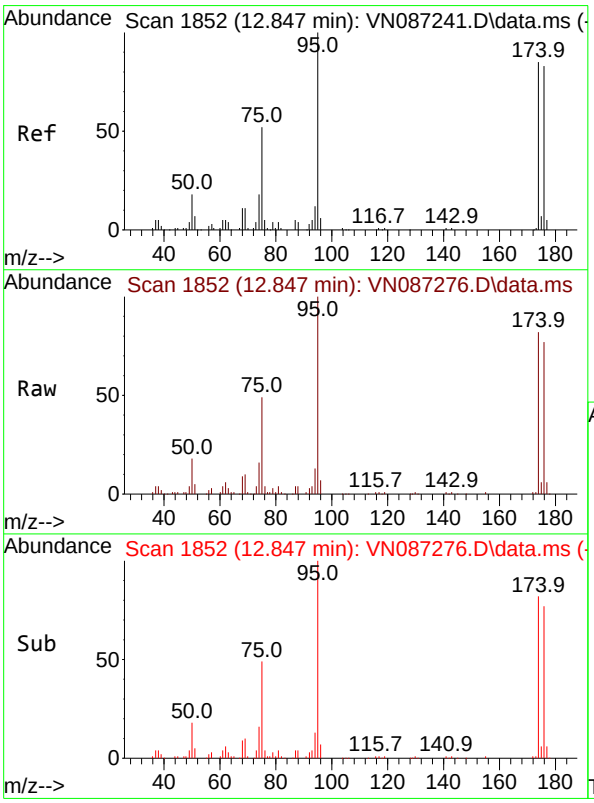
#50
Toluene-d8
Concen: 50.781 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion: 98 Resp: 442974

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.1	78.1

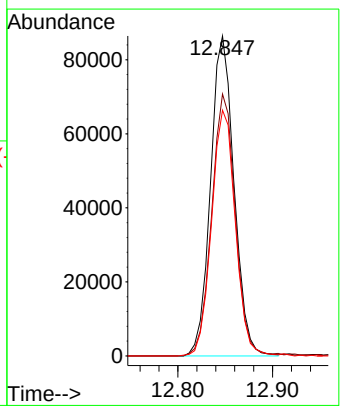


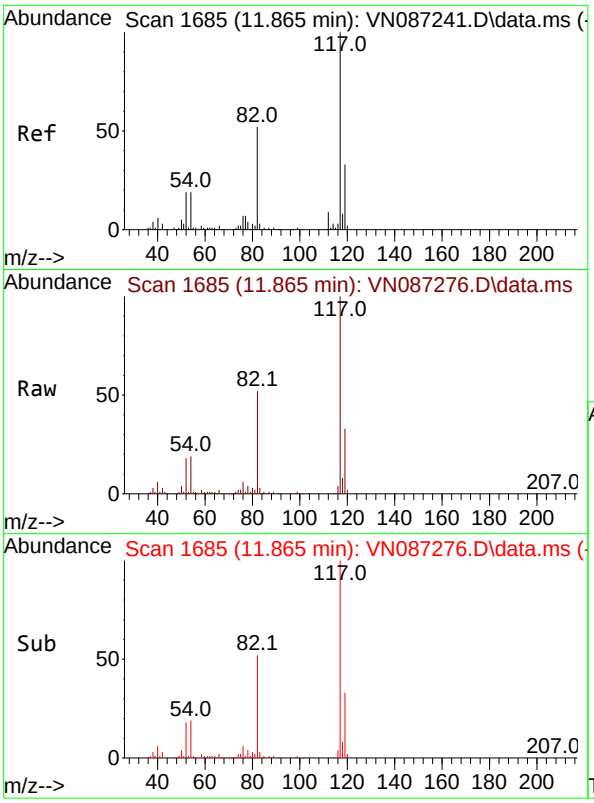


#62
4-Bromofluorobenzene
Concen: 47.944 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion: 95 Resp: 148809

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	169.6
176	78.0	0.0	161.6



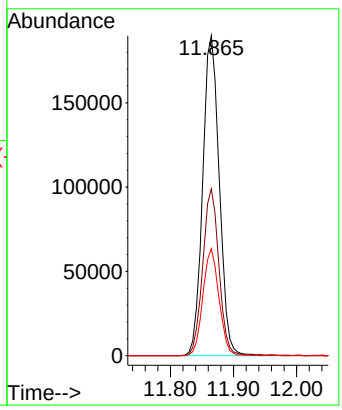


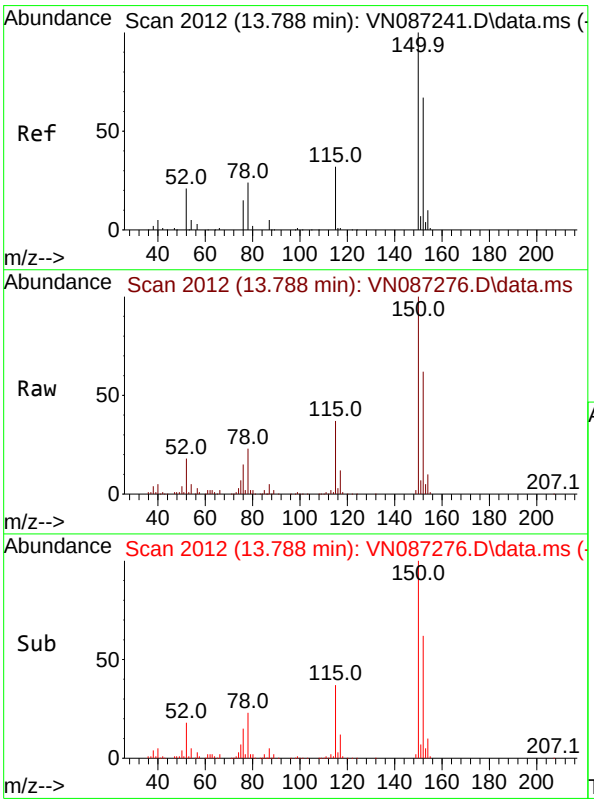
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Instrument :
MSVOA_N
ClientSampleId :
G4(1.5)

Tgt Ion:117 Resp: 347283

Ion	Ratio	Lower	Upper
117	100		
82	52.1	41.9	62.9
119	33.5	26.2	39.4

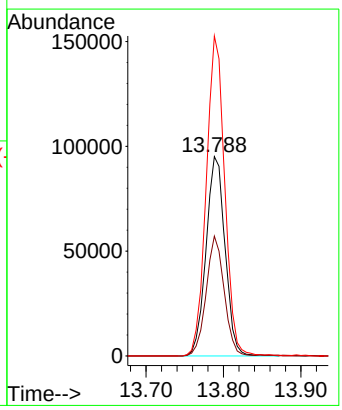




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087276.D
Acq: 03 Jul 2025 16:52

Tgt Ion:152 Resp: 162292

Ion	Ratio	Lower	Upper
152	100		
115	56.9	28.3	84.9
150	155.8	0.0	344.6



Raw Data: **VN087277.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G4(10)	SDG No.:	Q2487
Lab Sample ID:	Q2487-18	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:	Date Analyzed	Prep Batch ID
VN087277.D	1	07/03/25 17:13	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	12.6	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.7		74 - 125	123%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	51.3		86 - 113	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		77 - 121	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.235			
540-36-3	1,4-Difluorobenzene	355000	9.106			
3114-55-4	Chlorobenzene-d5	357000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	167000	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\VN070325\
Data File : VN087277.D
Acq On : 03 Jul 2025 17:13
Operator : JC\MD
Sample : Q2487-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Quant Time: Jul 04 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

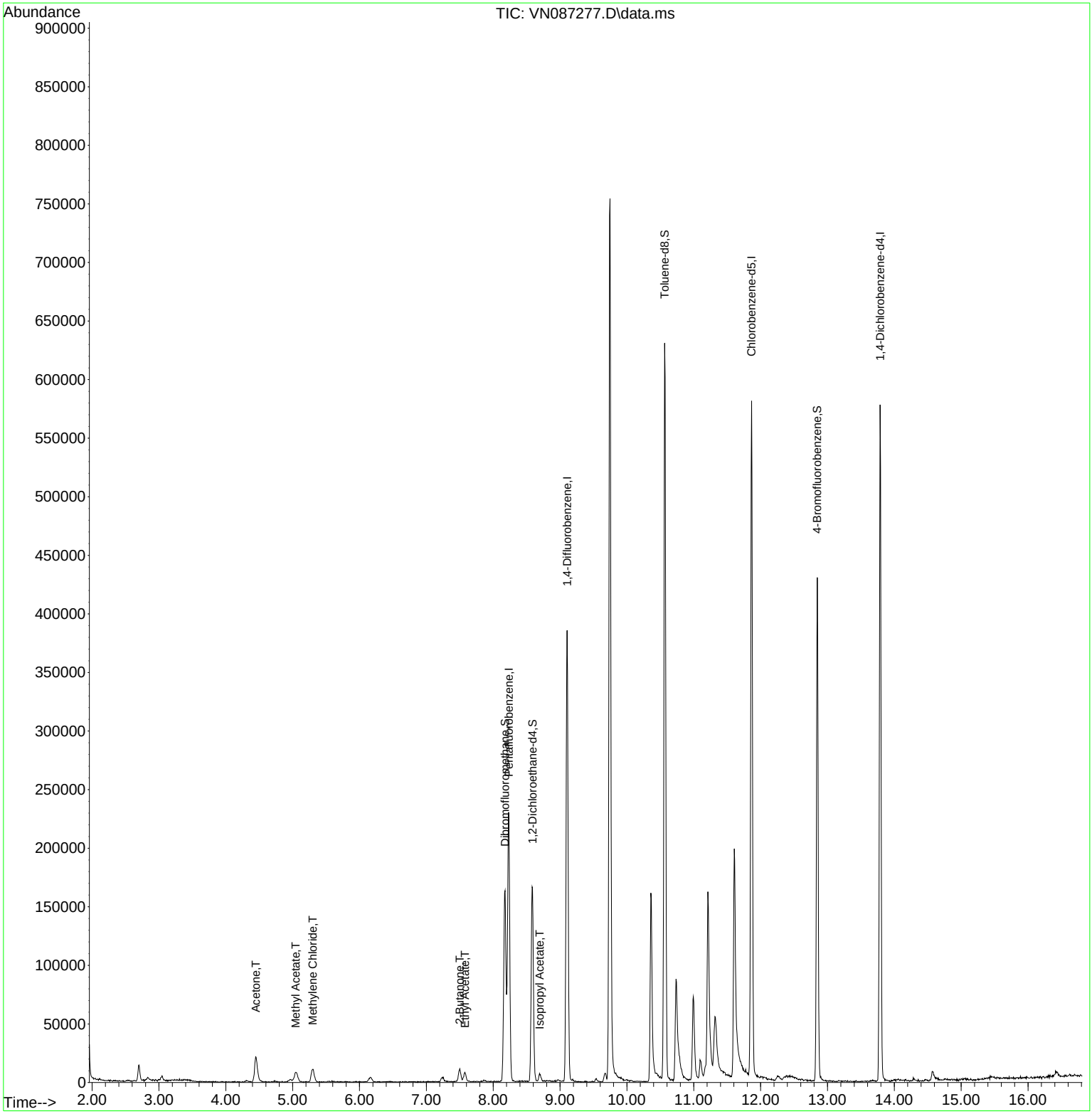
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	180816	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355191	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	356558	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	167009	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139961	61.675	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 123.340%			
35) Dibromofluoromethane	8.177	113	122270	53.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.520%			
50) Toluene-d8	10.565	98	455048	51.332	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.660%			
62) 4-Bromofluorobenzene	12.847	95	157674	49.989	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.980%			
Target Compounds						Qvalue
16) Acetone	4.447	43	41945	48.346	ug/l	96
18) Methyl Acetate	5.047	43	19013	9.573	ug/l	97
20) Methylene Chloride	5.300	84	9187	4.780	ug/l #	93
25) 2-Butanone	7.500	43	17095	12.608	ug/l	98
37) Ethyl Acetate	7.577	43	12233	3.679	ug/l	97
43) Isopropyl Acetate	8.694	43	7572	1.469	ug/l #	82

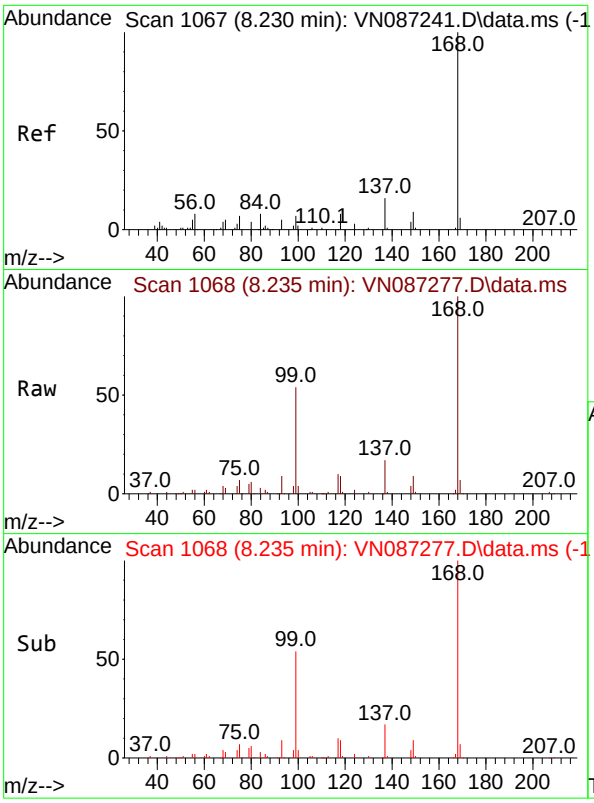
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087277.D
Acq On : 03 Jul 2025 17:13
Operator : JC\MD
Sample : Q2487-18
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Quant Time: Jul 04 01:35:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



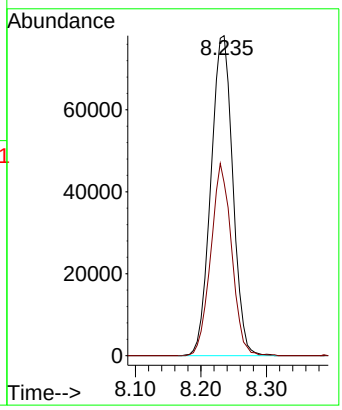


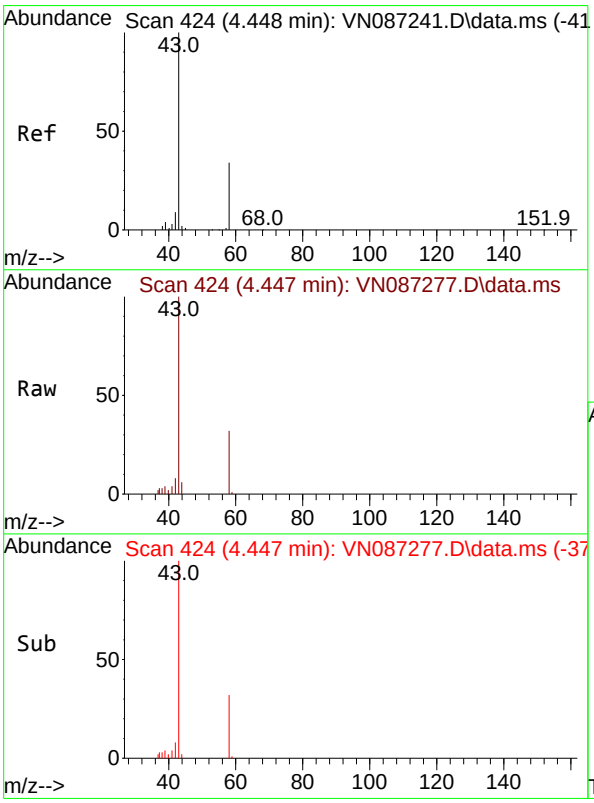
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion:168 Resp: 180816

Ion	Ratio	Lower	Upper
168	100		
99	54.0	42.6	64.0

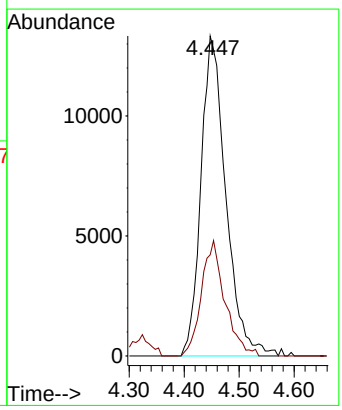


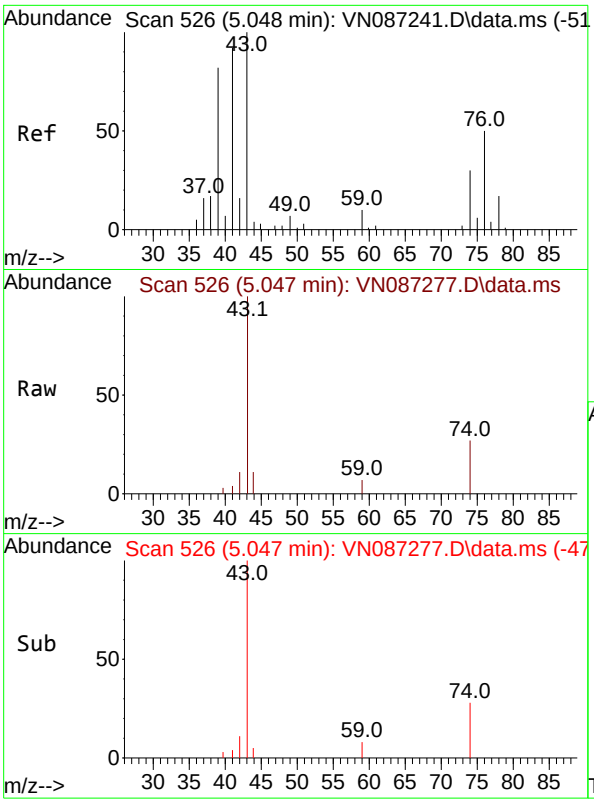


#16
Acetone
Concen: 48.346 ug/l
RT: 4.447 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 41945

Ion	Ratio	Lower	Upper
43	100		
58	31.6	27.1	40.7



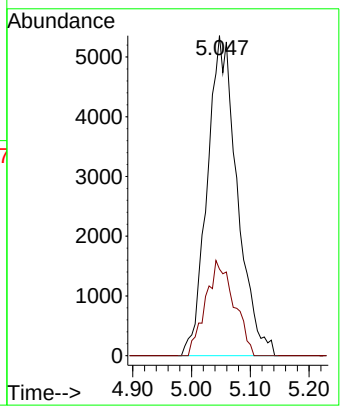


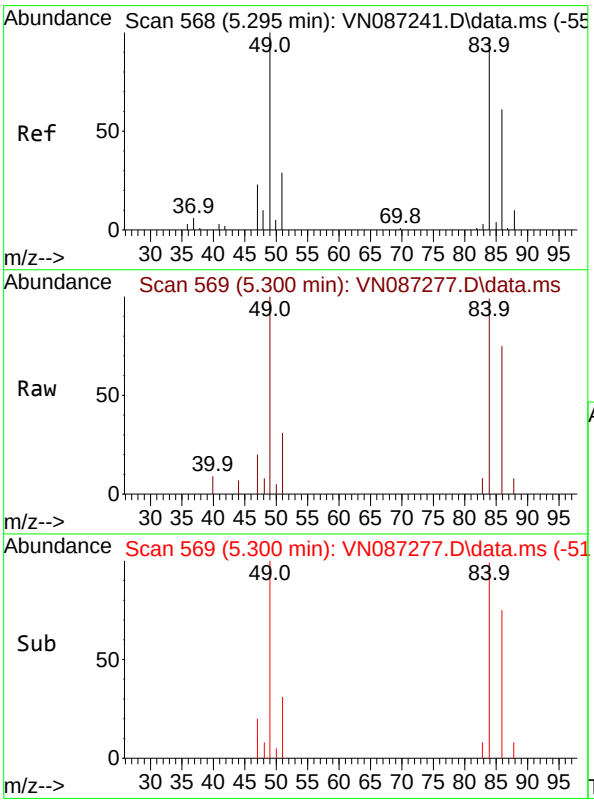
#18
Methyl Acetate
Concen: 9.573 ug/l
RT: 5.047 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion: 43 Resp: 19013

Ion	Ratio	Lower	Upper
43	100		
74	28.2	23.8	35.6

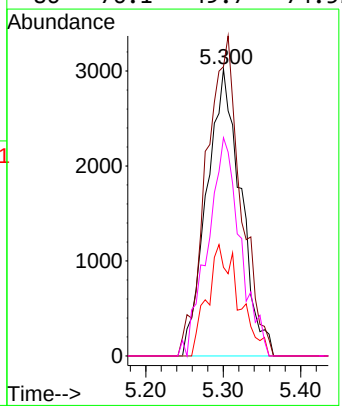


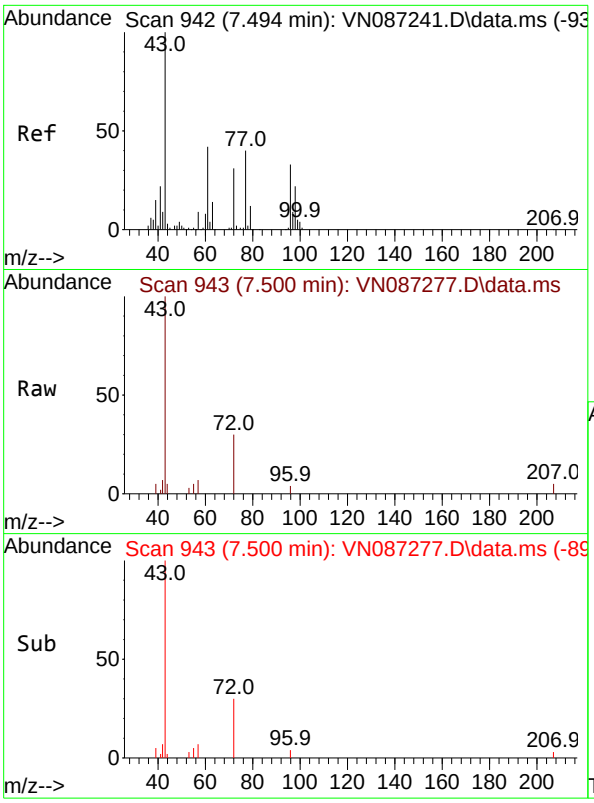


#20
Methylene Chloride
Concen: 4.780 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 84 Resp: 9187

Ion	Ratio	Lower	Upper
84	100		
49	100.8	82.1	123.1
51	30.9	23.5	35.3
86	76.1	49.7	74.5#



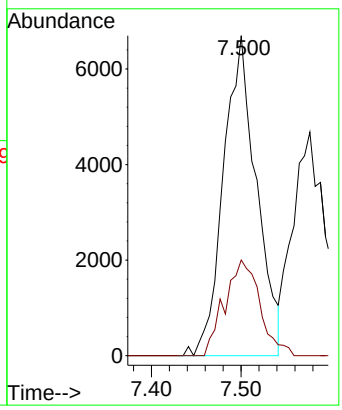


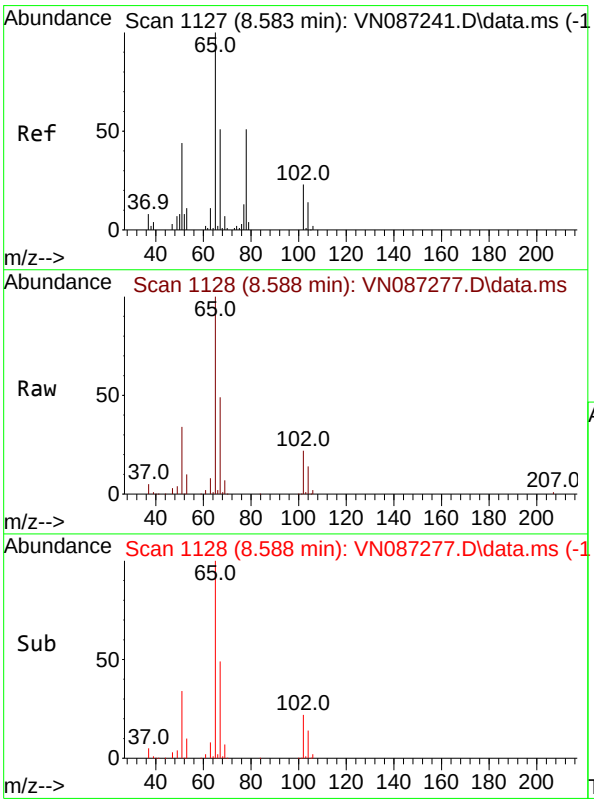
#25
2-Butanone
Concen: 12.608 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion: 43 Resp: 17095

Ion	Ratio	Lower	Upper
43	100		
72	29.9	24.8	37.2

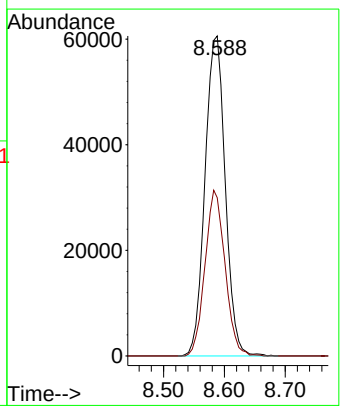


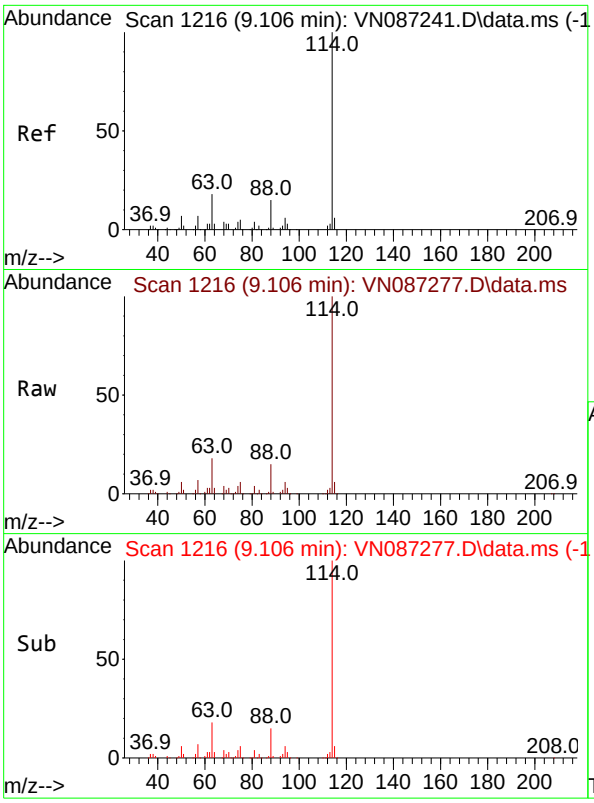


#33
1,2-Dichloroethane-d4
Concen: 61.675 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 65 Resp: 139961

Ion	Ratio	Lower	Upper
65	100		
67	51.4	0.0	102.6



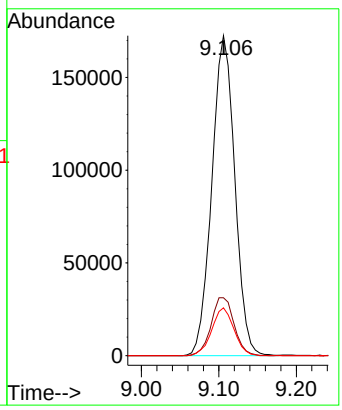


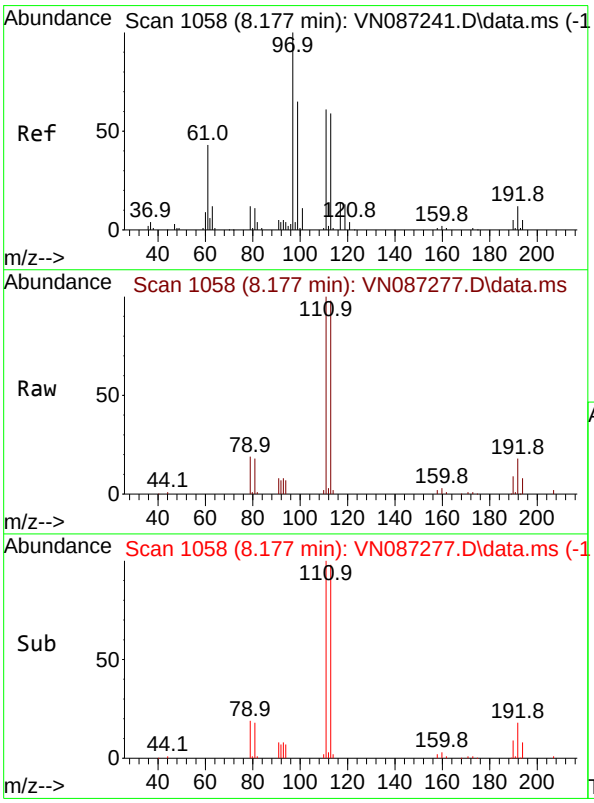
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion:114 Resp: 355191

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.6
88	14.9	0.0	29.6

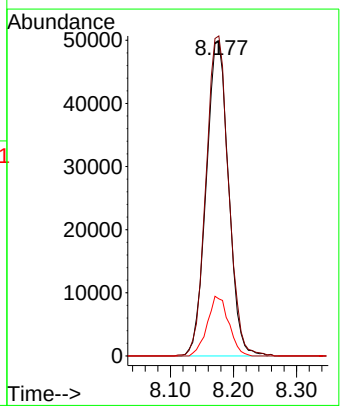


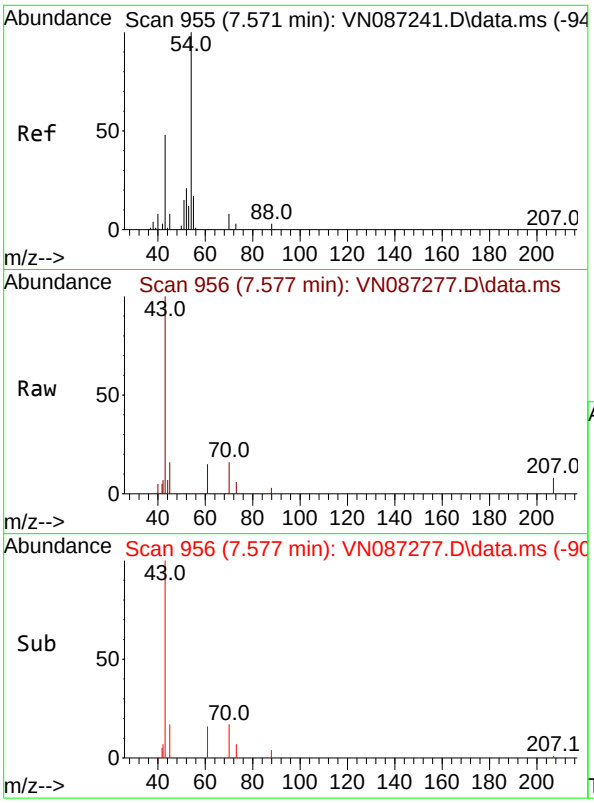


#35
Dibromofluoromethane
Concen: 53.761 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:113 Resp: 122270

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.4	122.2
192	18.2	15.1	22.7



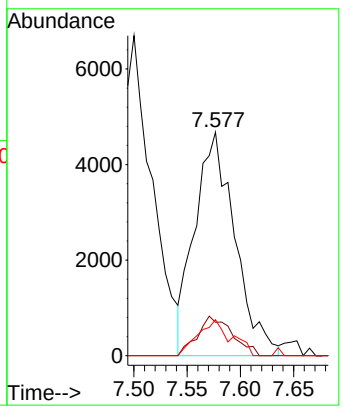


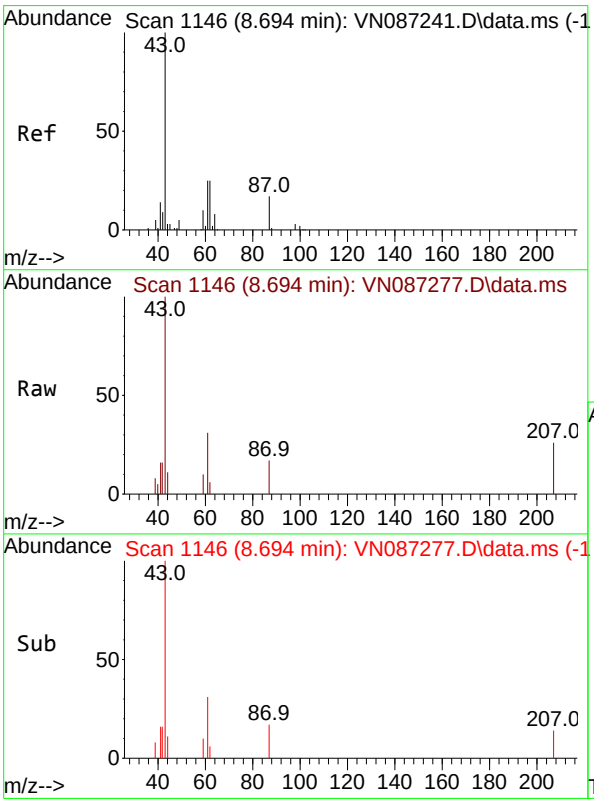
#37
Ethyl Acetate
Concen: 3.679 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion: 43 Resp: 12233

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	13.4	9.9	14.9

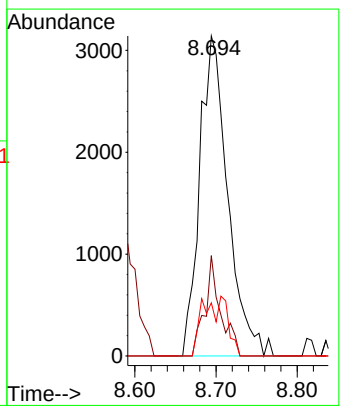


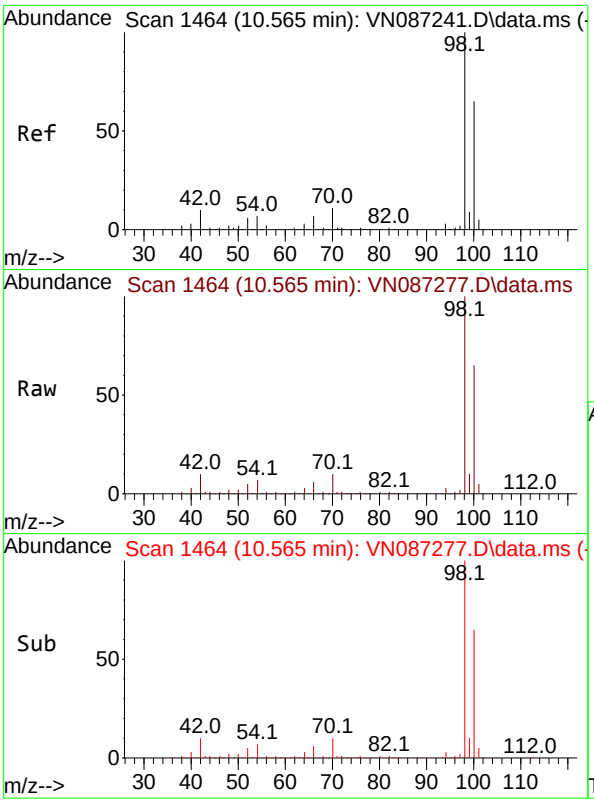


#43
Isopropyl Acetate
Concen: 1.469 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 43 Resp: 7572

Ion	Ratio	Lower	Upper
43	100		
61	17.5	22.4	33.6#
87	9.7	12.8	19.2#



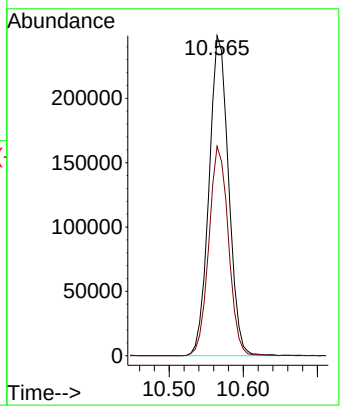


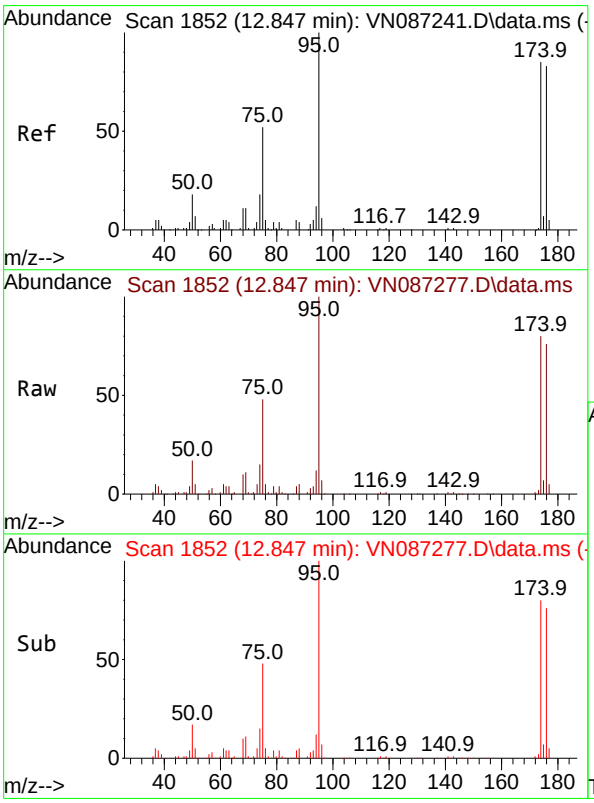
#50
Toluene-d8
Concen: 51.332 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion: 98 Resp: 455048

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1

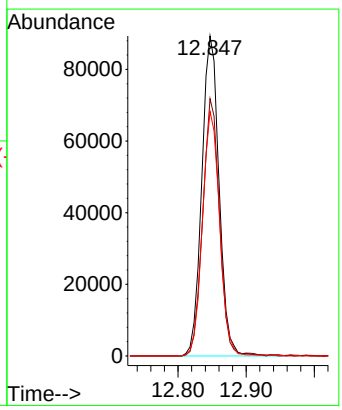


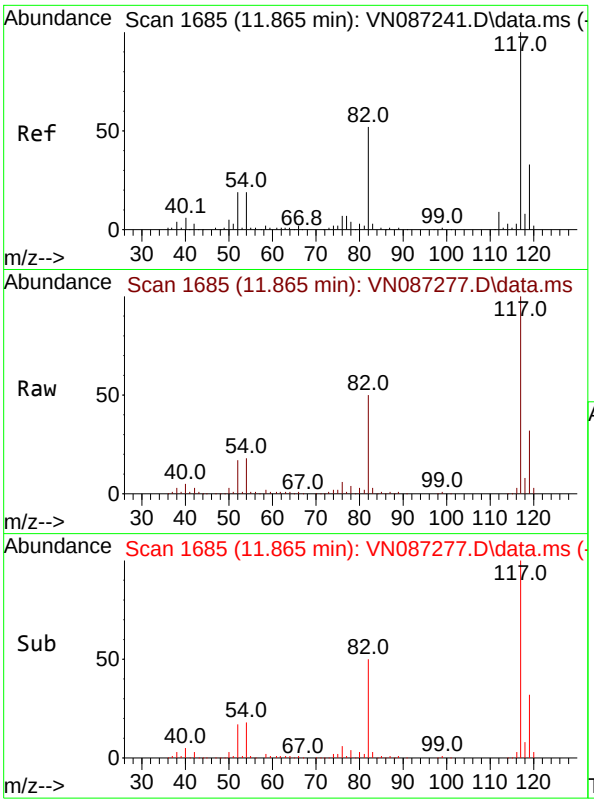


#62
4-Bromofluorobenzene
Concen: 49.989 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion: 95 Resp: 157674

Ion	Ratio	Lower	Upper
95	100		
174	78.2	0.0	169.6
176	76.0	0.0	161.6



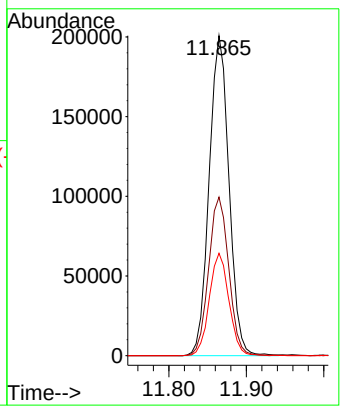


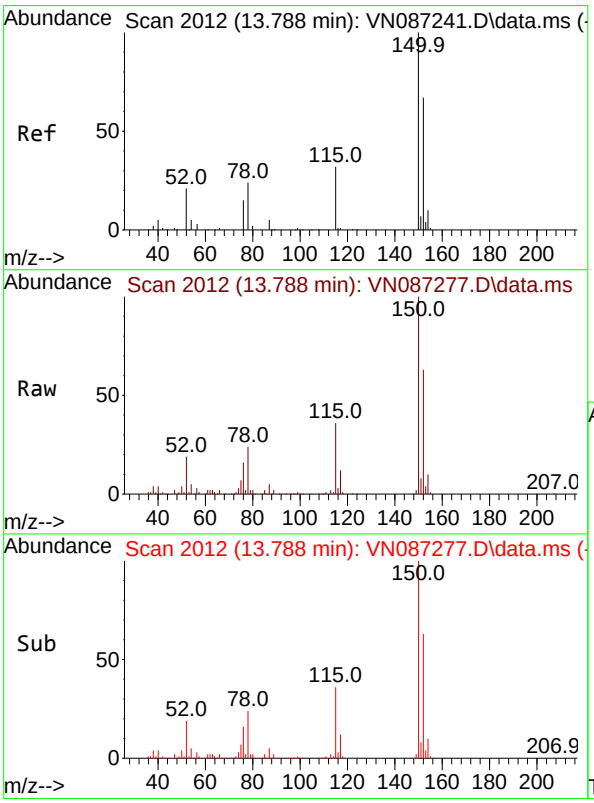
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Instrument :
MSVOA_N
ClientSampleId :
G4(10)

Tgt Ion:117 Resp: 356558

Ion	Ratio	Lower	Upper
117	100		
82	49.6	41.9	62.9
119	32.0	26.2	39.4

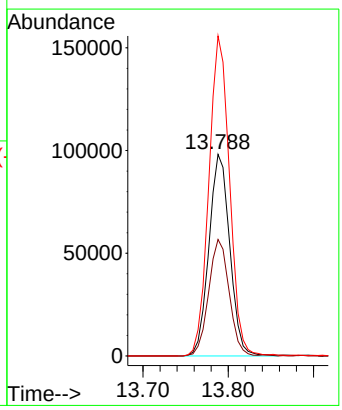




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087277.D
Acq: 03 Jul 2025 17:13

Tgt Ion:152 Resp: 167009

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	84.9
150	157.1	0.0	344.6



Raw Data: **VN087278.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-19	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:	Date Analyzed	Prep Batch ID
VN087278.D	1	07/03/25 17:35	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	11.8	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.9		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.5		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	51.2		86 - 113	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	181000	8.23			
540-36-3	1,4-Difluorobenzene	349000	9.106			
3114-55-4	Chlorobenzene-d5	343000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	162000	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\VN070325\
Data File : VN087278.D
Acq On : 03 Jul 2025 17:35
Operator : JC\MD
Sample : Q2487-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Quant Time: Jul 04 01:35:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

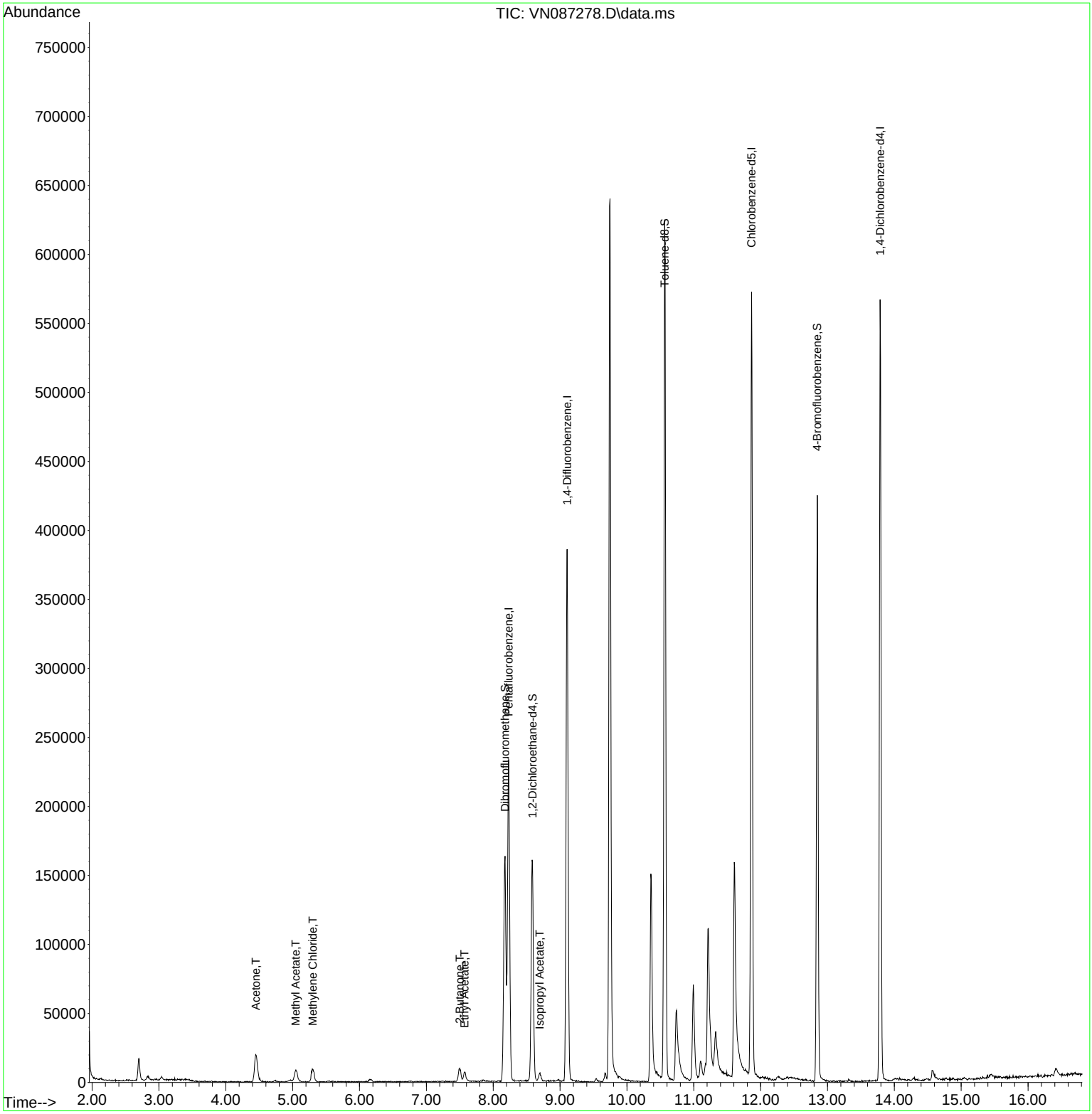
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	180750	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	348767	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343098	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162048	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135831	59.877	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.760%			
35) Dibromofluoromethane	8.177	113	119454	53.491	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.980%			
50) Toluene-d8	10.565	98	446088	51.248	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.500%			
62) 4-Bromofluorobenzene	12.847	95	150843	48.704	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.400%			
Target Compounds						Qvalue
16) Acetone	4.448	43	40505	46.703	ug/l	98
18) Methyl Acetate	5.048	43	17746	8.938	ug/l	98
20) Methylene Chloride	5.300	84	8601	4.477	ug/l	92
25) 2-Butanone	7.500	43	16035	11.831	ug/l	98
37) Ethyl Acetate	7.571	43	11732	3.594	ug/l	99
43) Isopropyl Acetate	8.694	43	7260	1.434	ug/l	96

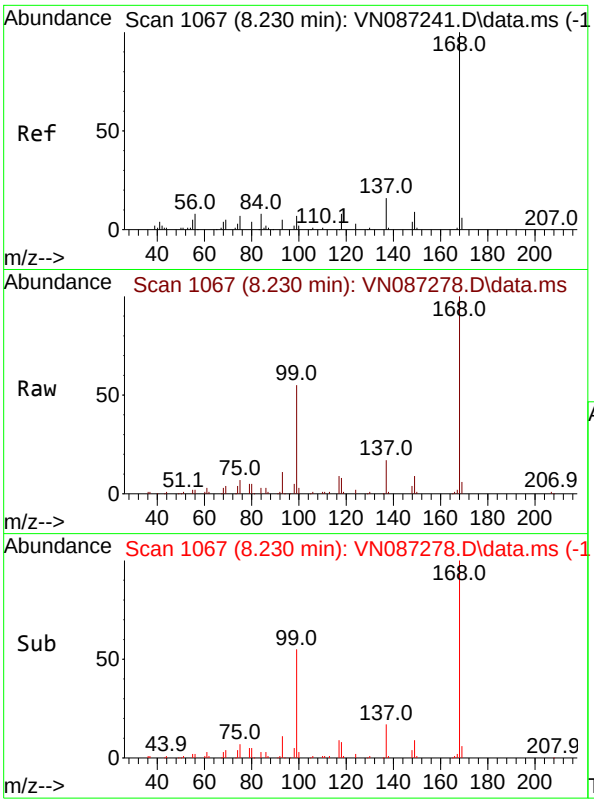
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087278.D
Acq On : 03 Jul 2025 17:35
Operator : JC\MD
Sample : Q2487-19
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Quant Time: Jul 04 01:35:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



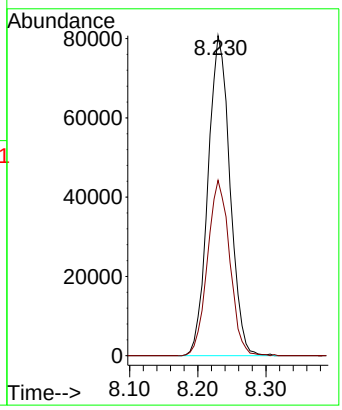


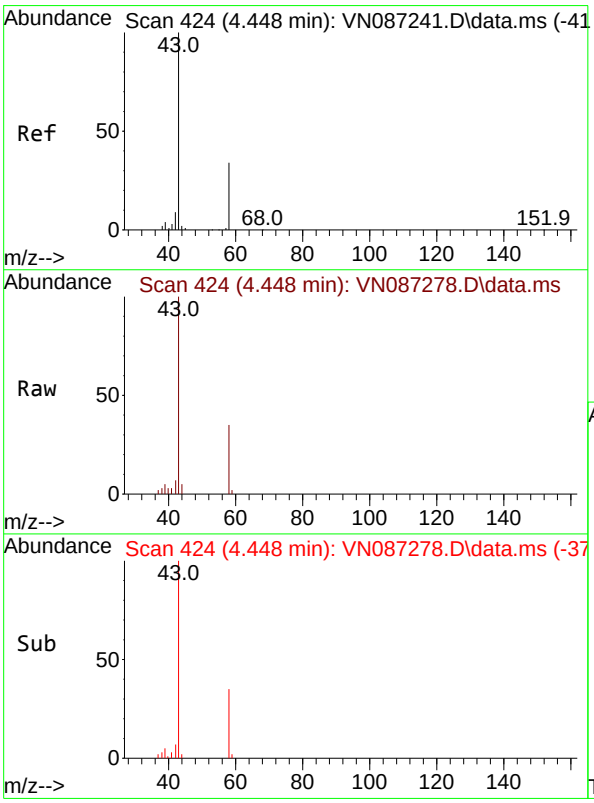
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion:168 Resp: 180750

Ion	Ratio	Lower	Upper
168	100		
99	54.8	42.6	64.0

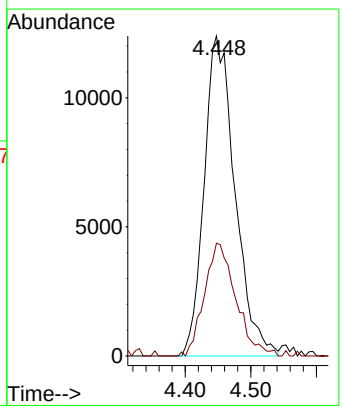


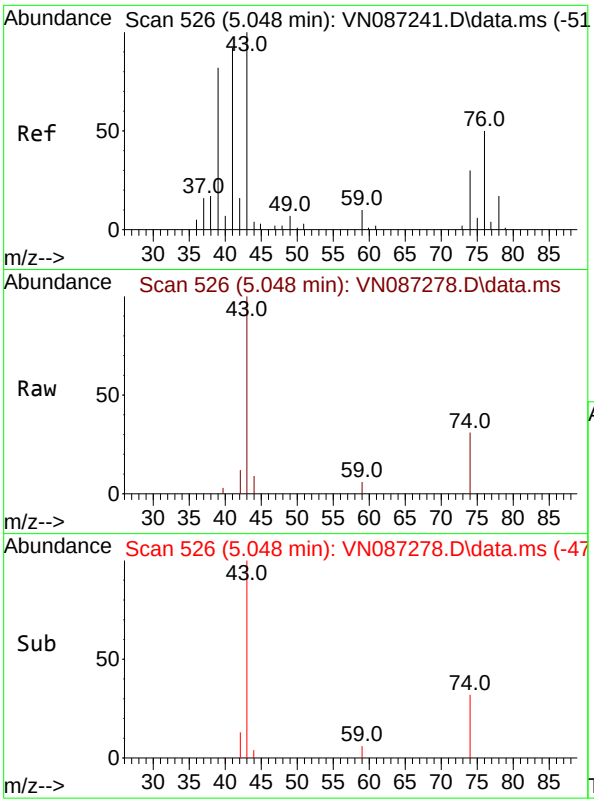


#16
Acetone
Concen: 46.703 ug/l
RT: 4.448 min Scan# 424
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 43 Resp: 40505

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7



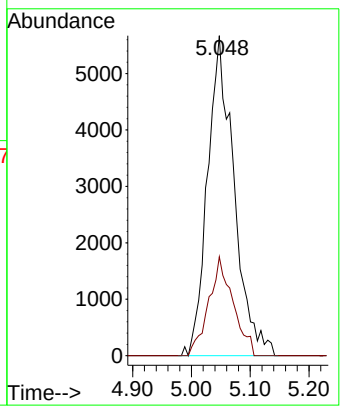


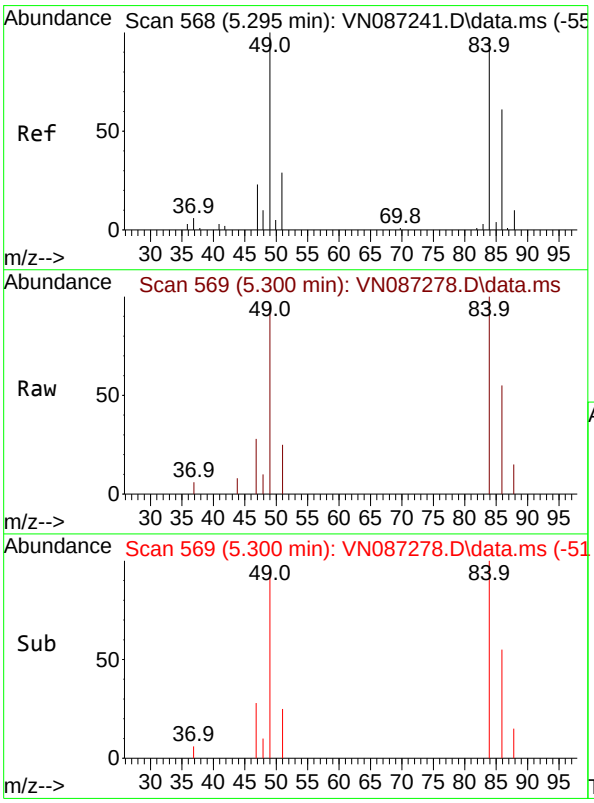
#18
Methyl Acetate
Concen: 8.938 ug/l
RT: 5.048 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion: 43 Resp: 17746

Ion	Ratio	Lower	Upper
43	100		
74	28.4	23.8	35.6

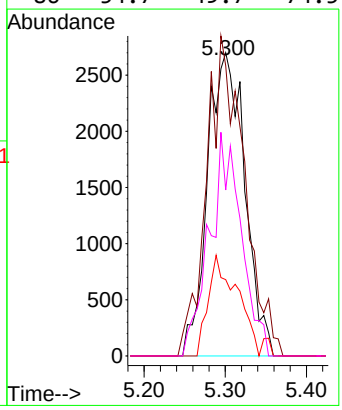


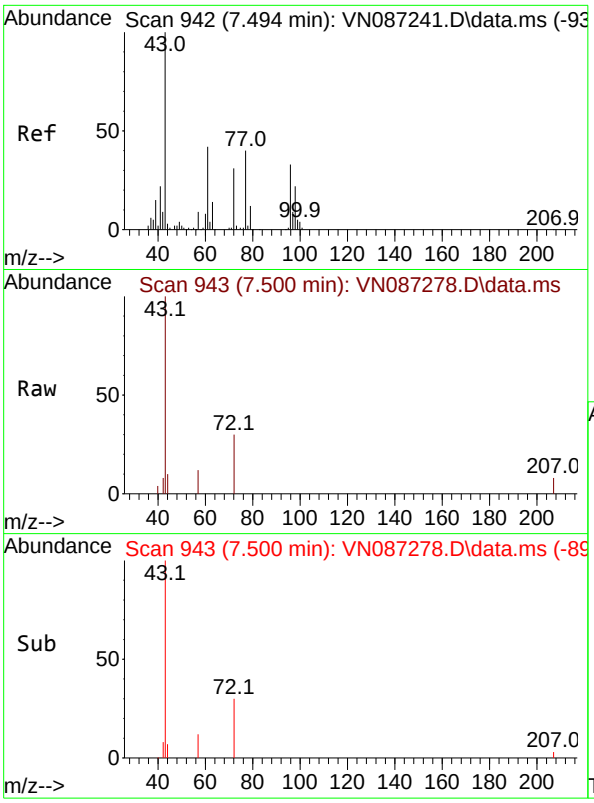


#20
Methylene Chloride
Concen: 4.477 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 84 Resp: 8601

Ion	Ratio	Lower	Upper
84	100		
49	95.7	82.1	123.1
51	25.2	23.5	35.3
86	54.7	49.7	74.5



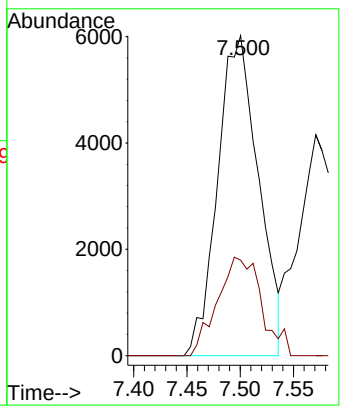


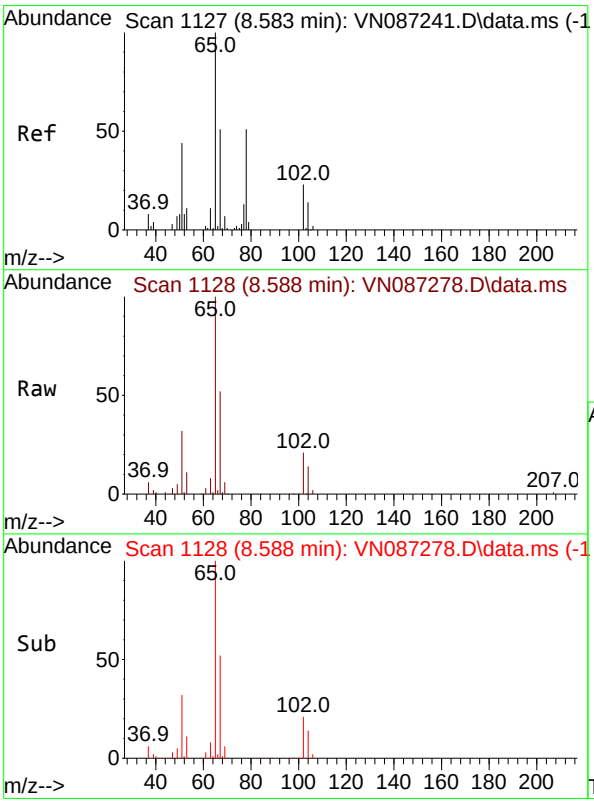
#25
2-Butanone
Concen: 11.831 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion: 43 Resp: 16035

Ion	Ratio	Lower	Upper
43	100		
72	29.8	24.8	37.2

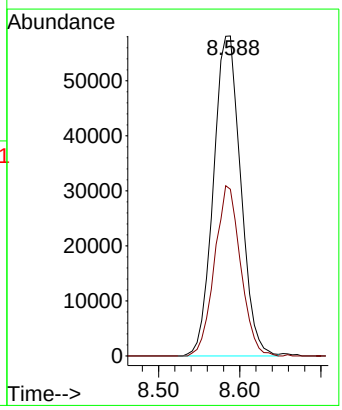


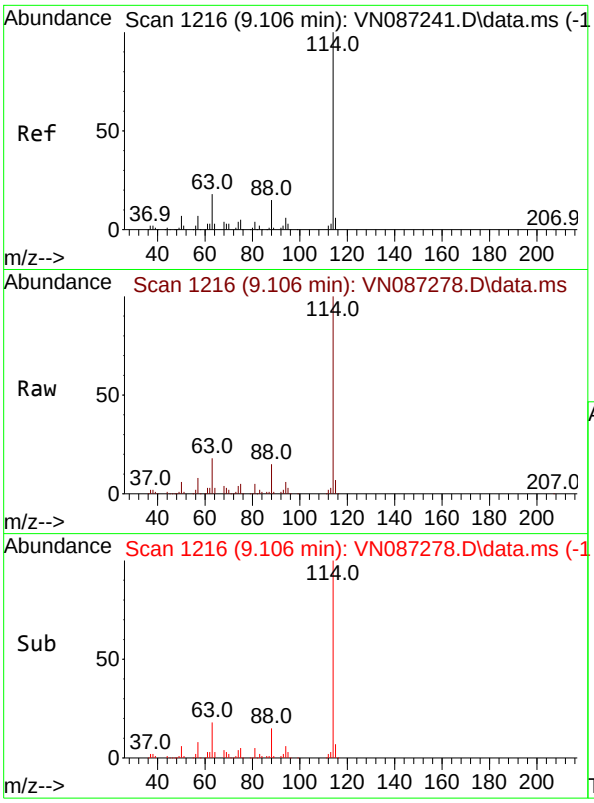


#33
1,2-Dichloroethane-d4
Concen: 59.877 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.006 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 65 Resp: 135831

Ion	Ratio	Lower	Upper
65	100		
67	50.9	0.0	102.6



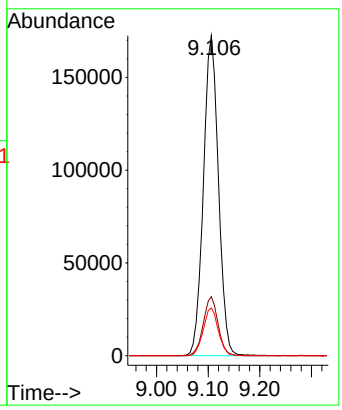


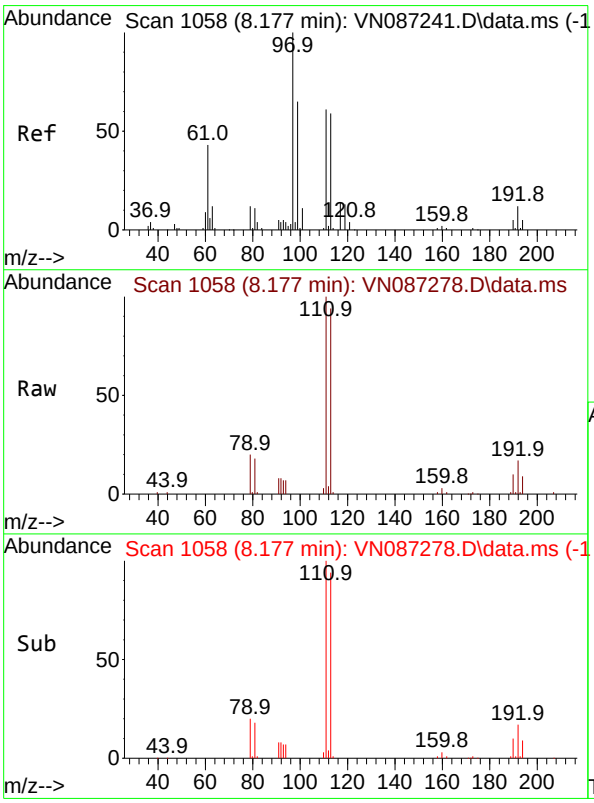
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion:114 Resp: 348767

Ion	Ratio	Lower	Upper
114	100		
63	18.5	0.0	36.6
88	14.9	0.0	29.6

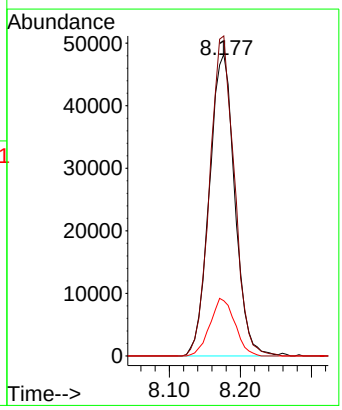


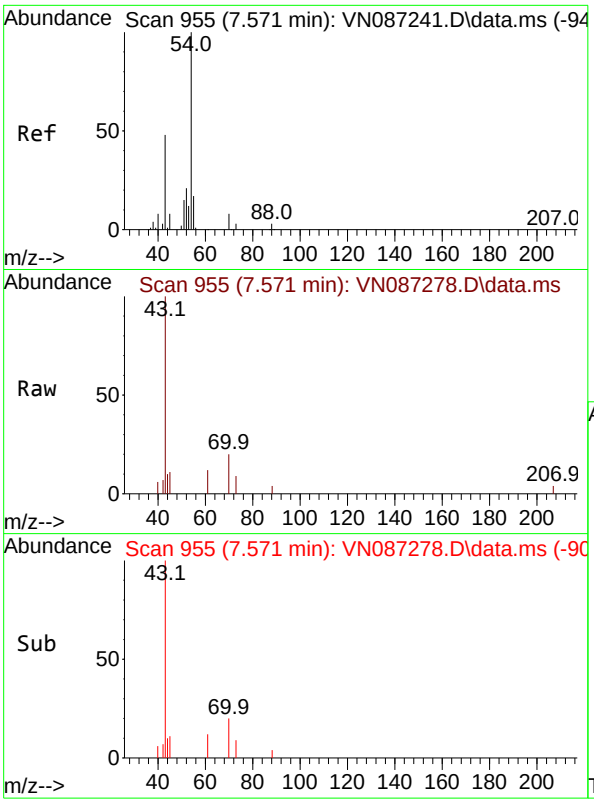


#35
Dibromofluoromethane
Concen: 53.491 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion:113 Resp: 119454

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	18.8	15.1	22.7



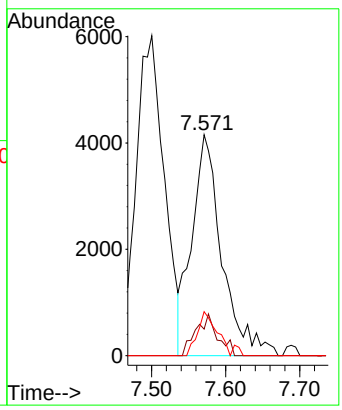


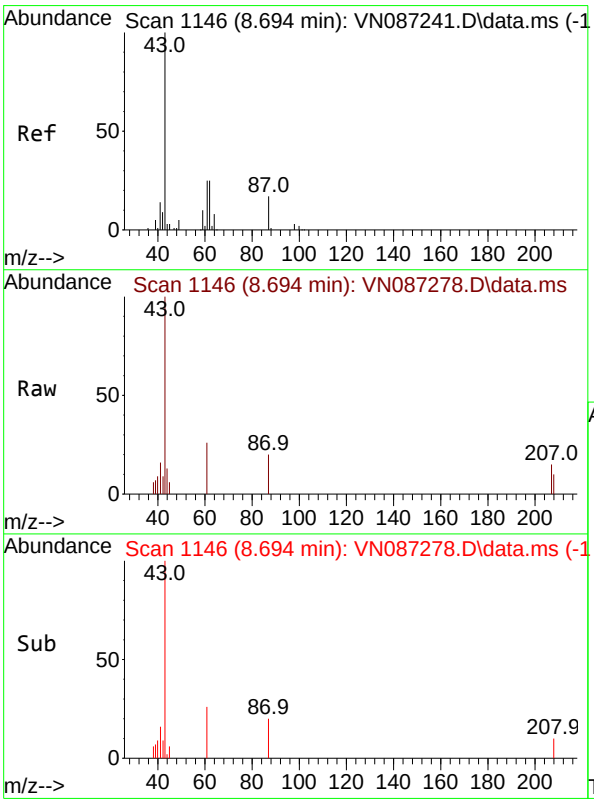
#37
Ethyl Acetate
Concen: 3.594 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion: 43 Resp: 11732

Ion	Ratio	Lower	Upper
43	100		
61	13.6	11.3	16.9
70	12.7	9.9	14.9

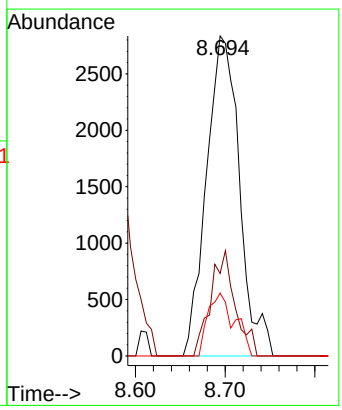


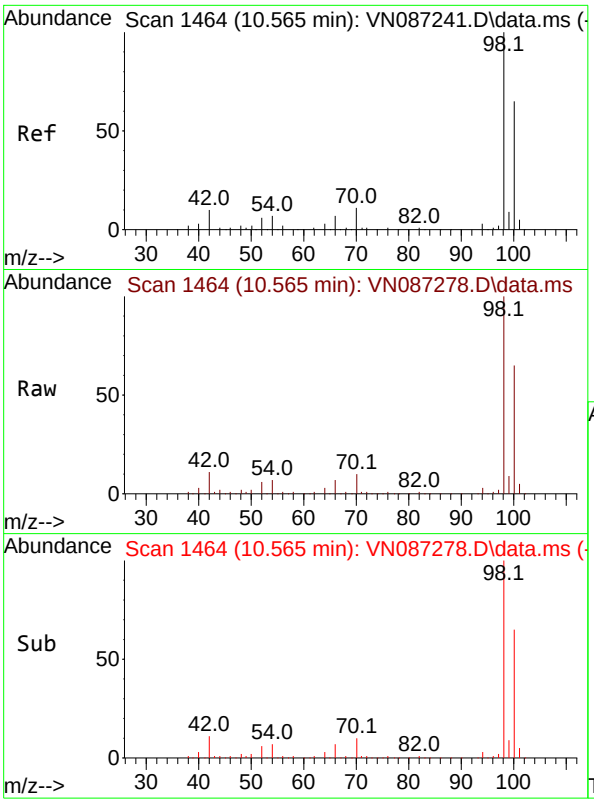


#43
Isopropyl Acetate
Concen: 1.434 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 43 Resp: 7260

Ion	Ratio	Lower	Upper
43	100		
61	24.5	22.4	33.6
87	15.9	12.8	19.2



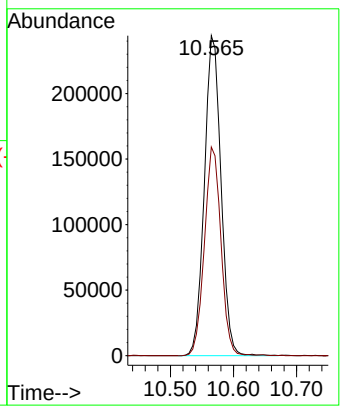


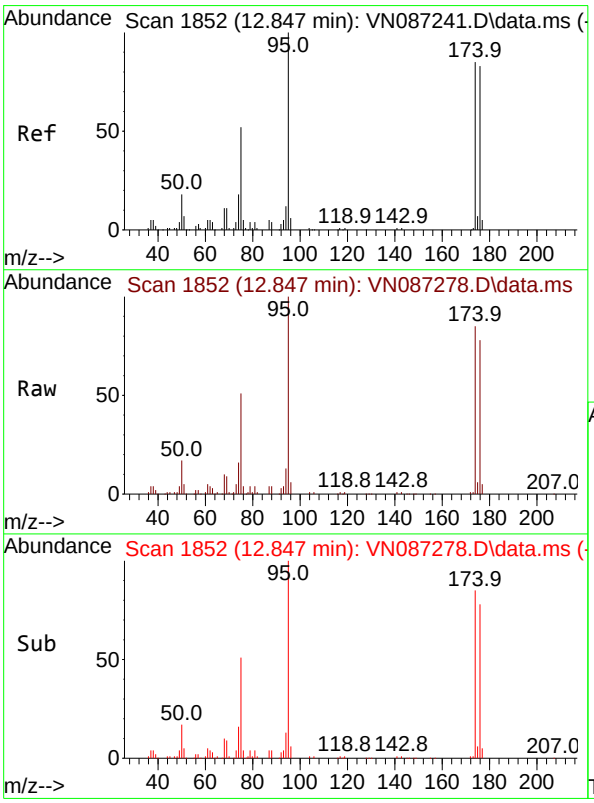
#50
Toluene-d8
Concen: 51.248 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion: 98 Resp: 446088

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

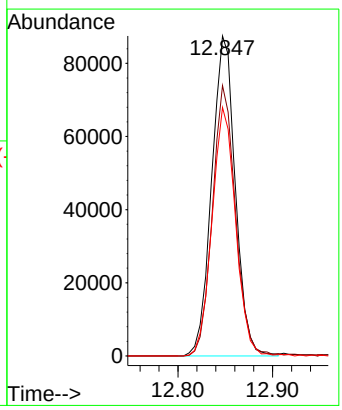


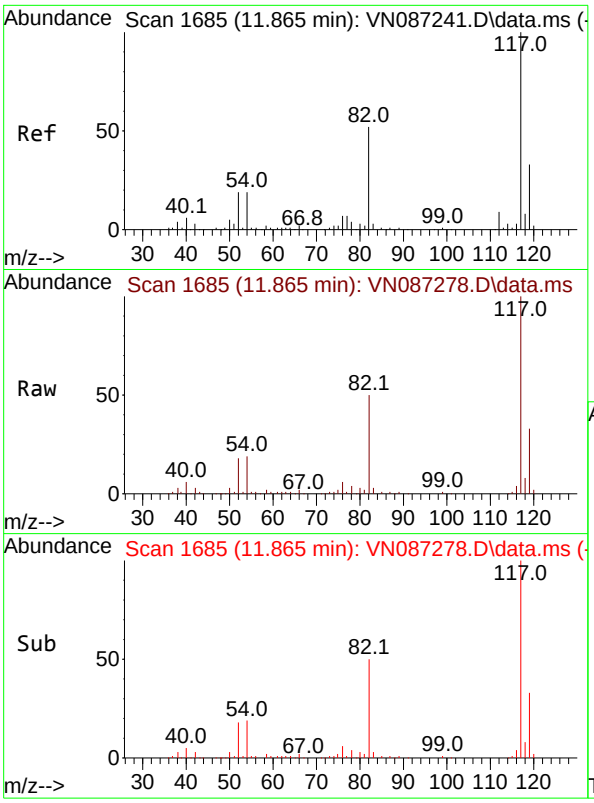


#62
4-Bromofluorobenzene
Concen: 48.704 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion: 95 Resp: 150843

Ion	Ratio	Lower	Upper
95	100		
174	83.0	0.0	169.6
176	77.9	0.0	161.6



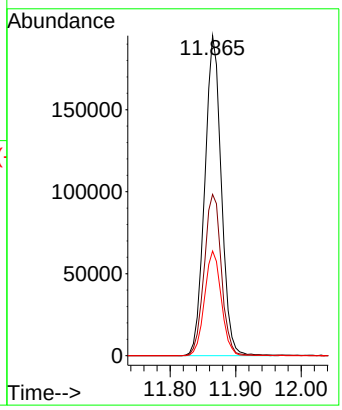


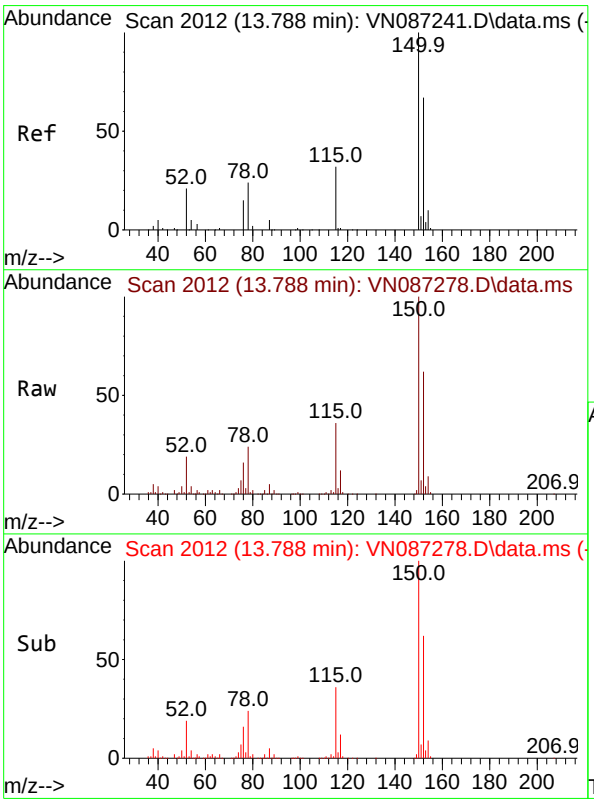
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Instrument :
MSVOA_N
ClientSampleId :
G3(9)

Tgt Ion:117 Resp: 343098

Ion	Ratio	Lower	Upper
117	100		
82	50.4	41.9	62.9
119	32.7	26.2	39.4

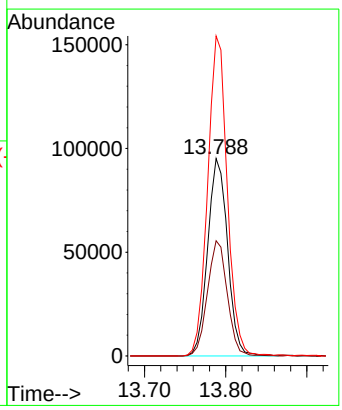




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087278.D
Acq: 03 Jul 2025 17:35

Tgt Ion:152 Resp: 162048

Ion	Ratio	Lower	Upper
152	100		
115	58.0	28.3	84.9
150	159.1	0.0	344.6



Raw Data: **VN087287.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G3(3)	SDG No.:	Q2487
Lab Sample ID:	Q2487-20	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:	Date Analyzed	Prep Batch ID
VN087287.D	1	07/07/25 12:02	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	7.20	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.9		74 - 125	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.23			
540-36-3	1,4-Difluorobenzene	334000	9.106			
3114-55-4	Chlorobenzene-d5	319000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	148000	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\VN070725\
Data File : VN087287.D
Acq On : 07 Jul 2025 12:02
Operator : JC\MD
Sample : Q2487-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Quant Time: Jul 08 01:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

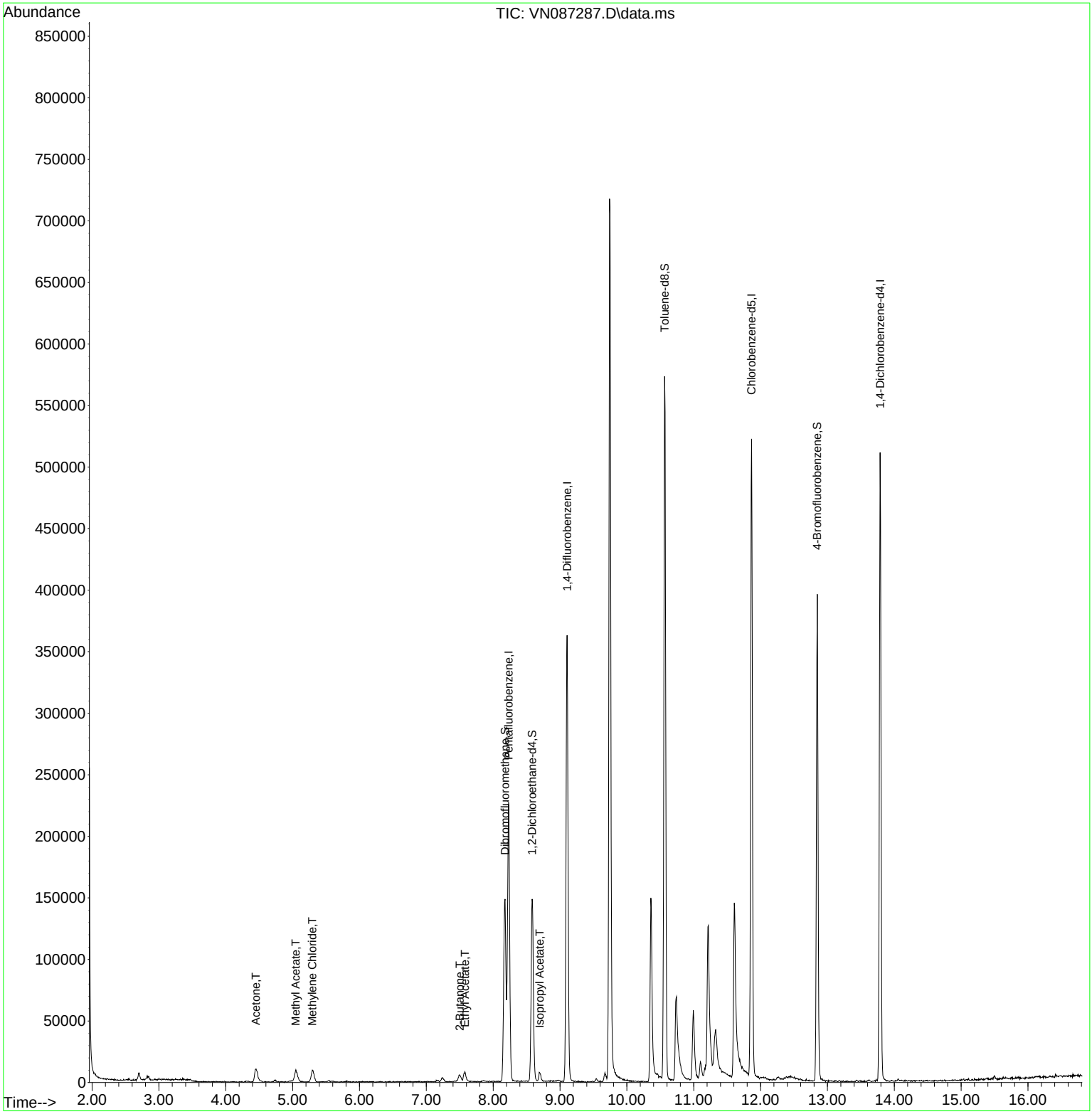
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	178305	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	333547	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	319292	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	147659	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	124994	55.855	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.720%			
35) Dibromofluoromethane	8.177	113	111946	52.416	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.840%			
50) Toluene-d8	10.565	98	415727	49.939	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.880%			
62) 4-Bromofluorobenzene	12.847	95	137665	46.478	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.960%			
Target Compounds						Qvalue
16) Acetone	4.448	43	22128	25.864	ug/l	97
18) Methyl Acetate	5.048	43	18381	9.385	ug/l	95
20) Methylene Chloride	5.295	84	7866	4.150	ug/l #	95
25) 2-Butanone	7.500	43	9591	7.173	ug/l	93
37) Ethyl Acetate	7.577	43	13156	4.214	ug/l #	90
43) Isopropyl Acetate	8.694	43	7996	1.651	ug/l #	89

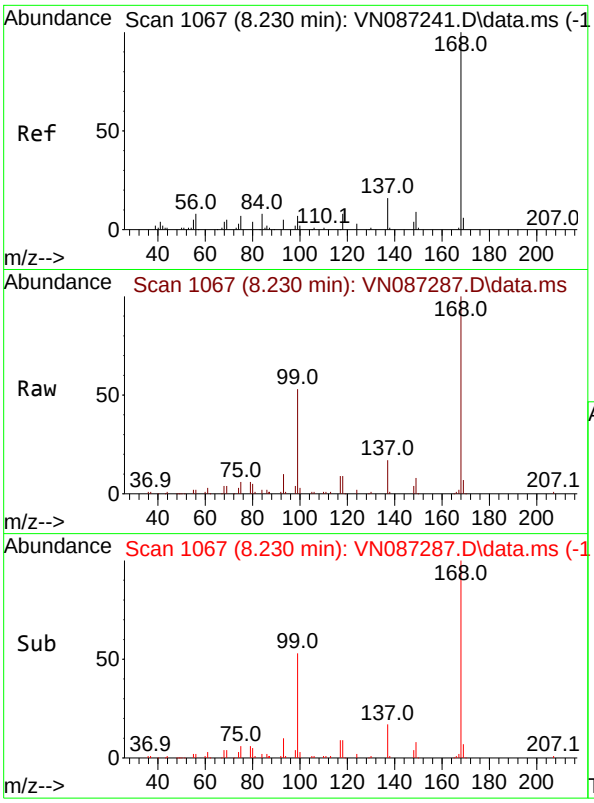
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087287.D
Acq On : 07 Jul 2025 12:02
Operator : JC\MD
Sample : Q2487-20
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Quant Time: Jul 08 01:31:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



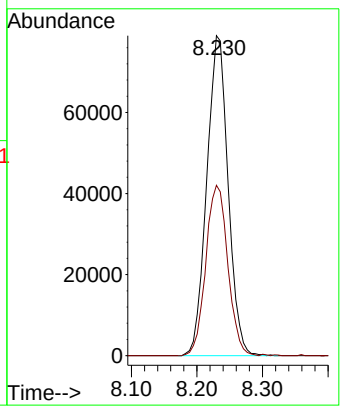


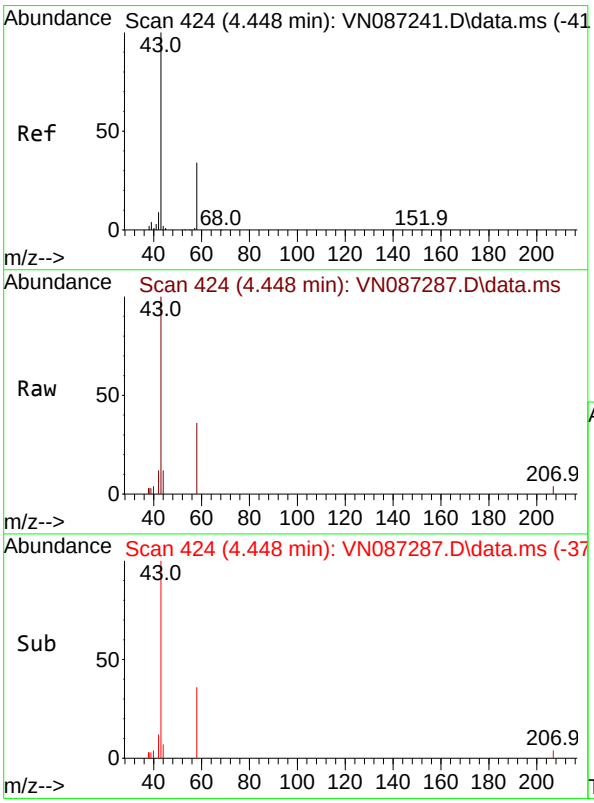
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion:168 Resp: 178305

Ion	Ratio	Lower	Upper
168	100		
99	53.3	42.6	64.0

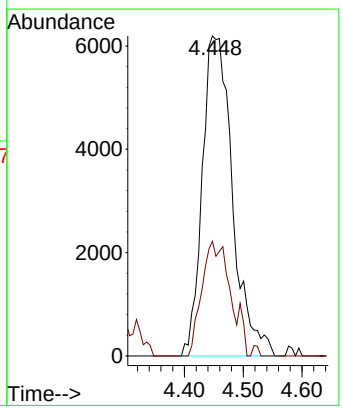


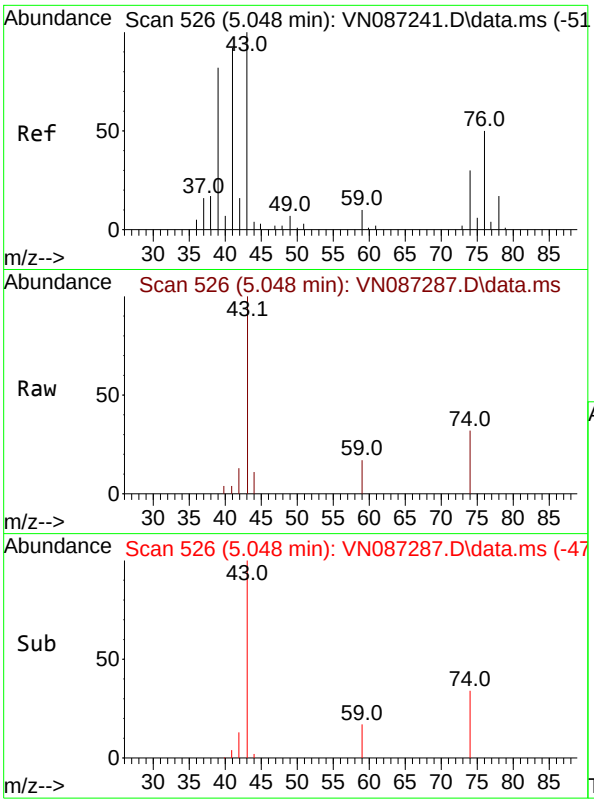


#16
Acetone
Concen: 25.864 ug/l
RT: 4.448 min Scan# 424
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 43 Resp: 22128

Ion	Ratio	Lower	Upper
43	100		
58	35.8	27.1	40.7



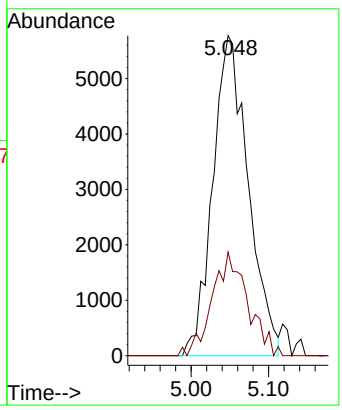


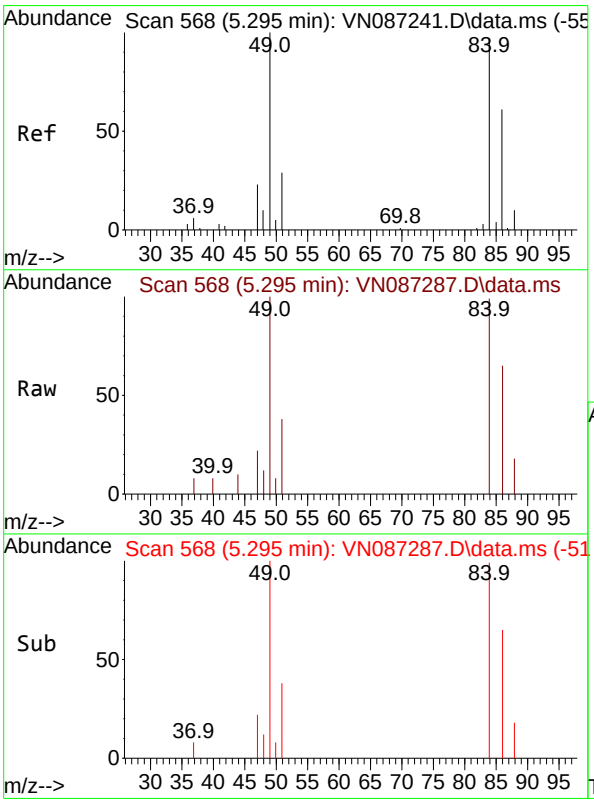
#18
Methyl Acetate
Concen: 9.385 ug/l
RT: 5.048 min Scan# 5
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 43 Resp: 18381

Ion	Ratio	Lower	Upper
43	100		
74	32.2	23.8	35.6

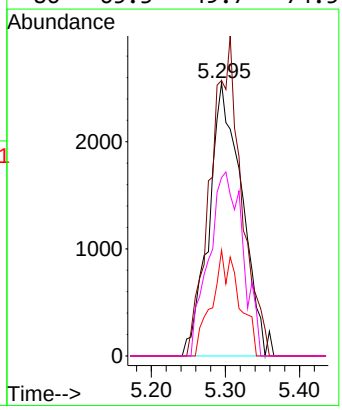


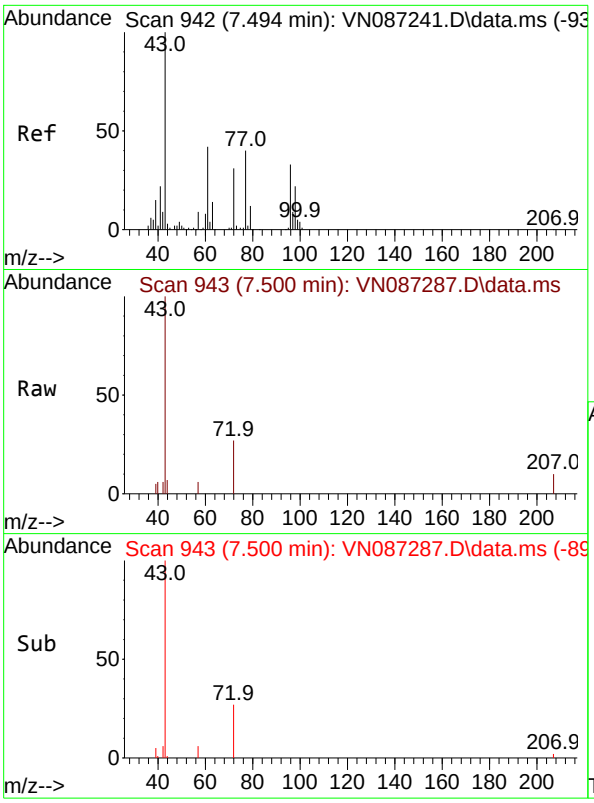


#20
Methylene Chloride
Concen: 4.150 ug/l
RT: 5.295 min Scan# 568
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 84 Resp: 7866

Ion	Ratio	Lower	Upper
84	100		
49	100.8	82.1	123.1
51	38.7	23.5	35.3#
86	65.3	49.7	74.5



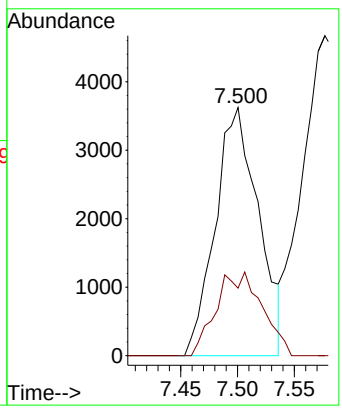


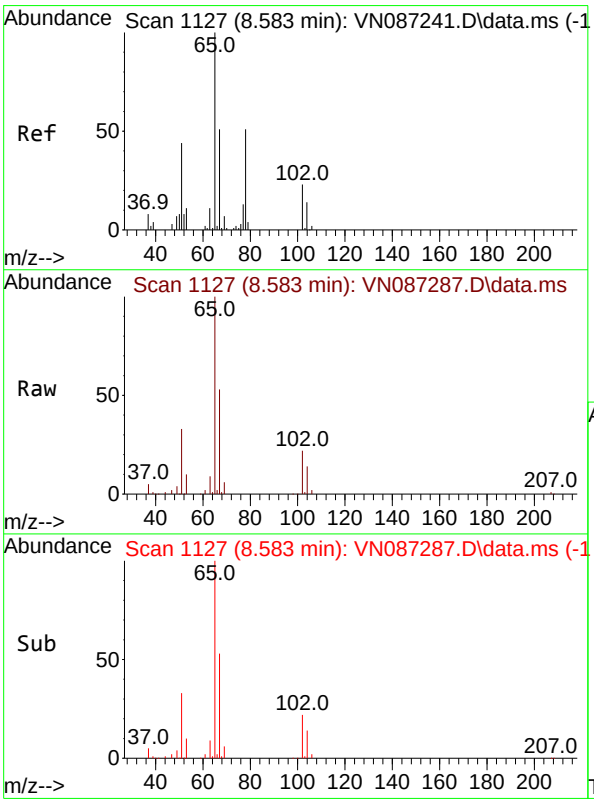
#25
2-Butanone
Concen: 7.173 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 43 Resp: 9591

Ion	Ratio	Lower	Upper
43	100		
72	27.2	24.8	37.2

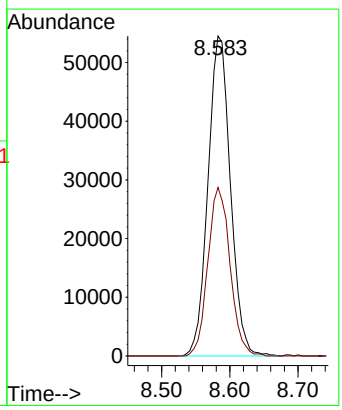


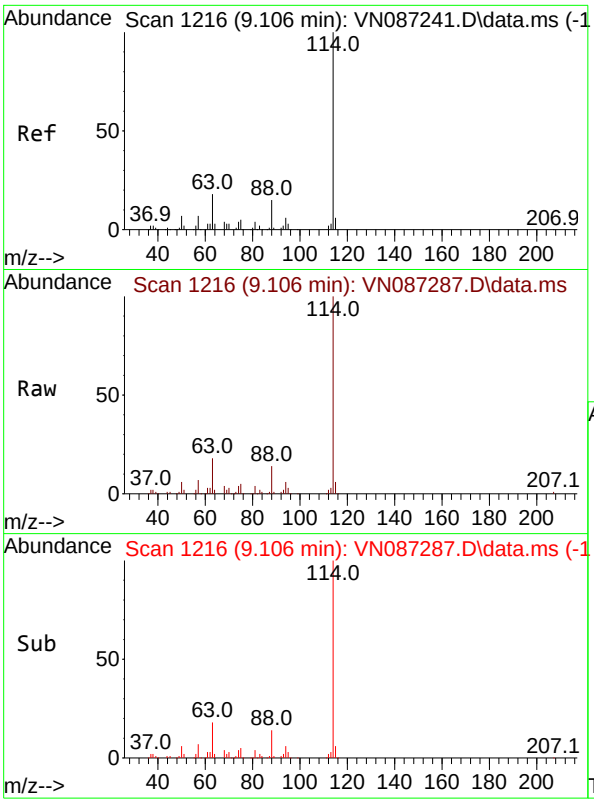


#33
1,2-Dichloroethane-d4
Concen: 55.855 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 65 Resp: 124994

Ion	Ratio	Lower	Upper
65	100		
67	52.1	0.0	102.6



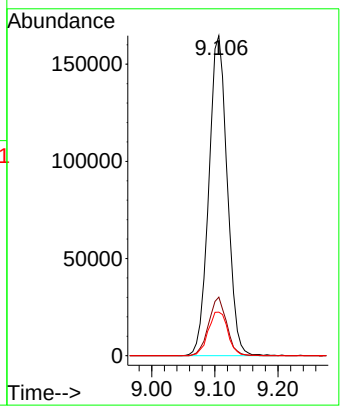


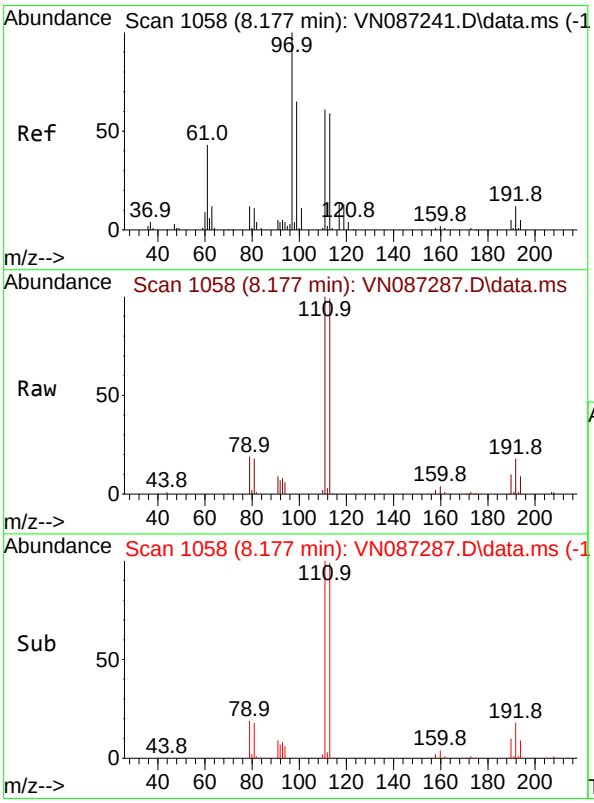
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion:114 Resp: 333547

Ion	Ratio	Lower	Upper
114	100		
63	18.3	0.0	36.6
88	13.6	0.0	29.6

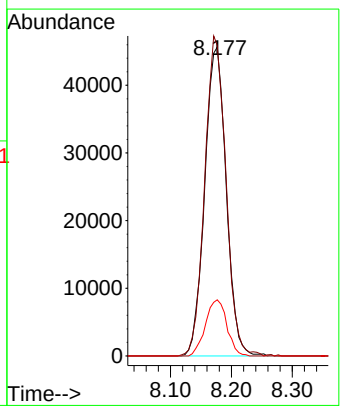


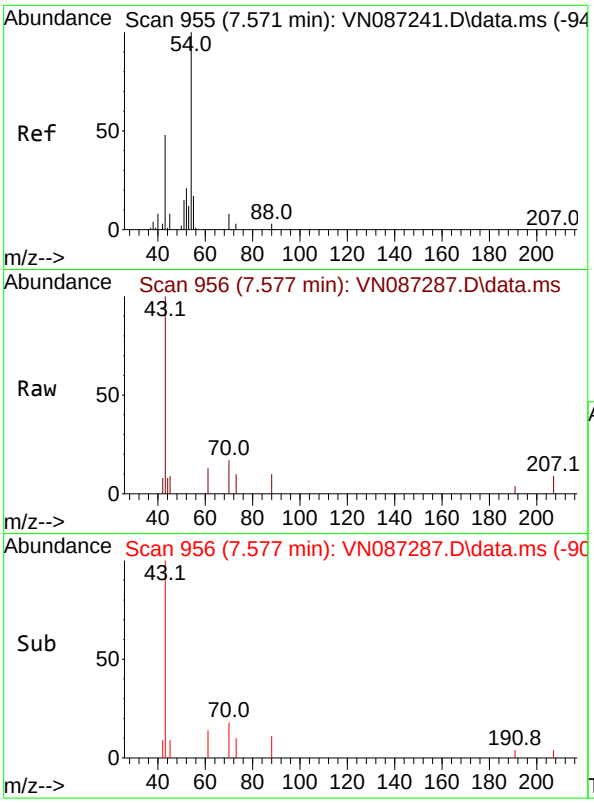


#35
Dibromofluoromethane
Concen: 52.416 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion:113 Resp: 111946

Ion	Ratio	Lower	Upper
113	100		
111	102.1	81.4	122.2
192	18.1	15.1	22.7



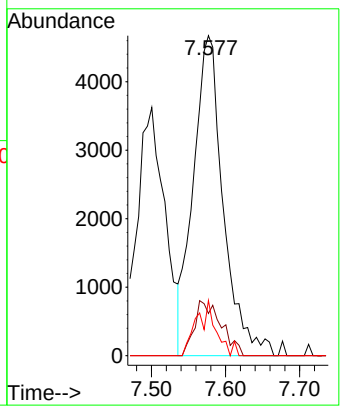


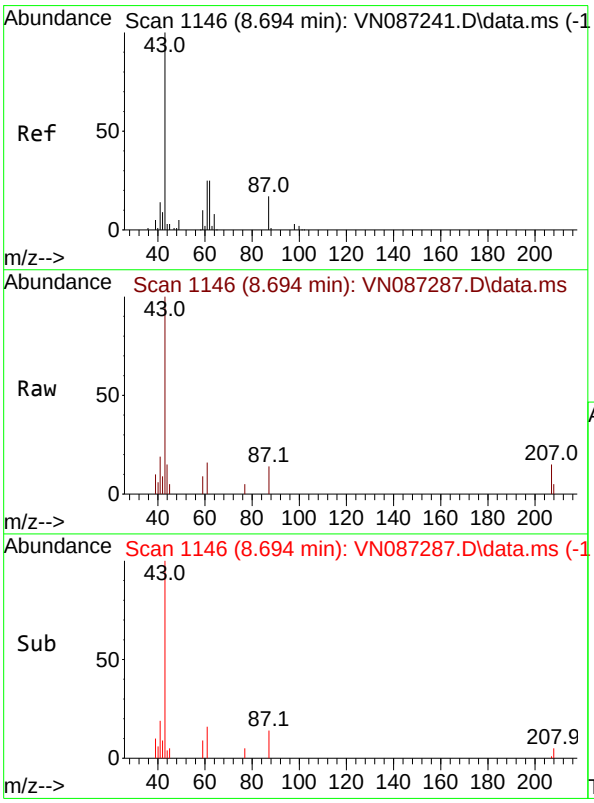
#37
Ethyl Acetate
Concen: 4.214 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 43 Resp: 13156

Ion	Ratio	Lower	Upper
43	100		
61	15.3	11.3	16.9
70	5.5	9.9	14.9#

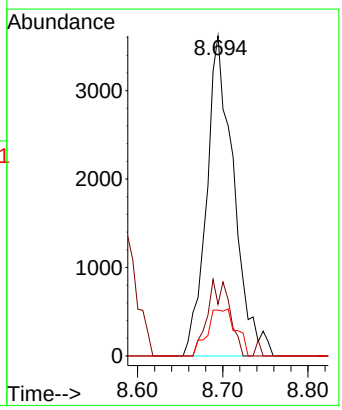


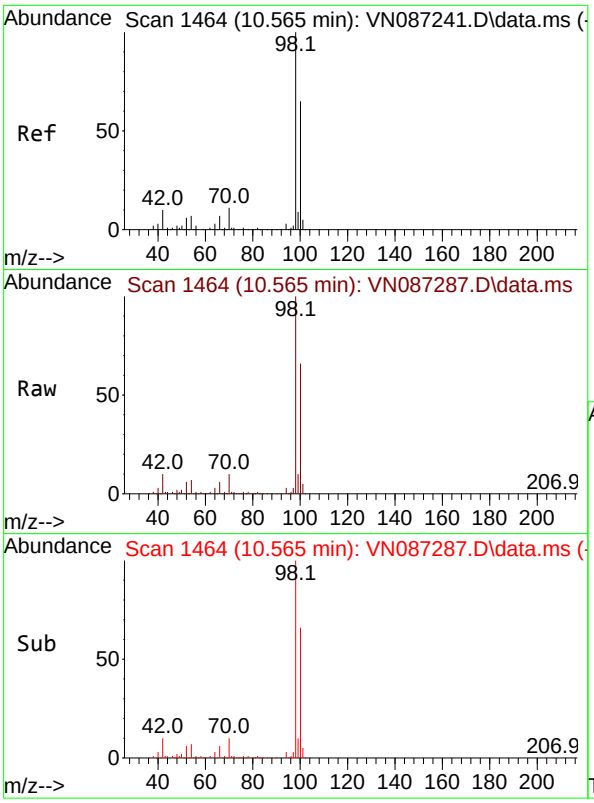


#43
Isopropyl Acetate
Concen: 1.651 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 43 Resp: 7996

Ion	Ratio	Lower	Upper
43	100		
61	19.3	22.4	33.6#
87	15.4	12.8	19.2



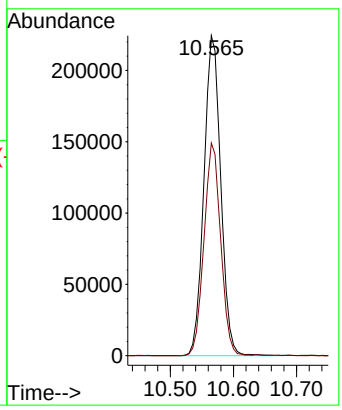


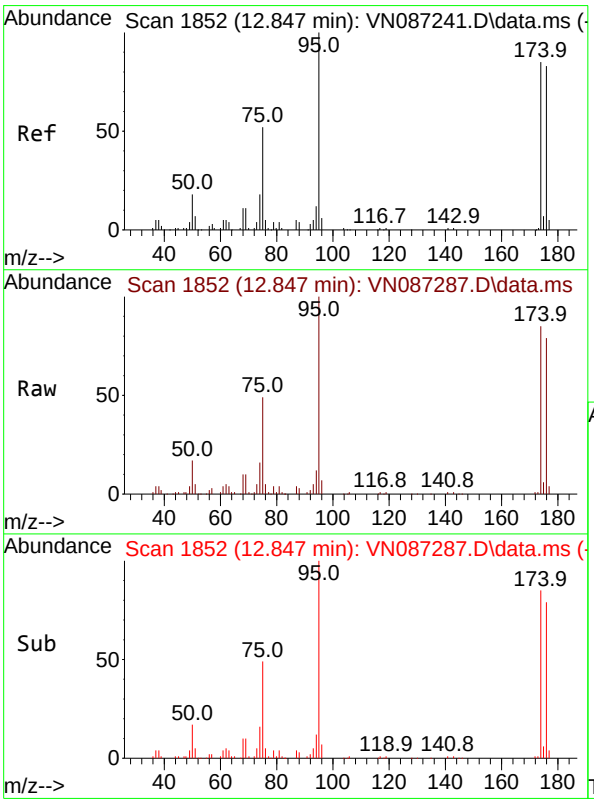
#50
Toluene-d8
Concen: 49.939 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion: 98 Resp: 415727

Ion	Ratio	Lower	Upper
98	100		
100	65.8	52.1	78.1

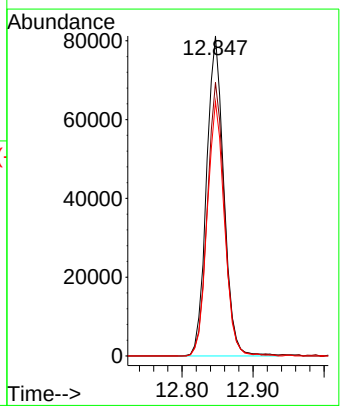


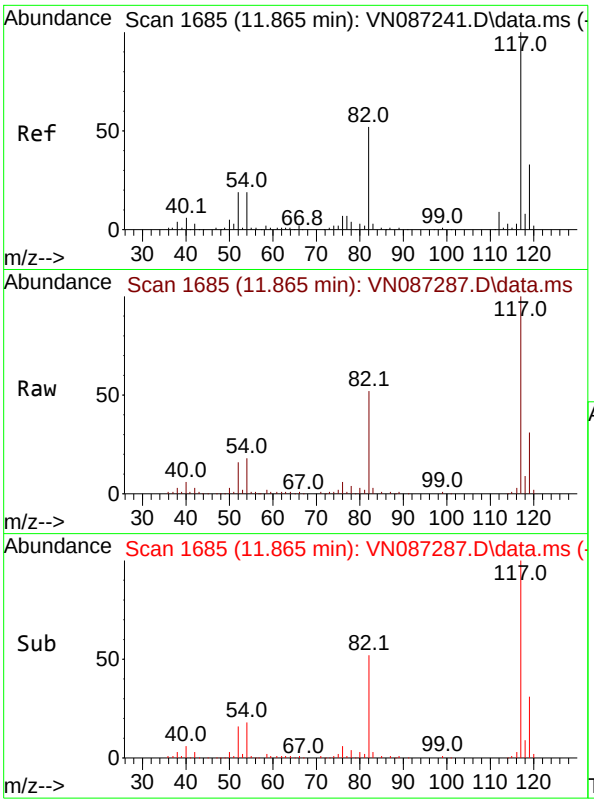


#62
4-Bromofluorobenzene
Concen: 46.478 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion: 95 Resp: 137665

Ion	Ratio	Lower	Upper
95	100		
174	85.1	0.0	169.6
176	79.1	0.0	161.6



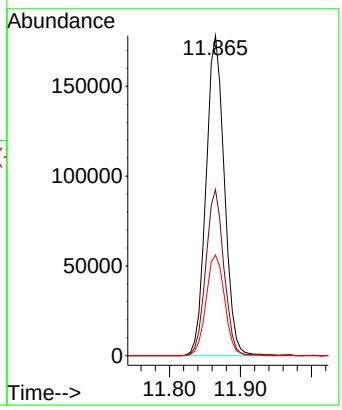


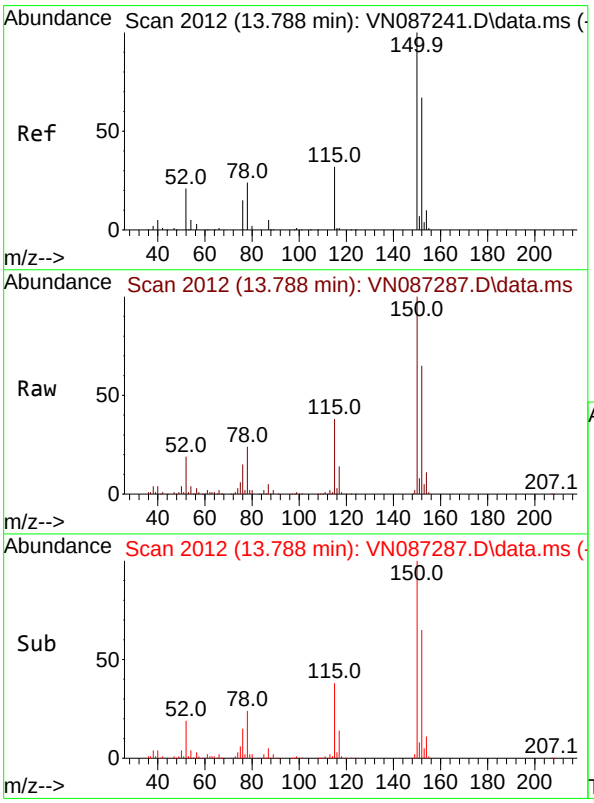
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Instrument :
MSVOA_N
ClientSampleId :
G3(3)

Tgt Ion:117 Resp: 319292

Ion	Ratio	Lower	Upper
117	100		
82	51.9	41.9	62.9
119	31.5	26.2	39.4

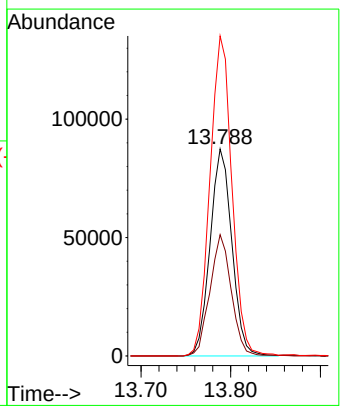




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087287.D
Acq: 07 Jul 2025 12:02

Tgt Ion:152 Resp: 147659

Ion	Ratio	Lower	Upper
152	100		
115	57.5	28.3	84.9
150	155.8	0.0	344.6



Raw Data: **VN087288.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(2.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-21	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:	Date Analyzed	Prep Batch ID
VN087288.D	1	07/07/25 12:23	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	5.60	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.8		74 - 125	116%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	49.9		86 - 113	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.4		77 - 121	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	230000	8.229			
540-36-3	1,4-Difluorobenzene	439000	9.106			
3114-55-4	Chlorobenzene-d5	427000	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\VN070725\
Data File : VN087288.D
Acq On : 07 Jul 2025 12:23
Operator : JC\MD
Sample : Q2487-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Quant Time: Jul 08 01:31:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

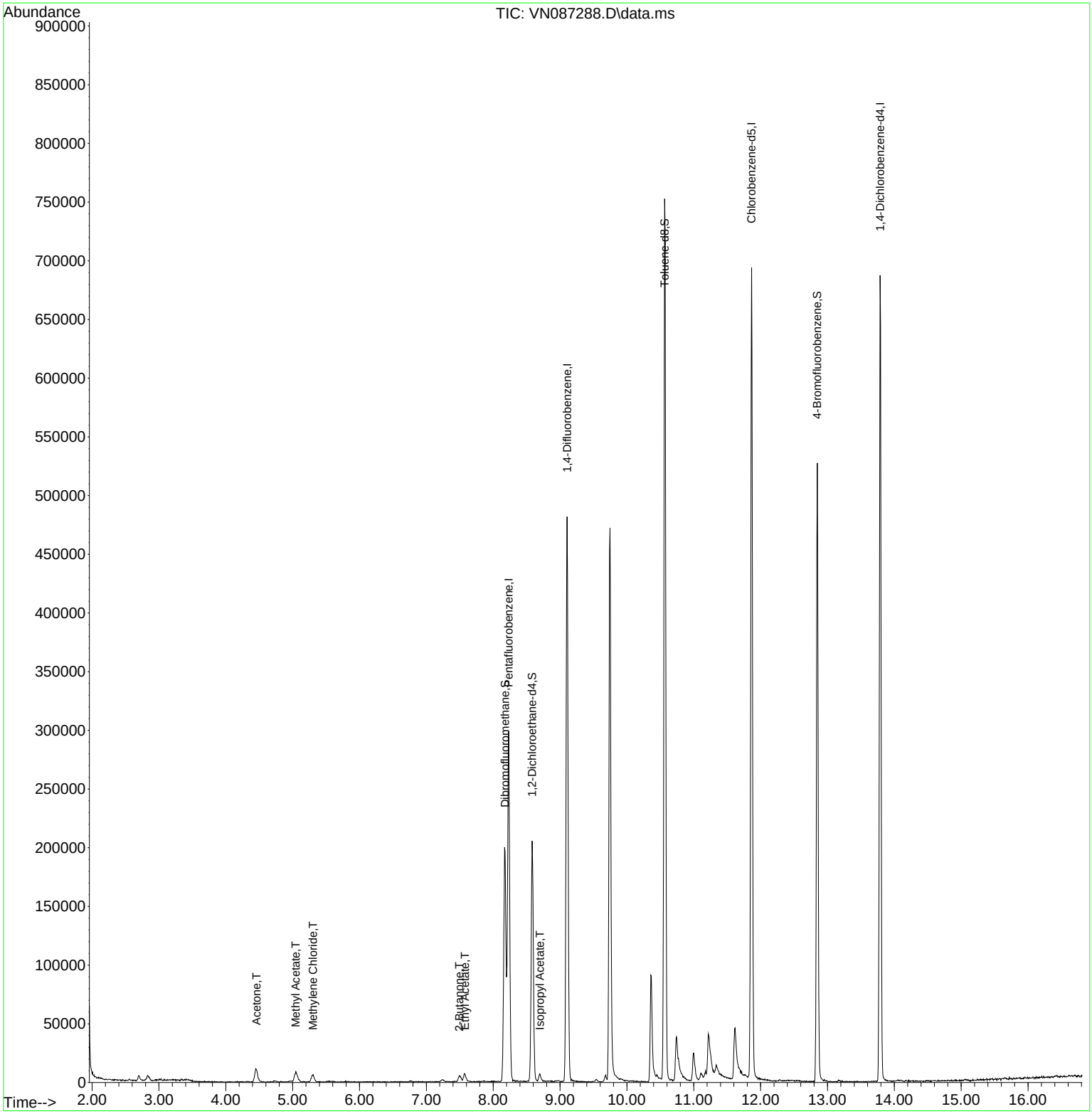
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	229669	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	438833	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	427268	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	202126	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	166739	57.846	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.700%			
35) Dibromofluoromethane	8.177	113	146425	52.111	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.220%			
50) Toluene-d8	10.565	98	546773	49.923	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.840%			
62) 4-Bromofluorobenzene	12.847	95	184835	47.431	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.860%			
Target Compounds						Qvalue
16) Acetone	4.459	43	22717	20.614	ug/l	95
18) Methyl Acetate	5.047	43	18711	7.417	ug/l	91
20) Methylene Chloride	5.306	84	5164	2.115	ug/l #	83
25) 2-Butanone	7.494	43	9574	5.559	ug/l #	85
37) Ethyl Acetate	7.577	43	10351	2.520	ug/l	96
43) Isopropyl Acetate	8.700	43	6928	1.088	ug/l #	77

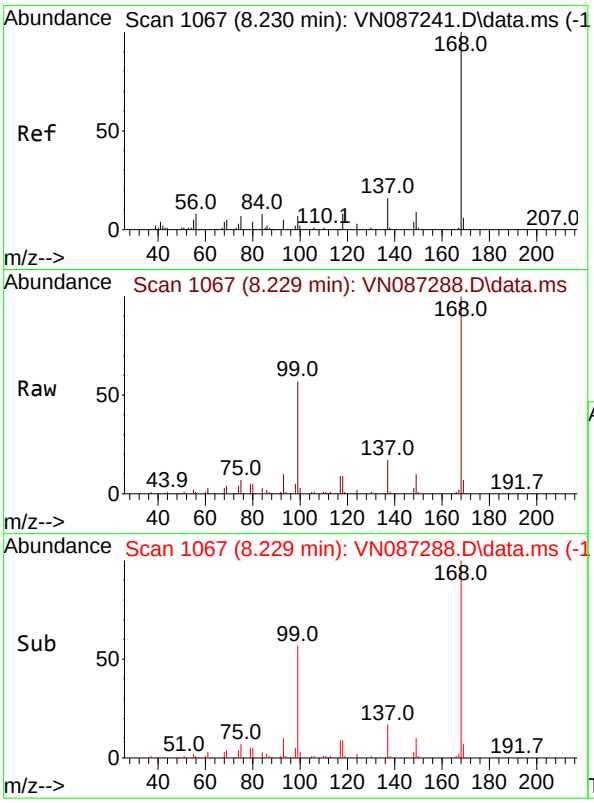
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087288.D
Acq On : 07 Jul 2025 12:23
Operator : JC\MD
Sample : Q2487-21
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Quant Time: Jul 08 01:31:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



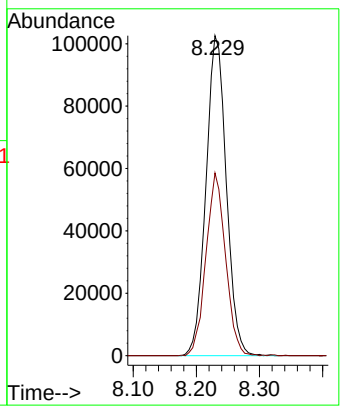


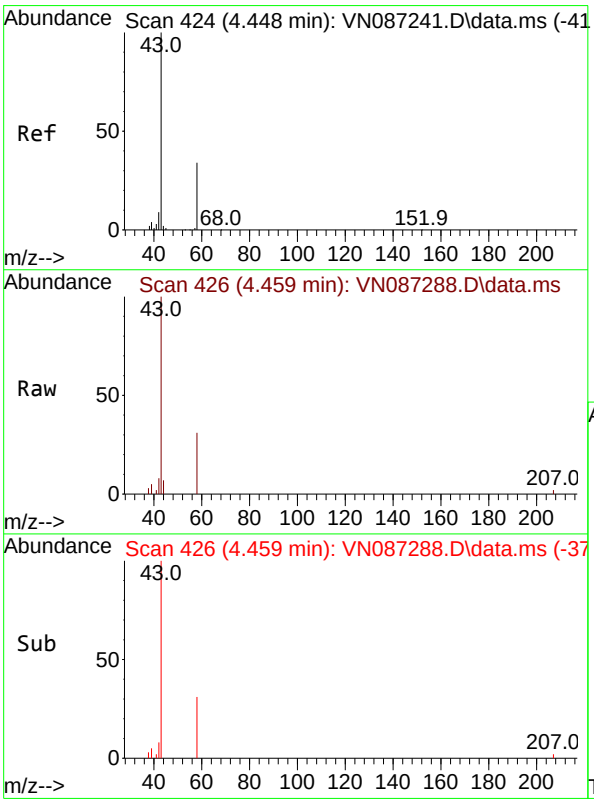
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion:168 Resp: 229669

Ion	Ratio	Lower	Upper
168	100		
99	57.1	42.6	64.0

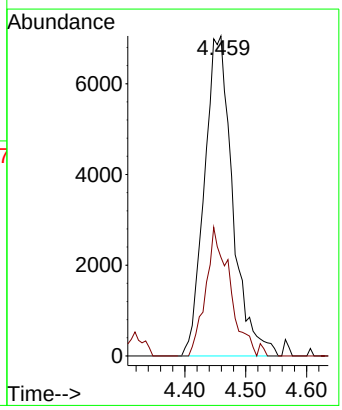


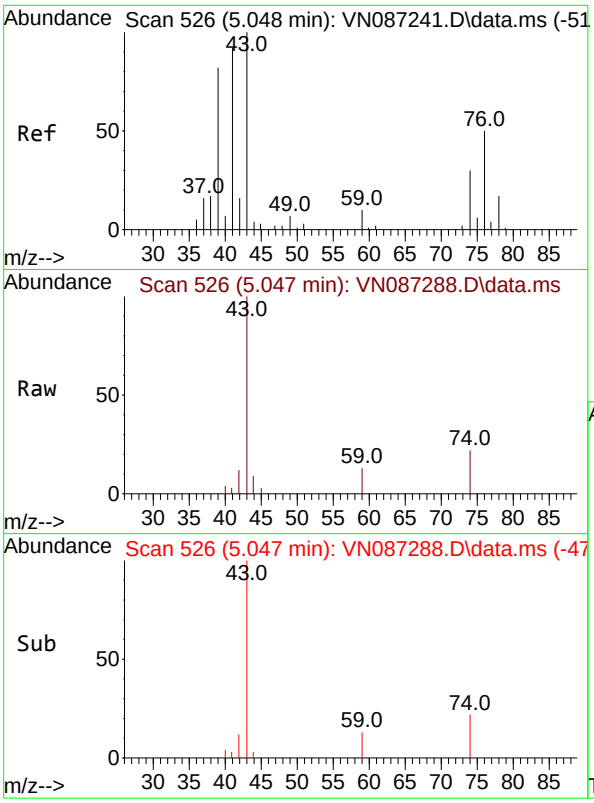


#16
Acetone
Concen: 20.614 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 22717

Ion	Ratio	Lower	Upper
43	100		
58	30.8	27.1	40.7



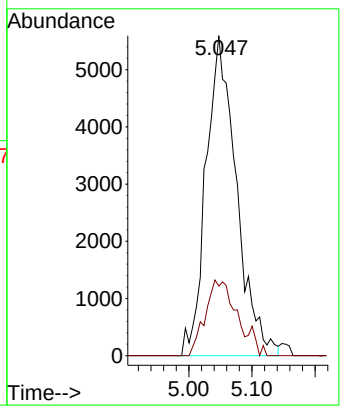


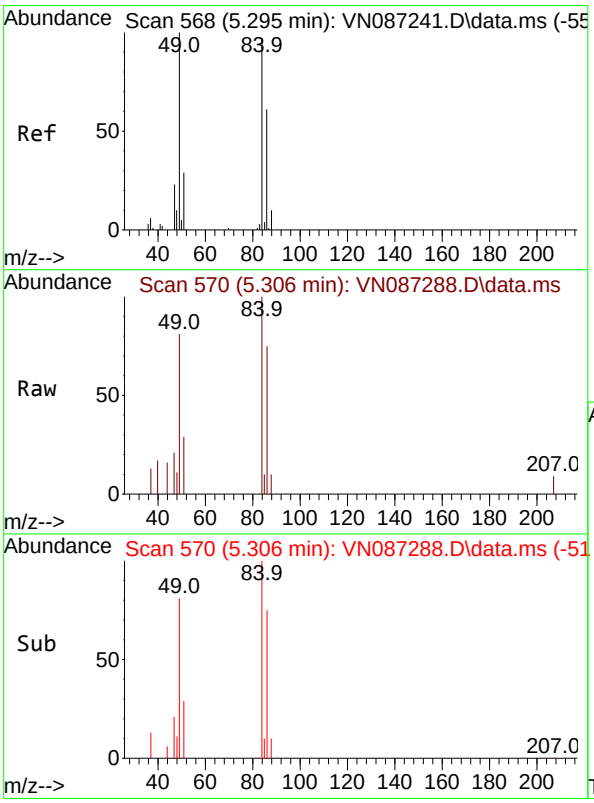
#18
Methyl Acetate
Concen: 7.417 ug/l
RT: 5.047 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion: 43 Resp: 18711

Ion	Ratio	Lower	Upper
43	100		
74	25.1	23.8	35.6

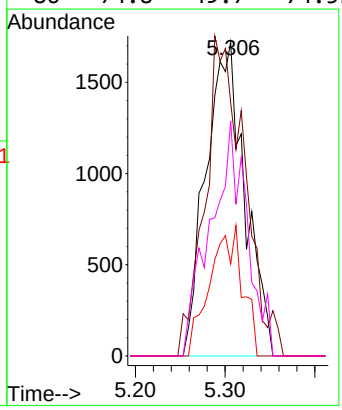


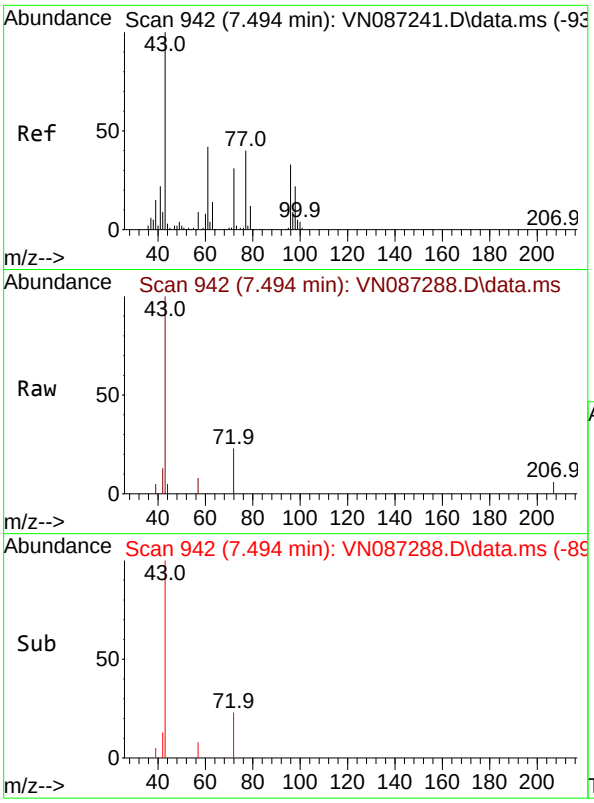


#20
Methylene Chloride
Concen: 2.115 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 84 Resp: 5164

Ion	Ratio	Lower	Upper
84	100		
49	80.7	82.1	123.1#
51	29.3	23.5	35.3
86	74.8	49.7	74.5#



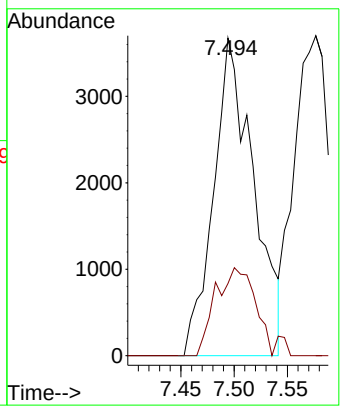


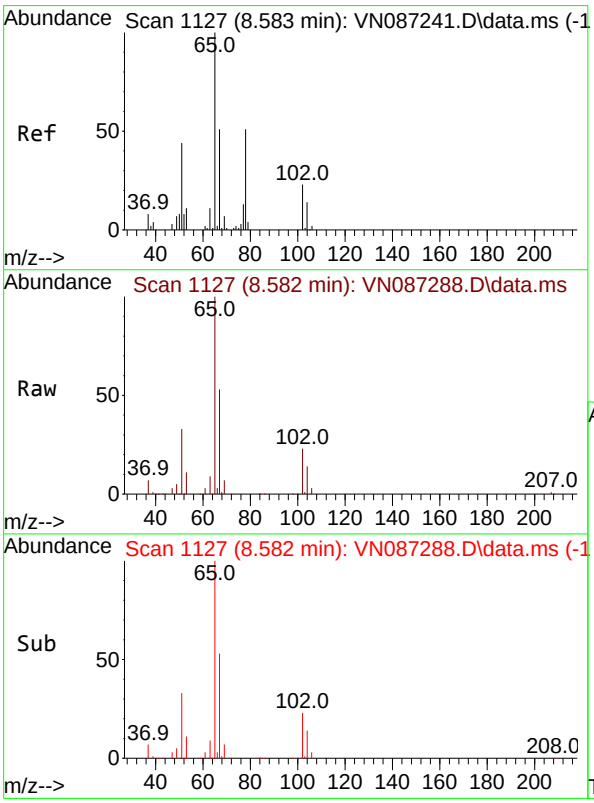
#25
2-Butanone
Concen: 5.559 ug/l
RT: 7.494 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion: 43 Resp: 9574

Ion	Ratio	Lower	Upper
43	100		
72	22.7	24.8	37.2#

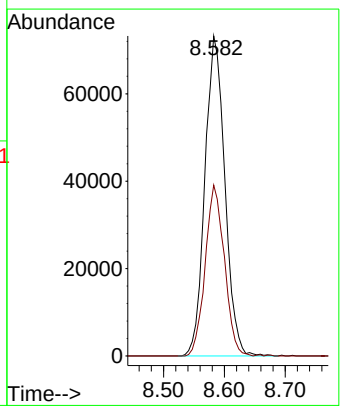


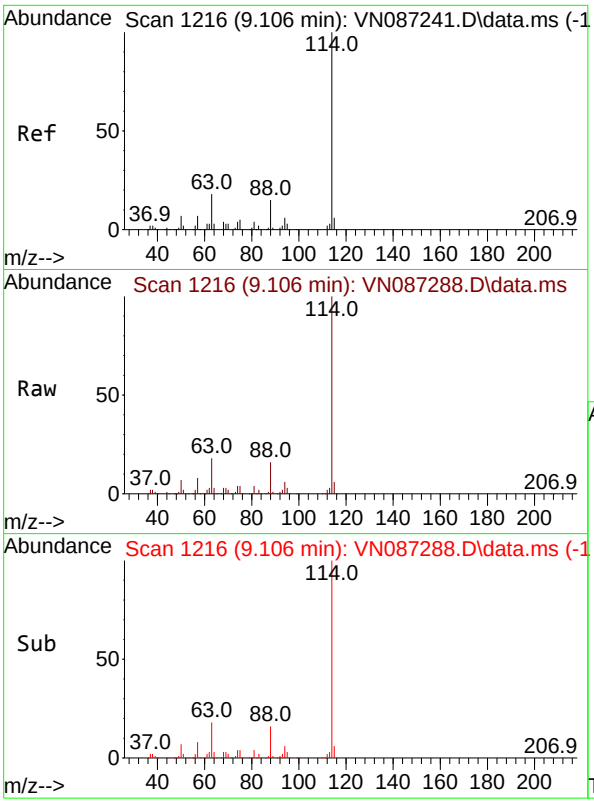


#33
1,2-Dichloroethane-d4
Concen: 57.846 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 65 Resp: 166739

Ion	Ratio	Lower	Upper
65	100		
67	51.3	0.0	102.6



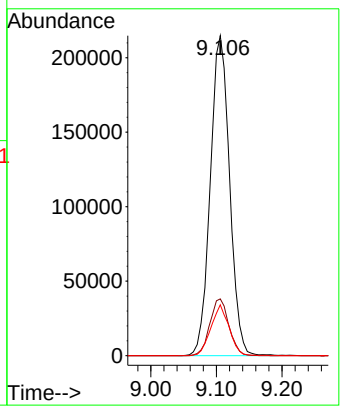


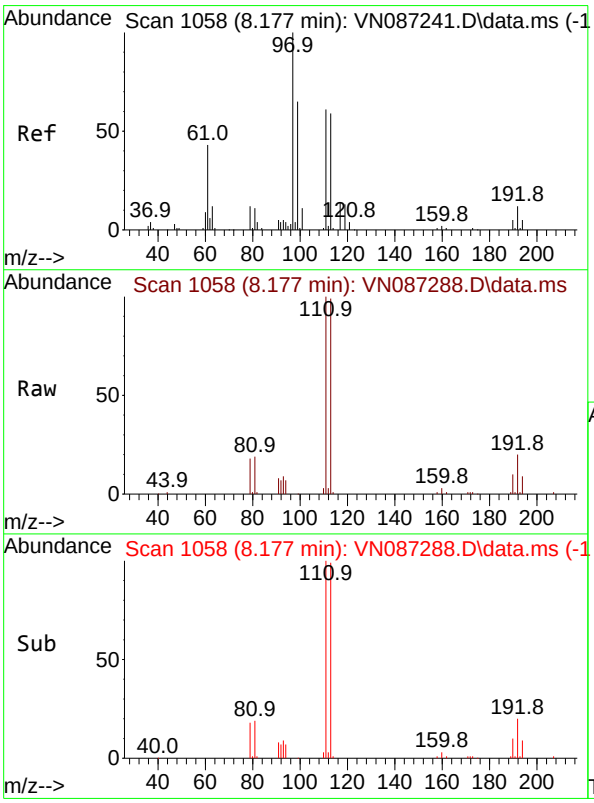
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion:114 Resp: 438833

Ion	Ratio	Lower	Upper
114	100		
63	17.7	0.0	36.6
88	15.9	0.0	29.6

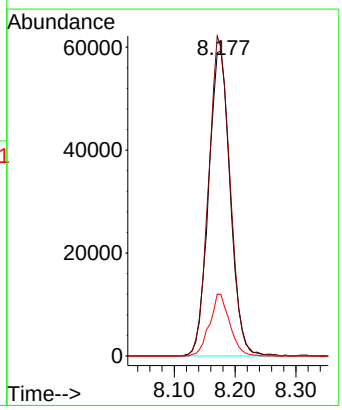


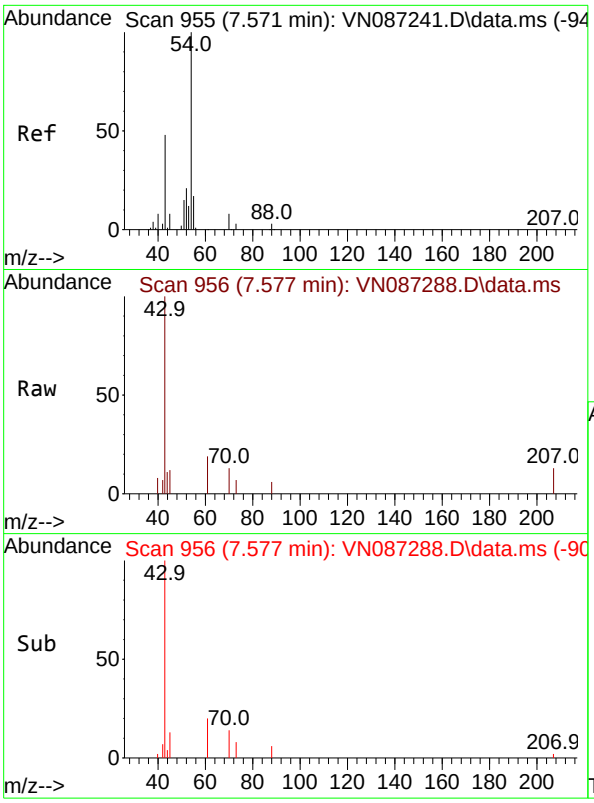


#35
Dibromofluoromethane
Concen: 52.111 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion:113 Resp: 146425

Ion	Ratio	Lower	Upper
113	100		
111	103.0	81.4	122.2
192	18.8	15.1	22.7



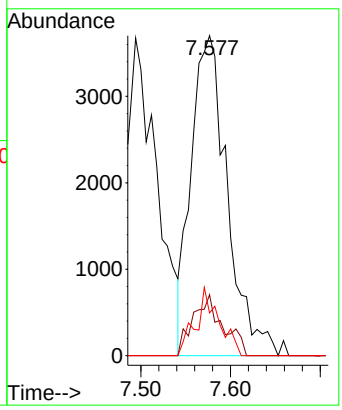


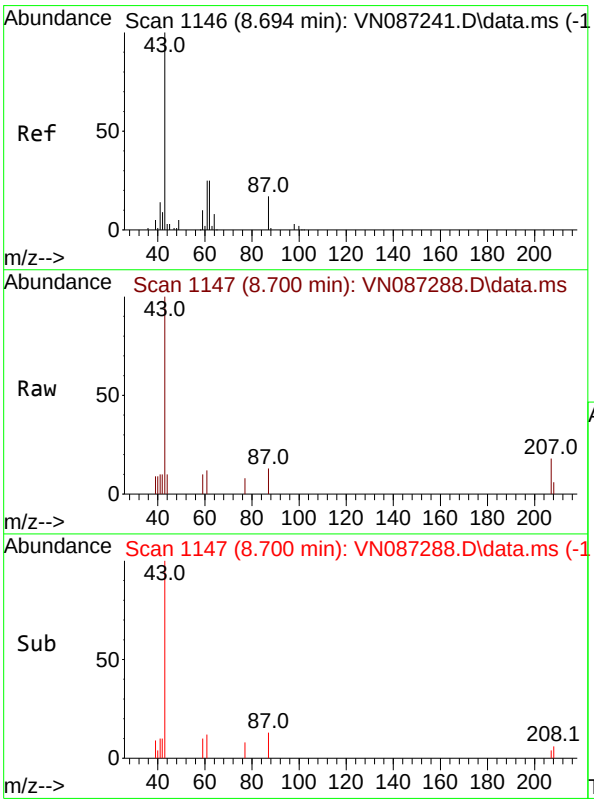
#37
Ethyl Acetate
Concen: 2.520 ug/l
RT: 7.577 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion: 43 Resp: 10351

Ion	Ratio	Lower	Upper
43	100		
61	15.8	11.3	16.9
70	13.7	9.9	14.9

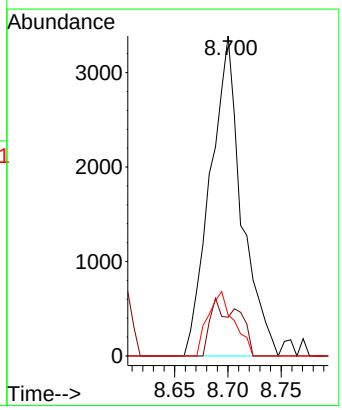


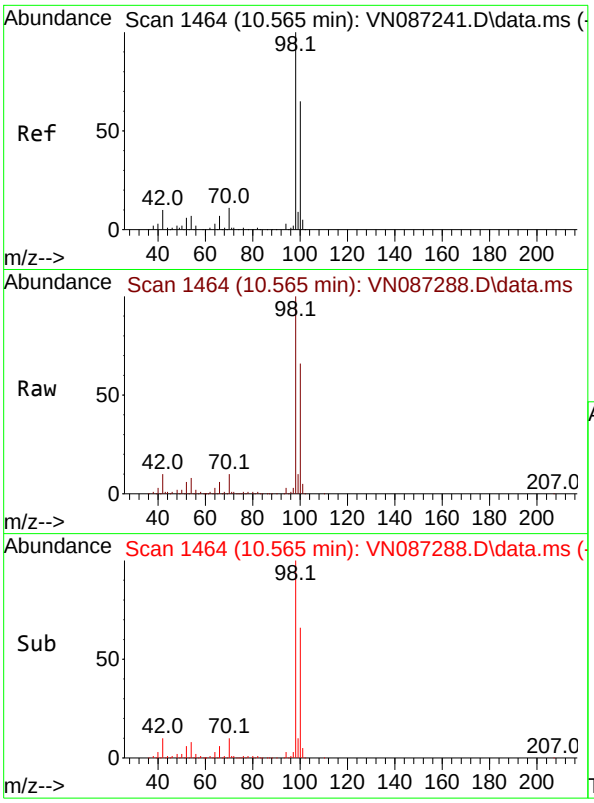


#43
Isopropyl Acetate
Concen: 1.088 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 43 Resp: 6928

Ion	Ratio	Lower	Upper
43	100		
61	9.2	22.4	33.6#
87	16.7	12.8	19.2



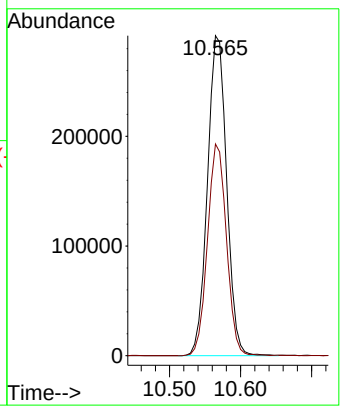


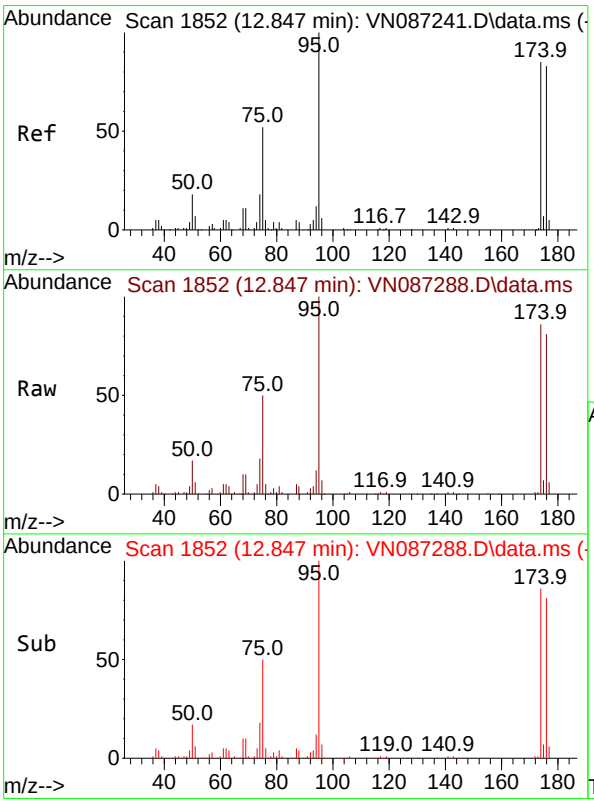
#50
Toluene-d8
Concen: 49.923 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion: 98 Resp: 546773

Ion	Ratio	Lower	Upper
98	100		
100	65.4	52.1	78.1

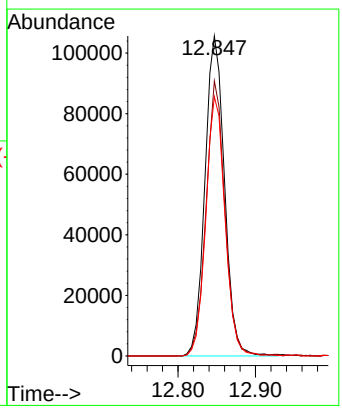


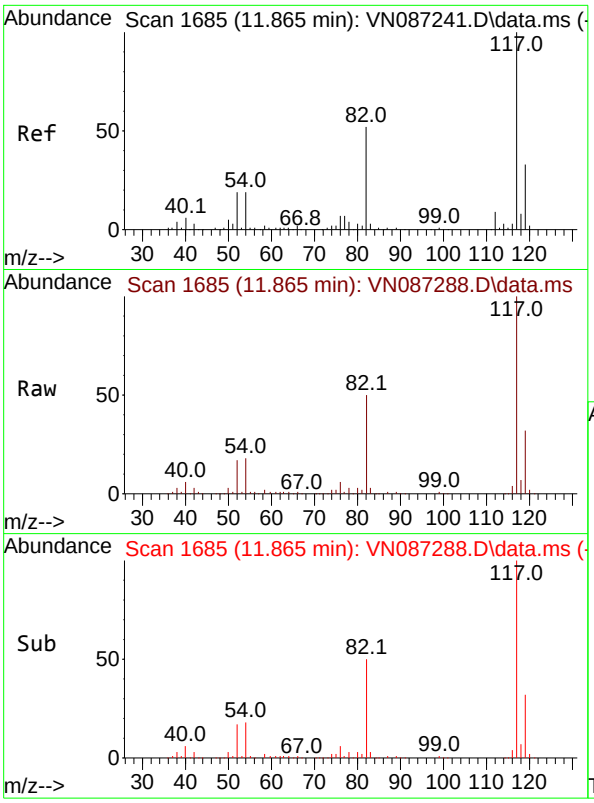


#62
4-Bromofluorobenzene
Concen: 47.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion: 95 Resp: 184835

Ion	Ratio	Lower	Upper
95	100		
174	83.3	0.0	169.6
176	79.4	0.0	161.6



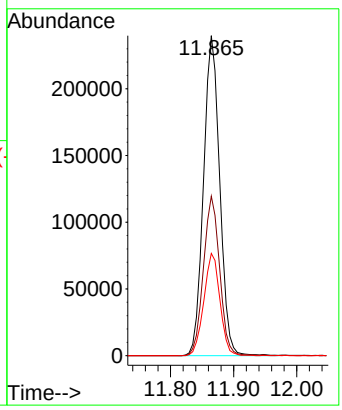


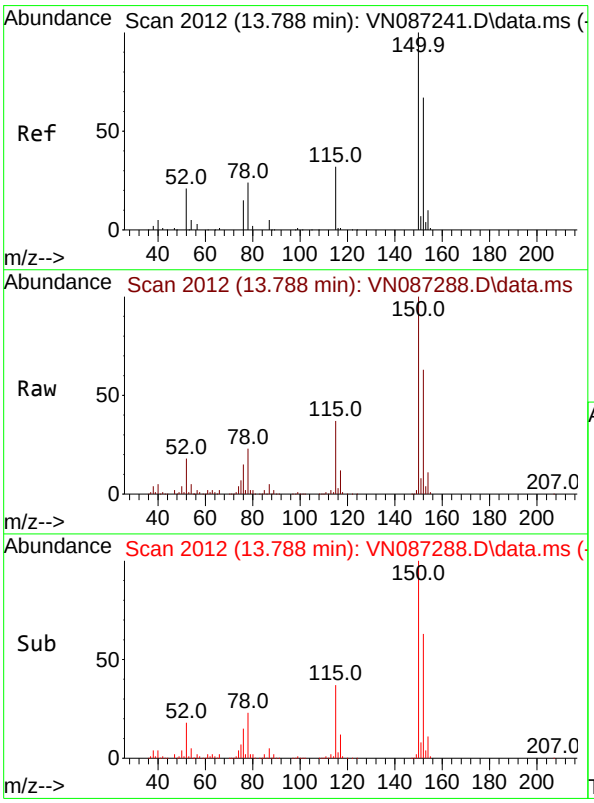
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Instrument :
MSVOA_N
ClientSampleId :
G2(2.5)

Tgt Ion:117 Resp: 427268

Ion	Ratio	Lower	Upper
117	100		
82	49.8	41.9	62.9
119	32.0	26.2	39.4

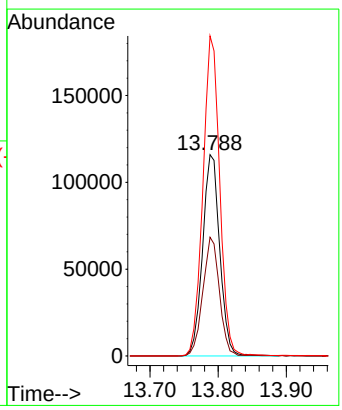




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087288.D
Acq: 07 Jul 2025 12:23

Tgt Ion:152 Resp: 202126

Ion	Ratio	Lower	Upper
152	100		
115	57.3	28.3	84.9
150	156.4	0.0	344.6



Raw Data: **VN087289.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G2(9)	SDG No.:	Q2487
Lab Sample ID:	Q2487-22	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:	Date Analyzed	Prep Batch ID
VN087289.D	1	07/07/25 12:44	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	10.7	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.2		74 - 125	118%	SPK: 50
1868-53-7	Dibromofluoromethane	53.2		75 - 124	106%	SPK: 50
2037-26-5	Toluene-d8	50.4		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		77 - 121	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	193000	8.229			
540-36-3	1,4-Difluorobenzene	369000	9.106			
3114-55-4	Chlorobenzene-d5	359000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	170000	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\VN070725\
Data File : VN087289.D
Acq On : 07 Jul 2025 12:44
Operator : JC\MD
Sample : Q2487-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Quant Time: Jul 08 01:32:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

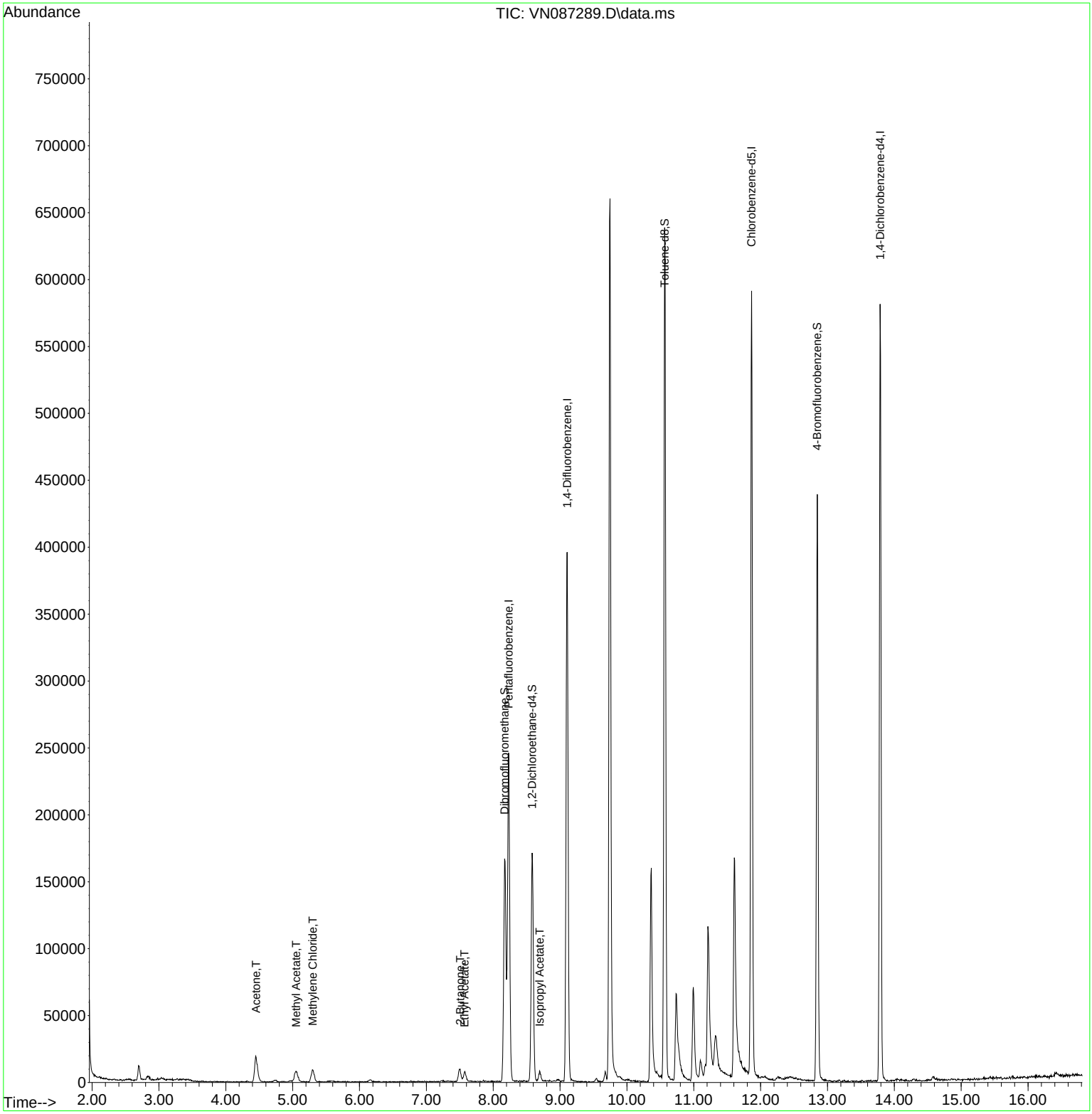
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	193002	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	368733	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	358573	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	170388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	143492	59.238	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.480%			
35) Dibromofluoromethane	8.171	113	125690	53.235	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.480%			
50) Toluene-d8	10.565	98	464230	50.444	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.880%			
62) 4-Bromofluorobenzene	12.847	95	158480	48.399	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.800%			
Target Compounds						Qvalue
16) Acetone	4.453	43	37169	40.136	ug/l	100
18) Methyl Acetate	5.053	43	18324	8.643	ug/l	93
20) Methylene Chloride	5.300	84	7973	3.886	ug/l	96
25) 2-Butanone	7.506	43	15488	10.702	ug/l	97
37) Ethyl Acetate	7.571	43	11501	3.332	ug/l	98
43) Isopropyl Acetate	8.694	43	7992	1.493	ug/l #	91

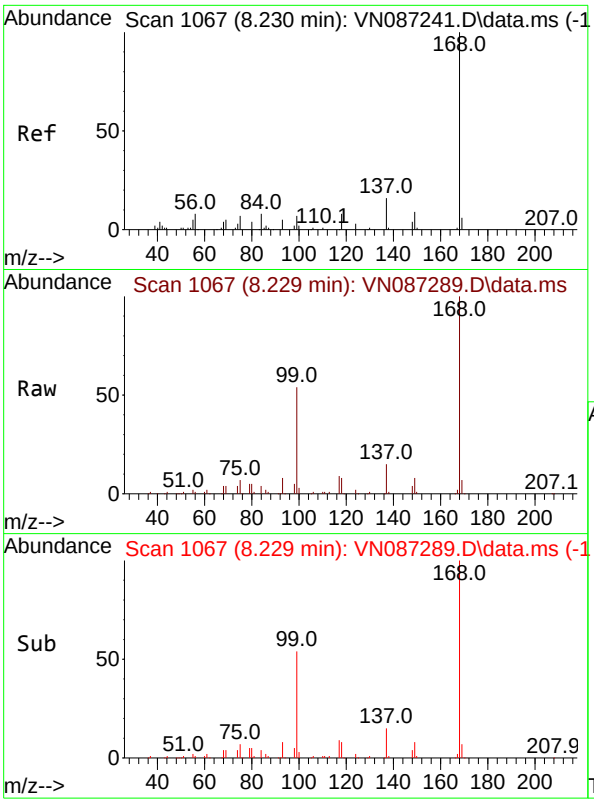
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087289.D
Acq On : 07 Jul 2025 12:44
Operator : JC\MD
Sample : Q2487-22
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Quant Time: Jul 08 01:32:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



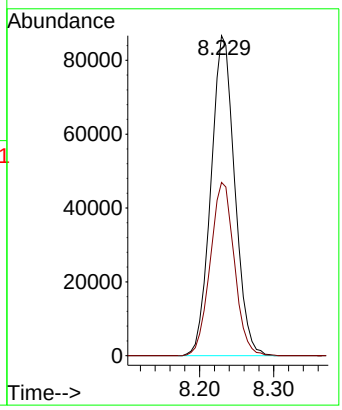


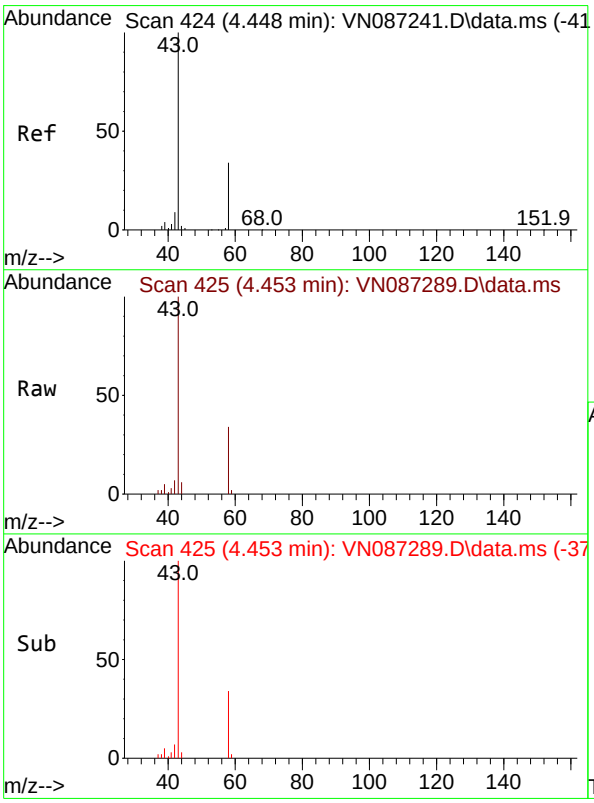
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion:168 Resp: 193002

Ion	Ratio	Lower	Upper
168	100		
99	54.2	42.6	64.0

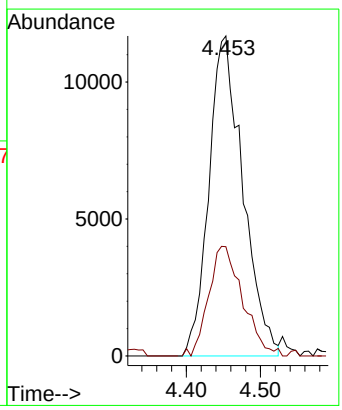


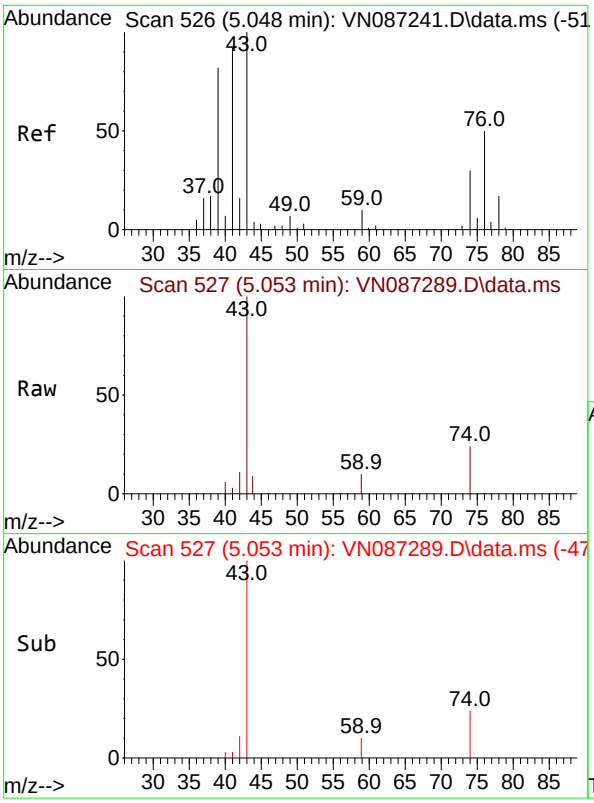


#16
Acetone
Concen: 40.136 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 43 Resp: 37169

Ion	Ratio	Lower	Upper
43	100		
58	34.1	27.1	40.7



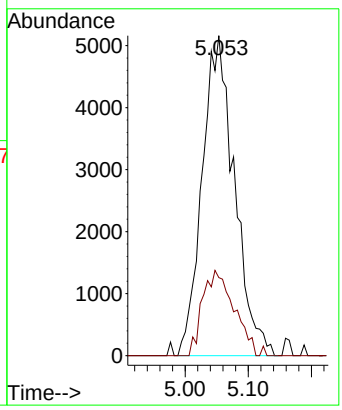


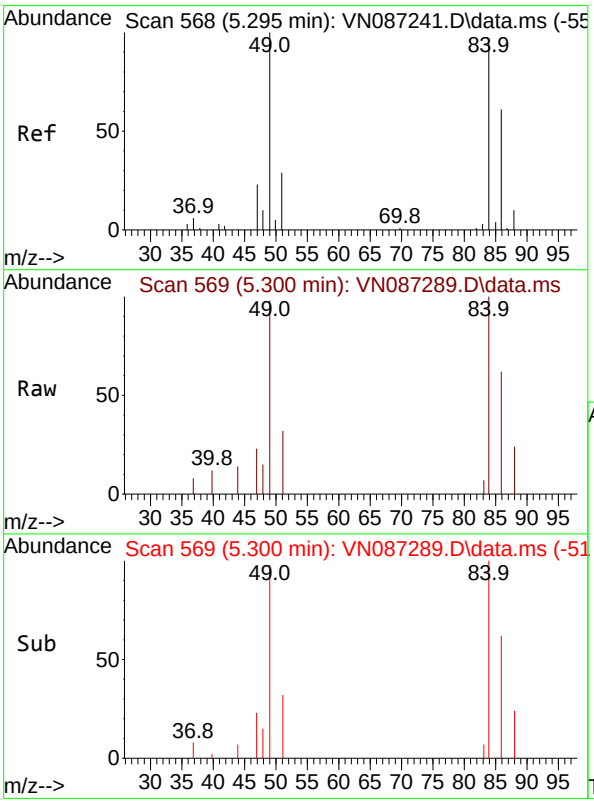
#18
Methyl Acetate
Concen: 8.643 ug/l
RT: 5.053 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion: 43 Resp: 18324

Ion	Ratio	Lower	Upper
43	100		
74	25.9	23.8	35.6

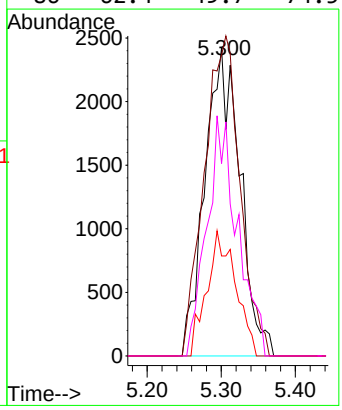


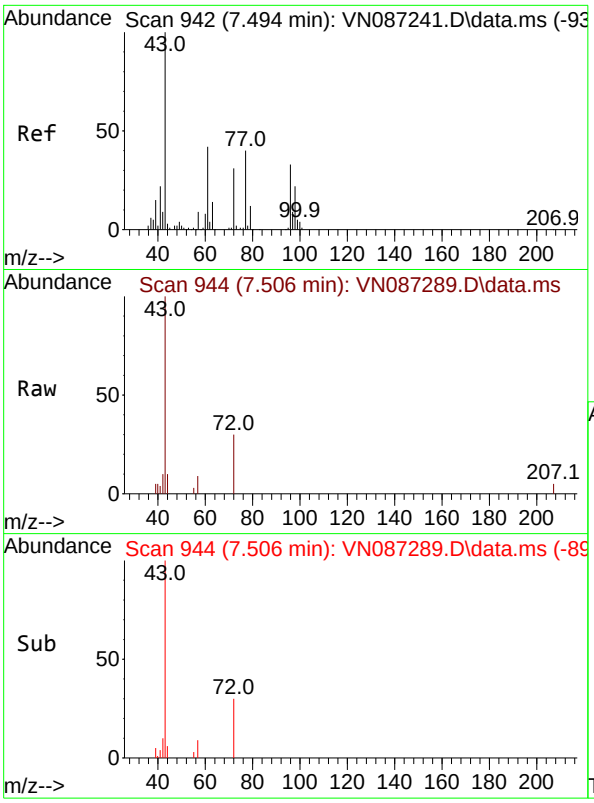


#20
Methylene Chloride
Concen: 3.886 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 84 Resp: 7973

Ion	Ratio	Lower	Upper
84	100		
49	97.6	82.1	123.1
51	32.5	23.5	35.3
86	62.4	49.7	74.5



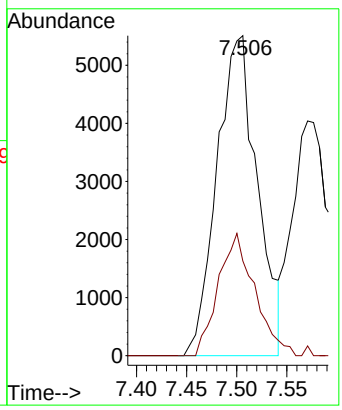


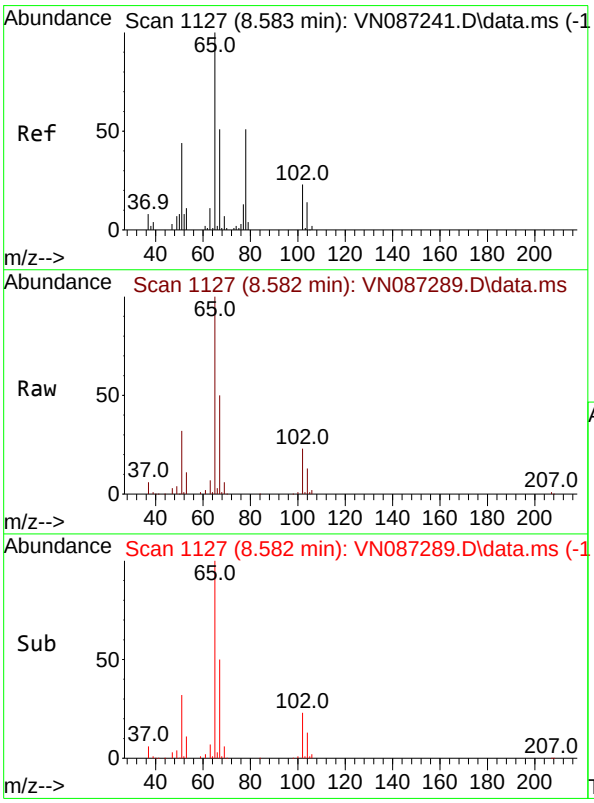
#25
2-Butanone
Concen: 10.702 ug/l
RT: 7.506 min Scan# 94
Delta R.T. 0.012 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion: 43 Resp: 15488

Ion	Ratio	Lower	Upper
43	100		
72	29.6	24.8	37.2

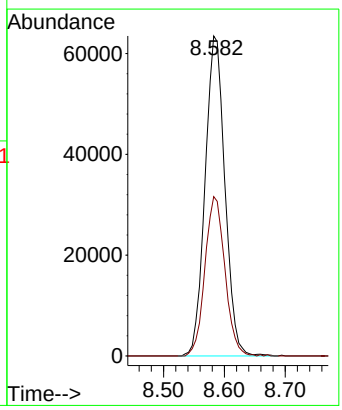


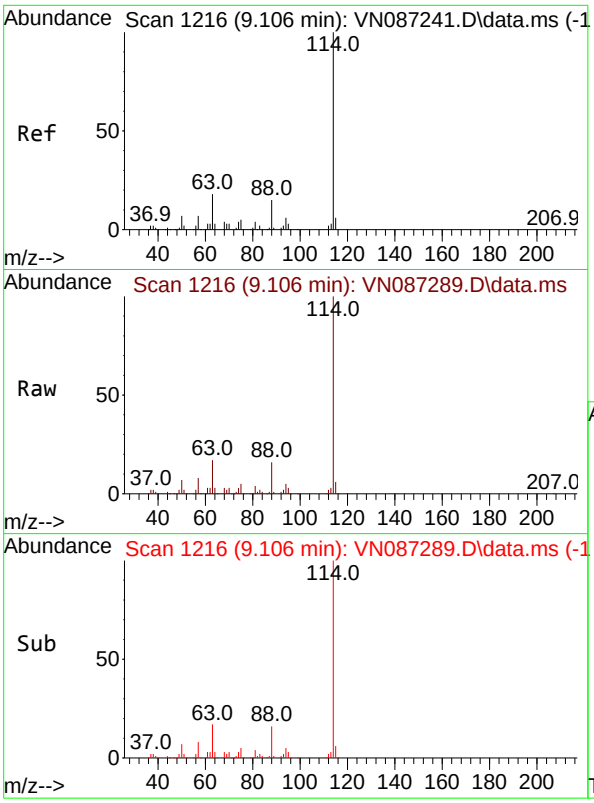


#33
1,2-Dichloroethane-d4
Concen: 59.238 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 65 Resp: 143492

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	102.6



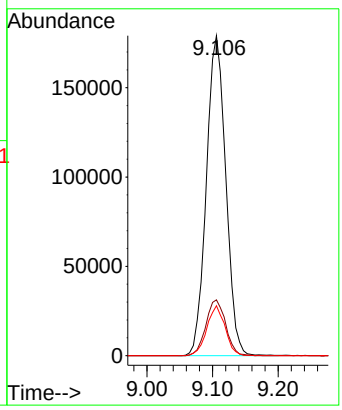


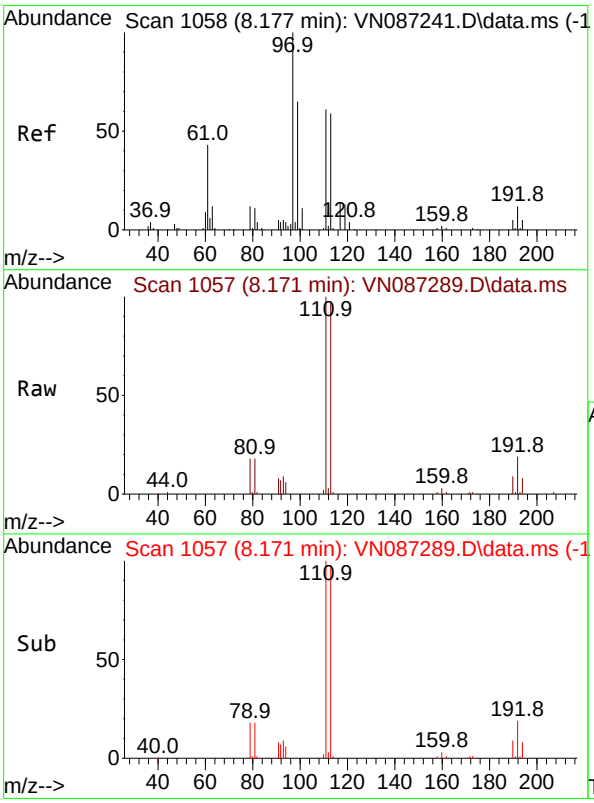
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion:114 Resp: 368733

Ion	Ratio	Lower	Upper
114	100		
63	17.4	0.0	36.6
88	15.6	0.0	29.6

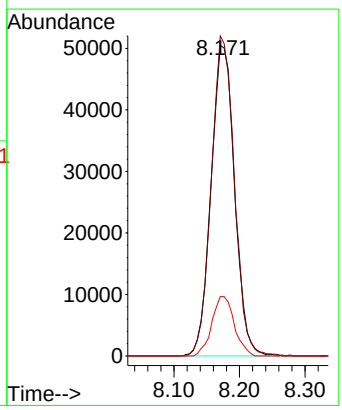


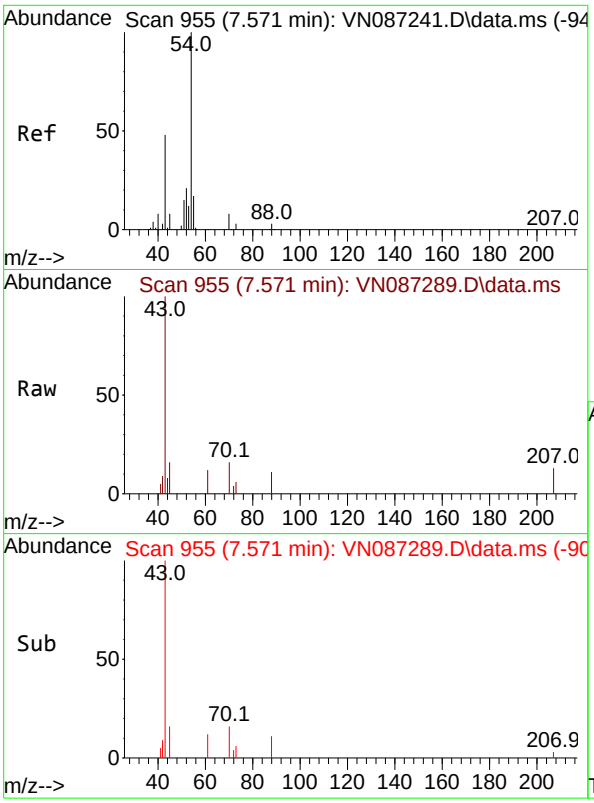


#35
Dibromofluoromethane
Concen: 53.235 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion:113 Resp: 125690

Ion	Ratio	Lower	Upper
113	100		
111	100.9	81.4	122.2
192	18.3	15.1	22.7



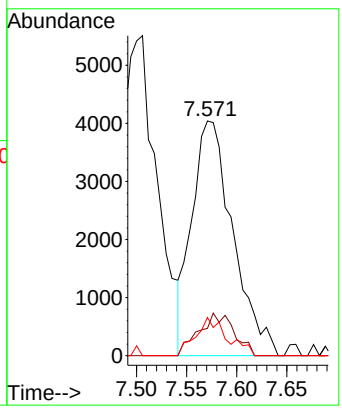


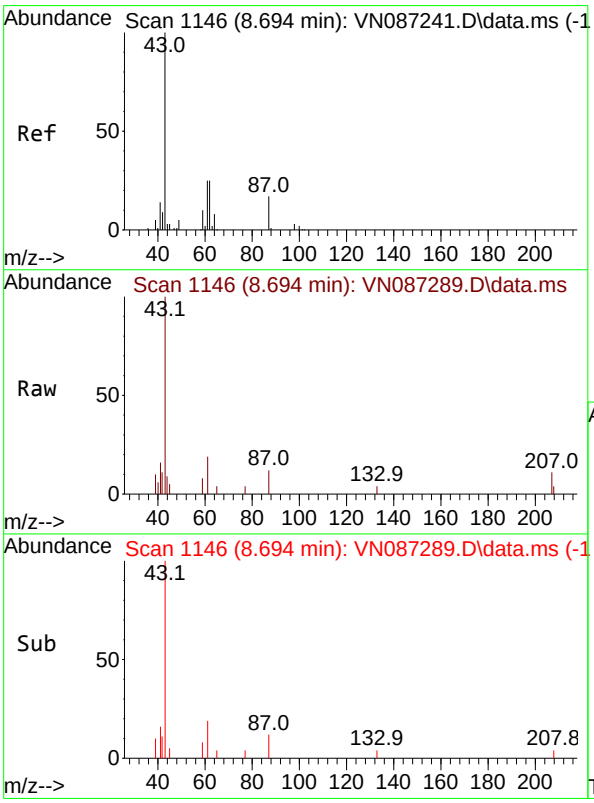
#37
Ethyl Acetate
Concen: 3.332 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion: 43 Resp: 11501

Ion	Ratio	Lower	Upper
43	100		
61	15.6	11.3	16.9
70	12.5	9.9	14.9

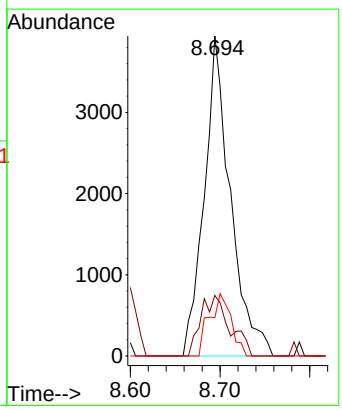


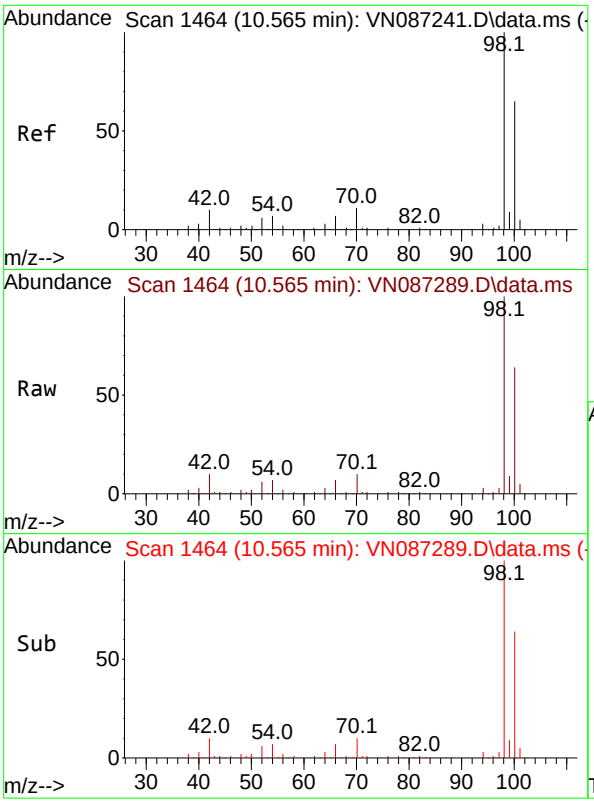


#43
Isopropyl Acetate
Concen: 1.493 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 43 Resp: 7992

Ion	Ratio	Lower	Upper
43	100		
61	20.8	22.4	33.6#
87	16.2	12.8	19.2



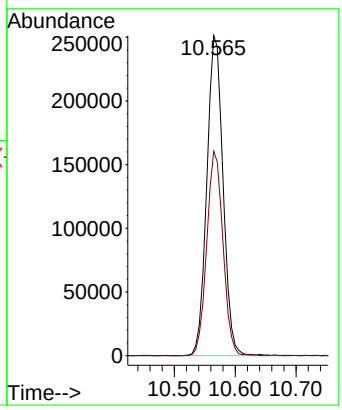


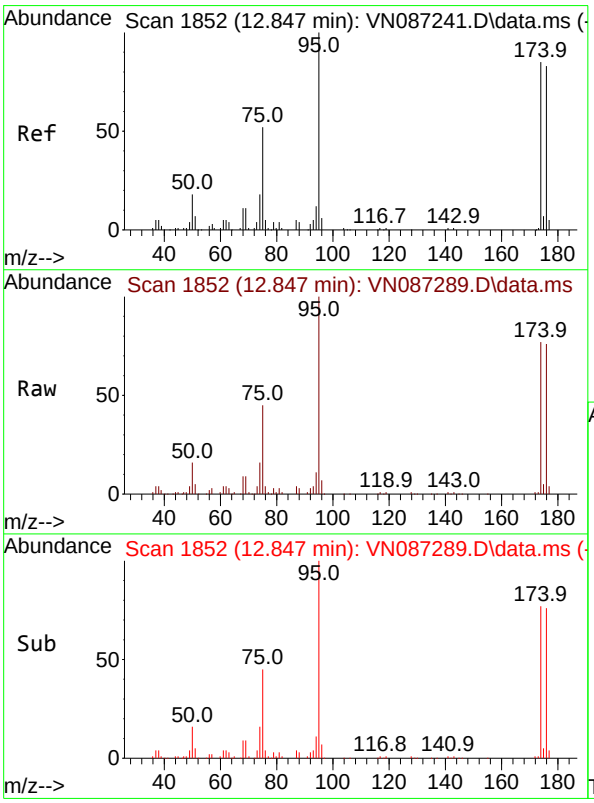
#50
Toluene-d8
Concen: 50.444 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion: 98 Resp: 464230

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.1	78.1

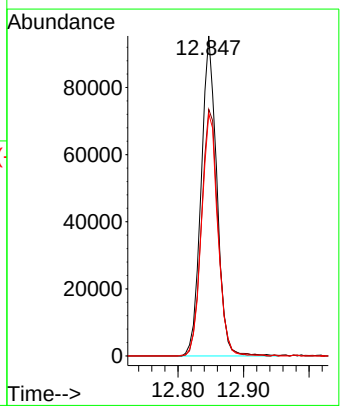


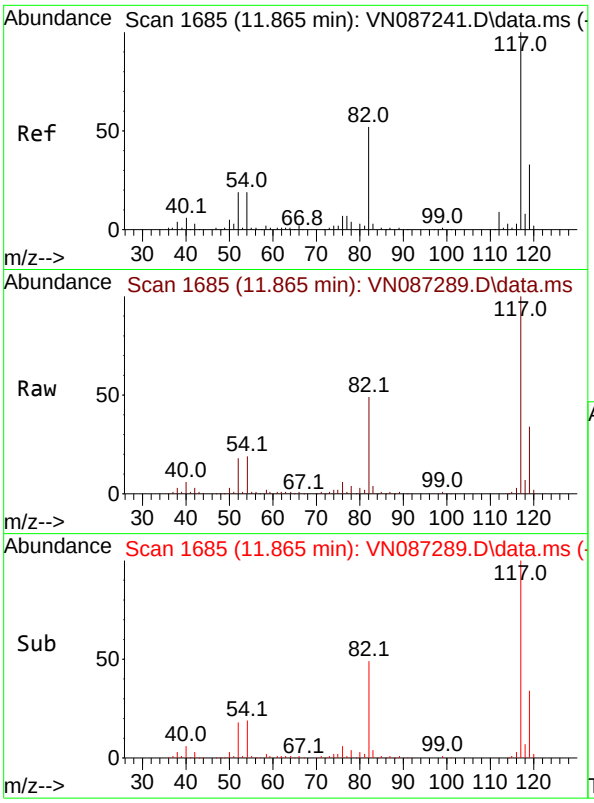


#62
4-Bromofluorobenzene
Concen: 48.399 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion: 95 Resp: 158480

Ion	Ratio	Lower	Upper
95	100		
174	81.6	0.0	169.6
176	78.5	0.0	161.6



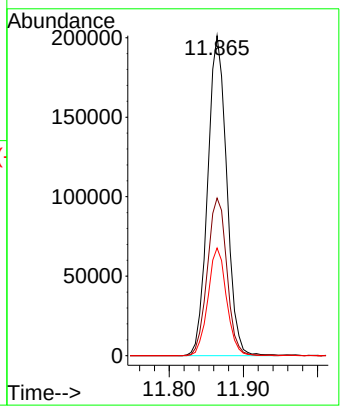


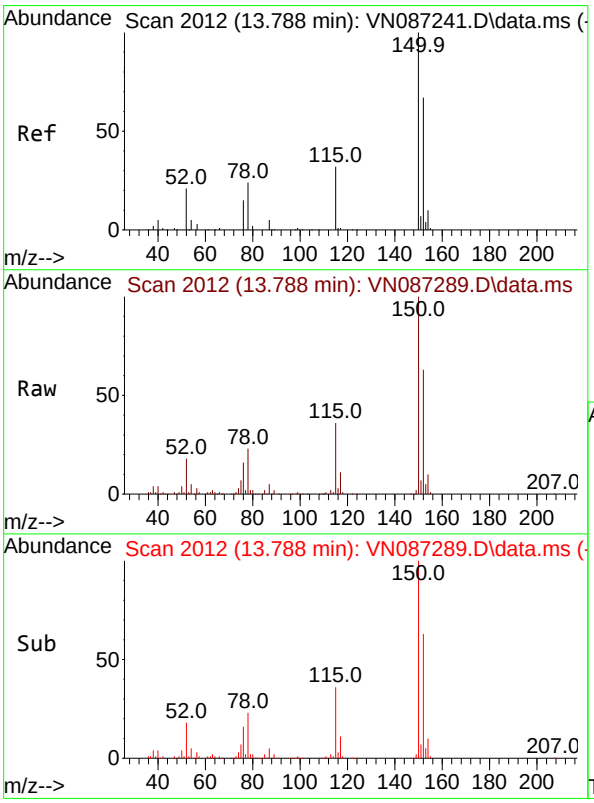
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Instrument :
MSVOA_N
ClientSampleId :
G2(9)

Tgt Ion:117 Resp: 358573

Ion	Ratio	Lower	Upper
117	100		
82	49.3	41.9	62.9
119	33.6	26.2	39.4

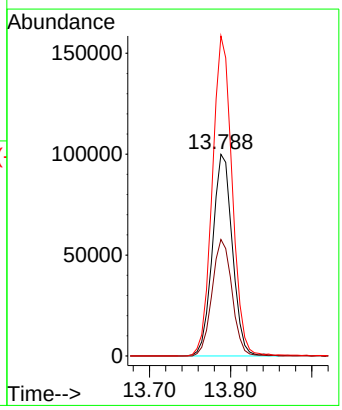




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087289.D
Acq: 07 Jul 2025 12:44

Tgt Ion:152 Resp: 170388

Ion	Ratio	Lower	Upper
152	100		
115	57.9	28.3	84.9
150	158.3	0.0	344.6



Raw Data: **VN087290.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(10)	SDG No.:	Q2487
Lab Sample ID:	Q2487-23	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:	Date Analyzed	Prep Batch ID
VN087290.D	1	07/07/25 13:05	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	18.9	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		74 - 125	119%	SPK: 50
1868-53-7	Dibromofluoromethane	53.4		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	50.5		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.9		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	180000	8.23			
540-36-3	1,4-Difluorobenzene	347000	9.106			
3114-55-4	Chlorobenzene-d5	338000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	160000	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\VN070725\
Data File : VN087290.D
Acq On : 07 Jul 2025 13:05
Operator : JC\MD
Sample : Q2487-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 01:32:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	180189	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	346519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	337646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	160324	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	134667	59.548	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 119.100%			
35) Dibromofluoromethane	8.171	113	118485	53.401	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 106.800%			
50) Toluene-d8	10.565	98	436873	50.515	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.847	95	147410	47.905	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 95.800%			
Target Compounds						Qvalue
16) Acetone	4.453	43	65948	76.276	ug/l	100
18) Methyl Acetate	5.053	43	18086	9.138	ug/l	94
20) Methylene Chloride	5.300	84	9317	4.865	ug/l	95
25) 2-Butanone	7.500	43	25559	18.916	ug/l	99
37) Ethyl Acetate	7.571	43	11161m	3.441	ug/l	
43) Isopropyl Acetate	8.694	43	7311	1.453	ug/l	92

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087290.D
Acq On : 07 Jul 2025 13:05
Operator : JC\MD
Sample : Q2487-23
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 08 01:32:46 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations APPROVED

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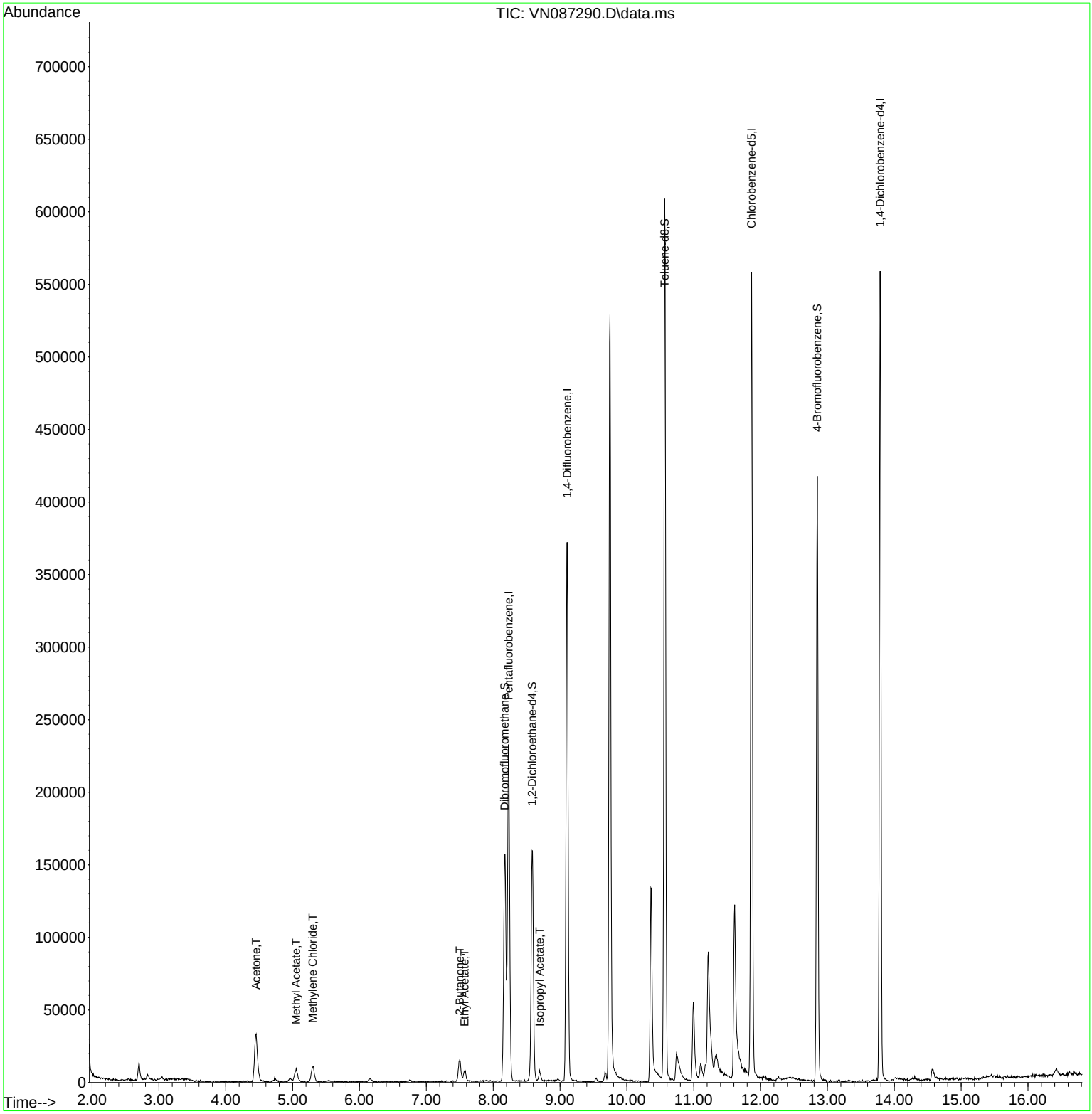

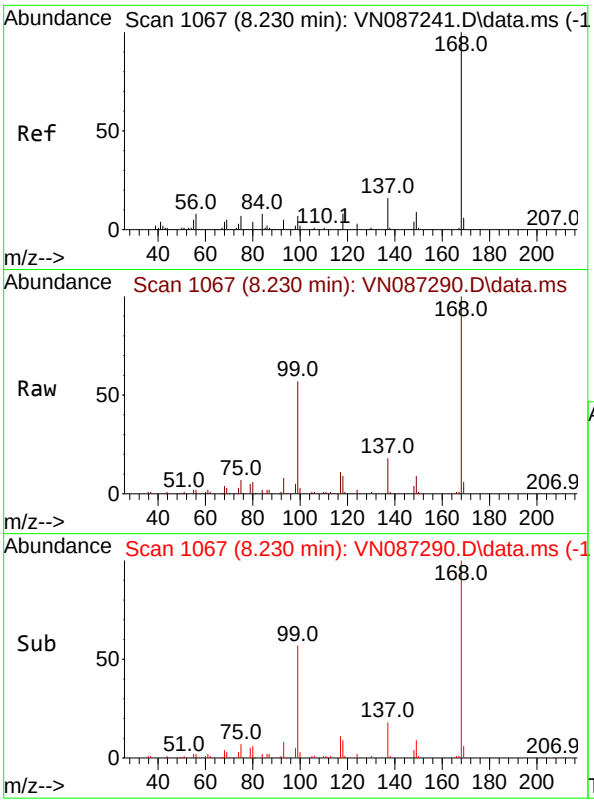

#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion:168 Resp: 18018

Ion	Ratio	Lower	Upper
168	100		
99	57.0	42.6	64.0

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
APPROVED

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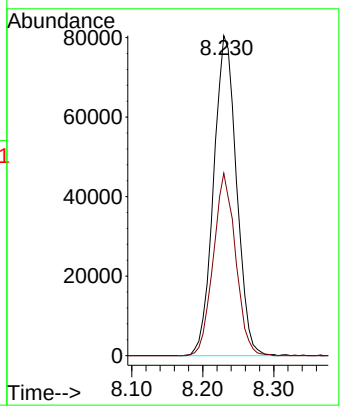
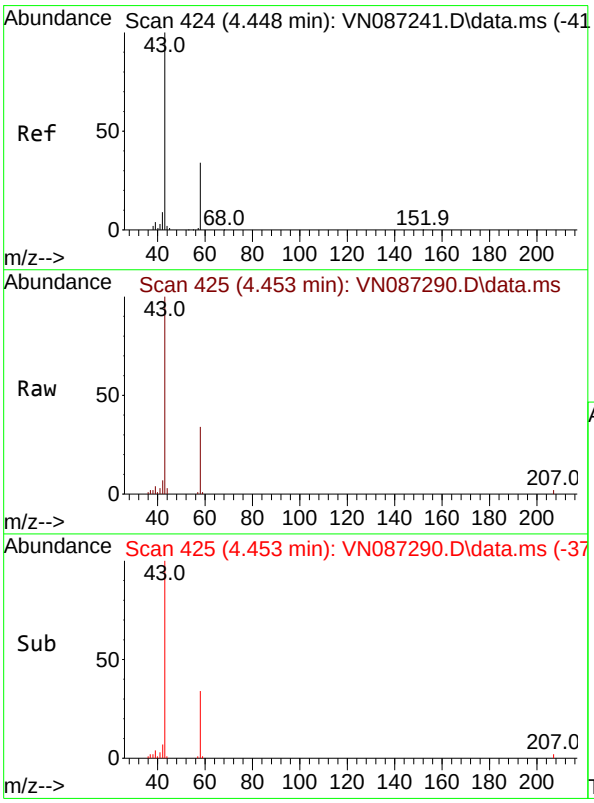
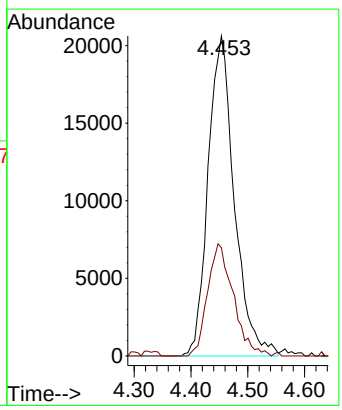


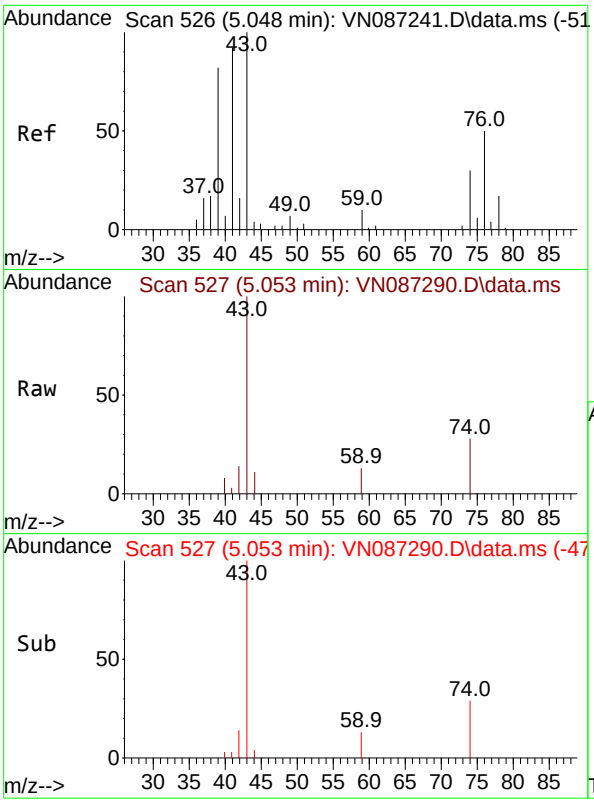


#16
Acetone
Concen: 76.276 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 43 Resp: 65948

Ion	Ratio	Lower	Upper
43	100		
58	33.8	27.1	40.7





#18
Methyl Acetate
Concen: 9.138 ug/l
RT: 5.053 min Scan# 5
Delta R.T. 0.006 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 43 Resp: 1808

Ion	Ratio	Lower	Upper
43	100		
74	26.4	23.8	35.6

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
APPROVED

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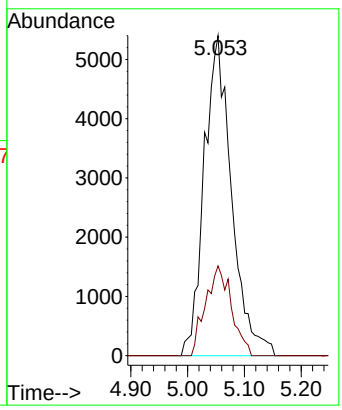
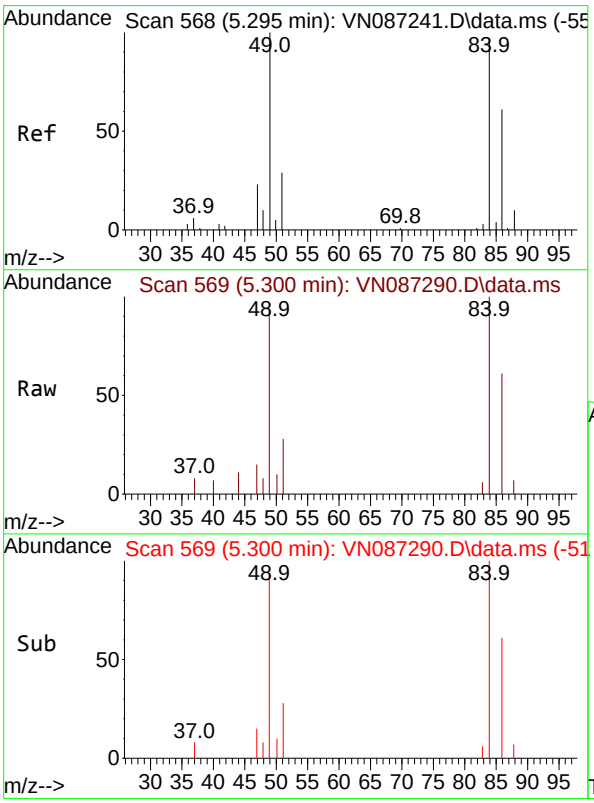
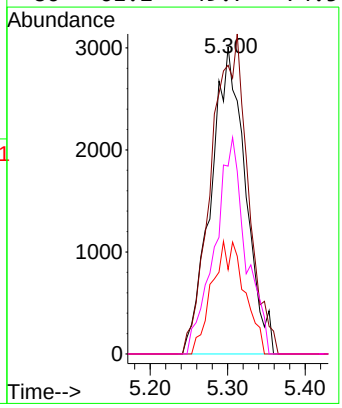


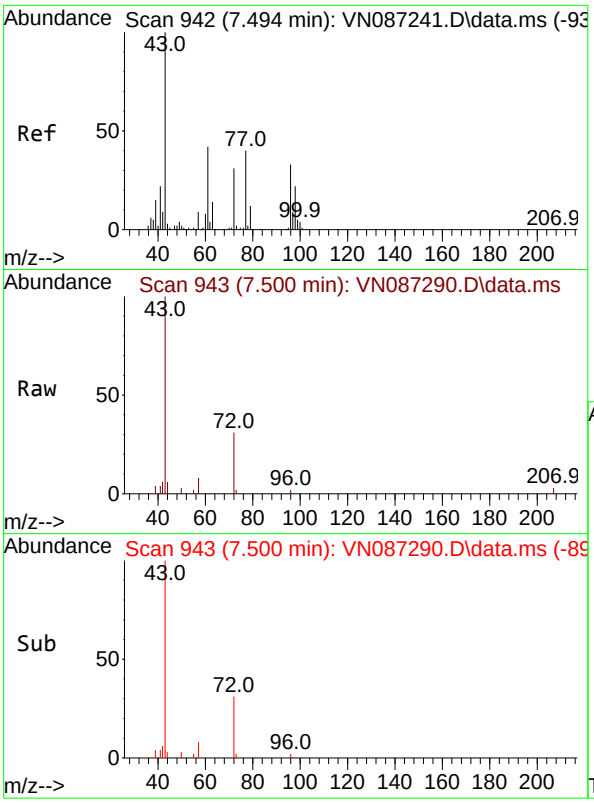


#20
Methylene Chloride
Concen: 4.865 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 84 Resp: 9317

Ion	Ratio	Lower	Upper
84	100		
49	93.9	82.1	123.1
51	27.5	23.5	35.3
86	61.2	49.7	74.5





#25
2-Butanone
Concen: 18.916 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 43 Resp: 2555

Ion	Ratio	Lower	Upper
43	100		
72	30.7	24.8	37.2

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
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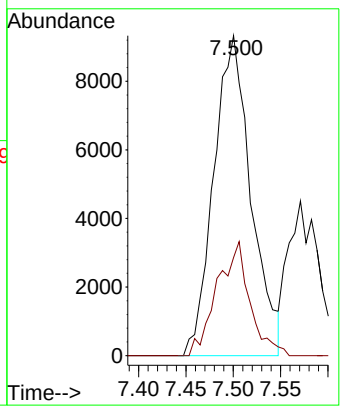
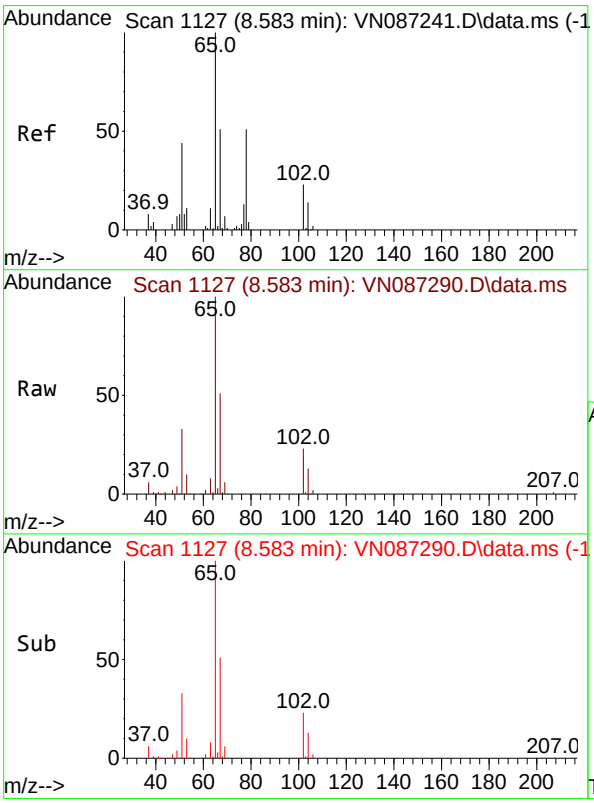
Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

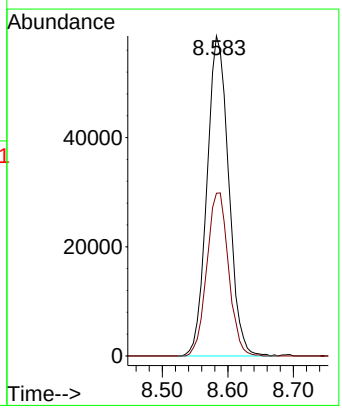


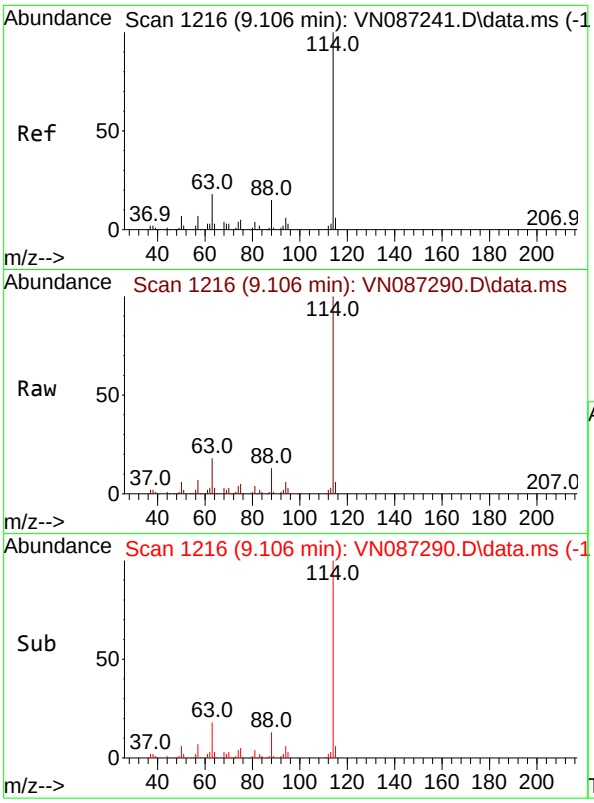


#33
1,2-Dichloroethane-d4
Concen: 59.548 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 65 Resp: 134667

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	102.6





#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion:114 Resp: 346519

Ion	Ratio	Lower	Upper
114	100		
63	18.1	0.0	36.6
88	13.5	0.0	29.6

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
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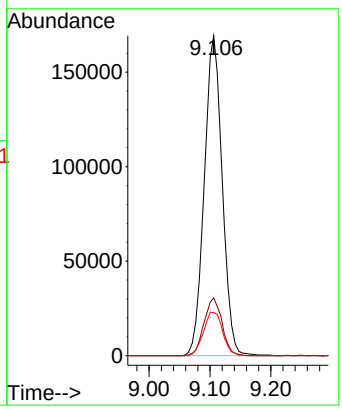
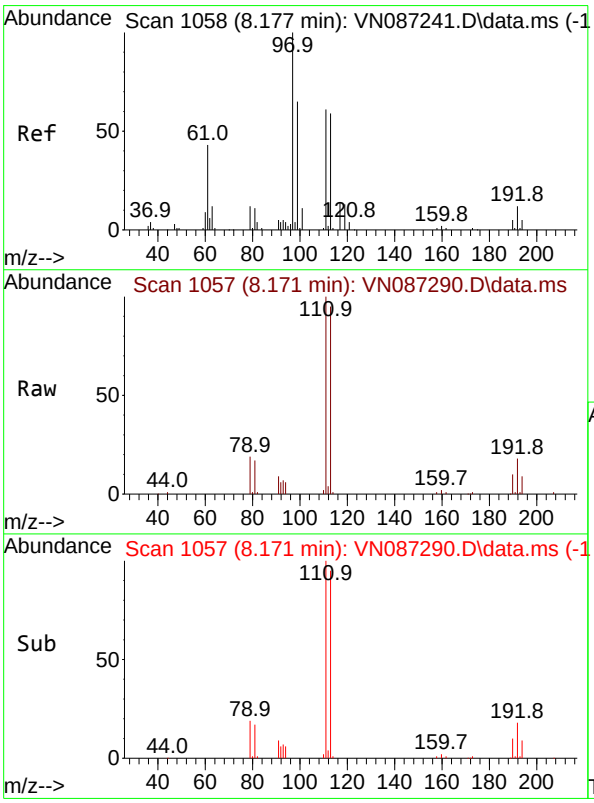
Supervised By :Mahesh Dadoda 07/08/2025

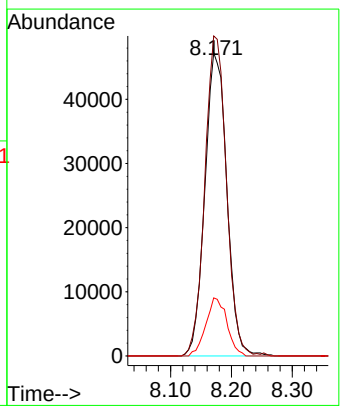


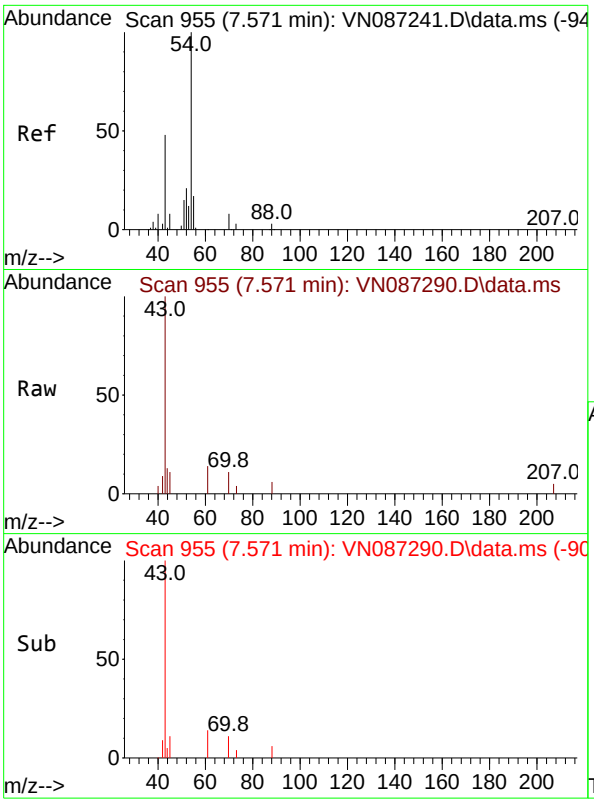


#35
Dibromofluoromethane
Concen: 53.401 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion:113 Resp: 118485

Ion	Ratio	Lower	Upper
113	100		
111	103.4	81.4	122.2
192	18.4	15.1	22.7





#37
Ethyl Acetate
Concen: 3.441 ug/l m
RT: 7.571 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 43 Resp: 1116

Ion	Ratio	Lower	Upper
43	100		
61	14.4	11.3	16.9
70	13.3	9.9	14.9

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
APPROVED

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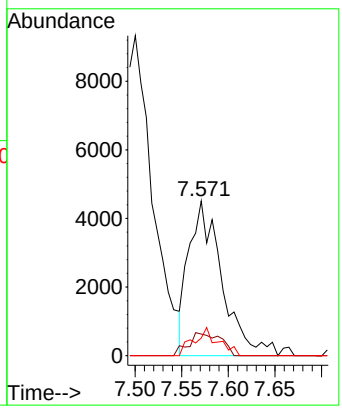
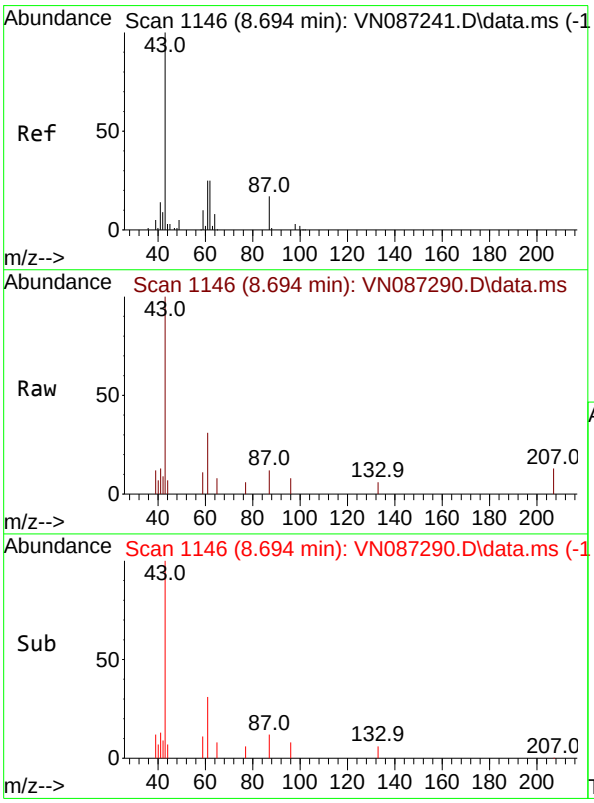
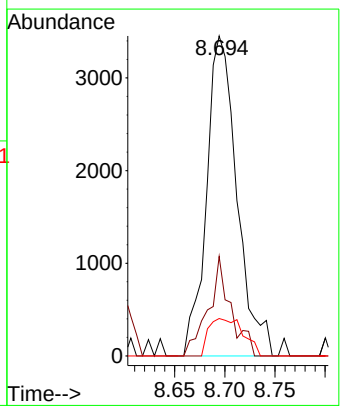


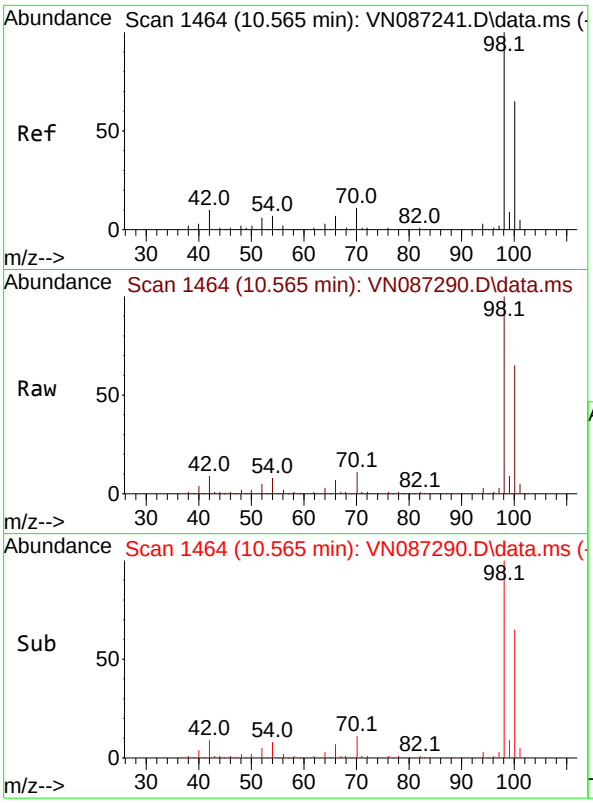


#43
Isopropyl Acetate
Concen: 1.453 ug/l
RT: 8.694 min Scan# 1146
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 43 Resp: 7311

Ion	Ratio	Lower	Upper
43	100		
61	22.9	22.4	33.6
87	13.3	12.8	19.2





#50
Toluene-d8
Concen: 50.515 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 98 Resp: 43687

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.1	78.1

Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
APPROVED

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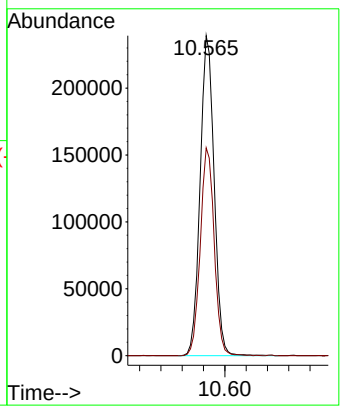
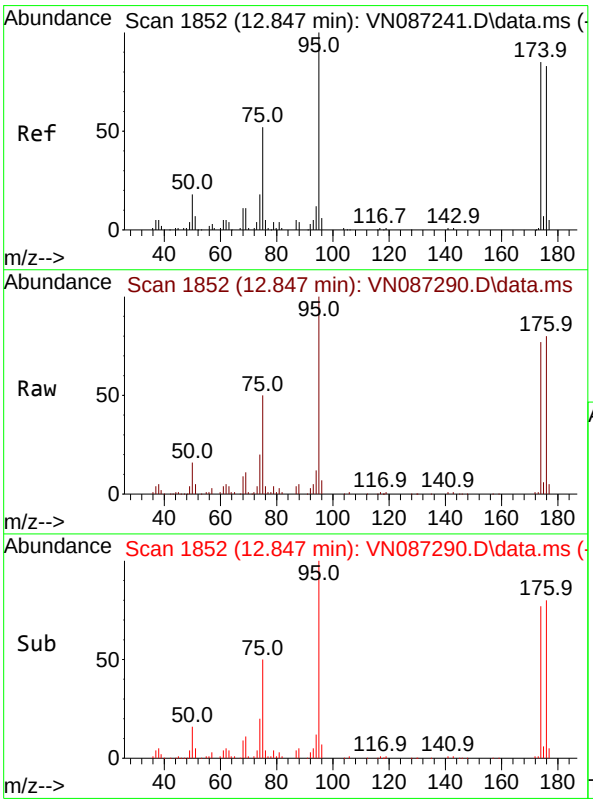
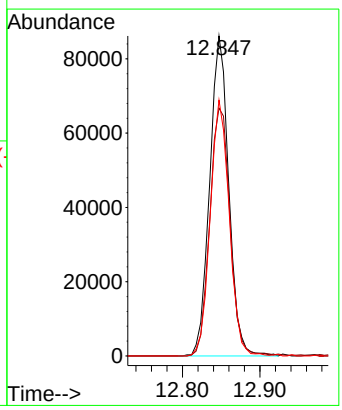


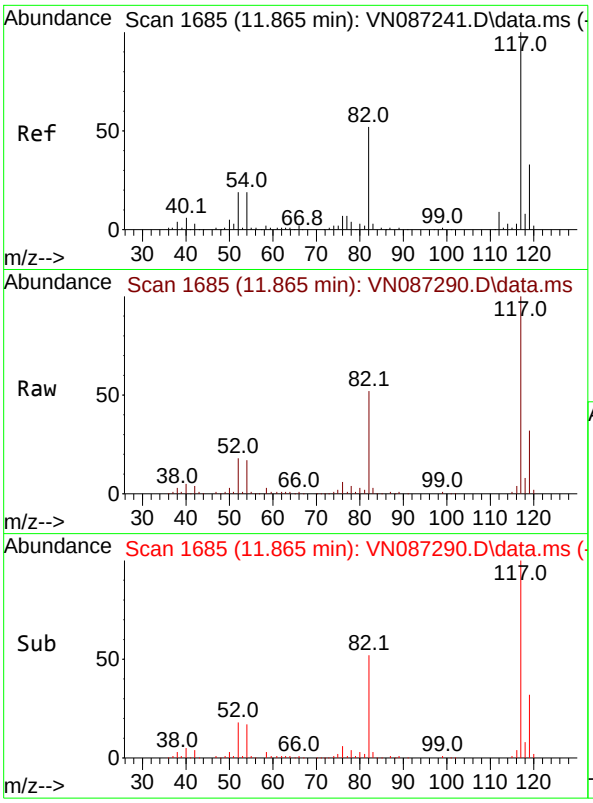


#62
4-Bromofluorobenzene
Concen: 47.905 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion: 95 Resp: 147410

Ion	Ratio	Lower	Upper
95	100		
174	82.7	0.0	169.6
176	79.6	0.0	161.6

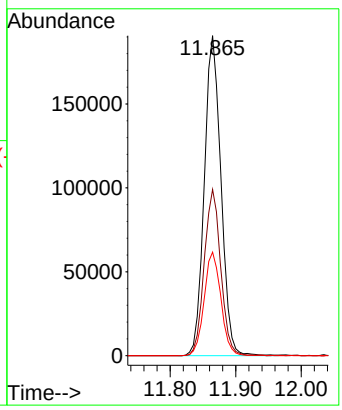




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion:117 Resp: 33764

Ion	Ratio	Lower	Upper
117	100		
82	52.0	41.9	62.9
119	32.4	26.2	39.4



Instrument :
MSVOA_N
ClientSampleId :
G1(10)

Manual Integrations
APPROVED

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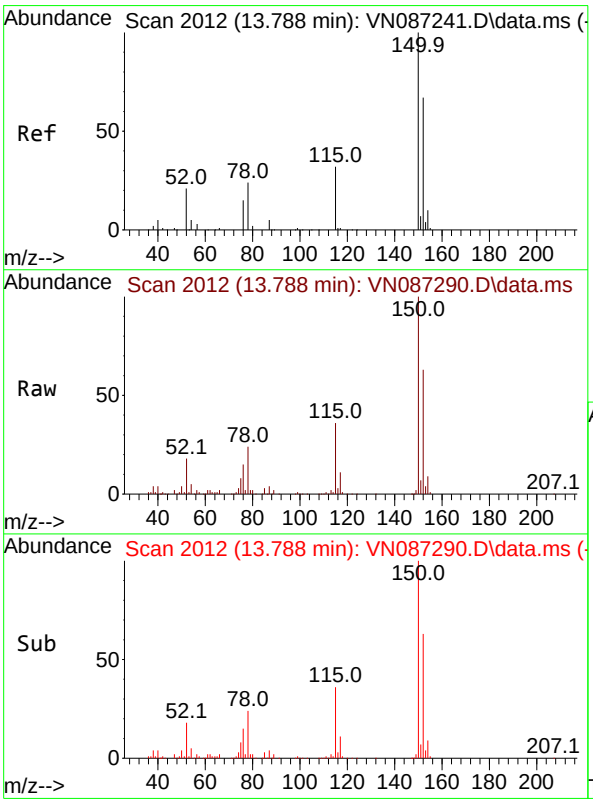
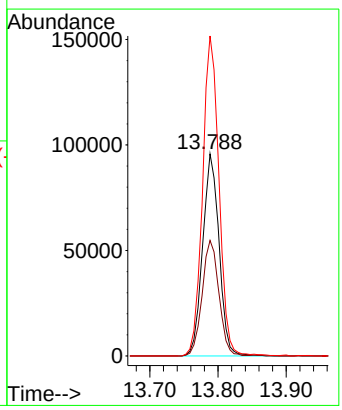


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087290.D
Acq: 07 Jul 2025 13:05

Tgt Ion:152 Resp: 160324

Ion	Ratio	Lower	Upper
152	100		
115	58.3	28.3	84.9
150	158.4	0.0	344.6



Raw Data: **VN087291.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	07/01/25
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	07/01/25
Client Sample ID:	G1(4.5)	SDG No.:	Q2487
Lab Sample ID:	Q2487-24	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:	Date Analyzed	Prep Batch ID
VN087291.D	1	07/07/25 13:26	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	12.0	J	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.6		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	53.8		75 - 124	108%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		77 - 121	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	184000	8.235			
540-36-3	1,4-Difluorobenzene	344000	9.106			
3114-55-4	Chlorobenzene-d5	347000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	162000	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\VN070725\
Data File : VN087291.D
Acq On : 07 Jul 2025 13:26
Operator : JC\MD
Sample : Q2487-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Quant Time: Jul 08 01:33:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

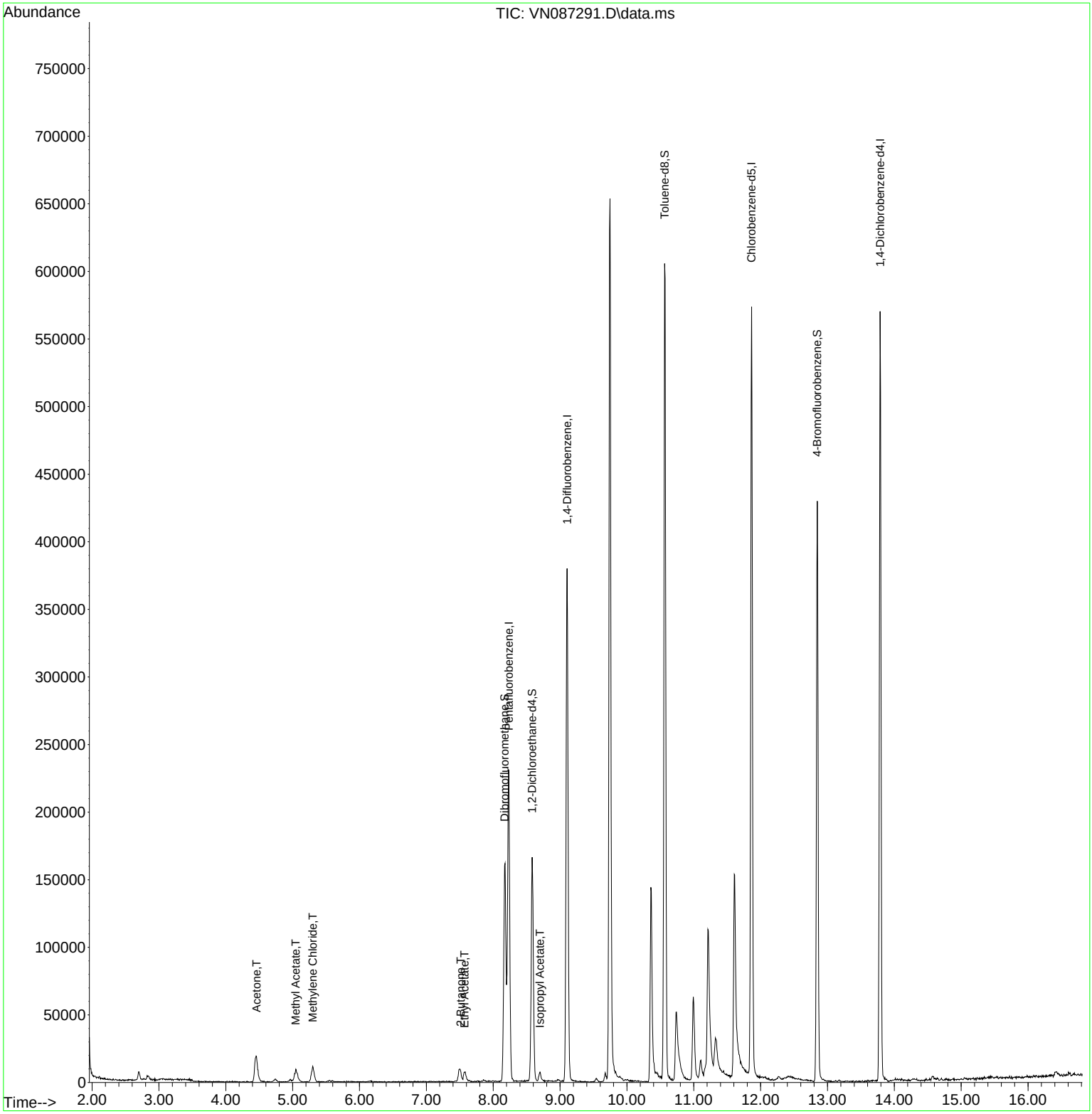
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	183726	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	344094	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	347071	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162085	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	135111	58.594	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.180%			
35) Dibromofluoromethane	8.171	113	118472	53.771	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 107.540%			
50) Toluene-d8	10.565	98	435637	50.727	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.460%			
62) 4-Bromofluorobenzene	12.847	95	149744	49.006	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.020%			
Target Compounds						Qvalue
16) Acetone	4.459	43	39002	44.242	ug/l	99
18) Methyl Acetate	5.047	43	18885	9.358	ug/l	95
20) Methylene Chloride	5.300	84	9016	4.617	ug/l #	89
25) 2-Butanone	7.512	43	16504	11.980	ug/l #	75
37) Ethyl Acetate	7.571	43	13513	4.195	ug/l #	89
43) Isopropyl Acetate	8.700	43	8184	1.638	ug/l #	85

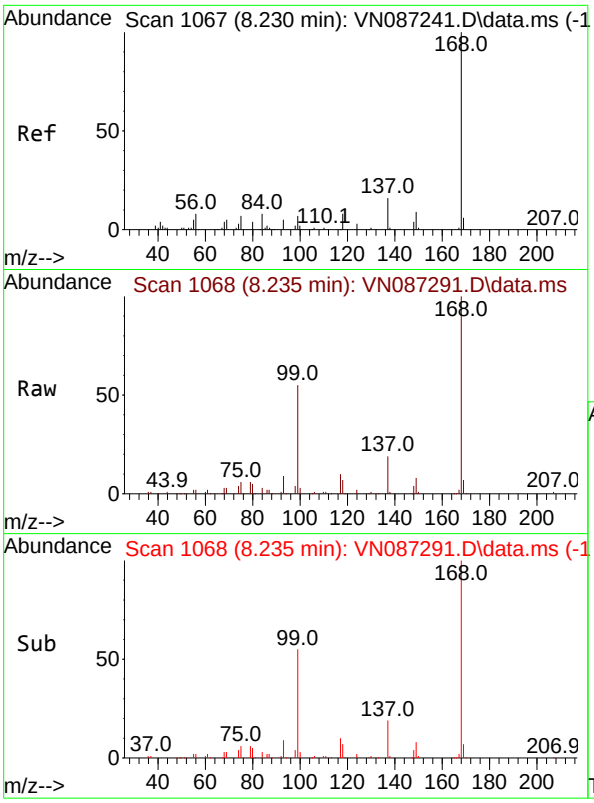
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087291.D
Acq On : 07 Jul 2025 13:26
Operator : JC\MD
Sample : Q2487-24
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Quant Time: Jul 08 01:33:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



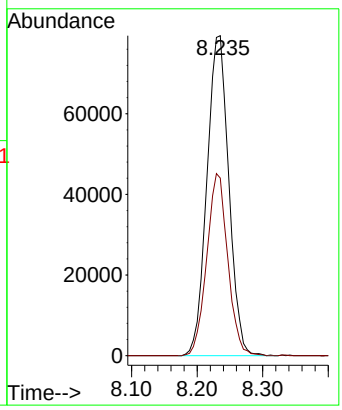


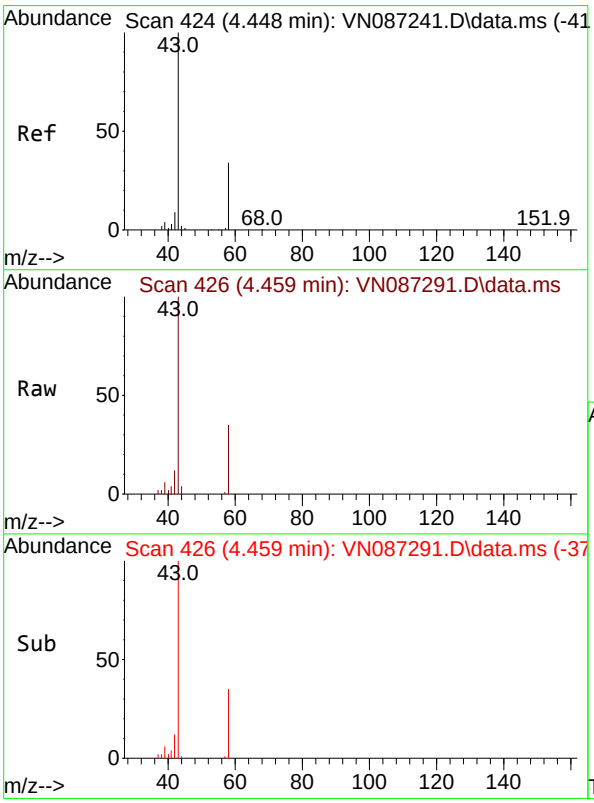
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. 0.005 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion:168 Resp: 183726

Ion	Ratio	Lower	Upper
168	100		
99	55.5	42.6	64.0

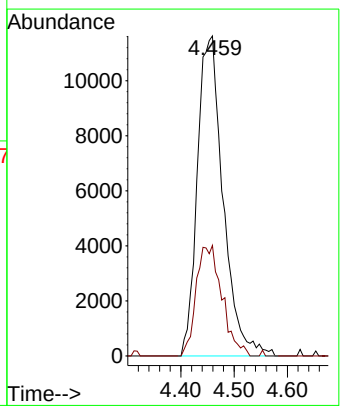


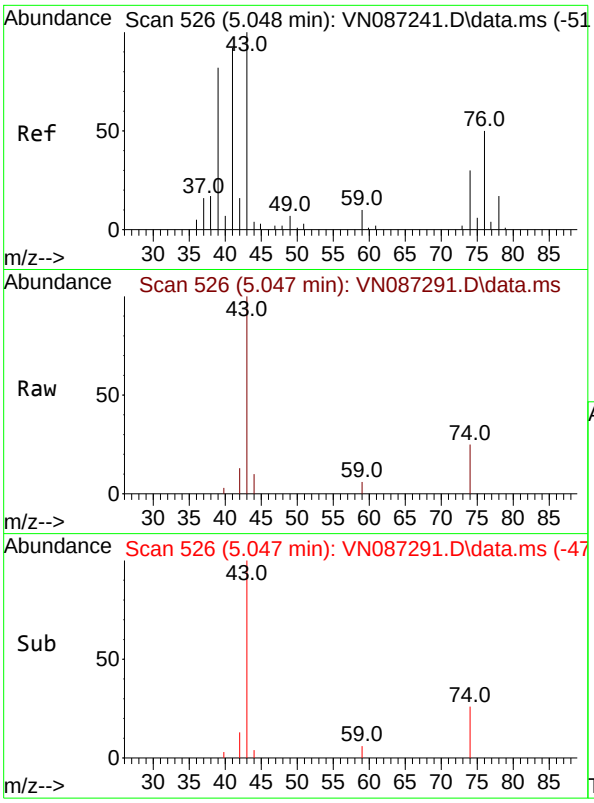


#16
Acetone
Concen: 44.242 ug/l
RT: 4.459 min Scan# 426
Delta R.T. 0.012 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion: 43 Resp: 39002

Ion	Ratio	Lower	Upper
43	100		
58	34.5	27.1	40.7



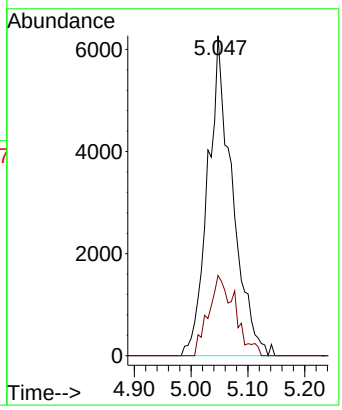


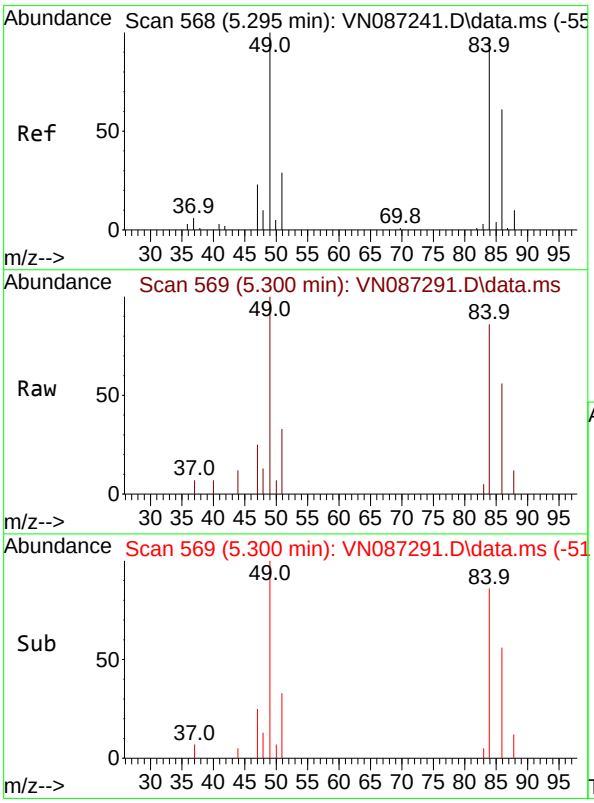
#18
Methyl Acetate
Concen: 9.358 ug/l
RT: 5.047 min Scan# 5
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion: 43 Resp: 18885

Ion	Ratio	Lower	Upper
43	100		
74	27.0	23.8	35.6

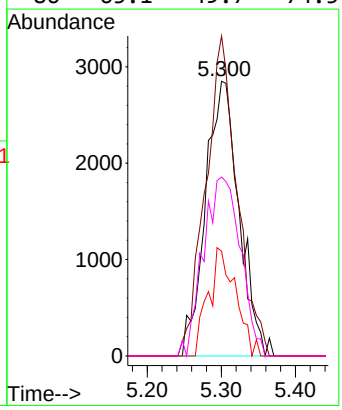


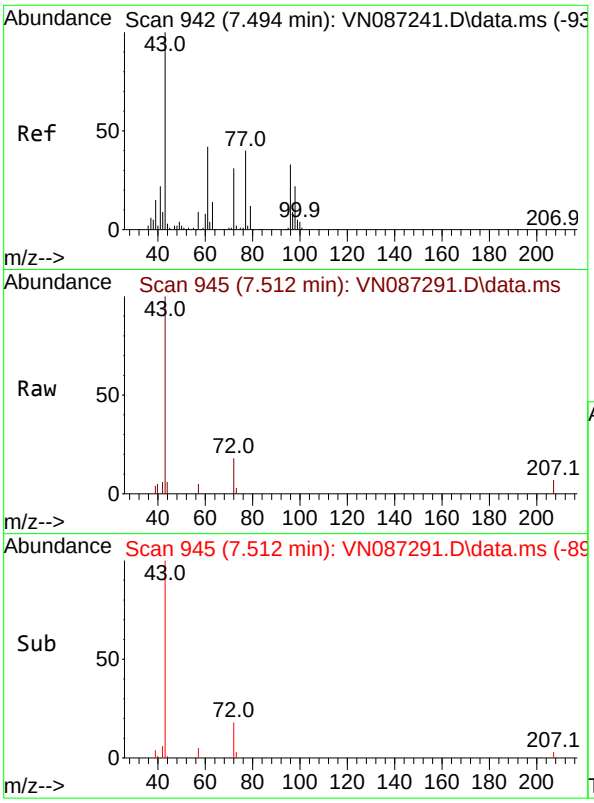


#20
Methylene Chloride
Concen: 4.617 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion: 84 Resp: 9016

Ion	Ratio	Lower	Upper
84	100		
49	116.5	82.1	123.1
51	38.1	23.5	35.3#
86	65.1	49.7	74.5



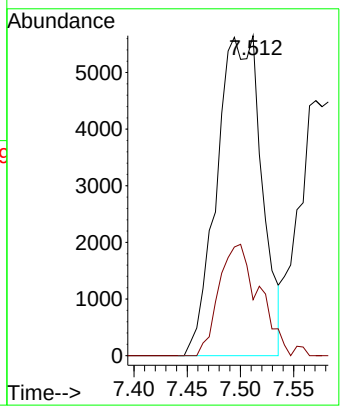


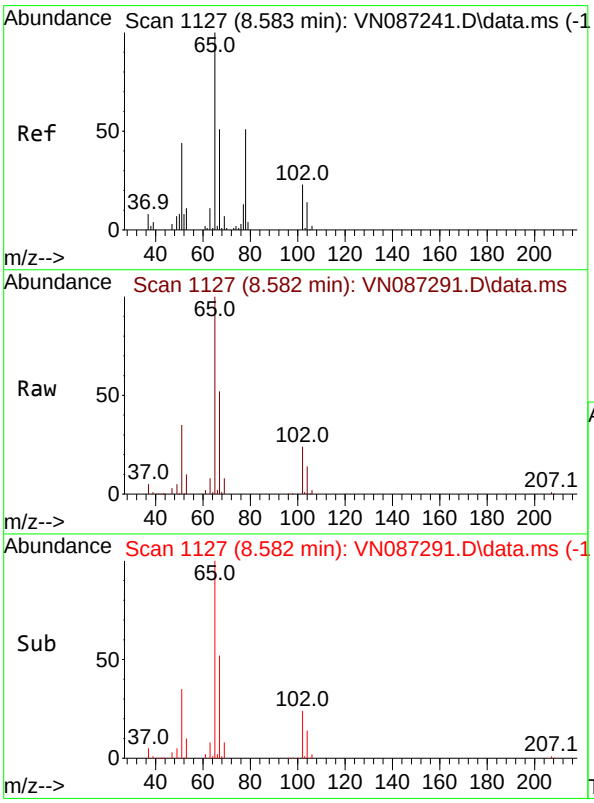
#25
2-Butanone
Concen: 11.980 ug/l
RT: 7.512 min Scan# 94
Delta R.T. 0.017 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion: 43 Resp: 16504

Ion	Ratio	Lower	Upper
43	100		
72	17.5	24.8	37.2#

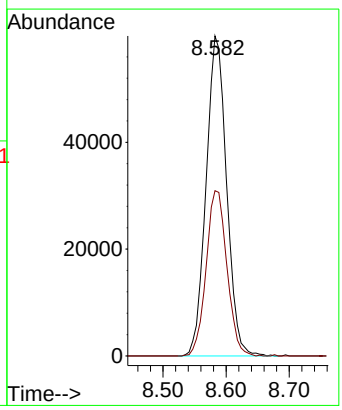


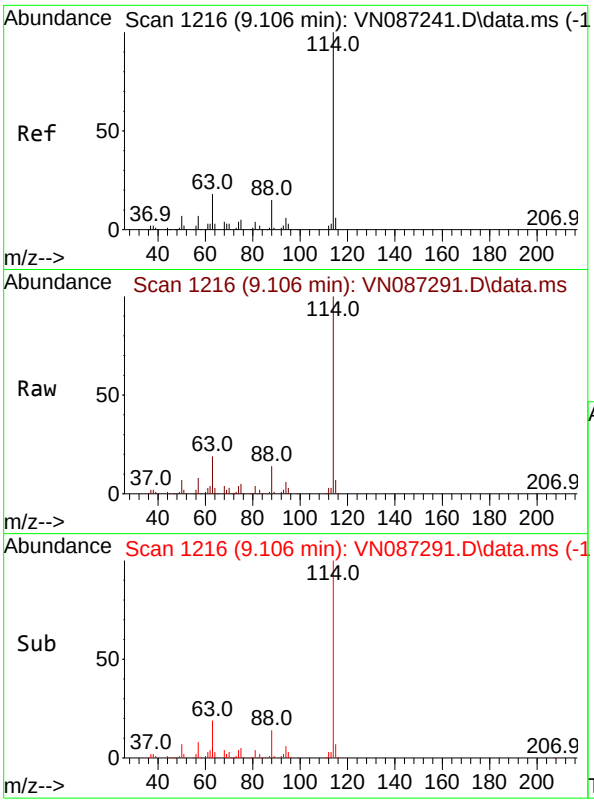


#33
1,2-Dichloroethane-d4
Concen: 58.594 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion: 65 Resp: 135111

Ion	Ratio	Lower	Upper
65	100		
67	52.4	0.0	102.6



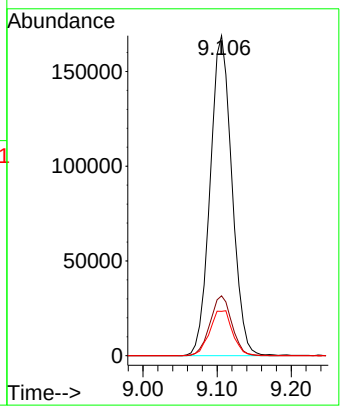


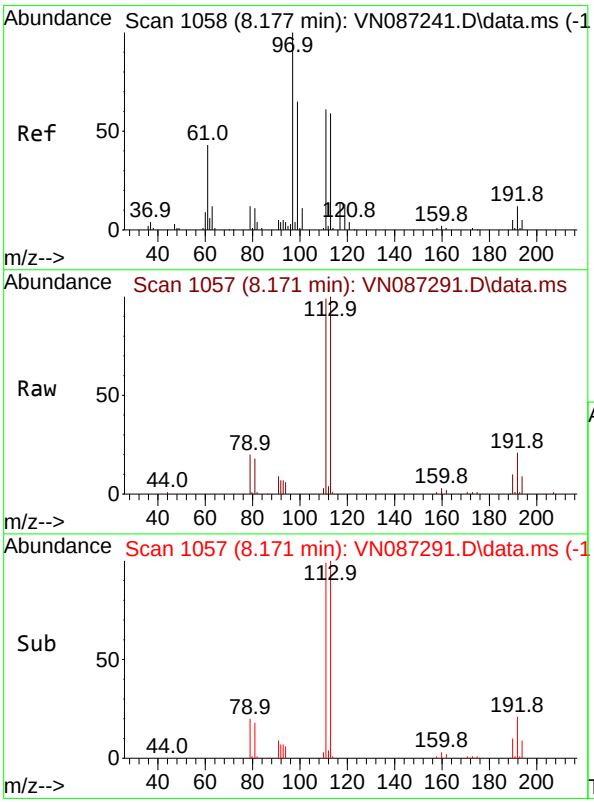
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion:114 Resp: 344094

Ion	Ratio	Lower	Upper
114	100		
63	18.7	0.0	36.6
88	13.9	0.0	29.6

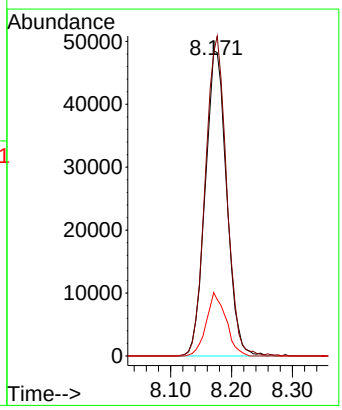


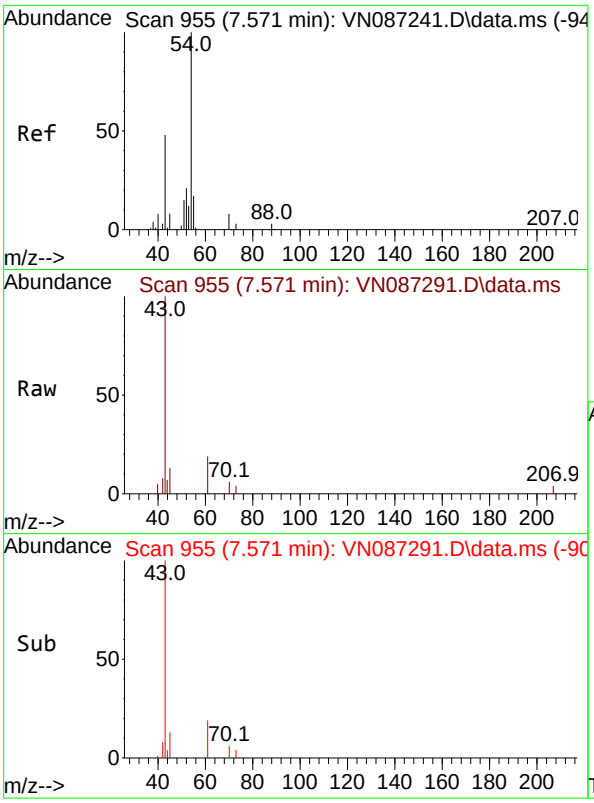


#35
Dibromofluoromethane
Concen: 53.771 ug/l
RT: 8.171 min Scan# 1057
Delta R.T. -0.006 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion:113 Resp: 118472

Ion	Ratio	Lower	Upper
113	100		
111	103.8	81.4	122.2
192	19.2	15.1	22.7



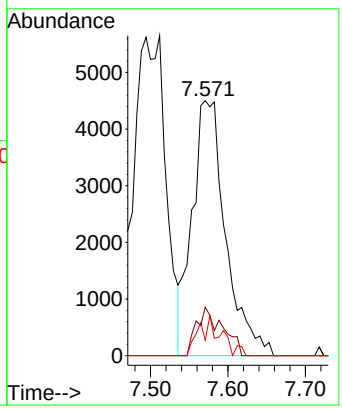


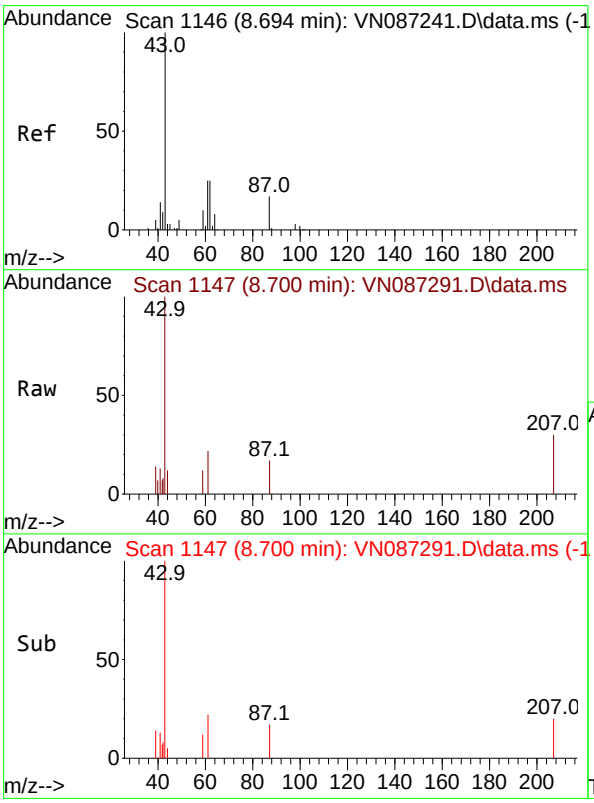
#37
Ethyl Acetate
Concen: 4.195 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion: 43 Resp: 13513

Ion	Ratio	Lower	Upper
43	100		
61	14.8	11.3	16.9
70	3.9	9.9	14.9#

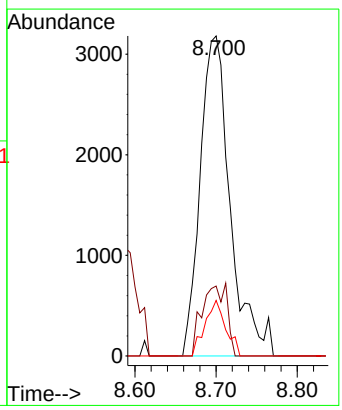


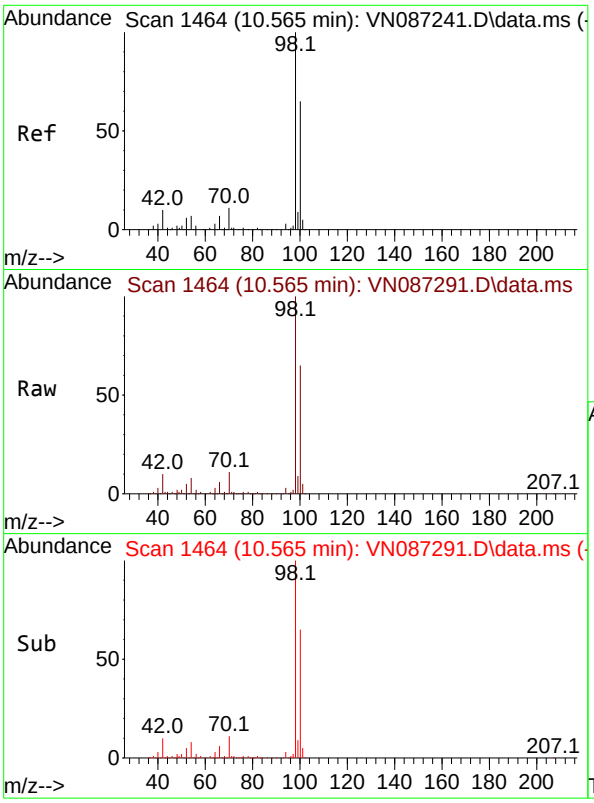


#43
Isopropyl Acetate
Concen: 1.638 ug/l
RT: 8.700 min Scan# 1147
Delta R.T. 0.006 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion: 43 Resp: 8184

Ion	Ratio	Lower	Upper
43	100		
61	18.5	22.4	33.6#
87	12.0	12.8	19.2#



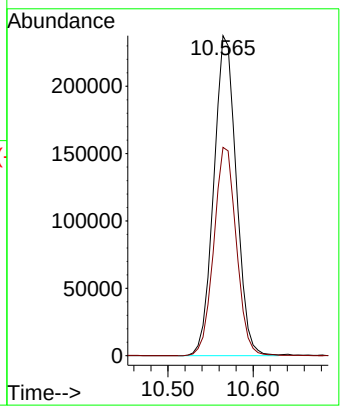


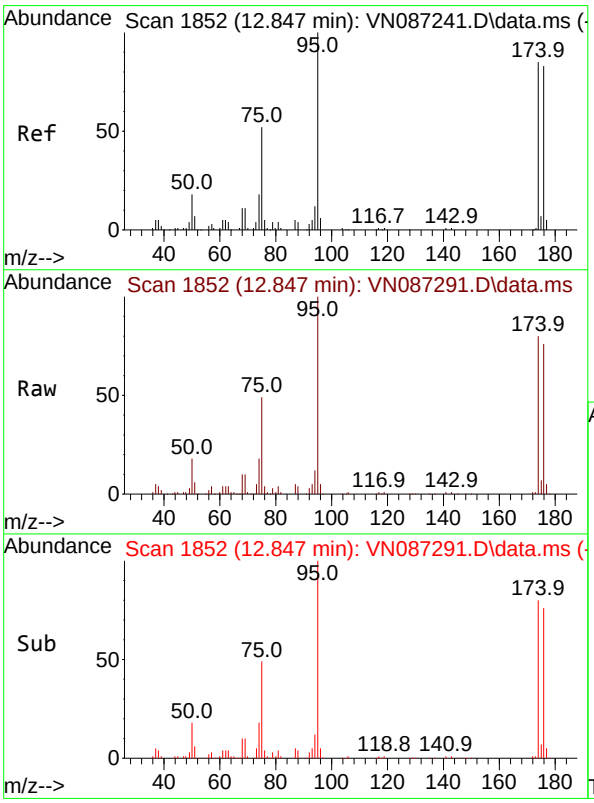
#50
Toluene-d8
Concen: 50.727 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion: 98 Resp: 435637

Ion	Ratio	Lower	Upper
98	100		
100	65.3	52.1	78.1

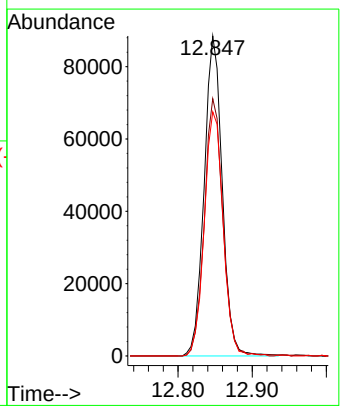


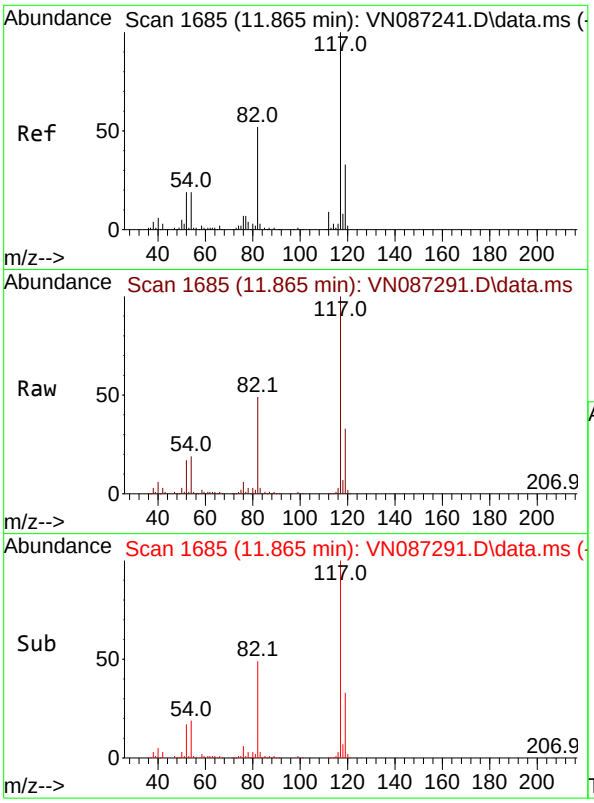


#62
4-Bromofluorobenzene
Concen: 49.006 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion: 95 Resp: 149744

Ion	Ratio	Lower	Upper
95	100		
174	82.8	0.0	169.6
176	79.6	0.0	161.6



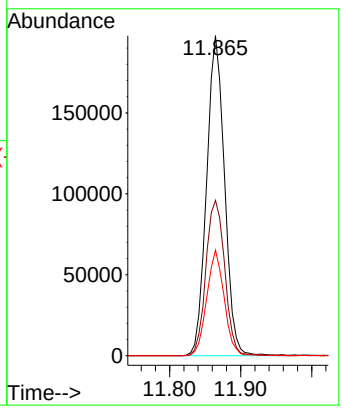


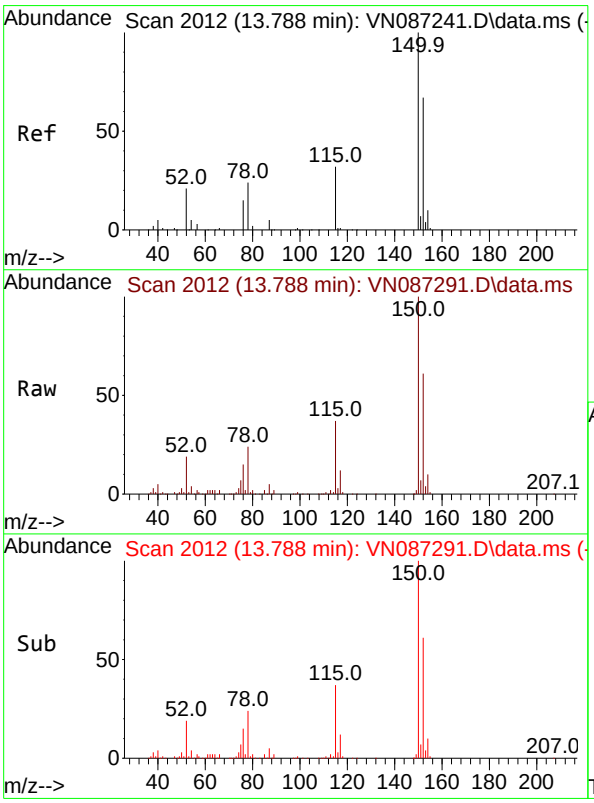
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Instrument :
MSVOA_N
ClientSampleId :
G1(4.5)

Tgt Ion:117 Resp: 347071

Ion	Ratio	Lower	Upper
117	100		
82	48.5	41.9	62.9
119	33.0	26.2	39.4

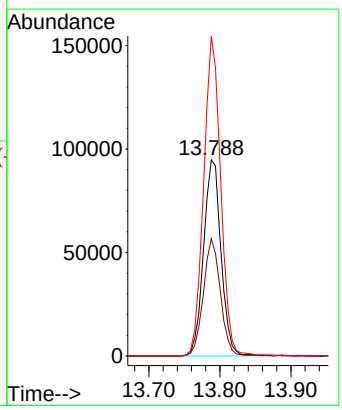




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087291.D
Acq: 07 Jul 2025 13:26

Tgt Ion:152 Resp: 162085

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.3	84.9
150	159.5	0.0	344.6



CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: WALS01

Lab Code: ACE SDG No.: Q2487

Instrument ID: MSVOA_N Calibration Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:28 14:51

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

LAB FILE ID: RRF001 = VN087238.D RRF005 = VN087239.D RRF020 = VN087240.D
RRF050 = VN087241.D RRF100 = VN087242.D RRF150 = VN087243.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.423	0.492	0.525	0.488	0.498	0.489	0.486	6.9
1,1-Dichloroethene	0.423	0.450	0.512	0.464	0.466	0.474	0.465	6.3
2-Butanone	0.330	0.354	0.406	0.370	0.390	0.400	0.375	7.8
Carbon Tetrachloride	0.444	0.477	0.530	0.485	0.512	0.512	0.493	6.3
Chloroform	0.881	0.988	1.102	0.956	0.996	1.022	0.991	7.4
Benzene	1.284	1.270	1.434	1.310	1.381	1.414	1.349	5.2
1,2-Dichloroethane	0.400	0.437	0.470	0.443	0.470	0.471	0.449	6.3
Trichloroethene	0.322	0.363	0.385	0.346	0.364	0.370	0.358	6.1
Tetrachloroethene	0.304	0.326	0.362	0.323	0.342	0.344	0.333	6
Chlorobenzene	1.107	1.082	1.194	1.071	1.131	1.145	1.122	4
1,2-Dichloroethane-d4		0.655	0.598	0.592	0.636	0.656	0.628	4.9
Dibromofluoromethane		0.313	0.303	0.307	0.334	0.345	0.320	5.7
Toluene-d8		1.137	1.150	1.205	1.363	1.384	1.248	9.4
4-Bromofluorobenzene		0.390	0.403	0.432	0.490	0.505	0.444	11.6

* 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 : 82N063025W.M
Title : SW846 8260
Last Update : Tue Jul 01 03:15:00 2025
Response Via : Initial Calibration

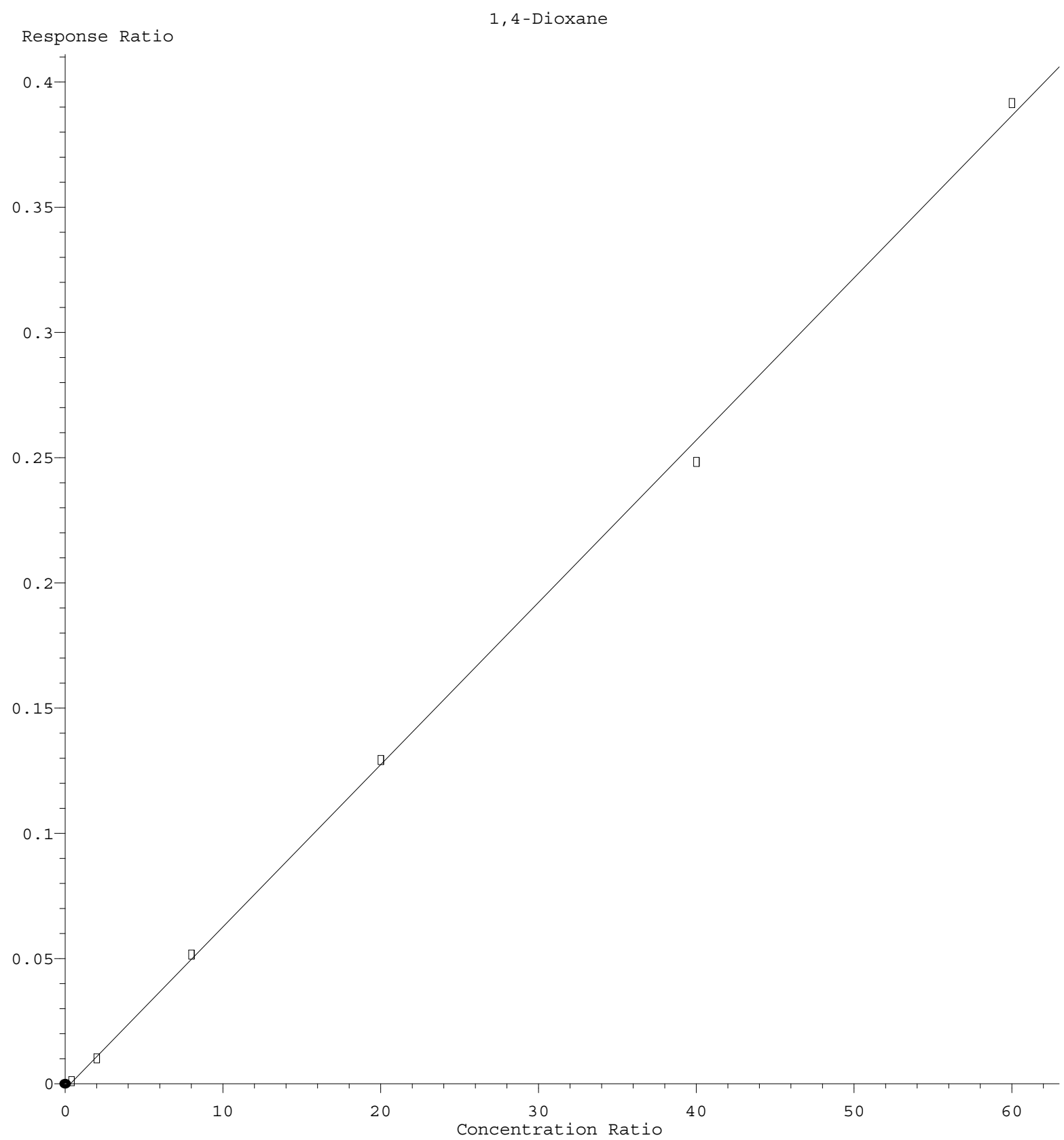
Calibration Files
1 =VN087238.D 5 =VN087239.D 20 =VN087240.D 50 =VN087241.D 100 =VN087242.D 150 =VN087243.D

		Compound	1	5	20	50	100	150	Avg	%RSD
1)	I	Pentafluorobenzene	----------ISTD----------							
2)	T	Dichlorodifluo...	0.442	0.449	0.479	0.507	0.508	0.534	0.487	7.46
3)	P	Chloromethane	0.362	0.374	0.412	0.393	0.402	0.428	0.395	6.17
4)	C	Vinyl Chloride	0.423	0.492	0.525	0.488	0.498	0.489	0.486	6.94#
5)	T	Bromomethane		0.444	0.451	0.402	0.439	0.480	0.443	6.29
6)	T	Chloroethane	0.362	0.383	0.424	0.382	0.383	0.374	0.385	5.43
7)	T	Trichlorofluor...	0.826	0.854	0.936	0.820	0.820	0.802	0.843	5.75
8)	T	Diethyl Ether	0.189	0.283	0.312	0.274	0.281	0.275	0.269	15.43
9)	T	1,1,2-Trichlor...	0.453	0.501	0.534	0.479	0.486	0.483	0.489	5.45
10)	T	Methyl Iodide		0.332	0.466	0.526	0.554	0.550	0.486	19.10
11)	T	Tert butyl alc...		0.109	0.125	0.115	0.112	0.111	0.114	5.50
12)	CM	1,1-Dichloroet...	0.423	0.450	0.512	0.464	0.466	0.474	0.465	6.28#
13)	T	Acrolein		0.071	0.076	0.076	0.083	0.090	0.079	9.23
14)	T	Allyl chloride	0.499	0.564	0.618	0.564	0.586	0.588	0.570	7.05
15)	T	Acrylonitrile	0.267	0.278	0.309	0.276	0.286	0.292	0.285	5.22
16)	T	Acetone	0.260	0.237	0.263	0.226	0.227	0.226	0.240	7.16
17)	T	Carbon Disulfide	1.540	1.386	1.489	1.321	1.320	1.315	1.395	6.99
18)	T	Methyl Acetate	0.501	0.542	0.616	0.540	0.544	0.554	0.549	6.81
19)	T	Methyl tert-bu...	1.448	1.548	1.758	1.606	1.677	1.739	1.629	7.32
20)	T	Methylene Chlo...	0.526	0.552	0.594	0.506	0.508	0.503	0.531	6.68
21)	T	trans-1,2-Dich...	0.579	0.552	0.600	0.531	0.550	0.560	0.562	4.32
22)	T	Diisopropyl ether	1.070	1.285	1.452	1.346	1.466	1.568	1.364	12.81
23)	T	Vinyl Acetate	0.928	1.145	1.351	1.267	1.386	1.493	1.262	15.92
24)	P	1,1-Dichloroet...	0.798	0.897	0.983	0.873	0.896	0.916	0.894	6.73
25)	T	2-Butanone	0.330	0.354	0.406	0.370	0.390	0.400	0.375	7.82
26)	T	2,2-Dichloropr...	0.796	0.854	0.927	0.826	0.859	0.871	0.855	5.17
27)	T	cis-1,2-Dichlo...	0.617	0.613	0.702	0.633	0.656	0.672	0.649	5.32
28)	T	Bromochloromet...	0.362	0.397	0.384	0.401	0.404	0.420	0.395	5.01
29)	T	Tetrahydrofuran	0.189	0.219	0.261	0.243	0.263	0.274	0.242	13.35
30)	C	Chloroform	0.881	0.988	1.102	0.956	0.996	1.022	0.991	7.37#
31)	T	Cyclohexane		0.982	0.873	0.783	0.808	0.827	0.855	9.20
32)	T	1,1,1-Trichlor...	0.915	0.919	0.994	0.887	0.898	0.924	0.923	4.07
33)	S	1,2-Dichloroet...		0.655	0.598	0.592	0.636	0.656	0.628	4.88
34)	I	1,4-Difluorobenzene	----------ISTD----------							
35)	S	Dibromofluorom...		0.313	0.303	0.307	0.334	0.345	0.320	5.75
36)	T	1,1-Dichloropr...	0.396	0.399	0.467	0.425	0.459	0.466	0.435	7.61
37)	T	Ethyl Acetate	0.421	0.423	0.499	0.465	0.490	0.510	0.468	8.23
38)	T	Carbon Tetrach...	0.444	0.477	0.530	0.485	0.512	0.512	0.493	6.31
39)	T	Methylcyclohexane	0.455	0.463	0.545	0.515	0.561	0.572	0.518	9.67
40)	TM	Benzene	1.284	1.270	1.434	1.310	1.381	1.414	1.349	5.20
41)	T	Methacrylonitrile	0.182	0.206	0.230	0.222	0.244	0.258	0.224	12.18
42)	TM	1,2-Dichloroet...	0.400	0.437	0.470	0.443	0.470	0.471	0.449	6.27
43)	T	Isopropyl Acetate	0.596	0.668	0.762	0.718	0.792	0.819	0.726	11.47
44)	TM	Trichloroethene	0.322	0.363	0.385	0.346	0.364	0.370	0.358	6.12
45)	C	1,2-Dichloropr...	0.247	0.275	0.321	0.290	0.311	0.320	0.294	9.91#
46)	T	Dibromomethane	0.238	0.234	0.271	0.241	0.255	0.261	0.250	5.89
47)	T	Bromodichlorom...	0.408	0.489	0.521	0.465	0.486	0.495	0.477	8.10
48)	T	Methyl methacr...	0.221	0.271	0.323	0.309	0.344	0.366	0.306	17.13
49)	T	1,4-Dioxane	0.003	0.005	0.006	0.006	0.006	0.007	0.006	27.68
50)	S	Toluene-d8		1.137	1.150	1.205	1.363	1.384	1.248	9.44
51)	T	4-Methyl-2-Pen...	0.313	0.377	0.471	0.454	0.516	0.534	0.444	19.06
52)	CM	Toluene	0.741	0.812	0.928	0.889	0.956	0.980	0.885	10.39#
53)	T	t-1,3-Dichloro...	0.403	0.466	0.536	0.514	0.569	0.583	0.512	13.19
54)	T	cis-1,3-Dichlo...	0.414	0.494	0.557	0.519	0.566	0.579	0.521	11.76
55)	T	1,1,2-Trichlor...	0.298	0.331	0.354	0.325	0.350	0.348	0.334	6.34
56)	T	Ethyl methacry...		0.341	0.473	0.486	0.562	0.587	0.490	19.70

Method Path : Z:\voasrv\HPCHEM1\MSVOA_N\methods\
Method File : 82N063025W.M

57)	T	1,3-Dichloropr...	0.492	0.524	0.578	0.527	0.573	0.578	0.545	6.63
58)	T	2-Chloroethyl ...	0.200	0.234	0.256	0.266	0.290	0.306	0.259	14.80
59)	T	2-Hexanone		0.268	0.268	0.307	0.366	0.381	0.318	16.68
60)	T	Dibromochlorom...	0.328	0.376	0.420	0.393	0.425	0.420	0.394	9.45
61)	T	1,2-Dibromoethane	0.294	0.340	0.388	0.357	0.390	0.388	0.359	10.58
62)	S	4-Bromofluorob...		0.390	0.403	0.432	0.490	0.505	0.444	11.64
63)	I	Chlorobenzene-d5	----------ISTD----------							
64)	T	Tetrachloroethene	0.304	0.326	0.362	0.323	0.342	0.344	0.333	6.02
65)	PM	Chlorobenzene	1.107	1.082	1.194	1.071	1.131	1.145	1.122	4.04
66)	T	1,1,1,2-Tetrac...	0.368	0.370	0.415	0.378	0.394	0.399	0.387	4.85
67)	C	Ethyl Benzene	1.482	1.659	1.945	1.801	1.968	2.038	1.815	11.70#
68)	T	m/p-Xylenes	0.585	0.655	0.782	0.734	0.787	0.809	0.725	12.12
69)	T	o-Xylene	0.499	0.625	0.722	0.695	0.751	0.778	0.679	15.06
70)	T	Styrene	0.803	0.978	1.258	1.203	1.312	1.365	1.153	18.88
71)	P	Bromoform	0.217	0.289	0.320	0.308	0.326	0.333	0.299	14.35
72)	I	1,4-Dichlorobenzen...	----------ISTD----------							
73)	T	Isopropylbenzene	2.651	2.894	3.493	3.144	3.508	3.640	3.222	12.18
74)	T	N-amyl acetate		1.021	1.069	0.825	1.114	1.270	1.059	15.22
75)	P	1,1,2,2-Tetrac...	1.002	1.049	1.137	0.994	1.073	1.104	1.060	5.34
76)	T	1,2,3-Trichlor...	0.859	1.016	1.118	0.851	0.925	0.938	0.951	10.64
77)	T	Bromobenzene	0.716	0.823	0.909	0.827	0.878	0.893	0.841	8.35
78)	T	n-propylbenzene	3.334	3.559	4.137	3.796	4.214	4.310	3.892	10.08
79)	T	2-Chlorotoluene	2.129	2.149	2.449	2.239	2.426	2.504	2.316	7.05
80)	T	1,3,5-Trimethy...	2.169	2.469	2.895	2.718	2.931	2.976	2.693	11.77
81)	T	trans-1,4-Dich...		0.352	0.393	0.390	0.432	0.458	0.405	10.13
82)	T	4-Chlorotoluene	2.197	2.230	2.573	2.332	2.587	2.628	2.424	8.00
83)	T	tert-Butylbenzene	2.013	2.259	2.510	2.322	2.500	2.553	2.359	8.72
84)	T	1,2,4-Trimethy...	2.004	2.381	2.970	2.779	2.989	3.063	2.698	15.55
85)	T	sec-Butylbenzene	2.746	3.044	3.640	3.369	3.634	3.632	3.344	11.22
86)	T	p-Isopropyltol...	2.290	2.529	3.158	2.939	3.135	3.197	2.875	13.17
87)	T	1,3-Dichlorobe...	1.572	1.612	1.789	1.611	1.716	1.749	1.675	5.26
88)	T	1,4-Dichlorobe...	1.883	1.715	1.869	1.625	1.680	1.721	1.749	5.97
89)	T	n-Butylbenzene	2.286	2.245	2.662	2.538	2.701	2.754	2.531	8.62
90)	T	Hexachloroethane	0.476	0.552	0.548	0.516	0.543	0.556	0.532	5.82
91)	T	1,2-Dichlorobe...	1.444	1.531	1.720	1.508	1.573	1.622	1.566	6.14
92)	T	1,2-Dibromo-3-...	0.270	0.236	0.260	0.237	0.257	0.268	0.255	5.85
93)	T	1,2,4-Trichlor...	0.853	0.890	0.992	0.894	0.936	0.992	0.926	6.18
94)	T	Hexachlorobuta...	0.355	0.281	0.310	0.273	0.263	0.284	0.294	11.47
95)	T	Naphthalene	2.664	2.824	3.339	3.163	3.494	3.744	3.205	12.72
96)	T	1,2,3-Trichlor...	0.834	0.838	0.967	0.876	0.917	0.982	0.902	7.05

(#) = Out of Range



Response = 6.480e-003 * Amt - 2.165e-003
Coef of Det (r^2) = 0.999090 Curve Fit: Linear
Method Name: Z:\voasrv\HPCHEM1\MSVOA N\methods\82N063025W.M
Calibration Table Last Updated: Tue Jul 01 03:15:00 2025

Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087238.D
Acq On : 30 Jun 2025 12:28
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.229	168	147790	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	246327	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	223527	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	108618	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	1307	0.909	ug/l		74
3) Chloromethane	2.395	50	1071	0.917	ug/l	#	76
4) Vinyl Chloride	2.553	62	1250	0.871	ug/l		97
6) Chloroethane	3.159	64	1070	0.941	ug/l		95
7) Trichlorofluoromethane	3.530	101	2441	0.980	ug/l		89
8) Diethyl Ether	3.983	74	559	0.703	ug/l	#	51
9) 1,1,2-Trichlorotrifluo...	4.400	101	1340	0.926	ug/l	#	74
12) 1,1-Dichloroethene	4.377	96	1251	0.910	ug/l		87
14) Allyl chloride	5.059	41	1474	0.875	ug/l	#	70
15) Acrylonitrile	5.736	53	3943m	4.695	ug/l		
16) Acetone	4.453	43	3847	5.425	ug/l		99
17) Carbon Disulfide	4.747	76	4551	1.104	ug/l	#	76
18) Methyl Acetate	5.053	43	1480m	0.912	ug/l		
19) Methyl tert-butyl Ether	5.812	73	4279	0.888	ug/l	#	85
20) Methylene Chloride	5.306	84	1555	0.990	ug/l	#	74
21) trans-1,2-Dichloroethene	5.806	96	1711	1.030	ug/l	#	85
22) Diisopropyl ether	6.671	45	3162	0.784	ug/l	#	87
23) Vinyl Acetate	6.618	43	13719	3.679	ug/l		95
24) 1,1-Dichloroethane	6.582	63	2359	0.893	ug/l	#	81
25) 2-Butanone	7.494	43	4872	4.396	ug/l		93
26) 2,2-Dichloropropane	7.500	77	2352	0.930	ug/l		83
27) cis-1,2-Dichloroethene	7.500	96	1824	0.951	ug/l		89
28) Bromochloromethane	7.829	49	1070	0.918	ug/l	#	84
29) Tetrahydrofuran	7.847	42	2792	3.910	ug/l		98
30) Chloroform	7.982	83	2603	0.889	ug/l		89
32) 1,1,1-Trichloroethane	8.177	97	2704	0.992	ug/l	#	45
36) 1,1-Dichloropropene	8.371	75	1952	0.910	ug/l		85
37) Ethyl Acetate	7.571	43	2073	0.899	ug/l	#	67
38) Carbon Tetrachloride	8.382	117	2186	0.899	ug/l	#	83
39) Methylcyclohexane	9.600	83	2241	0.877	ug/l		95
40) Benzene	8.612	78	6324	0.952	ug/l		96
41) Methacrylonitrile	7.788	41	898	0.815	ug/l	#	80
42) 1,2-Dichloroethane	8.682	62	1970	0.891	ug/l	#	73
43) Isopropyl Acetate	8.700	43	2937	0.821	ug/l		93
44) Trichloroethene	9.347	130	1584	0.897	ug/l		98
45) 1,2-Dichloropropane	9.623	63	1219	0.841	ug/l		92

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087238.D
Acq On : 30 Jun 2025 12:28
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 02:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
46) Dibromomethane	9.718	93	1172	0.951	ug/l	#	80
47) Bromodichloromethane	9.900	83	2008	0.854	ug/l	#	97
48) Methyl methacrylate	9.688	41	1091	0.724	ug/l	#	87
49) 1,4-Dioxane	9.706	88	258	24.787	ug/l	#	21
51) 4-Methyl-2-Pentanone	10.453	43	7706m	3.522	ug/l		
52) Toluene	10.629	92	3649	0.837	ug/l		91
53) t-1,3-Dichloropropene	10.841	75	1986	0.788	ug/l		90
54) cis-1,3-Dichloropropene	10.312	75	2040	0.794	ug/l		97
55) 1,1,2-Trichloroethane	11.023	97	1467	0.891	ug/l	#	82
57) 1,3-Dichloropropane	11.165	76	2424	0.902	ug/l		89
58) 2-Chloroethyl Vinyl ether	10.159	63	4932	3.869	ug/l		99
60) Dibromochloromethane	11.359	129	1618	0.834	ug/l		90
61) 1,2-Dibromoethane	11.470	107	1447	0.817	ug/l		89
64) Tetrachloroethene	11.106	164	1360	0.913	ug/l		92
65) Chlorobenzene	11.888	112	4951	0.987	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	1643	0.949	ug/l	#	64
67) Ethyl Benzene	11.965	91	6625	0.816	ug/l		96
68) m/p-Xylenes	12.070	106	5230	1.613	ug/l		97
69) o-Xylene	12.400	106	2233	0.736	ug/l		84
70) Styrene	12.406	104	3589	0.696	ug/l		98
71) Bromoform	12.576	173	972	0.727	ug/l	#	59
73) Isopropylbenzene	12.694	105	5759	0.823	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.941	83	2176	0.945	ug/l	#	93
76) 1,2,3-Trichloropropane	12.994	75	1867m	0.896	ug/l		
77) Bromobenzene	12.982	156	1556	0.852	ug/l		87
78) n-propylbenzene	13.035	91	7242	0.857	ug/l		99
79) 2-Chlorotoluene	13.123	91	4626	0.919	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	4712	0.805	ug/l		97
82) 4-Chlorotoluene	13.217	91	4772	0.906	ug/l		93
83) tert-Butylbenzene	13.429	119	4372	0.853	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	4354	0.743	ug/l		94
85) sec-Butylbenzene	13.611	105	5965	0.821	ug/l		97
86) p-Isopropyltoluene	13.729	119	4975	0.797	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	3414	0.938	ug/l		99
88) 1,4-Dichlorobenzene	13.811	146	4091m	1.077	ug/l		
89) n-Butylbenzene	14.053	91	4965	0.903	ug/l		98
90) Hexachloroethane	14.341	117	1034	0.895	ug/l		86
91) 1,2-Dichlorobenzene	14.106	146	3137	0.922	ug/l		97
92) 1,2-Dibromo-3-Chloropr...	14.717	75	586	1.059	ug/l	#	61
93) 1,2,4-Trichlorobenzene	15.388	180	1854	0.921	ug/l		98
94) Hexachlorobutadiene	15.494	225	771	1.206	ug/l		87
95) Naphthalene	15.635	128	5787	0.831	ug/l	#	96
96) 1,2,3-Trichlorobenzene	15.835	180	1812	0.924	ug/l		89

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

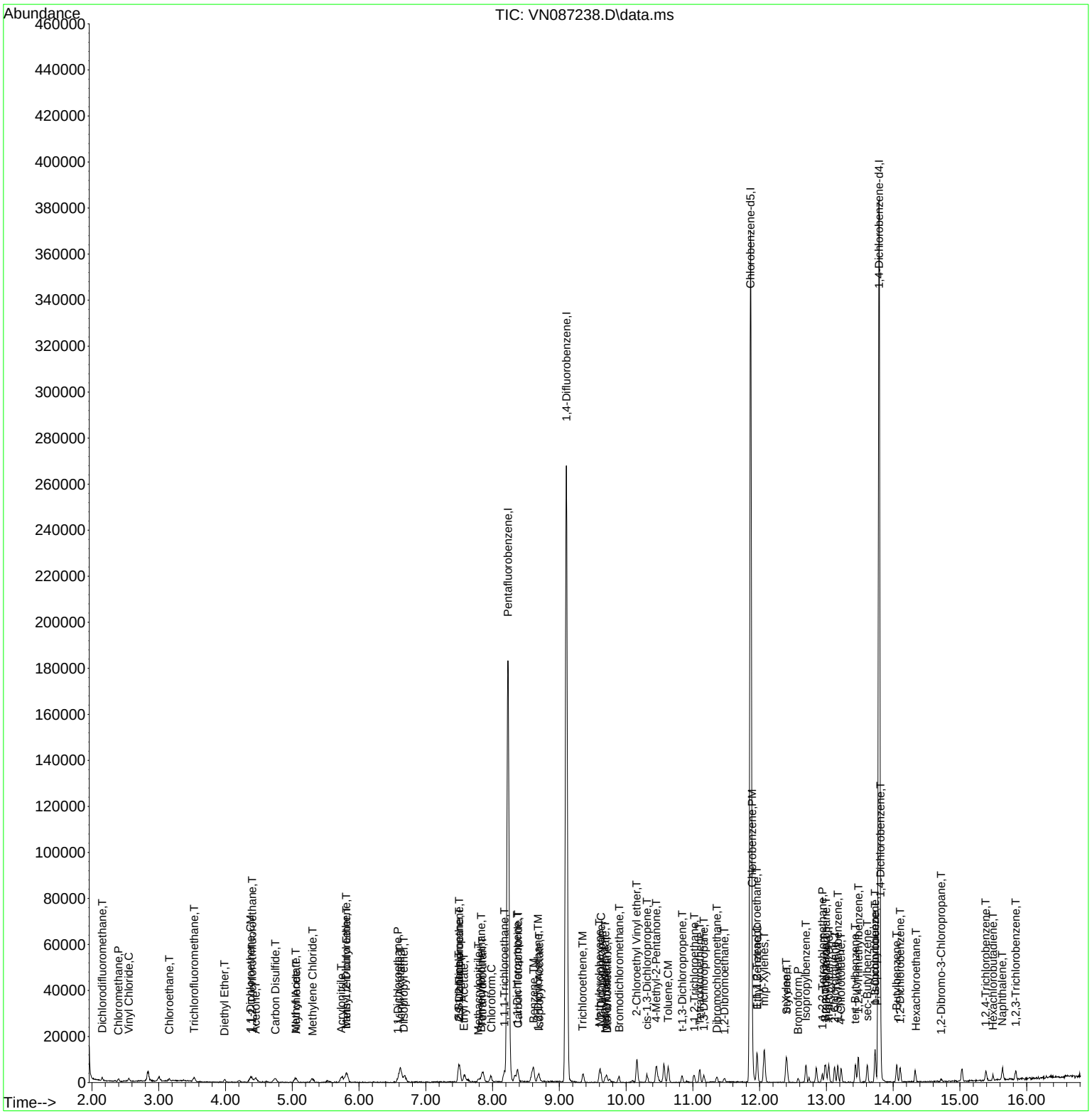
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087238.D
Acq On : 30 Jun 2025 12:28
Operator : JC\MD
Sample : VSTDICC001
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 01 02:50:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC001

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087239.D
Acq On : 30 Jun 2025 13:26
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 02:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.230	168	130832	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.106	114	217914	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.865	117	198493	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	101953	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.588	65	8576	5.223	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	10.440%#			
35) Dibromofluoromethane	8.171	113	6811	4.881	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	9.760%#			
50) Toluene-d8	10.565	98	24770	4.554	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	9.100%#			
62) 4-Bromofluorobenzene	12.847	95	8493	4.389	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	8.780%#			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.154	85	5877	4.616	ug/l		98
3) Chloromethane	2.395	50	4888	4.728	ug/l	#	80
4) Vinyl Chloride	2.554	62	6432	5.060	ug/l		92
5) Bromomethane	2.983	94	5807	5.006	ug/l		85
6) Chloroethane	3.148	64	5010	4.976	ug/l	#	85
7) Trichlorofluoromethane	3.530	101	11176	5.067	ug/l		91
8) Diethyl Ether	3.989	74	3700	5.257	ug/l		93
9) 1,1,2-Trichlorotrifluo...	4.395	101	6560	5.123	ug/l		95
10) Methyl Iodide	4.618	142	4343	3.418	ug/l	#	88
11) Tert butyl alcohol	5.547	59	7145	23.876	ug/l	#	86
12) 1,1-Dichloroethene	4.359	96	5888	4.840	ug/l		84
13) Acrolein	4.201	56	4647	22.420	ug/l		91
14) Allyl chloride	5.048	41	7376	4.947	ug/l		97
15) Acrylonitrile	5.736	53	18189	24.466	ug/l		94
16) Acetone	4.442	43	15512	24.710	ug/l		90
17) Carbon Disulfide	4.742	76	18128	4.967	ug/l	#	95
18) Methyl Acetate	5.042	43	7085	4.930	ug/l		96
19) Methyl tert-butyl Ether	5.818	73	20253	4.750	ug/l		95
20) Methylene Chloride	5.300	84	7222	5.193	ug/l	#	94
21) trans-1,2-Dichloroethene	5.806	96	7219	4.911	ug/l	#	79
22) Diisopropyl ether	6.683	45	16810	4.709	ug/l		97
23) Vinyl Acetate	6.618	43	74911	22.691	ug/l		97
24) 1,1-Dichloroethane	6.583	63	11739	5.019	ug/l	#	90
25) 2-Butanone	7.494	43	23187	23.635	ug/l		99
26) 2,2-Dichloropropane	7.494	77	11168	4.990	ug/l		96
27) cis-1,2-Dichloroethene	7.500	96	8016	4.722	ug/l		98
28) Bromochloromethane	7.818	49	5191	5.028	ug/l	#	99
29) Tetrahydrofuran	7.847	42	14321	22.653	ug/l		99
30) Chloroform	7.977	83	12926	4.986	ug/l		99
31) Cyclohexane	8.259	56	12851	5.747	ug/l		95
32) 1,1,1-Trichloroethane	8.177	97	12021	4.979	ug/l	#	52
36) 1,1-Dichloropropene	8.377	75	8686	4.578	ug/l		96
37) Ethyl Acetate	7.577	43	9226	4.523	ug/l	#	77
38) Carbon Tetrachloride	8.365	117	10388	4.831	ug/l		98
39) Methylcyclohexane	9.600	83	10082	4.462	ug/l		93
40) Benzene	8.612	78	27665	4.706	ug/l		98

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087239.D
Acq On : 30 Jun 2025 13:26
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 02:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	4482	4.596	ug/l		96
42) 1,2-Dichloroethane	8.671	62	9527	4.873	ug/l		99
43) Isopropyl Acetate	8.688	43	14551	4.600	ug/l		99
44) Trichloroethene	9.353	130	7916	5.068	ug/l		99
45) 1,2-Dichloropropane	9.624	63	5993	4.676	ug/l		100
46) Dibromomethane	9.712	93	5096	4.674	ug/l		95
47) Bromodichloromethane	9.888	83	10653	5.123	ug/l		98
48) Methyl methacrylate	9.688	41	5910	4.433	ug/l		91
49) 1,4-Dioxane	9.706	88	2216	95.176	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.447	43	41051	21.210	ug/l		91
52) Toluene	10.630	92	17699	4.591	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	10159	4.555	ug/l		94
54) cis-1,3-Dichloropropene	10.312	75	10766	4.737	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	7205	4.947	ug/l		90
56) Ethyl methacrylate	10.894	69	7424m	3.479	ug/l		
57) 1,3-Dichloropropane	11.165	76	11429	4.808	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.165	63	25452	22.570	ug/l		100
59) 2-Hexanone	11.229	43	29253m	21.538	ug/l		
60) Dibromochloromethane	11.353	129	8203	4.778	ug/l		98
61) 1,2-Dibromoethane	11.471	107	7413	4.732	ug/l		94
64) Tetrachloroethene	11.100	164	6463	4.883	ug/l		91
65) Chlorobenzene	11.888	112	21485	4.824	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	7339	4.772	ug/l		98
67) Ethyl Benzene	11.965	91	32924	4.568	ug/l		100
68) m/p-Xylenes	12.071	106	26022	9.037	ug/l		96
69) o-Xylene	12.394	106	12410	4.607	ug/l		93
70) Styrene	12.412	104	19413	4.241	ug/l		97
71) Bromoform	12.582	173	5728	4.828	ug/l	#	94
73) Isopropylbenzene	12.694	105	29505	4.491	ug/l		99
74) N-amyl acetate	12.629	43	10406m	4.683	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	10690	4.947	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	10355m	5.296	ug/l		
77) Bromobenzene	12.982	156	8392	4.894	ug/l		95
78) n-propylbenzene	13.035	91	36288	4.573	ug/l		99
79) 2-Chlorotoluene	13.123	91	21914	4.640	ug/l		99
80) 1,3,5-Trimethylbenzene	13.171	105	25170	4.584	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.741	75	3590	4.348	ug/l		98
82) 4-Chlorotoluene	13.218	91	22736	4.599	ug/l		99
83) tert-Butylbenzene	13.435	119	23030	4.787	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	24274	4.413	ug/l		95
85) sec-Butylbenzene	13.612	105	31033	4.551	ug/l		98
86) p-Isopropyltoluene	13.729	119	25785	4.399	ug/l		96
87) 1,3-Dichlorobenzene	13.729	146	16437	4.813	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	17485	4.903	ug/l		92
89) n-Butylbenzene	14.053	91	22888	4.435	ug/l		98
90) Hexachloroethane	14.329	117	5632	5.191	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	15614	4.889	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.712	75	2405	4.631	ug/l		95
93) 1,2,4-Trichlorobenzene	15.388	180	9076	4.805	ug/l		98
94) Hexachlorobutadiene	15.500	225	2862	4.770	ug/l		96
95) Naphthalene	15.635	128	28795	4.407	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	8548	4.646	ug/l		97

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087239.D
Acq On : 30 Jun 2025 13:26
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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

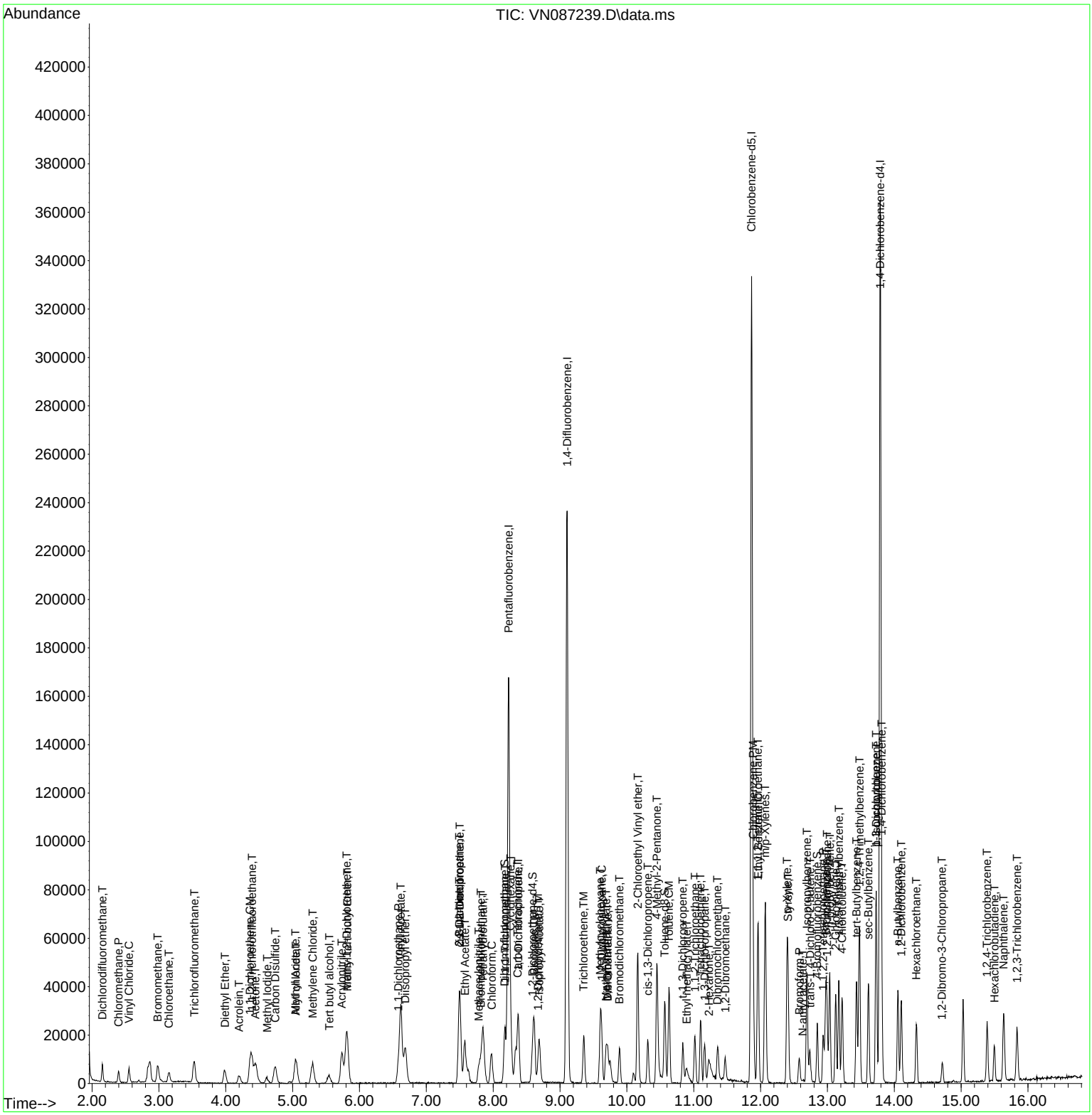
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087239.D
Acq On : 30 Jun 2025 13:26
Operator : JC\MD
Sample : VSTDICC005
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Jul 01 02:51:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC005

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087240.D
Acq On : 30 Jun 2025 13:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	129474	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	215181	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	199572	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	107199	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	30968	19.058	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	38.120%#		
35) Dibromofluoromethane	8.177	113	26051	18.907	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	37.820%#		
50) Toluene-d8	10.565	98	99006	18.435	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	36.880%#		
62) 4-Bromofluorobenzene	12.847	95	34669	18.143	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	36.280%#		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	24791	19.675	ug/l	88
3) Chloromethane	2.395	50	21348	20.865	ug/l	95
4) Vinyl Chloride	2.553	62	27189	21.615	ug/l	91
5) Bromomethane	2.983	94	23378	20.367	ug/l	96
6) Chloroethane	3.148	64	21961	22.041	ug/l	100
7) Trichlorofluoromethane	3.524	101	48454	22.199	ug/l	94
8) Diethyl Ether	3.983	74	16148	23.182	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.394	101	27634	21.806	ug/l	98
10) Methyl Iodide	4.612	142	24155	19.209	ug/l	96
11) Tert butyl alcohol	5.541	59	32352	109.242	ug/l	100
12) 1,1-Dichloroethene	4.365	96	26515	22.024	ug/l	96
13) Acrolein	4.200	56	19778	96.423	ug/l	96
14) Allyl chloride	5.047	41	32031	21.709	ug/l	99
15) Acrylonitrile	5.736	53	80075	108.836	ug/l	99
16) Acetone	4.447	43	67981	109.426	ug/l	100
17) Carbon Disulfide	4.736	76	77115	21.349	ug/l	99
18) Methyl Acetate	5.042	43	31895	22.426	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	91072	21.584	ug/l	99
20) Methylene Chloride	5.300	84	30740	22.336	ug/l	95
21) trans-1,2-Dichloroethene	5.800	96	31057	21.349	ug/l	92
22) Diisopropyl ether	6.688	45	75186	21.283	ug/l	96
23) Vinyl Acetate	6.618	43	349770	107.058	ug/l	99
24) 1,1-Dichloroethane	6.588	63	50915	21.998	ug/l	99
25) 2-Butanone	7.494	43	105032	108.184	ug/l	96
26) 2,2-Dichloropropane	7.500	77	48007	21.675	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	36346	21.634	ug/l	98
28) Bromochloromethane	7.824	49	19872	19.451	ug/l	100
29) Tetrahydrofuran	7.841	42	67646	108.126	ug/l	99
30) Chloroform	7.977	83	57066	22.244	ug/l	97
31) Cyclohexane	8.265	56	45223	20.435	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	51476	21.545	ug/l	95
36) 1,1-Dichloropropene	8.377	75	40228	21.470	ug/l	98
37) Ethyl Acetate	7.571	43	42975	21.336	ug/l	98
38) Carbon Tetrachloride	8.365	117	45599	21.477	ug/l	97
39) Methylcyclohexane	9.606	83	46912	21.024	ug/l	97
40) Benzene	8.612	78	123421	21.262	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087240.D
Acq On : 30 Jun 2025 13:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 02:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	19794	20.554	ug/l		97
42) 1,2-Dichloroethane	8.677	62	40449	20.953	ug/l		98
43) Isopropyl Acetate	8.694	43	65553	20.986	ug/l		99
44) Trichloroethene	9.359	130	33119	21.472	ug/l		97
45) 1,2-Dichloropropane	9.624	63	27644	21.842	ug/l		96
46) Dibromomethane	9.712	93	23348	21.685	ug/l		99
47) Bromodichloromethane	9.888	83	44885	21.858	ug/l		98
48) Methyl methacrylate	9.682	41	27798	21.115	ug/l		99
49) 1,4-Dioxane	9.706	88	11099	414.726	ug/l	#	96
51) 4-Methyl-2-Pentanone	10.447	43	202677	106.049	ug/l		98
52) Toluene	10.629	92	79914	20.992	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	46151	20.954	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	47974	21.379	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	30459	21.180	ug/l		98
56) Ethyl methacrylate	10.882	69	40675	19.305	ug/l		98
57) 1,3-Dichloropropane	11.165	76	49765	21.202	ug/l		95
58) 2-Chloroethyl Vinyl ether	10.159	63	110371	99.116	ug/l		99
59) 2-Hexanone	11.206	43	115536	86.145	ug/l		100
60) Dibromochloromethane	11.359	129	36186	21.345	ug/l		100
61) 1,2-Dibromoethane	11.471	107	33365	21.568	ug/l		98
64) Tetrachloroethene	11.106	164	28895	21.715	ug/l		93
65) Chlorobenzene	11.888	112	95342	21.291	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	33163	21.447	ug/l		100
67) Ethyl Benzene	11.965	91	155243	21.424	ug/l		100
68) m/p-Xylenes	12.070	106	124779	43.100	ug/l		98
69) o-Xylene	12.394	106	57624	21.278	ug/l		99
70) Styrene	12.412	104	100395	21.813	ug/l		99
71) Bromoform	12.576	173	25584	21.446	ug/l	#	99
73) Isopropylbenzene	12.694	105	149781	21.685	ug/l		100
74) N-amyl acetate	12.535	43	45817m	19.608	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	48773	21.467	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	47922m	23.309	ug/l		
77) Bromobenzene	12.976	156	38968	21.612	ug/l		99
78) n-propylbenzene	13.035	91	177391	21.261	ug/l		100
79) 2-Chlorotoluene	13.123	91	105000	21.146	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	124148	21.503	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	16836	19.395	ug/l		95
82) 4-Chlorotoluene	13.217	91	110348	21.229	ug/l		99
83) tert-Butylbenzene	13.435	119	107641	21.280	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	127331	22.016	ug/l		100
85) sec-Butylbenzene	13.612	105	156100	21.771	ug/l		99
86) p-Isopropyltoluene	13.729	119	135402	21.970	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	76707	21.362	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	80130	21.372	ug/l		98
89) n-Butylbenzene	14.053	91	114151	21.037	ug/l		99
90) Hexachloroethane	14.329	117	23512	20.610	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	73748	21.960	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	11129	20.383	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	42544	21.423	ug/l		99
94) Hexachlorobutadiene	15.494	225	13314	21.105	ug/l		97
95) Naphthalene	15.641	128	143171	20.838	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	41451	21.425	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087240.D
Acq On : 30 Jun 2025 13:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

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

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

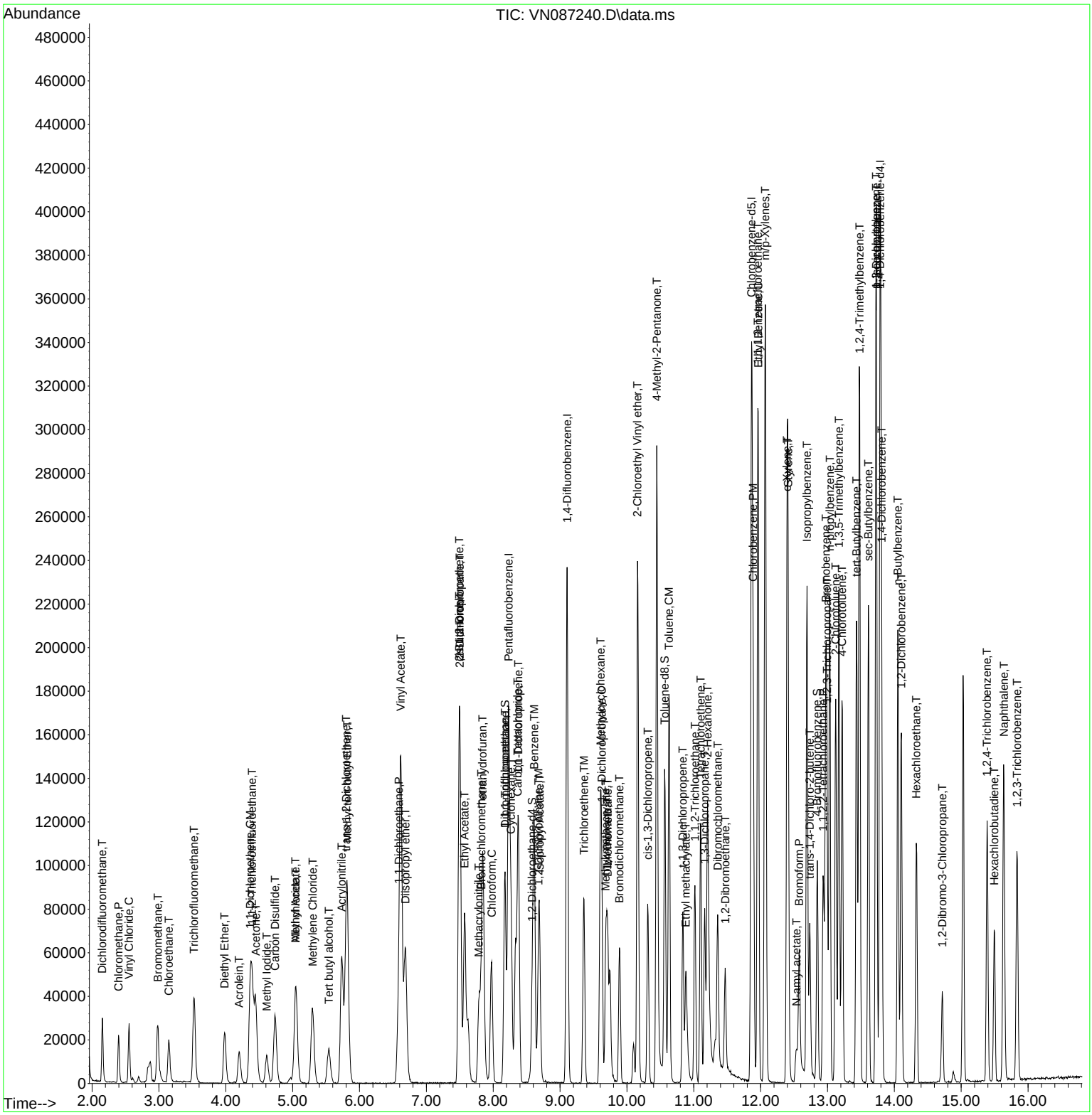
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087240.D
Acq On : 30 Jun 2025 13:47
Operator : JC\MD
Sample : VSTDICC020
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Quant Time: Jul 01 02:52:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC020

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087241.D
Acq On : 30 Jun 2025 14:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	137009	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	223678	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	210841	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	118875	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	81168	47.203	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.177	113	68595	47.894	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.780%			
50) Toluene-d8	10.565	98	269608	48.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.580%			
62) 4-Bromofluorobenzene	12.847	95	96635	48.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	69467	52.100	ug/l	100
3) Chloromethane	2.395	50	53813	49.703	ug/l	100
4) Vinyl Chloride	2.554	62	66873	50.239	ug/l	100
5) Bromomethane	2.989	94	55116	45.375	ug/l	100
6) Chloroethane	3.154	64	52371	49.672	ug/l	100
7) Trichlorofluoromethane	3.524	101	112325	48.631	ug/l	100
8) Diethyl Ether	3.983	74	37557	50.952	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.401	101	65594	48.914	ug/l	100
10) Methyl Iodide	4.612	142	72025	54.128	ug/l	100
11) Tert butyl alcohol	5.536	59	78884	251.715	ug/l	100
12) 1,1-Dichloroethene	4.371	96	63548	49.882	ug/l	100
13) Acrolein	4.201	56	51896	239.092	ug/l	100
14) Allyl chloride	5.048	41	77293	49.504	ug/l	100
15) Acrylonitrile	5.736	53	188884	242.609	ug/l	100
16) Acetone	4.448	43	154726	235.358	ug/l	100
17) Carbon Disulfide	4.742	76	180939	47.338	ug/l	100
18) Methyl Acetate	5.048	43	73923	49.119	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	220092	49.293	ug/l	100
20) Methylene Chloride	5.295	84	69320	47.600	ug/l	100
21) trans-1,2-Dichloroethene	5.806	96	72690	47.219	ug/l	100
22) Diisopropyl ether	6.683	45	184346	49.314	ug/l	100
23) Vinyl Acetate	6.618	43	867635	250.962	ug/l	100
24) 1,1-Dichloroethane	6.589	63	119563	48.816	ug/l	100
25) 2-Butanone	7.494	43	253348	246.599	ug/l	100
26) 2,2-Dichloropropane	7.500	77	113182	48.292	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	86734	48.787	ug/l	100
28) Bromochloromethane	7.818	49	54874	50.759	ug/l	100
29) Tetrahydrofuran	7.847	42	166593	251.640	ug/l	100
30) Chloroform	7.977	83	131000	48.255	ug/l	100
31) Cyclohexane	8.265	56	107262	45.803	ug/l	100
32) 1,1,1-Trichloroethane	8.177	97	121470	48.045	ug/l	100
36) 1,1-Dichloropropene	8.377	75	95142	48.849	ug/l	100
37) Ethyl Acetate	7.571	43	104007	49.676	ug/l	100
38) Carbon Tetrachloride	8.371	117	108564	49.192	ug/l	100
39) Methylcyclohexane	9.606	83	115231	49.680	ug/l	100
40) Benzene	8.612	78	293072	48.570	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087241.D
Acq On : 30 Jun 2025 14:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 02:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	49653	49.600	ug/l		100
42) 1,2-Dichloroethane	8.677	62	99146	49.408	ug/l		100
43) Isopropyl Acetate	8.694	43	160630	49.471	ug/l		100
44) Trichloroethene	9.353	130	77456	48.309	ug/l		100
45) 1,2-Dichloropropane	9.624	63	64834	49.280	ug/l		100
46) Dibromomethane	9.712	93	54017	48.263	ug/l		100
47) Bromodichloromethane	9.888	83	103956	48.701	ug/l		100
48) Methyl methacrylate	9.683	41	69205	50.571	ug/l		100
49) 1,4-Dioxane	9.706	88	28918	1014.339	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.447	43	507742	255.578	ug/l		100
52) Toluene	10.630	92	198944	50.273	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	114875	50.175	ug/l		100
54) cis-1,3-Dichloropropene	10.312	75	116029	49.742	ug/l		100
55) 1,1,2-Trichloroethane	11.018	97	72685	48.622	ug/l		100
56) Ethyl methacrylate	10.877	69	108609	49.589	ug/l		100
57) 1,3-Dichloropropane	11.165	76	117795	48.280	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.159	63	297817	257.288	ug/l		100
59) 2-Hexanone	11.200	43	343264	246.218	ug/l		100
60) Dibromochloromethane	11.359	129	88005	49.940	ug/l		100
61) 1,2-Dibromoethane	11.471	107	79946	49.717	ug/l		100
64) Tetrachloroethene	11.106	164	68113	48.452	ug/l		100
65) Chlorobenzene	11.888	112	225739	47.715	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	79746	48.817	ug/l		100
67) Ethyl Benzene	11.965	91	379801	49.612	ug/l		100
68) m/p-Xylenes	12.071	106	309513	101.195	ug/l		100
69) o-Xylene	12.394	106	146624	51.247	ug/l		100
70) Styrene	12.412	104	253569	52.149	ug/l		100
71) Bromoform	12.576	173	64867	51.470	ug/l	#	100
73) Isopropylbenzene	12.694	105	373752	48.795	ug/l		100
74) N-amyl acetate	12.518	43	98015	37.828	ug/l		100
75) 1,1,2,2-Tetrachloroethane	12.935	83	118115	46.881	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	101153m	44.369	ug/l		
77) Bromobenzene	12.976	156	98367	49.197	ug/l		100
78) n-propylbenzene	13.035	91	451207	48.767	ug/l		100
79) 2-Chlorotoluene	13.123	91	266153	48.335	ug/l		100
80) 1,3,5-Trimethylbenzene	13.171	105	323098	50.465	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.735	75	46322	48.121	ug/l		100
82) 4-Chlorotoluene	13.218	91	277251	48.100	ug/l		100
83) tert-Butylbenzene	13.435	119	276002	49.205	ug/l		100
84) 1,2,4-Trimethylbenzene	13.482	105	330399	51.517	ug/l		100
85) sec-Butylbenzene	13.612	105	400536	50.376	ug/l		100
86) p-Isopropyltoluene	13.723	119	349337	51.115	ug/l		100
87) 1,3-Dichlorobenzene	13.729	146	191544	48.104	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	193132	46.452	ug/l		100
89) n-Butylbenzene	14.053	91	301749	50.147	ug/l		100
90) Hexachloroethane	14.329	117	61358	48.503	ug/l		100
91) 1,2-Dichlorobenzene	14.106	146	179275	48.140	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28180	46.543	ug/l		100
93) 1,2,4-Trichlorobenzene	15.388	180	106230	48.238	ug/l		100
94) Hexachlorobutadiene	15.500	225	32422	46.347	ug/l		100
95) Naphthalene	15.635	128	375959	49.345	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	104078	48.511	ug/l		100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087241.D
Acq On : 30 Jun 2025 14:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

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

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

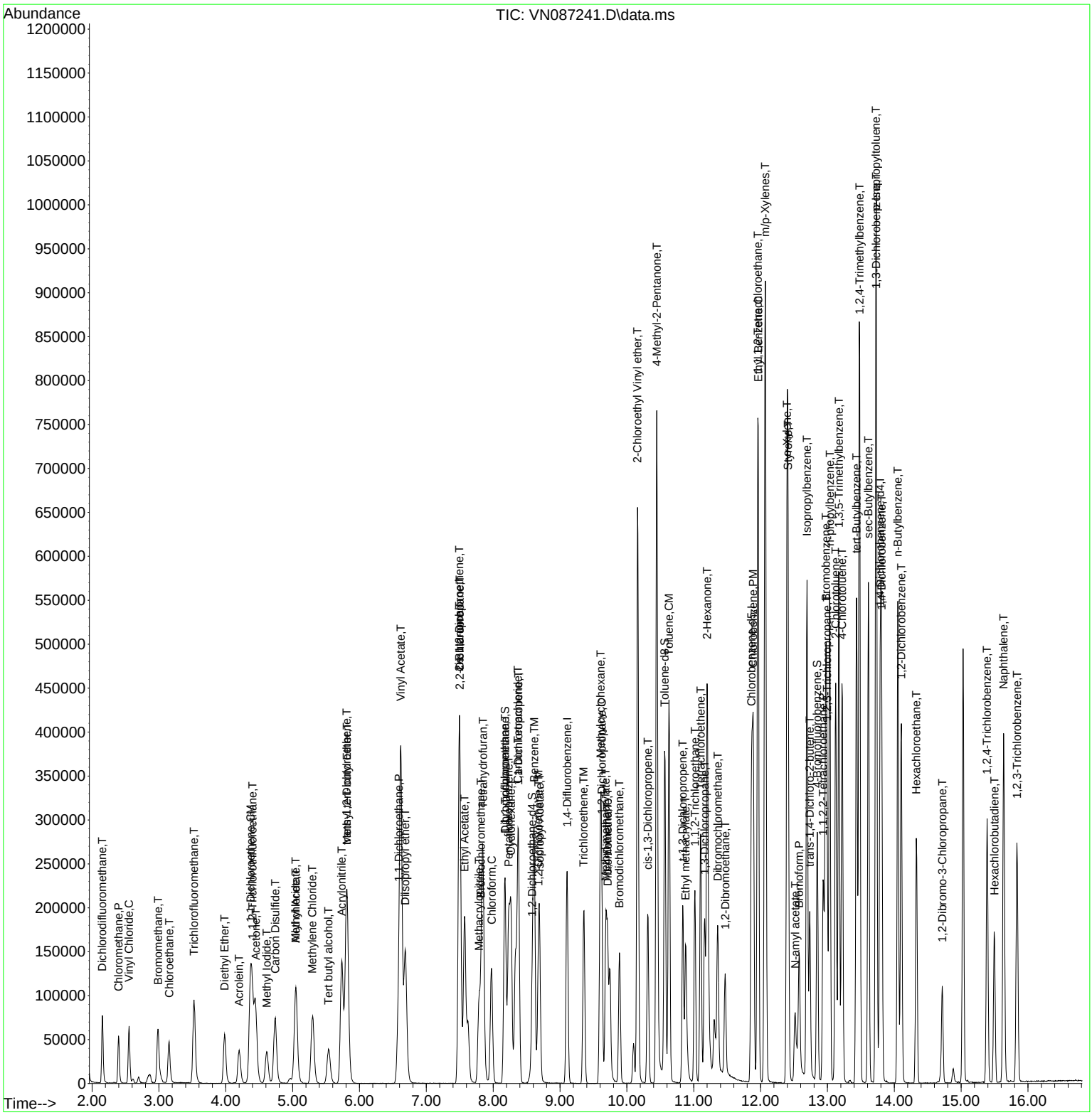
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087241.D
Acq On : 30 Jun 2025 14:09
Operator : JC\MD
Sample : VSTDICCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Jul 01 02:53:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087242.D
Acq On : 30 Jun 2025 14:30
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	140023	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	224947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	214414	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117549	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	178130	101.362	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 202.720%#			
35) Dibromofluoromethane	8.177	113	150169	104.259	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 208.520%#			
50) Toluene-d8	10.565	98	613147	109.213	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 218.420%#			
62) 4-Bromofluorobenzene	12.847	95	220554	110.411	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 220.820%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	142337	104.455	ug/l	100
3) Chloromethane	2.395	50	112454	101.630	ug/l	97
4) Vinyl Chloride	2.553	62	139421	102.488	ug/l	99
5) Bromomethane	2.971	94	122914	99.014	ug/l	96
6) Chloroethane	3.147	64	107326	99.603	ug/l	97
7) Trichlorofluoromethane	3.524	101	229731	97.321	ug/l	97
8) Diethyl Ether	3.983	74	78710	104.484	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	136104	99.309	ug/l	99
10) Methyl Iodide	4.612	142	155087	114.042	ug/l	98
11) Tert butyl alcohol	5.547	59	156477	488.564	ug/l	100
12) 1,1-Dichloroethene	4.365	96	130582	100.293	ug/l	98
13) Acrolein	4.200	56	116332	524.420	ug/l	98
14) Allyl chloride	5.047	41	164053	102.811	ug/l	99
15) Acrylonitrile	5.736	53	401033	504.012	ug/l	99
16) Acetone	4.441	43	318207	473.614	ug/l	97
17) Carbon Disulfide	4.736	76	369523	94.595	ug/l	98
18) Methyl Acetate	5.041	43	152371	99.065	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	469578	102.906	ug/l	98
20) Methylene Chloride	5.294	84	142327	95.627	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	154052	97.917	ug/l	97
22) Diisopropyl ether	6.683	45	410415	107.425	ug/l	99
23) Vinyl Acetate	6.618	43	1941122	549.382	ug/l	98
24) 1,1-Dichloroethane	6.583	63	250943	100.251	ug/l	99
25) 2-Butanone	7.494	43	545457	519.499	ug/l	100
26) 2,2-Dichloropropane	7.500	77	240475	100.396	ug/l	99
27) cis-1,2-Dichloroethene	7.500	96	183793	101.157	ug/l	99
28) Bromochloromethane	7.824	49	113265	102.515	ug/l	98
29) Tetrahydrofuran	7.847	42	368677	544.902	ug/l	99
30) Chloroform	7.971	83	278788	100.483	ug/l	95
31) Cyclohexane	8.265	56	226194	94.510	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	251529	97.346	ug/l	98
36) 1,1-Dichloropropene	8.377	75	206454	105.403	ug/l	100
37) Ethyl Acetate	7.571	43	220517	104.729	ug/l	99
38) Carbon Tetrachloride	8.371	117	230551	103.877	ug/l	97
39) Methylcyclohexane	9.606	83	252386	108.199	ug/l	97
40) Benzene	8.612	78	621487	102.416	ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087242.D
Acq On : 30 Jun 2025 14:30
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.782	41	109937	109.199 ug/l	99
42) 1,2-Dichloroethane	8.677	62	211540	104.824 ug/l	100
43) Isopropyl Acetate	8.694	43	356245	109.097 ug/l	99
44) Trichloroethene	9.359	130	163911	101.654 ug/l	97
45) 1,2-Dichloropropane	9.624	63	140013	105.824 ug/l	95
46) Dibromomethane	9.712	93	114930	102.109 ug/l	99
47) Bromodichloromethane	9.888	83	218457	101.765 ug/l	98
48) Methyl methacrylate	9.682	41	154943	112.584 ug/l	99
49) 1,4-Dioxane	9.700	88	55855	1932.760 ug/l #	96
51) 4-Methyl-2-Pentanone	10.447	43	1161117	581.166 ug/l	98
52) Toluene	10.629	92	430256	108.111 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	255930	111.155 ug/l	98
54) cis-1,3-Dichloropropene	10.312	75	254432	108.459 ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	157393	104.693 ug/l	99
56) Ethyl methacrylate	10.876	69	252974	114.851 ug/l	97
57) 1,3-Dichloropropane	11.165	76	257910	105.111 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	651832	559.949 ug/l	98
59) 2-Hexanone	11.200	43	822906	586.928 ug/l	96
60) Dibromochloromethane	11.359	129	191065	107.811 ug/l	99
61) 1,2-Dibromoethane	11.470	107	175515	108.533 ug/l	99
64) Tetrachloroethene	11.106	164	146461	102.448 ug/l	97
65) Chlorobenzene	11.888	112	485134	100.836 ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.959	131	168975	101.715 ug/l	99
67) Ethyl Benzene	11.965	91	844081	108.422 ug/l	98
68) m/p-Xylenes	12.070	106	675274	217.101 ug/l	99
69) o-Xylene	12.394	106	322141	110.716 ug/l	99
70) Styrene	12.412	104	562835	113.823 ug/l	99
71) Bromoform	12.576	173	139662	108.970 ug/l #	99
73) Isopropylbenzene	12.694	105	824817	108.899 ug/l	99
74) N-amyl acetate	12.506	43	261839	102.193 ug/l #	92
75) 1,1,2,2-Tetrachloroethane	12.935	83	252353	101.292 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	217465m	96.463 ug/l	
77) Bromobenzene	12.976	156	206307	104.345 ug/l	96
78) n-propylbenzene	13.035	91	990721	108.287 ug/l	99
79) 2-Chlorotoluene	13.123	91	570319	104.743 ug/l	100
80) 1,3,5-Trimethylbenzene	13.170	105	688975	108.826 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	101531	106.663 ug/l	96
82) 4-Chlorotoluene	13.217	91	608108	106.689 ug/l	98
83) tert-Butylbenzene	13.435	119	587629	105.942 ug/l	100
84) 1,2,4-Trimethylbenzene	13.476	105	702592	110.786 ug/l	99
85) sec-Butylbenzene	13.611	105	854334	108.662 ug/l	99
86) p-Isopropyltoluene	13.723	119	736941	109.045 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	403426	102.457 ug/l	99
88) 1,4-Dichlorobenzene	13.811	146	394932	96.060 ug/l	99
89) n-Butylbenzene	14.053	91	635021	106.723 ug/l	99
90) Hexachloroethane	14.329	117	127720	102.100 ug/l	99
91) 1,2-Dichlorobenzene	14.106	146	369767	100.413 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	60505	101.059 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	220115	101.080 ug/l	99
94) Hexachlorobutadiene	15.494	225	61751	89.269 ug/l	98
95) Naphthalene	15.635	128	821381	109.024 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	215640	101.643 ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087242.D
Acq On : 30 Jun 2025 14:30
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

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

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

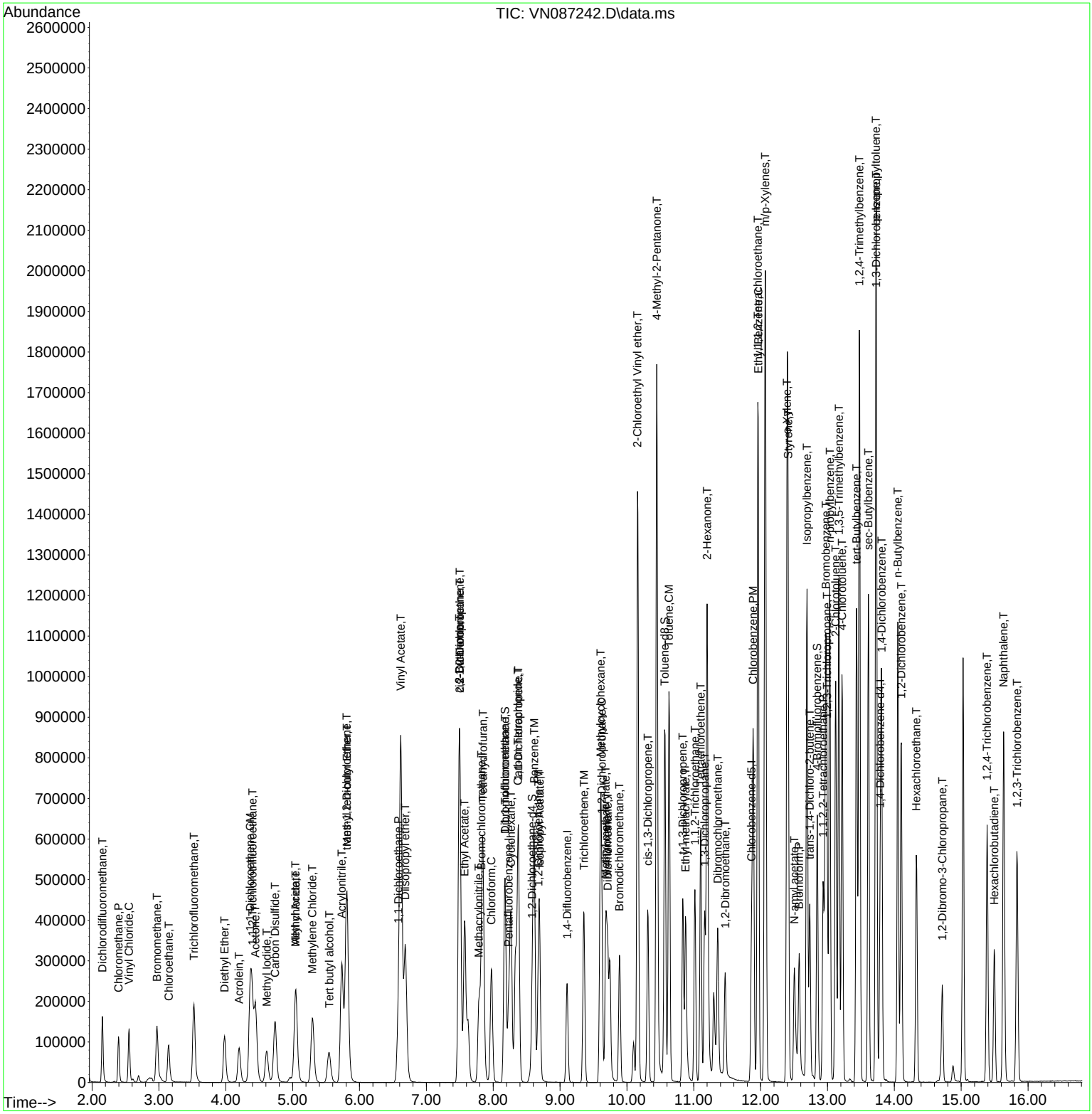
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087242.D
Acq On : 30 Jun 2025 14:30
Operator : JC\MD
Sample : VSTDICC100
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Quant Time: Jul 01 02:54:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC100

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087243.D
Acq On : 30 Jun 2025 14:51
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	144785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	231495	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	217442	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	117603	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	284800	156.730	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 313.460%#			
35) Dibromofluoromethane	8.171	113	239662	161.685	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 323.360%#			
50) Toluene-d8	10.565	98	961393	166.399	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 332.800%#			
62) 4-Bromofluorobenzene	12.847	95	350896	170.692	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 341.380%#			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	232015	164.665	ug/l	98
3) Chloromethane	2.395	50	185994	162.563	ug/l	97
4) Vinyl Chloride	2.554	62	212464	151.044	ug/l	97
5) Bromomethane	2.959	94	208471	162.411	ug/l	99
6) Chloroethane	3.136	64	162523	145.867	ug/l	94
7) Trichlorofluoromethane	3.518	101	348210	142.660	ug/l	99
8) Diethyl Ether	3.977	74	119483	153.392	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.395	101	209895	148.114	ug/l	100
10) Methyl Iodide	4.606	142	238964	169.942	ug/l	99
11) Tert butyl alcohol	5.553	59	240570	726.420	ug/l	99
12) 1,1-Dichloroethene	4.365	96	205963	152.987	ug/l	98
13) Acrolein	4.200	56	195041	850.319	ug/l	97
14) Allyl chloride	5.048	41	255342	154.757	ug/l	98
15) Acrylonitrile	5.736	53	634435	771.123	ug/l	100
16) Acetone	4.448	43	491715	707.789	ug/l	98
17) Carbon Disulfide	4.736	76	571179	141.408	ug/l	97
18) Methyl Acetate	5.042	43	240471	151.201	ug/l	100
19) Methyl tert-butyl Ether	5.812	73	755437	160.106	ug/l	99
20) Methylene Chloride	5.295	84	218472	141.960	ug/l	97
21) trans-1,2-Dichloroethene	5.806	96	243156	149.470	ug/l	99
22) Diisopropyl ether	6.683	45	681059	172.402	ug/l	97
23) Vinyl Acetate	6.618	43	3242675	887.566	ug/l	97
24) 1,1-Dichloroethane	6.583	63	397782	153.686	ug/l	98
25) 2-Butanone	7.494	43	869715	801.082	ug/l	99
26) 2,2-Dichloropropane	7.500	77	378234	152.715	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	291807	155.323	ug/l	99
28) Bromochloromethane	7.824	49	182313	159.583	ug/l	94
29) Tetrahydrofuran	7.847	42	595175	850.732	ug/l	97
30) Chloroform	7.971	83	443990	154.763	ug/l	99
31) Cyclohexane	8.265	56	359235	145.162	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	401169	150.153	ug/l	96
36) 1,1-Dichloropropene	8.377	75	323489	160.482	ug/l	100
37) Ethyl Acetate	7.571	43	353864	163.305	ug/l	99
38) Carbon Tetrachloride	8.371	117	355556	155.668	ug/l	99
39) Methylcyclohexane	9.606	83	397360	165.531	ug/l	97
40) Benzene	8.612	78	982098	157.264	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087243.D
Acq On : 30 Jun 2025 14:51
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.789	41	179444	173.198 ug/l	98
42) 1,2-Dichloroethane	8.677	62	327038	157.473 ug/l	100
43) Isopropyl Acetate	8.694	43	569057	169.340 ug/l	99
44) Trichloroethene	9.353	130	257135	154.958 ug/l	97
45) 1,2-Dichloropropane	9.624	63	222118	163.131 ug/l	96
46) Dibromomethane	9.712	93	181357	156.568 ug/l	99
47) Bromodichloromethane	9.888	83	343525	155.500 ug/l	99
48) Methyl methacrylate	9.682	41	254189	179.473 ug/l	96
49) 1,4-Dioxane	9.706	88	90644	3038.212 ug/l #	95
51) 4-Methyl-2-Pentanone	10.447	43	1853562	901.509 ug/l	99
52) Toluene	10.630	92	680922	166.257 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	404704	170.798 ug/l	94
54) cis-1,3-Dichloropropene	10.312	75	401966	166.504 ug/l	99
55) 1,1,2-Trichloroethane	11.018	97	241610	156.165 ug/l	99
56) Ethyl methacrylate	10.877	69	407510	179.778 ug/l	97
57) 1,3-Dichloropropane	11.165	76	401258	158.907 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	1063072	887.389 ug/l	97
59) 2-Hexanone	11.200	43	1322306	916.442 ug/l	95
60) Dibromochloromethane	11.359	129	291756	159.971 ug/l	100
61) 1,2-Dibromoethane	11.471	107	269210	161.763 ug/l	99
64) Tetrachloroethene	11.106	164	224325	154.728 ug/l	96
65) Chlorobenzene	11.888	112	747168	153.137 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	260562	154.661 ug/l	99
67) Ethyl Benzene	11.965	91	1329221	168.360 ug/l	98
68) m/p-Xylenes	12.071	106	1055031	334.469 ug/l	98
69) o-Xylene	12.394	106	507405	171.961 ug/l	100
70) Styrene	12.412	104	890413	177.563 ug/l	99
71) Bromoform	12.576	173	217497	167.337 ug/l #	100
73) Isopropylbenzene	12.694	105	1284082	169.457 ug/l	99
74) N-amyl acetate	12.500	43	448007	174.773 ug/l #	90
75) 1,1,2,2-Tetrachloroethane	12.935	83	389364	156.214 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	330799m	146.668 ug/l	
77) Bromobenzene	12.976	156	314972	159.233 ug/l	94
78) n-propylbenzene	13.035	91	1520560	166.122 ug/l	99
79) 2-Chlorotoluene	13.123	91	883357	162.160 ug/l	98
80) 1,3,5-Trimethylbenzene	13.171	105	1049859	165.753 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	161637	169.730 ug/l	96
82) 4-Chlorotoluene	13.218	91	927025	162.567 ug/l	98
83) tert-Butylbenzene	13.435	119	900660	162.303 ug/l	99
84) 1,2,4-Trimethylbenzene	13.482	105	1080552	170.305 ug/l	100
85) sec-Butylbenzene	13.612	105	1281421	162.909 ug/l	99
86) p-Isopropyltoluene	13.723	119	1128047	166.840 ug/l	100
87) 1,3-Dichlorobenzene	13.729	146	617072	156.645 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	607219	147.627 ug/l	100
89) n-Butylbenzene	14.053	91	971482	163.194 ug/l	99
90) Hexachloroethane	14.329	117	196297	156.849 ug/l	98
91) 1,2-Dichlorobenzene	14.106	146	572170	155.306 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	94686	158.078 ug/l	98
93) 1,2,4-Trichlorobenzene	15.388	180	349927	160.619 ug/l	99
94) Hexachlorobutadiene	15.500	225	100158	144.724 ug/l	98
95) Naphthalene	15.635	128	1320934	175.250 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	346615	163.304 ug/l	100

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087243.D
Acq On : 30 Jun 2025 14:51
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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

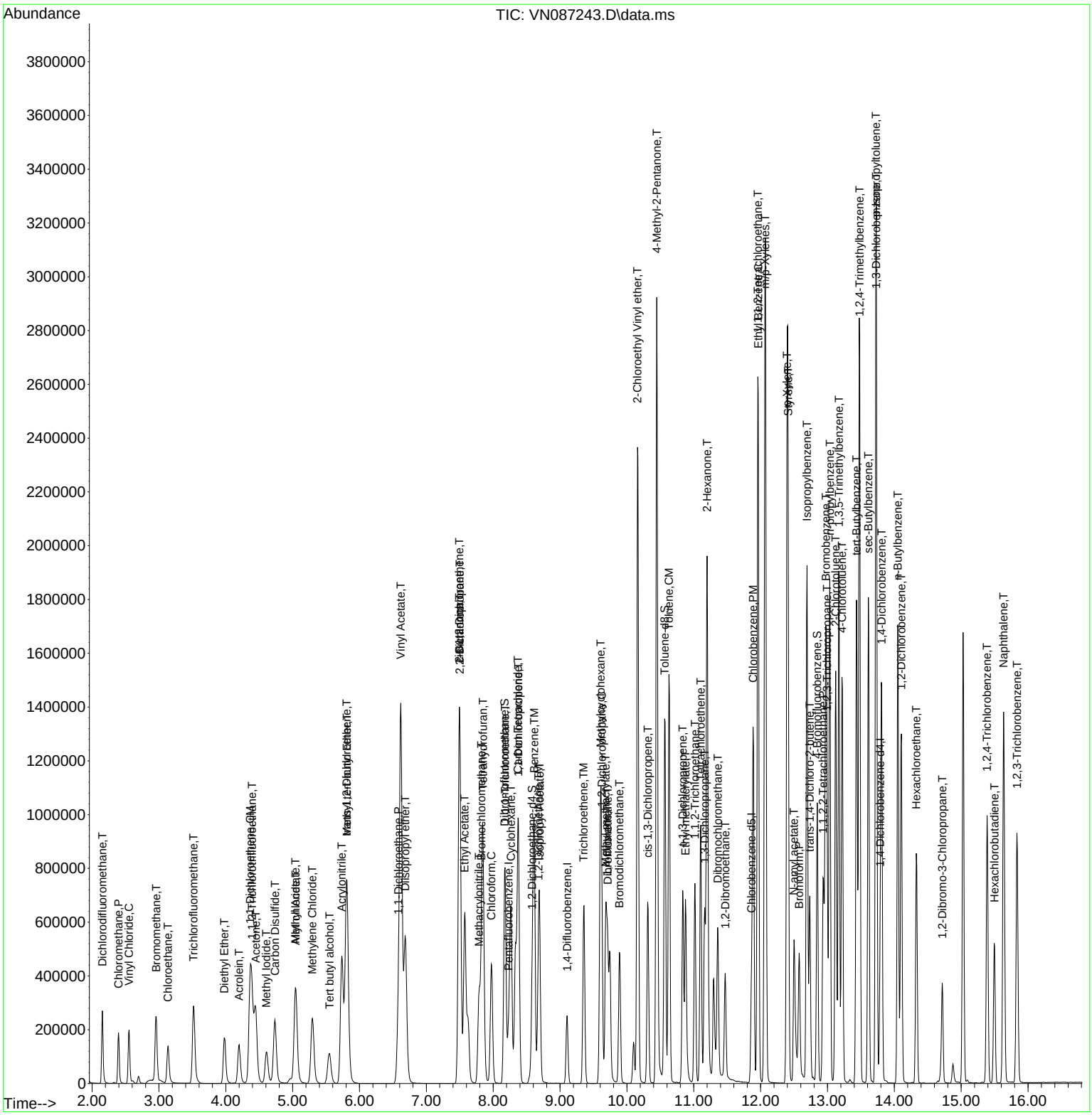
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087243.D
Acq On : 30 Jun 2025 14:51
Operator : JC\MD
Sample : VSTDICC150
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jul 01 02:55:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDICC150

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Quantitation Report (QT Reviewed)

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	127333	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	207354	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	195348	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	110838	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	78355	49.030	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 98.060%			
35) Dibromofluoromethane	8.177	113	66572	50.141	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.280%			
50) Toluene-d8	10.571	98	262839	50.789	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.580%			
62) 4-Bromofluorobenzene	12.847	95	95159	51.679	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	65967	53.235	ug/l	99
3) Chloromethane	2.395	50	50571	50.258	ug/l	97
4) Vinyl Chloride	2.553	62	65326	52.806	ug/l	98
5) Bromomethane	2.989	94	55548	49.206	ug/l	98
6) Chloroethane	3.153	64	49779	50.801	ug/l	100
7) Trichlorofluoromethane	3.524	101	110248	51.359	ug/l	98
8) Diethyl Ether	3.983	74	36779	53.688	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.394	101	65115	52.246	ug/l	99
10) Methyl Iodide	4.612	142	63738	51.540	ug/l	96
11) Tert butyl alcohol	5.547	59	77873	267.372	ug/l	99
12) 1,1-Dichloroethene	4.359	96	61694	52.106	ug/l	96
13) Acrolein	4.200	56	54285	269.103	ug/l	97
14) Allyl chloride	5.047	41	73327	50.533	ug/l	99
15) Acrylonitrile	5.736	53	183961	254.241	ug/l	99
16) Acetone	4.447	43	156718	256.503	ug/l	100
17) Carbon Disulfide	4.736	76	173110	48.731	ug/l	97
18) Methyl Acetate	5.047	43	70530	50.425	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	213539	51.460	ug/l	97
20) Methylene Chloride	5.300	84	66689	49.273	ug/l	95
21) trans-1,2-Dichloroethene	5.806	96	69625	48.665	ug/l	100
22) Diisopropyl ether	6.683	45	174359	50.186	ug/l	96
23) Vinyl Acetate	6.618	43	823453	256.282	ug/l	99
24) 1,1-Dichloroethane	6.588	63	113037	49.658	ug/l	99
25) 2-Butanone	7.494	43	244802	256.388	ug/l	98
26) 2,2-Dichloropropane	7.500	77	111854	51.352	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	83881	50.768	ug/l	99
28) Bromochloromethane	7.824	49	49944	49.709	ug/l	99
29) Tetrahydrofuran	7.847	42	161239	262.060	ug/l	100
30) Chloroform	7.977	83	125697	49.820	ug/l	99
31) Cyclohexane	8.265	56	103007	47.329	ug/l	96
32) 1,1,1-Trichloroethane	8.177	97	115491	49.152	ug/l	99
36) 1,1-Dichloropropene	8.377	75	90540	50.146	ug/l	98
37) Ethyl Acetate	7.565	43	99904	51.473	ug/l	99
38) Carbon Tetrachloride	8.371	117	105499	51.567	ug/l	97
39) Methylcyclohexane	9.606	83	114693	53.341	ug/l	97
40) Benzene	8.612	78	279746	50.011	ug/l	99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	46952	50.594	ug/l		99
42) 1,2-Dichloroethane	8.677	62	93288	50.149	ug/l		100
43) Isopropyl Acetate	8.694	43	154220	51.236	ug/l		99
44) Trichloroethene	9.359	130	75153	50.563	ug/l		96
45) 1,2-Dichloropropane	9.624	63	62765	51.463	ug/l		95
46) Dibromomethane	9.712	93	51542	49.678	ug/l		99
47) Bromodichloromethane	9.888	83	99398	50.232	ug/l		98
48) Methyl methacrylate	9.682	41	66617	52.512	ug/l		100
49) 1,4-Dioxane	9.706	88	27300	1032.664	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	496658	269.680	ug/l		99
52) Toluene	10.629	92	189255	51.589	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	112449	52.982	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	109875	50.812	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	70470	50.851	ug/l		97
56) Ethyl methacrylate	10.876	69	104884	51.658	ug/l		99
57) 1,3-Dichloropropane	11.165	76	114932	50.815	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	282231	263.018	ug/l		100
59) 2-Hexanone	11.200	43	327472	253.382	ug/l		99
60) Dibromochloromethane	11.359	129	86656	53.046	ug/l		98
61) 1,2-Dibromoethane	11.470	107	77514	51.999	ug/l		99
64) Tetrachloroethene	11.106	164	65252	50.098	ug/l		100
65) Chlorobenzene	11.888	112	217335	49.582	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	75261	49.725	ug/l		98
67) Ethyl Benzene	11.965	91	365845	51.579	ug/l		99
68) m/p-Xylenes	12.070	106	299006	105.513	ug/l		100
69) o-Xylene	12.394	106	140690	53.073	ug/l		98
70) Styrene	12.412	104	244038	54.169	ug/l		100
71) Bromoform	12.576	173	63252	54.169	ug/l	#	98
73) Isopropylbenzene	12.694	105	359172	50.292	ug/l		99
74) N-amyl acetate	12.517	43	117314m	48.559	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	112772	48.006	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	95738m	45.039	ug/l		
77) Bromobenzene	12.982	156	93704	50.263	ug/l		98
78) n-propylbenzene	13.035	91	436421	50.589	ug/l		100
79) 2-Chlorotoluene	13.123	91	255267	49.720	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	306689	51.376	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	42918	47.817	ug/l		90
82) 4-Chlorotoluene	13.217	91	266794	49.642	ug/l		100
83) tert-Butylbenzene	13.435	119	269244	51.480	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	314495	52.593	ug/l		99
85) sec-Butylbenzene	13.612	105	389029	52.476	ug/l		100
86) p-Isopropyltoluene	13.729	119	339463	53.272	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	186697	50.286	ug/l		100
88) 1,4-Dichlorobenzene	13.812	146	187859	48.460	ug/l		99
89) n-Butylbenzene	14.053	91	297348	52.999	ug/l		99
90) Hexachloroethane	14.329	117	59100	50.106	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	172700	49.738	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	26479	46.905	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	103114	50.219	ug/l		99
94) Hexachlorobutadiene	15.494	225	31462	48.236	ug/l		97
95) Naphthalene	15.635	128	361028	50.821	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	101133	50.556	ug/l		99

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
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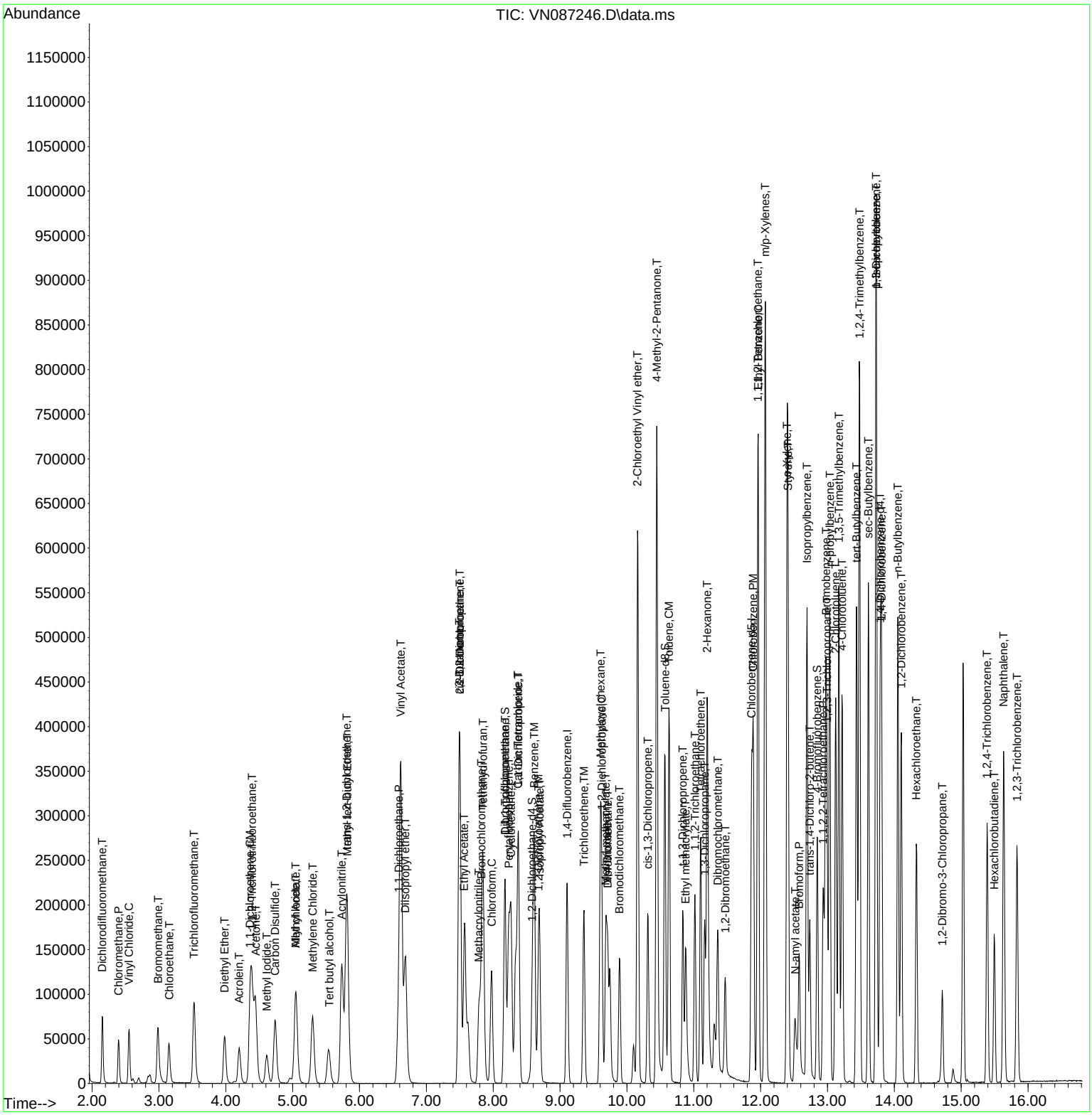
Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Manual Integrations APPROVED

Reviewed By :John Carlone 07/01/2025
Supervised By :Mahesh Dadoda 07/01/2025



Evaluate Continuing Calibration Report

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
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Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	93	0.00
2	T	Dichlorodifluoromethane	0.487	0.518	-6.4	95	0.00
3	P	Chloromethane	0.395	0.397	-0.5	94	0.00
4	C	Vinyl Chloride	0.486	0.513	-5.6#	98	0.00
5	T	Bromomethane	0.443	0.436	1.6	101	0.00
6	T	Chloroethane	0.385	0.391	-1.6	95	0.00
7	T	Trichlorofluoromethane	0.843	0.866	-2.7	98	0.00
8	T	Diethyl Ether	0.269	0.289	-7.4	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.489	0.511	-4.5	99	0.00
10	T	Methyl Iodide	0.486	0.501	-3.1	88	0.00
11	T	Tert butyl alcohol	0.114	0.122	-7.0	99	0.01
12	CM	1,1-Dichloroethene	0.465	0.485	-4.3#	97	-0.01
13	T	Acrolein	0.079	0.085	-7.6	105	0.00
14	T	Allyl chloride	0.570	0.576	-1.1	95	0.00
15	T	Acrylonitrile	0.285	0.289	-1.4	97	0.00
16	T	Acetone	0.240	0.246	-2.5	101	0.00
17	T	Carbon Disulfide	1.395	1.360	2.5	96	0.00
18	T	Methyl Acetate	0.549	0.554	-0.9	95	0.00
19	T	Methyl tert-butyl Ether	1.629	1.677	-2.9	97	0.00
20	T	Methylene Chloride	0.531	0.524	1.3	96	0.00
21	T	trans-1,2-Dichloroethene	0.562	0.547	2.7	96	0.00
22	T	Diisopropyl ether	1.364	1.369	-0.4	95	0.00
23	T	Vinyl Acetate	1.262	1.293	-2.5	95	0.00
24	P	1,1-Dichloroethane	0.894	0.888	0.7	95	0.00
25	T	2-Butanone	0.375	0.385	-2.7	97	0.00
26	T	2,2-Dichloropropane	0.855	0.878	-2.7	99	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.659	-1.5	97	0.00
28	T	Bromochloromethane	0.395	0.392	0.8	91	0.00
29	T	Tetrahydrofuran	0.242	0.253	-4.5	97	0.00
30	C	Chloroform	0.991	0.987	0.4#	96	0.00
31	T	Cyclohexane	0.855	0.809	5.4	96	0.00
32	T	1,1,1-Trichloroethane	0.923	0.907	1.7	95	0.00
33	S	1,2-Dichloroethane-d4	0.628	0.615	2.1	97	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	93	0.00
35	S	Dibromofluoromethane	0.320	0.321	-0.3	97	0.00
36	T	1,1-Dichloropropene	0.435	0.437	-0.5	95	0.00
37	T	Ethyl Acetate	0.468	0.482	-3.0	96	0.00
38	T	Carbon Tetrachloride	0.493	0.509	-3.2	97	0.00
39	T	Methylcyclohexane	0.518	0.553	-6.8	100	0.00
40	TM	Benzene	1.349	1.349	0.0	95	0.00
41	T	Methacrylonitrile	0.224	0.226	-0.9	95	0.00
42	TM	1,2-Dichloroethane	0.449	0.450	-0.2	94	0.00
43	T	Isopropyl Acetate	0.726	0.744	-2.5	96	0.00
44	TM	Trichloroethene	0.358	0.362	-1.1	97	0.00
45	C	1,2-Dichloropropane	0.294	0.303	-3.1#	97	0.00
46	T	Dibromomethane	0.250	0.249	0.4	95	0.00
47	T	Bromodichloromethane	0.477	0.479	-0.4	96	0.00
48	T	Methyl methacrylate	0.306	0.321	-4.9	96	0.00

ICAL Form

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Data File : VN087246.D
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Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	94	0.00
50	S	Toluene-d8	1.248	1.268	-1.6	97	0.00
51	T	4-Methyl-2-Pentanone	0.444	0.479	-7.9	98	0.00
52	CM	Toluene	0.885	0.913	-3.2#	95	0.00
53	T	t-1,3-Dichloropropene	0.512	0.542	-5.9	98	0.00
54	T	cis-1,3-Dichloropropene	0.521	0.530	-1.7	95	0.00
55	T	1,1,2-Trichloroethane	0.334	0.340	-1.8	97	0.00
56	T	Ethyl methacrylate	0.490	0.506	-3.3	97	0.00
57	T	1,3-Dichloropropane	0.545	0.554	-1.7	98	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.272	-5.0	95	0.00
59	T	2-Hexanone	0.318	0.316	0.6	95	0.00
60	T	Dibromochloromethane	0.394	0.418	-6.1	98	0.00
61	T	1,2-Dibromoethane	0.359	0.374	-4.2	97	0.00
62	S	4-Bromofluorobenzene	0.444	0.459	-3.4	98	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	93	0.00
64	T	Tetrachloroethene	0.333	0.334	-0.3	96	0.00
65	PM	Chlorobenzene	1.122	1.113	0.8	96	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	94	0.00
67	C	Ethyl Benzene	1.815	1.873	-3.2#	96	0.00
68	T	m/p-Xylenes	0.725	0.765	-5.5	97	0.00
69	T	o-Xylene	0.679	0.720	-6.0	96	0.00
70	T	Styrene	1.153	1.249	-8.3	96	0.00
71	P	Bromoform	0.299	0.324	-8.4	98	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	93	0.00
73	T	Isopropylbenzene	3.222	3.241	-0.6	96	0.00
74	T	N-amyl acetate	1.059	1.058	0.1	120	0.00
75	P	1,1,2,2-Tetrachloroethane	1.060	1.017	4.1	95	0.00
76	T	1,2,3-Trichloropropane	0.951	0.864	9.1	95	0.00
77	T	Bromobenzene	0.841	0.845	-0.5	95	0.00
78	T	n-propylbenzene	3.892	3.937	-1.2	97	0.00
79	T	2-Chlorotoluene	2.316	2.303	0.6	96	0.00
80	T	1,3,5-Trimethylbenzene	2.693	2.767	-2.7	95	0.00
81	T	trans-1,4-Dichloro-2-butene	0.405	0.387	4.4	93	0.00
82	T	4-Chlorotoluene	2.424	2.407	0.7	96	0.00
83	T	tert-Butylbenzene	2.359	2.429	-3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	2.698	2.837	-5.2	95	0.00
85	T	sec-Butylbenzene	3.344	3.510	-5.0	97	0.00
86	T	p-Isopropyltoluene	2.875	3.063	-6.5	97	0.00
87	T	1,3-Dichlorobenzene	1.675	1.684	-0.5	97	0.00
88	T	1,4-Dichlorobenzene	1.749	1.695	3.1	97	0.00
89	T	n-Butylbenzene	2.531	2.683	-6.0	99	0.00
90	T	Hexachloroethane	0.532	0.533	-0.2	96	0.00
91	T	1,2-Dichlorobenzene	1.566	1.558	0.5	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.255	0.239	6.3	94	0.00
93	T	1,2,4-Trichlorobenzene	0.926	0.930	-0.4	97	0.00
94	T	Hexachlorobutadiene	0.294	0.284	3.4	97	0.00
95	T	Naphthalene	3.205	3.257	-1.6	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	0.902	0.912	-1.1	97	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\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
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ICVVN063025

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Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	93	0.00
2	T	Dichlorodifluoromethane	50.000	53.235	-6.5	95	0.00
3	P	Chloromethane	50.000	50.258	-0.5	94	0.00
4	C	Vinyl Chloride	50.000	52.806	-5.6#	98	0.00
5	T	Bromomethane	50.000	49.206	1.6	101	0.00
6	T	Chloroethane	50.000	50.801	-1.6	95	0.00
7	T	Trichlorofluoromethane	50.000	51.359	-2.7	98	0.00
8	T	Diethyl Ether	50.000	53.688	-7.4	98	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.246	-4.5	99	0.00
10	T	Methyl Iodide	50.000	51.540	-3.1	88	0.00
11	T	Tert butyl alcohol	250.000	267.372	-6.9	99	0.01
12	CM	1,1-Dichloroethene	50.000	52.106	-4.2#	97	-0.01
13	T	Acrolein	250.000	269.103	-7.6	105	0.00
14	T	Allyl chloride	50.000	50.533	-1.1	95	0.00
15	T	Acrylonitrile	250.000	254.241	-1.7	97	0.00
16	T	Acetone	250.000	256.503	-2.6	101	0.00
17	T	Carbon Disulfide	50.000	48.731	2.5	96	0.00
18	T	Methyl Acetate	50.000	50.425	-0.8	95	0.00
19	T	Methyl tert-butyl Ether	50.000	51.460	-2.9	97	0.00
20	T	Methylene Chloride	50.000	49.273	1.5	96	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.665	2.7	96	0.00
22	T	Diisopropyl ether	50.000	50.186	-0.4	95	0.00
23	T	Vinyl Acetate	250.000	256.282	-2.5	95	0.00
24	P	1,1-Dichloroethane	50.000	49.658	0.7	95	0.00
25	T	2-Butanone	250.000	256.388	-2.6	97	0.00
26	T	2,2-Dichloropropane	50.000	51.352	-2.7	99	0.00
27	T	cis-1,2-Dichloroethene	50.000	50.768	-1.5	97	0.00
28	T	Bromochloromethane	50.000	49.709	0.6	91	0.00
29	T	Tetrahydrofuran	250.000	262.060	-4.8	97	0.00
30	C	Chloroform	50.000	49.820	0.4#	96	0.00
31	T	Cyclohexane	50.000	47.329	5.3	96	0.00
32	T	1,1,1-Trichloroethane	50.000	49.152	1.7	95	0.00
33	S	1,2-Dichloroethane-d4	50.000	49.030	1.9	97	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	93	0.00
35	S	Dibromofluoromethane	50.000	50.141	-0.3	97	0.00
36	T	1,1-Dichloropropene	50.000	50.146	-0.3	95	0.00
37	T	Ethyl Acetate	50.000	51.473	-2.9	96	0.00
38	T	Carbon Tetrachloride	50.000	51.567	-3.1	97	0.00
39	T	Methylcyclohexane	50.000	53.341	-6.7	100	0.00
40	TM	Benzene	50.000	50.011	-0.0	95	0.00
41	T	Methacrylonitrile	50.000	50.594	-1.2	95	0.00
42	TM	1,2-Dichloroethane	50.000	50.149	-0.3	94	0.00
43	T	Isopropyl Acetate	50.000	51.236	-2.5	96	0.00
44	TM	Trichloroethene	50.000	50.563	-1.1	97	0.00
45	C	1,2-Dichloropropane	50.000	51.463	-2.9#	97	0.00
46	T	Dibromomethane	50.000	49.678	0.6	95	0.00
47	T	Bromodichloromethane	50.000	50.232	-0.5	96	0.00
48	T	Methyl methacrylate	50.000	52.512	-5.0	96	0.00

ICAL Form

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Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	1032.664	-3.3	94	0.00
50	S	Toluene-d8	50.000	50.789	-1.6	97	0.00
51	T	4-Methyl-2-Pentanone	250.000	269.680	-7.9	98	0.00
52	CM	Toluene	50.000	51.589	-3.2#	95	0.00
53	T	t-1,3-Dichloropropene	50.000	52.982	-6.0	98	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.812	-1.6	95	0.00
55	T	1,1,2-Trichloroethane	50.000	50.851	-1.7	97	0.00
56	T	Ethyl methacrylate	50.000	51.658	-3.3	97	0.00
57	T	1,3-Dichloropropane	50.000	50.815	-1.6	98	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	263.018	-5.2	95	0.00
59	T	2-Hexanone	250.000	253.382	-1.4	95	0.00
60	T	Dibromochloromethane	50.000	53.046	-6.1	98	0.00
61	T	1,2-Dibromoethane	50.000	51.999	-4.0	97	0.00
62	S	4-Bromofluorobenzene	50.000	51.679	-3.4	98	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	93	0.00
64	T	Tetrachloroethene	50.000	50.098	-0.2	96	0.00
65	PM	Chlorobenzene	50.000	49.582	0.8	96	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.725	0.5	94	0.00
67	C	Ethyl Benzene	50.000	51.579	-3.2#	96	0.00
68	T	m/p-Xylenes	100.000	105.513	-5.5	97	0.00
69	T	o-Xylene	50.000	53.073	-6.1	96	0.00
70	T	Styrene	50.000	54.169	-8.3	96	0.00
71	P	Bromoform	50.000	54.169	-8.3	98	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	93	0.00
73	T	Isopropylbenzene	50.000	50.292	-0.6	96	0.00
74	T	N-amyl acetate	50.000	48.559	2.9	120	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	48.006	4.0	95	0.00
76	T	1,2,3-Trichloropropane	50.000	45.039	9.9	95	0.00
77	T	Bromobenzene	50.000	50.263	-0.5	95	0.00
78	T	n-propylbenzene	50.000	50.589	-1.2	97	0.00
79	T	2-Chlorotoluene	50.000	49.720	0.6	96	0.00
80	T	1,3,5-Trimethylbenzene	50.000	51.376	-2.8	95	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	47.817	4.4	93	0.00
82	T	4-Chlorotoluene	50.000	49.642	0.7	96	0.00
83	T	tert-Butylbenzene	50.000	51.480	-3.0	98	0.00
84	T	1,2,4-Trimethylbenzene	50.000	52.593	-5.2	95	0.00
85	T	sec-Butylbenzene	50.000	52.476	-5.0	97	0.00
86	T	p-Isopropyltoluene	50.000	53.272	-6.5	97	0.00
87	T	1,3-Dichlorobenzene	50.000	50.286	-0.6	97	0.00
88	T	1,4-Dichlorobenzene	50.000	48.460	3.1	97	0.00
89	T	n-Butylbenzene	50.000	52.999	-6.0	99	0.00
90	T	Hexachloroethane	50.000	50.106	-0.2	96	0.00
91	T	1,2-Dichlorobenzene	50.000	49.738	0.5	96	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	46.905	6.2	94	0.00
93	T	1,2,4-Trichlorobenzene	50.000	50.219	-0.4	97	0.00
94	T	Hexachlorobutadiene	50.000	48.236	3.5	97	0.00
95	T	Naphthalene	50.000	50.821	-1.6	96	0.00

ICAL Form

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087246.D
Acq On : 30 Jun 2025 16:37
Operator : JC\MD
Sample : VSTDICV050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
ICVVN063025

Quant Time: Jul 01 02:56:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 02:39:52 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	50.556	-1.1	97	0.00

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

Raw Data: **VN087260.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: WALS01

Lab Code: ACE SDG No.: Q2487

Instrument ID: MSVOA_N Calibration Date/Time: 07/03/2025 10:50

Lab File ID: VN087260.D Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:28 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.486	0.486		0	20
1,1-Dichloroethene	0.465	0.468		0.64	20
2-Butanone	0.375	0.363		-3.2	20
Carbon Tetrachloride	0.493	0.514		4.26	20
Chloroform	0.991	0.987		-0.4	20
Benzene	1.349	1.318		-2.3	20
1,2-Dichloroethane	0.449	0.443		-1.34	20
Trichloroethene	0.358	0.351		-1.96	20
Tetrachloroethene	0.333	0.341		2.4	20
Chlorobenzene	1.122	1.112	0.3	-0.89	20
1,2-Dichloroethane-d4	0.628	0.590		-6.05	20
Dibromofluoromethane	0.320	0.309		-3.44	20
Toluene-d8	1.248	1.169		-6.33	20
4-Bromofluorobenzene	0.444	0.419		-5.63	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\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.229	168	241822	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	395302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	360882	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	212674	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	142673	47.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.020%			
35) Dibromofluoromethane	8.177	113	122291	48.314	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.620%			
50) Toluene-d8	10.565	98	462244	46.853	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.700%			
62) 4-Bromofluorobenzene	12.847	95	165497	47.145	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	123823	52.616	ug/l	99
3) Chloromethane	2.395	50	94768	49.592	ug/l	99
4) Vinyl Chloride	2.553	62	117593	50.053	ug/l	97
5) Bromomethane	2.983	94	93525	43.624	ug/l	96
6) Chloroethane	3.153	64	90597	48.684	ug/l	94
7) Trichlorofluoromethane	3.530	101	205322	50.365	ug/l	100
8) Diethyl Ether	3.983	74	66504	51.118	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	123977	52.380	ug/l	98
10) Methyl Iodide	4.612	142	119835	51.024	ug/l	97
11) Tert butyl alcohol	5.536	59	122630	221.703	ug/l	99
12) 1,1-Dichloroethene	4.365	96	113248	50.364	ug/l	95
13) Acrolein	4.200	56	145578	379.997	ug/l	97
14) Allyl chloride	5.047	41	135483	49.163	ug/l	97
15) Acrylonitrile	5.736	53	325410	236.310	ug/l	100
16) Acetone	4.441	43	296014	255.112	ug/l	99
17) Carbon Disulfide	4.741	76	322314	47.776	ug/l	97
18) Methyl Acetate	5.041	43	130970	49.305	ug/l	100
19) Methyl tert-butyl Ether	5.818	73	388865	49.344	ug/l	97
20) Methylene Chloride	5.300	84	126043	49.036	ug/l	97
21) trans-1,2-Dichloroethene	5.800	96	130947	48.194	ug/l	96
22) Diisopropyl ether	6.683	45	322358	48.857	ug/l	98
23) Vinyl Acetate	6.618	43	1478093	242.229	ug/l	100
24) 1,1-Dichloroethane	6.583	63	214333	49.580	ug/l	97
25) 2-Butanone	7.488	43	439111	242.160	ug/l	99
26) 2,2-Dichloropropane	7.500	77	208056	50.295	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	154178	49.135	ug/l	99
28) Bromochloromethane	7.824	49	99570	52.182	ug/l	98
29) Tetrahydrofuran	7.847	42	282403	241.682	ug/l	99
30) Chloroform	7.971	83	238702	49.817	ug/l	94
31) Cyclohexane	8.265	56	189075	45.744	ug/l	95
32) 1,1,1-Trichloroethane	8.177	97	220212	49.349	ug/l	99
36) 1,1-Dichloropropene	8.377	75	169674	49.294	ug/l	99
37) Ethyl Acetate	7.571	43	172482	46.614	ug/l	100
38) Carbon Tetrachloride	8.371	117	203353	52.138	ug/l	98
39) Methylcyclohexane	9.606	83	201915	49.258	ug/l	97
40) Benzene	8.612	78	521090	48.865	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.782	41	84782	47.922	ug/l		98
42) 1,2-Dichloroethane	8.677	62	175243	49.415	ug/l		98
43) Isopropyl Acetate	8.688	43	275035	47.930	ug/l		99
44) Trichloroethene	9.353	130	138560	48.899	ug/l		96
45) 1,2-Dichloropropane	9.624	63	119125	51.235	ug/l		97
46) Dibromomethane	9.712	93	97742	49.415	ug/l		99
47) Bromodichloromethane	9.888	83	187813	49.786	ug/l		99
48) Methyl methacrylate	9.682	41	119521	49.420	ug/l		98
49) 1,4-Dioxane	9.700	88	47141	936.934	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.447	43	875395	249.333	ug/l		99
52) Toluene	10.629	92	349465	49.969	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	199122	49.213	ug/l		99
54) cis-1,3-Dichloropropene	10.312	75	210099	50.965	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	128319	48.570	ug/l		97
56) Ethyl methacrylate	10.876	69	186190	48.103	ug/l		100
57) 1,3-Dichloropropane	11.165	76	215165	49.900	ug/l		96
58) 2-Chloroethyl Vinyl ether	10.159	63	476888	233.120	ug/l		99
59) 2-Hexanone	11.200	43	573527	228.051	ug/l		100
60) Dibromochloromethane	11.359	129	157653	50.622	ug/l		99
61) 1,2-Dibromoethane	11.470	107	141549	49.809	ug/l		99
64) Tetrachloroethene	11.106	164	123143	51.178	ug/l		98
65) Chlorobenzene	11.888	112	401268	49.554	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	141392	50.568	ug/l		99
67) Ethyl Benzene	11.965	91	661854	50.511	ug/l		98
68) m/p-Xylenes	12.070	106	557539	106.499	ug/l		97
69) o-Xylene	12.394	106	260984	53.293	ug/l		96
70) Styrene	12.412	104	449395	53.997	ug/l		100
71) Bromoform	12.576	173	114135	52.910	ug/l	#	99
73) Isopropylbenzene	12.694	105	658568	48.059	ug/l		100
74) N-amyl acetate	12.517	43	161131	35.756	ug/l		93
75) 1,1,2,2-Tetrachloroethane	12.935	83	201266	44.652	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	174117m	43.043	ug/l		
77) Bromobenzene	12.976	156	171256	47.875	ug/l		97
78) n-propylbenzene	13.035	91	802210	48.464	ug/l		100
79) 2-Chlorotoluene	13.123	91	465158	47.218	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	568409	49.625	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	73821	42.865	ug/l		91
82) 4-Chlorotoluene	13.217	91	488403	47.361	ug/l		99
83) tert-Butylbenzene	13.435	119	487399	48.569	ug/l		99
84) 1,2,4-Trimethylbenzene	13.476	105	582698	50.784	ug/l		99
85) sec-Butylbenzene	13.611	105	711265	50.002	ug/l		100
86) p-Isopropyltoluene	13.729	119	621707	50.847	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	356334	50.020	ug/l		98
88) 1,4-Dichlorobenzene	13.811	146	351068	47.197	ug/l		100
89) n-Butylbenzene	14.053	91	523583	48.636	ug/l		99
90) Hexachloroethane	14.329	117	106516	47.064	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	326000	48.931	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	46431	42.864	ug/l		98
93) 1,2,4-Trichlorobenzene	15.388	180	180085	45.709	ug/l		98
94) Hexachlorobutadiene	15.494	225	51708	41.316	ug/l		97
95) Naphthalene	15.635	128	619507	45.449	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	178567	46.522	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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

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

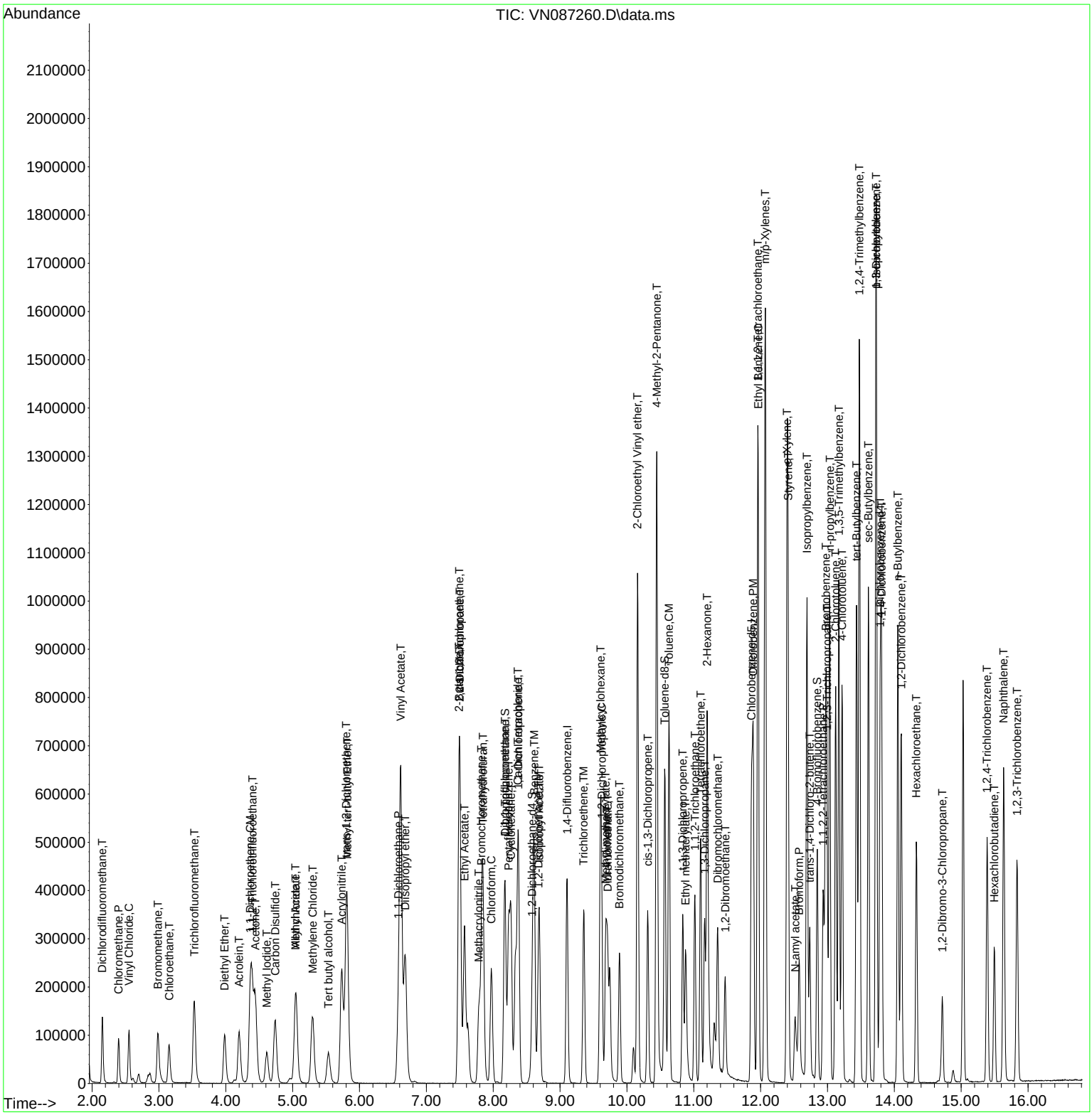
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



Sample Results: **VN087260.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	177#	0.00
2	T	Dichlorodifluoromethane	0.487	0.512	-5.1	178#	0.00
3	P	Chloromethane	0.395	0.392	0.8	176#	0.00
4	C	Vinyl Chloride	0.486	0.486	0.0	176#	0.00
5	T	Bromomethane	0.443	0.387	12.6	170#	0.00
6	T	Chloroethane	0.385	0.375	2.6	173#	0.00
7	T	Trichlorofluoromethane	0.843	0.849	-0.7	183#	0.00
8	T	Diethyl Ether	0.269	0.275	-2.2	177#	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.489	0.513	-4.9	189#	0.00
10	T	Methyl Iodide	0.486	0.496	-2.1	166#	0.00
11	T	Tert butyl alcohol	0.114	0.101	11.4	155#	0.00
12	CM	1,1-Dichloroethene	0.465	0.468	-0.6#	178#	0.00
13	T	Acrolein	0.079	0.120	-51.9#	281#	0.00
14	T	Allyl chloride	0.570	0.560	1.8	175#	0.00
15	T	Acrylonitrile	0.285	0.269	5.6	172#	0.00
16	T	Acetone	0.240	0.245	-2.1	191#	0.00
17	T	Carbon Disulfide	1.395	1.333	4.4	178#	0.00
18	T	Methyl Acetate	0.549	0.542	1.3	177#	0.00
19	T	Methyl tert-butyl Ether	1.629	1.608	1.3	177#	0.00
20	T	Methylene Chloride	0.531	0.521	1.9	182#	0.00
21	T	trans-1,2-Dichloroethene	0.562	0.542	3.6	180#	0.00
22	T	Diisopropyl ether	1.364	1.333	2.3	175#	0.00
23	T	Vinyl Acetate	1.262	1.222	3.2	170#	0.00
24	P	1,1-Dichloroethane	0.894	0.886	0.9	179#	0.00
25	T	2-Butanone	0.375	0.363	3.2	173#	0.00
26	T	2,2-Dichloropropane	0.855	0.860	-0.6	184#	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.638	1.7	178#	0.00
28	T	Bromochloromethane	0.395	0.412	-4.3	181#	0.00
29	T	Tetrahydrofuran	0.242	0.234	3.3	170#	0.00
30	C	Chloroform	0.991	0.987	0.4#	182#	0.00
31	T	Cyclohexane	0.855	0.782	8.5	176#	0.00
32	T	1,1,1-Trichloroethane	0.923	0.911	1.3	181#	0.00
33	S	1,2-Dichloroethane-d4	0.628	0.590	6.1	176#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	177#	0.00
35	S	Dibromofluoromethane	0.320	0.309	3.4	178#	0.00
36	T	1,1-Dichloropropene	0.435	0.429	1.4	178#	0.00
37	T	Ethyl Acetate	0.468	0.436	6.8	166#	0.00
38	T	Carbon Tetrachloride	0.493	0.514	-4.3	187#	0.00
39	T	Methylcyclohexane	0.518	0.511	1.4	175#	0.00
40	TM	Benzene	1.349	1.318	2.3	178#	0.00
41	T	Methacrylonitrile	0.224	0.214	4.5	171#	0.00
42	TM	1,2-Dichloroethane	0.449	0.443	1.3	177#	0.00
43	T	Isopropyl Acetate	0.726	0.696	4.1	171#	0.00
44	TM	Trichloroethene	0.358	0.351	2.0	179#	0.00
45	C	1,2-Dichloropropane	0.294	0.301	-2.4#	184#	0.00
46	T	Dibromomethane	0.250	0.247	1.2	181#	0.00
47	T	Bromodichloromethane	0.477	0.475	0.4	181#	0.00
48	T	Methyl methacrylate	0.306	0.302	1.3	173#	0.00

Sample Results: **VN087260.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	0.006	0.0	163#	0.00
50	S	Toluene-d8	1.248	1.169	6.3	171#	0.00
51	T	4-Methyl-2-Pentanone	0.444	0.443	0.2	172#	0.00
52	CM	Toluene	0.885	0.884	0.1#	176#	0.00
53	T	t-1,3-Dichloropropene	0.512	0.504	1.6	173#	0.00
54	T	cis-1,3-Dichloropropene	0.521	0.531	-1.9	181#	0.00
55	T	1,1,2-Trichloroethane	0.334	0.325	2.7	177#	0.00
56	T	Ethyl methacrylate	0.490	0.471	3.9	171#	0.00
57	T	1,3-Dichloropropane	0.545	0.544	0.2	183#	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.241	6.9	160#	0.00
59	T	2-Hexanone	0.318	0.290	8.8	167#	0.00
60	T	Dibromochloromethane	0.394	0.399	-1.3	179#	0.00
61	T	1,2-Dibromoethane	0.359	0.358	0.3	177#	0.00
62	S	4-Bromofluorobenzene	0.444	0.419	5.6	171#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	171#	0.00
64	T	Tetrachloroethene	0.333	0.341	-2.4	181#	0.00
65	PM	Chlorobenzene	1.122	1.112	0.9	178#	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.392	-1.3	177#	0.00
67	C	Ethyl Benzene	1.815	1.834	-1.0#	174#	0.00
68	T	m/p-Xylenes	0.725	0.772	-6.5	180#	0.00
69	T	o-Xylene	0.679	0.723	-6.5	178#	0.00
70	T	Styrene	1.153	1.245	-8.0	177#	0.00
71	P	Bromoform	0.299	0.316	-5.7	176#	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	179#	0.00
73	T	Isopropylbenzene	3.222	3.097	3.9	176#	0.00
74	T	N-amyl acetate	1.059	0.758	28.4#	164#	0.00
75	P	1,1,2,2-Tetrachloroethane	1.060	0.946	10.8	170#	0.00
76	T	1,2,3-Trichloropropane	0.951	0.819	13.9	172#	0.00
77	T	Bromobenzene	0.841	0.805	4.3	174#	0.00
78	T	n-propylbenzene	3.892	3.772	3.1	178#	0.00
79	T	2-Chlorotoluene	2.316	2.187	5.6	175#	0.00
80	T	1,3,5-Trimethylbenzene	2.693	2.673	0.7	176#	0.00
81	T	trans-1,4-Dichloro-2-butene	0.405	0.347	14.3	159#	0.00
82	T	4-Chlorotoluene	2.424	2.296	5.3	176#	0.00
83	T	tert-Butylbenzene	2.359	2.292	2.8	177#	0.00
84	T	1,2,4-Trimethylbenzene	2.698	2.740	-1.6	176#	0.00
85	T	sec-Butylbenzene	3.344	3.344	0.0	178#	0.00
86	T	p-Isopropyltoluene	2.875	2.923	-1.7	178#	0.00
87	T	1,3-Dichlorobenzene	1.675	1.675	0.0	186#	0.00
88	T	1,4-Dichlorobenzene	1.749	1.651	5.6	182#	0.00
89	T	n-Butylbenzene	2.531	2.462	2.7	174#	0.00
90	T	Hexachloroethane	0.532	0.501	5.8	174#	0.00
91	T	1,2-Dichlorobenzene	1.566	1.533	2.1	182#	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.255	0.218	14.5	165#	0.00
93	T	1,2,4-Trichlorobenzene	0.926	0.847	8.5	170#	0.00
94	T	Hexachlorobutadiene	0.294	0.243	17.3	159#	0.00
95	T	Naphthalene	3.205	2.913	9.1	165#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	0.902	0.840	6.9	172#	0.00

(#) = Out of Range SPCC's out = 0 CCC's out = 5

Evaluate Continuing Calibration Report

Sample Results: **VN087260.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	177	0.00
2	T	Dichlorodifluoromethane	50.000	52.616	-5.2	178	0.00
3	P	Chloromethane	50.000	49.592	0.8	176	0.00
4	C	Vinyl Chloride	50.000	50.053	-0.1#	176	0.00
5	T	Bromomethane	50.000	43.624	12.8	170	0.00
6	T	Chloroethane	50.000	48.684	2.6	173	0.00
7	T	Trichlorofluoromethane	50.000	50.365	-0.7	183	0.00
8	T	Diethyl Ether	50.000	51.118	-2.2	177	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	52.380	-4.8	189	0.00
10	T	Methyl Iodide	50.000	51.024	-2.0	166	0.00
11	T	Tert butyl alcohol	250.000	221.703	11.3	155	0.00
12	CM	1,1-Dichloroethene	50.000	50.364	-0.7#	178	0.00
13	T	Acrolein	250.000	379.997	-52.0#	281	0.00
14	T	Allyl chloride	50.000	49.163	1.7	175	0.00
15	T	Acrylonitrile	250.000	236.310	5.5	172	0.00
16	T	Acetone	250.000	255.112	-2.0	191	0.00
17	T	Carbon Disulfide	50.000	47.776	4.4	178	0.00
18	T	Methyl Acetate	50.000	49.305	1.4	177	0.00
19	T	Methyl tert-butyl Ether	50.000	49.344	1.3	177	0.00
20	T	Methylene Chloride	50.000	49.036	1.9	182	0.00
21	T	trans-1,2-Dichloroethene	50.000	48.194	3.6	180	0.00
22	T	Diisopropyl ether	50.000	48.857	2.3	175	0.00
23	T	Vinyl Acetate	250.000	242.229	3.1	170	0.00
24	P	1,1-Dichloroethane	50.000	49.580	0.8	179	0.00
25	T	2-Butanone	250.000	242.160	3.1	173	0.00
26	T	2,2-Dichloropropane	50.000	50.295	-0.6	184	0.00
27	T	cis-1,2-Dichloroethene	50.000	49.135	1.7	178	0.00
28	T	Bromochloromethane	50.000	52.182	-4.4	181	0.00
29	T	Tetrahydrofuran	250.000	241.682	3.3	170	0.00
30	C	Chloroform	50.000	49.817	0.4#	182	0.00
31	T	Cyclohexane	50.000	45.744	8.5	176	0.00
32	T	1,1,1-Trichloroethane	50.000	49.349	1.3	181	0.00
33	S	1,2-Dichloroethane-d4	50.000	47.009	6.0	176	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	177	0.00
35	S	Dibromofluoromethane	50.000	48.314	3.4	178	0.00
36	T	1,1-Dichloropropene	50.000	49.294	1.4	178	0.00
37	T	Ethyl Acetate	50.000	46.614	6.8	166	0.00
38	T	Carbon Tetrachloride	50.000	52.138	-4.3	187	0.00
39	T	Methylcyclohexane	50.000	49.258	1.5	175	0.00
40	TM	Benzene	50.000	48.865	2.3	178	0.00
41	T	Methacrylonitrile	50.000	47.922	4.2	171	0.00
42	TM	1,2-Dichloroethane	50.000	49.415	1.2	177	0.00
43	T	Isopropyl Acetate	50.000	47.930	4.1	171	0.00
44	TM	Trichloroethene	50.000	48.899	2.2	179	0.00
45	C	1,2-Dichloropropane	50.000	51.235	-2.5#	184	0.00
46	T	Dibromomethane	50.000	49.415	1.2	181	0.00
47	T	Bromodichloromethane	50.000	49.786	0.4	181	0.00
48	T	Methyl methacrylate	50.000	49.420	1.2	173	0.00

Sample Results: **VN087260.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	936.934	6.3	163	0.00
50	S	Toluene-d8	50.000	46.853	6.3	171	0.00
51	T	4-Methyl-2-Pentanone	250.000	249.333	0.3	172	0.00
52	CM	Toluene	50.000	49.969	0.1#	176	0.00
53	T	t-1,3-Dichloropropene	50.000	49.213	1.6	173	0.00
54	T	cis-1,3-Dichloropropene	50.000	50.965	-1.9	181	0.00
55	T	1,1,2-Trichloroethane	50.000	48.570	2.9	177	0.00
56	T	Ethyl methacrylate	50.000	48.103	3.8	171	0.00
57	T	1,3-Dichloropropane	50.000	49.900	0.2	183	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	233.120	6.8	160	0.00
59	T	2-Hexanone	250.000	228.051	8.8	167	0.00
60	T	Dibromochloromethane	50.000	50.622	-1.2	179	0.00
61	T	1,2-Dibromoethane	50.000	49.809	0.4	177	0.00
62	S	4-Bromofluorobenzene	50.000	47.145	5.7	171	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	171	0.00
64	T	Tetrachloroethene	50.000	51.178	-2.4	181	0.00
65	PM	Chlorobenzene	50.000	49.554	0.9	178	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	50.568	-1.1	177	0.00
67	C	Ethyl Benzene	50.000	50.511	-1.0#	174	0.00
68	T	m/p-Xylenes	100.000	106.499	-6.5	180	0.00
69	T	o-Xylene	50.000	53.293	-6.6	178	0.00
70	T	Styrene	50.000	53.997	-8.0	177	0.00
71	P	Bromoform	50.000	52.910	-5.8	176	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	179	0.00
73	T	Isopropylbenzene	50.000	48.059	3.9	176	0.00
74	T	N-amyl acetate	50.000	35.756	28.5#	164	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	44.652	10.7	170	0.00
76	T	1,2,3-Trichloropropane	50.000	43.043	13.9	172	0.00
77	T	Bromobenzene	50.000	47.875	4.3	174	0.00
78	T	n-propylbenzene	50.000	48.464	3.1	178	0.00
79	T	2-Chlorotoluene	50.000	47.218	5.6	175	0.00
80	T	1,3,5-Trimethylbenzene	50.000	49.625	0.8	176	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	42.865	14.3	159	0.00
82	T	4-Chlorotoluene	50.000	47.361	5.3	176	0.00
83	T	tert-Butylbenzene	50.000	48.569	2.9	177	0.00
84	T	1,2,4-Trimethylbenzene	50.000	50.784	-1.6	176	0.00
85	T	sec-Butylbenzene	50.000	50.002	-0.0	178	0.00
86	T	p-Isopropyltoluene	50.000	50.847	-1.7	178	0.00
87	T	1,3-Dichlorobenzene	50.000	50.020	-0.0	186	0.00
88	T	1,4-Dichlorobenzene	50.000	47.197	5.6	182	0.00
89	T	n-Butylbenzene	50.000	48.636	2.7	174	0.00
90	T	Hexachloroethane	50.000	47.064	5.9	174	0.00
91	T	1,2-Dichlorobenzene	50.000	48.931	2.1	182	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	42.864	14.3	165	0.00
93	T	1,2,4-Trichlorobenzene	50.000	45.709	8.6	170	0.00
94	T	Hexachlorobutadiene	50.000	41.316	17.4	159	0.00
95	T	Naphthalene	50.000	45.449	9.1	165	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087260.D
Acq On : 03 Jul 2025 10:50
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 04 01:26:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	46.522	7.0	172	0.00

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

Raw Data: **VN087282.D**

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: WALS01

Lab Code: ACE | SDG No.: Q2487

Instrument ID: MSVOA_N | Calibration Date/Time: 07/07/2025 09:48

Lab File ID: VN087282.D | Init. Calib. Date(s): 06/30/2025 06/30/2025

Heated Purge: (Y/N) N | Init. Calib. Time(s): 12:28 14:51

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.486	0.456		-6.17	20
1,1-Dichloroethene	0.465	0.431		-7.31	20
2-Butanone	0.375	0.330		-12	20
Carbon Tetrachloride	0.493	0.490		-0.61	20
Chloroform	0.991	0.884		-10.8	20
Benzene	1.349	1.219		-9.64	20
1,2-Dichloroethane	0.449	0.424		-5.57	20
Trichloroethene	0.358	0.352		-1.68	20
Tetrachloroethene	0.333	0.330		-0.9	20
Chlorobenzene	1.122	1.072	0.3	-4.46	20
1,2-Dichloroethane-d4	0.628	0.559		-10.99	20
Dibromofluoromethane	0.320	0.319		-0.31	20
Toluene-d8	1.248	1.210		-3.05	20
4-Bromofluorobenzene	0.444	0.431		-2.93	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\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	253960	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	391455	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371947	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	217810	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	141986	44.547	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 89.100%			
35) Dibromofluoromethane	8.177	113	124726	49.761	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.520%			
50) Toluene-d8	10.565	98	473749	48.491	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.980%			
62) 4-Bromofluorobenzene	12.847	95	168668	48.521	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	120016	48.561	ug/l	97
3) Chloromethane	2.395	50	89133	44.414	ug/l	93
4) Vinyl Chloride	2.554	62	115792	46.931	ug/l	97
5) Bromomethane	2.983	94	102927	45.715	ug/l	99
6) Chloroethane	3.148	64	86405	44.212	ug/l	96
7) Trichlorofluoromethane	3.530	101	204251	47.707	ug/l	99
8) Diethyl Ether	3.989	74	64685	47.343	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.401	101	118254	47.574	ug/l	99
10) Methyl Iodide	4.612	142	144037	58.398	ug/l	99
11) Tert butyl alcohol	5.530	59	123273	212.213	ug/l	99
12) 1,1-Dichloroethene	4.371	96	109348	46.306	ug/l	93
13) Acrolein	4.201	56	130294	323.846	ug/l	97
14) Allyl chloride	5.042	41	123989	42.842	ug/l	95
15) Acrylonitrile	5.736	53	298388	206.331	ug/l	100
16) Acetone	4.442	43	339816	278.864	ug/l	97
17) Carbon Disulfide	4.742	76	297996	42.060	ug/l	100
18) Methyl Acetate	5.048	43	123771	44.368	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	364538	44.047	ug/l	95
20) Methylene Chloride	5.300	84	116286	43.078	ug/l	99
21) trans-1,2-Dichloroethene	5.806	96	122830	43.046	ug/l	96
22) Diisopropyl ether	6.689	45	286230	41.308	ug/l	95
23) Vinyl Acetate	6.618	43	1357384	211.816	ug/l	98
24) 1,1-Dichloroethane	6.589	63	196095	43.193	ug/l	98
25) 2-Butanone	7.489	43	419009	220.030	ug/l	94
26) 2,2-Dichloropropane	7.500	77	200200	46.083	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	150800	45.762	ug/l	97
28) Bromochloromethane	7.824	49	84507	42.171	ug/l	91
29) Tetrahydrofuran	7.847	42	258060	210.294	ug/l	98
30) Chloroform	7.977	83	224459	44.606	ug/l	96
31) Cyclohexane	8.265	56	171146	39.427	ug/l	92
32) 1,1,1-Trichloroethane	8.177	97	210339	44.883	ug/l	98
36) 1,1-Dichloropropene	8.377	75	156875	46.024	ug/l	96
37) Ethyl Acetate	7.565	43	159239	43.458	ug/l	99
38) Carbon Tetrachloride	8.365	117	191948	49.697	ug/l	97
39) Methylcyclohexane	9.600	83	188918	46.540	ug/l	98
40) Benzene	8.612	78	477085	45.178	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.783	41	75583	43.142 ug/l	96
42) 1,2-Dichloroethane	8.677	62	165960	47.257 ug/l	99
43) Isopropyl Acetate	8.694	43	252759	44.481 ug/l	99
44) Trichloroethene	9.353	130	137691	49.070 ug/l	97
45) 1,2-Dichloropropane	9.624	63	108224	47.004 ug/l	92
46) Dibromomethane	9.712	93	92733	47.344 ug/l	96
47) Bromodichloromethane	9.888	83	179033	47.925 ug/l	99
48) Methyl methacrylate	9.683	41	109389	45.675 ug/l	99
49) 1,4-Dioxane	9.700	88	44952	902.826 ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	814566	234.287 ug/l	99
52) Toluene	10.630	92	334997	48.371 ug/l	99
53) t-1,3-Dichloropropene	10.835	75	191431	47.777 ug/l	96
54) cis-1,3-Dichloropropene	10.312	75	195339	47.850 ug/l	97
55) 1,1,2-Trichloroethane	11.018	97	124162	47.459 ug/l	96
56) Ethyl methacrylate	10.877	69	170876	44.581 ug/l	98
57) 1,3-Dichloropropane	11.165	76	198733	46.542 ug/l	98
58) 2-Chloroethyl Vinyl ether	10.159	63	452295	223.271 ug/l	97
59) 2-Hexanone	11.200	43	553462	222.236 ug/l	99
60) Dibromochloromethane	11.359	129	157867	51.189 ug/l	99
61) 1,2-Dibromoethane	11.471	107	137085	48.712 ug/l	99
64) Tetrachloroethene	11.106	164	122707	49.479 ug/l	97
65) Chlorobenzene	11.888	112	398671	47.768 ug/l	98
66) 1,1,1,2-Tetrachloroethane	11.959	131	143237	49.704 ug/l	99
67) Ethyl Benzene	11.959	91	645331	47.785 ug/l	99
68) m/p-Xylenes	12.071	106	538895	99.875 ug/l	97
69) o-Xylene	12.394	106	251926	49.913 ug/l	96
70) Styrene	12.406	104	437928	51.053 ug/l	99
71) Bromoform	12.576	173	118793	53.431 ug/l #	99
73) Isopropylbenzene	12.694	105	647819	46.160 ug/l	100
74) N-amyl acetate	12.512	43	190961m	41.377 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	190764	41.324 ug/l	98
76) 1,2,3-Trichloropropane	12.994	75	186943m	45.124 ug/l	
77) Bromobenzene	12.976	156	176649	48.218 ug/l	93
78) n-propylbenzene	13.035	91	768377	45.325 ug/l	99
79) 2-Chlorotoluene	13.123	91	445398	44.146 ug/l	96
80) 1,3,5-Trimethylbenzene	13.171	105	554356	47.256 ug/l	99
81) trans-1,4-Dichloro-2-b...	12.735	75	80817	45.821 ug/l	100
82) 4-Chlorotoluene	13.218	91	467338	44.250 ug/l	97
83) tert-Butylbenzene	13.435	119	487092	47.393 ug/l	98
84) 1,2,4-Trimethylbenzene	13.482	105	571386	48.624 ug/l	98
85) sec-Butylbenzene	13.612	105	692340	47.524 ug/l	99
86) p-Isopropyltoluene	13.723	119	612719	48.930 ug/l	99
87) 1,3-Dichlorobenzene	13.729	146	349820	47.947 ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	350705	46.037 ug/l	98
89) n-Butylbenzene	14.053	91	509856	46.244 ug/l	98
90) Hexachloroethane	14.329	117	107702	46.466 ug/l	96
91) 1,2-Dichlorobenzene	14.106	146	327754	48.034 ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	44652	40.250 ug/l	93
93) 1,2,4-Trichlorobenzene	15.388	180	185946	46.084 ug/l	99
94) Hexachlorobutadiene	15.500	225	59234	46.213 ug/l	98
95) Naphthalene	15.635	128	623569	44.669 ug/l	100
96) 1,2,3-Trichlorobenzene	15.835	180	181940	46.283 ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

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

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

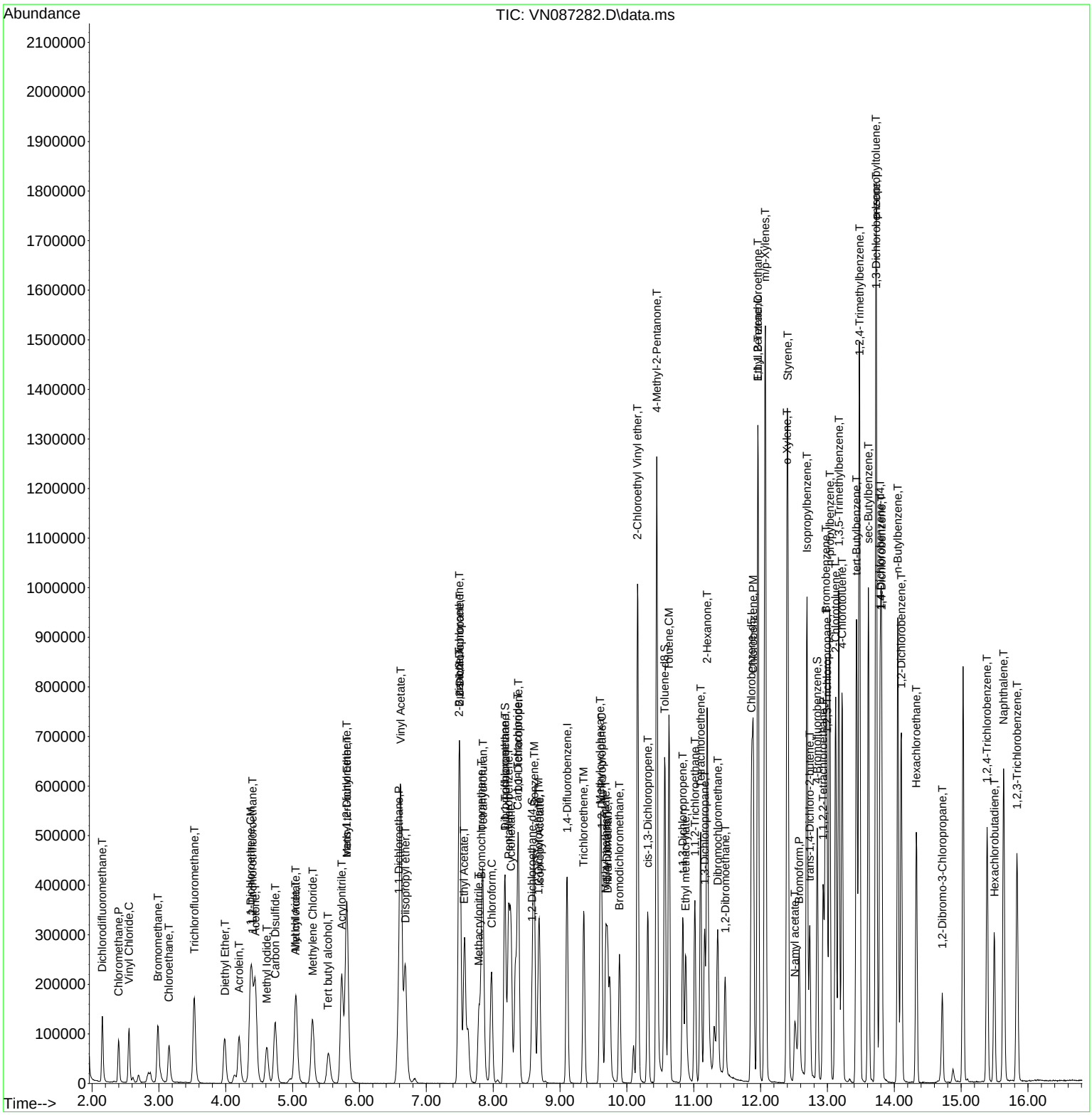
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VSTDCCC050

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



Sample Results: **VN087282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	185#	0.00
2	T	Dichlorodifluoromethane	0.487	0.473	2.9	173#	0.00
3	P	Chloromethane	0.395	0.351	11.1	166#	0.00
4	C	Vinyl Chloride	0.486	0.456	6.2#	173#	0.00
5	T	Bromomethane	0.443	0.405	8.6	187#	0.00
6	T	Chloroethane	0.385	0.340	11.7	165#	0.00
7	T	Trichlorofluoromethane	0.843	0.804	4.6	182#	0.00
8	T	Diethyl Ether	0.269	0.255	5.2	172#	0.00
9	T	1,1,2-Trichlorotrifluoroeth	0.489	0.466	4.7	180#	0.00
10	T	Methyl Iodide	0.486	0.567	-16.7	200#	0.00
11	T	Tert butyl alcohol	0.114	0.097	14.9	156#	0.00
12	CM	1,1-Dichloroethene	0.465	0.431	7.3#	172#	0.00
13	T	Acrolein	0.079	0.103	-30.4#	251#	0.00
14	T	Allyl chloride	0.570	0.488	14.4	160#	0.00
15	T	Acrylonitrile	0.285	0.235	17.5	158#	0.00
16	T	Acetone	0.240	0.268	-11.7	220#	0.00
17	T	Carbon Disulfide	1.395	1.173	15.9	165#	0.00
18	T	Methyl Acetate	0.549	0.487	11.3	167#	0.00
19	T	Methyl tert-butyl Ether	1.629	1.435	11.9	166#	0.00
20	T	Methylene Chloride	0.531	0.458	13.7	168#	0.00
21	T	trans-1,2-Dichloroethene	0.562	0.484	13.9	169#	0.00
22	T	Diisopropyl ether	1.364	1.127	17.4	155#	0.00
23	T	Vinyl Acetate	1.262	1.069	15.3	156#	0.00
24	P	1,1-Dichloroethane	0.894	0.772	13.6	164#	0.00
25	T	2-Butanone	0.375	0.330	12.0	165#	0.00
26	T	2,2-Dichloropropane	0.855	0.788	7.8	177#	0.00
27	T	cis-1,2-Dichloroethene	0.649	0.594	8.5	174#	0.00
28	T	Bromochloromethane	0.395	0.333	15.7	154#	0.00
29	T	Tetrahydrofuran	0.242	0.203	16.1	155#	0.00
30	C	Chloroform	0.991	0.884	10.8#	171#	0.00
31	T	Cyclohexane	0.855	0.674	21.2	160#	0.00
32	T	1,1,1-Trichloroethane	0.923	0.828	10.3	173#	0.00
33	S	1,2-Dichloroethane-d4	0.628	0.559	11.0	175#	0.00
34	I	1,4-Difluorobenzene	1.000	1.000	0.0	175#	0.00
35	S	Dibromofluoromethane	0.320	0.319	0.3	182#	0.00
36	T	1,1-Dichloropropene	0.435	0.401	7.8	165#	0.00
37	T	Ethyl Acetate	0.468	0.407	13.0	153#	0.00
38	T	Carbon Tetrachloride	0.493	0.490	0.6	177#	0.00
39	T	Methylcyclohexane	0.518	0.483	6.8	164#	0.00
40	TM	Benzene	1.349	1.219	9.6	163#	0.00
41	T	Methacrylonitrile	0.224	0.193	13.8	152#	0.00
42	TM	1,2-Dichloroethane	0.449	0.424	5.6	167#	0.00
43	T	Isopropyl Acetate	0.726	0.646	11.0	157#	0.00
44	TM	Trichloroethene	0.358	0.352	1.7	178#	0.00
45	C	1,2-Dichloropropane	0.294	0.276	6.1#	167#	0.00
46	T	Dibromomethane	0.250	0.237	5.2	172#	0.00
47	T	Bromodichloromethane	0.477	0.457	4.2	172#	0.00
48	T	Methyl methacrylate	0.306	0.279	8.8	158#	0.00

Sample Results: **VN087282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	0.006	0.0	155#	0.00
50	S	Toluene-d8	1.248	1.210	3.0	176#	0.00
51	T	4-Methyl-2-Pentanone	0.444	0.416	6.3	160#	0.00
52	CM	Toluene	0.885	0.856	3.3#	168#	0.00
53	T	t-1,3-Dichloropropene	0.512	0.489	4.5	167#	0.00
54	T	cis-1,3-Dichloropropene	0.521	0.499	4.2	168#	0.00
55	T	1,1,2-Trichloroethane	0.334	0.317	5.1	171#	0.00
56	T	Ethyl methacrylate	0.490	0.437	10.8	157#	0.00
57	T	1,3-Dichloropropane	0.545	0.508	6.8	169#	0.00
58	T	2-Chloroethyl Vinyl ether	0.259	0.231	10.8	152#	0.00
59	T	2-Hexanone	0.318	0.283	11.0	161#	0.00
60	T	Dibromochloromethane	0.394	0.403	-2.3	179#	0.00
61	T	1,2-Dibromoethane	0.359	0.350	2.5	171#	0.00
62	S	4-Bromofluorobenzene	0.444	0.431	2.9	175#	0.00
63	I	Chlorobenzene-d5	1.000	1.000	0.0	176#	0.00
64	T	Tetrachloroethene	0.333	0.330	0.9	180#	0.00
65	PM	Chlorobenzene	1.122	1.072	4.5	177#	0.00
66	T	1,1,1,2-Tetrachloroethane	0.387	0.385	0.5	180#	0.00
67	C	Ethyl Benzene	1.815	1.735	4.4#	170#	0.00
68	T	m/p-Xylenes	0.725	0.724	0.1	174#	0.00
69	T	o-Xylene	0.679	0.677	0.3	172#	0.00
70	T	Styrene	1.153	1.177	-2.1	173#	0.00
71	P	Bromoform	0.299	0.319	-6.7	183#	0.00
72	I	1,4-Dichlorobenzene-d4	1.000	1.000	0.0	183#	0.00
73	T	Isopropylbenzene	3.222	2.974	7.7	173#	0.00
74	T	N-amyl acetate	1.059	0.877	17.2	195#	0.00
75	P	1,1,2,2-Tetrachloroethane	1.060	0.876	17.4	162#	0.00
76	T	1,2,3-Trichloropropane	0.951	0.858	9.8	185#	0.00
77	T	Bromobenzene	0.841	0.811	3.6	180#	0.00
78	T	n-propylbenzene	3.892	3.528	9.4	170#	0.00
79	T	2-Chlorotoluene	2.316	2.045	11.7	167#	0.00
80	T	1,3,5-Trimethylbenzene	2.693	2.545	5.5	172#	0.00
81	T	trans-1,4-Dichloro-2-butene	0.405	0.371	8.4	174#	0.00
82	T	4-Chlorotoluene	2.424	2.146	11.5	169#	0.00
83	T	tert-Butylbenzene	2.359	2.236	5.2	176#	0.00
84	T	1,2,4-Trimethylbenzene	2.698	2.623	2.8	173#	0.00
85	T	sec-Butylbenzene	3.344	3.179	4.9	173#	0.00
86	T	p-Isopropyltoluene	2.875	2.813	2.2	175#	0.00
87	T	1,3-Dichlorobenzene	1.675	1.606	4.1	183#	0.00
88	T	1,4-Dichlorobenzene	1.749	1.610	7.9	182#	0.00
89	T	n-Butylbenzene	2.531	2.341	7.5	169#	0.00
90	T	Hexachloroethane	0.532	0.494	7.1	176#	0.00
91	T	1,2-Dichlorobenzene	1.566	1.505	3.9	183#	0.00
92	T	1,2-Dibromo-3-Chloropropane	0.255	0.205	19.6	158#	0.00
93	T	1,2,4-Trichlorobenzene	0.926	0.854	7.8	175#	0.00
94	T	Hexachlorobutadiene	0.294	0.272	7.5	183#	0.00
95	T	Naphthalene	3.205	2.863	10.7	166#	0.00

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	0.902	0.835	7.4	175#	0.00

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

Sample Results: **VN087282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	185	0.00
2	T	Dichlorodifluoromethane	50.000	48.561	2.9	173	0.00
3	P	Chloromethane	50.000	44.414	11.2	166	0.00
4	C	Vinyl Chloride	50.000	46.931	6.1#	173	0.00
5	T	Bromomethane	50.000	45.715	8.6	187	0.00
6	T	Chloroethane	50.000	44.212	11.6	165	0.00
7	T	Trichlorofluoromethane	50.000	47.707	4.6	182	0.00
8	T	Diethyl Ether	50.000	47.343	5.3	172	0.00
9	T	1,1,2-Trichlorotrifluoroeth	50.000	47.574	4.9	180	0.00
10	T	Methyl Iodide	50.000	58.398	-16.8	200	0.00
11	T	Tert butyl alcohol	250.000	212.213	15.1	156	0.00
12	CM	1,1-Dichloroethene	50.000	46.306	7.4#	172	0.00
13	T	Acrolein	250.000	323.846	-29.5#	251	0.00
14	T	Allyl chloride	50.000	42.842	14.3	160	0.00
15	T	Acrylonitrile	250.000	206.331	17.5	158	0.00
16	T	Acetone	250.000	278.864	-11.5	220	0.00
17	T	Carbon Disulfide	50.000	42.060	15.9	165	0.00
18	T	Methyl Acetate	50.000	44.368	11.3	167	0.00
19	T	Methyl tert-butyl Ether	50.000	44.047	11.9	166	0.00
20	T	Methylene Chloride	50.000	43.078	13.8	168	0.00
21	T	trans-1,2-Dichloroethene	50.000	43.046	13.9	169	0.00
22	T	Diisopropyl ether	50.000	41.308	17.4	155	0.00
23	T	Vinyl Acetate	250.000	211.816	15.3	156	0.00
24	P	1,1-Dichloroethane	50.000	43.193	13.6	164	0.00
25	T	2-Butanone	250.000	220.030	12.0	165	0.00
26	T	2,2-Dichloropropane	50.000	46.083	7.8	177	0.00
27	T	cis-1,2-Dichloroethene	50.000	45.762	8.5	174	0.00
28	T	Bromochloromethane	50.000	42.171	15.7	154	0.00
29	T	Tetrahydrofuran	250.000	210.294	15.9	155	0.00
30	C	Chloroform	50.000	44.606	10.8#	171	0.00
31	T	Cyclohexane	50.000	39.427	21.1	160	0.00
32	T	1,1,1-Trichloroethane	50.000	44.883	10.2	173	0.00
33	S	1,2-Dichloroethane-d4	50.000	44.547	10.9	175	0.00
34	I	1,4-Difluorobenzene	50.000	50.000	0.0	175	0.00
35	S	Dibromofluoromethane	50.000	49.761	0.5	182	0.00
36	T	1,1-Dichloropropene	50.000	46.024	8.0	165	0.00
37	T	Ethyl Acetate	50.000	43.458	13.1	153	0.00
38	T	Carbon Tetrachloride	50.000	49.697	0.6	177	0.00
39	T	Methylcyclohexane	50.000	46.540	6.9	164	0.00
40	TM	Benzene	50.000	45.178	9.6	163	0.00
41	T	Methacrylonitrile	50.000	43.142	13.7	152	0.00
42	TM	1,2-Dichloroethane	50.000	47.257	5.5	167	0.00
43	T	Isopropyl Acetate	50.000	44.481	11.0	157	0.00
44	TM	Trichloroethene	50.000	49.070	1.9	178	0.00
45	C	1,2-Dichloropropane	50.000	47.004	6.0#	167	0.00
46	T	Dibromomethane	50.000	47.344	5.3	172	0.00
47	T	Bromodichloromethane	50.000	47.925	4.2	172	0.00
48	T	Methyl methacrylate	50.000	45.675	8.7	158	0.00

Sample Results: **VN087282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	902.826	9.7	155	0.00
50	S	Toluene-d8	50.000	48.491	3.0	176	0.00
51	T	4-Methyl-2-Pentanone	250.000	234.287	6.3	160	0.00
52	CM	Toluene	50.000	48.371	3.3#	168	0.00
53	T	t-1,3-Dichloropropene	50.000	47.777	4.4	167	0.00
54	T	cis-1,3-Dichloropropene	50.000	47.850	4.3	168	0.00
55	T	1,1,2-Trichloroethane	50.000	47.459	5.1	171	0.00
56	T	Ethyl methacrylate	50.000	44.581	10.8	157	0.00
57	T	1,3-Dichloropropane	50.000	46.542	6.9	169	0.00
58	T	2-Chloroethyl Vinyl ether	250.000	223.271	10.7	152	0.00
59	T	2-Hexanone	250.000	222.236	11.1	161	0.00
60	T	Dibromochloromethane	50.000	51.189	-2.4	179	0.00
61	T	1,2-Dibromoethane	50.000	48.712	2.6	171	0.00
62	S	4-Bromofluorobenzene	50.000	48.521	3.0	175	0.00
63	I	Chlorobenzene-d5	50.000	50.000	0.0	176	0.00
64	T	Tetrachloroethene	50.000	49.479	1.0	180	0.00
65	PM	Chlorobenzene	50.000	47.768	4.5	177	0.00
66	T	1,1,1,2-Tetrachloroethane	50.000	49.704	0.6	180	0.00
67	C	Ethyl Benzene	50.000	47.785	4.4#	170	0.00
68	T	m/p-Xylenes	100.000	99.875	0.1	174	0.00
69	T	o-Xylene	50.000	49.913	0.2	172	0.00
70	T	Styrene	50.000	51.053	-2.1	173	0.00
71	P	Bromoform	50.000	53.431	-6.9	183	0.00
72	I	1,4-Dichlorobenzene-d4	50.000	50.000	0.0	183	0.00
73	T	Isopropylbenzene	50.000	46.160	7.7	173	0.00
74	T	N-amyl acetate	50.000	41.377	17.2	195	0.00
75	P	1,1,2,2-Tetrachloroethane	50.000	41.324	17.4	162	0.00
76	T	1,2,3-Trichloropropane	50.000	45.124	9.8	185	0.00
77	T	Bromobenzene	50.000	48.218	3.6	180	0.00
78	T	n-propylbenzene	50.000	45.325	9.3	170	0.00
79	T	2-Chlorotoluene	50.000	44.146	11.7	167	0.00
80	T	1,3,5-Trimethylbenzene	50.000	47.256	5.5	172	0.00
81	T	trans-1,4-Dichloro-2-butene	50.000	45.821	8.4	174	0.00
82	T	4-Chlorotoluene	50.000	44.250	11.5	169	0.00
83	T	tert-Butylbenzene	50.000	47.393	5.2	176	0.00
84	T	1,2,4-Trimethylbenzene	50.000	48.624	2.8	173	0.00
85	T	sec-Butylbenzene	50.000	47.524	5.0	173	0.00
86	T	p-Isopropyltoluene	50.000	48.930	2.1	175	0.00
87	T	1,3-Dichlorobenzene	50.000	47.947	4.1	183	0.00
88	T	1,4-Dichlorobenzene	50.000	46.037	7.9	182	0.00
89	T	n-Butylbenzene	50.000	46.244	7.5	169	0.00
90	T	Hexachloroethane	50.000	46.466	7.1	176	0.00
91	T	1,2-Dichlorobenzene	50.000	48.034	3.9	183	0.00
92	T	1,2-Dibromo-3-Chloropropane	50.000	40.250	19.5	158	0.00
93	T	1,2,4-Trichlorobenzene	50.000	46.084	7.8	175	0.00
94	T	Hexachlorobutadiene	50.000	46.213	7.6	183	0.00
95	T	Naphthalene	50.000	44.669	10.7	166	0.00

Sample Results: **VN087282.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087282.D
Acq On : 07 Jul 2025 09:48
Operator : JC\MD
Sample : VSTDCCC050
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_N
LabSampleId :
VSTDCCC050

Quant Time: Jul 08 01:26:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 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	46.283	7.4	175	0.00

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

QC SAMPLE DATA

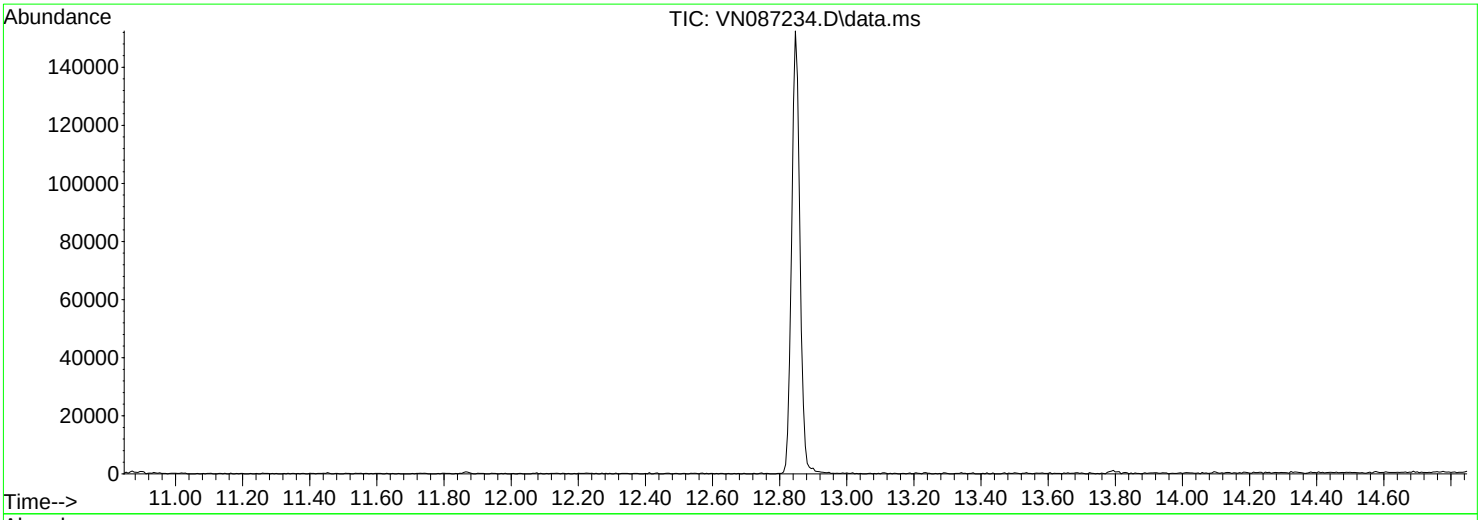
Sample Results: **VN087234.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN063025\
Data File : VN087234.D
Acq On : 30 Jun 2025 09:26
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\82N063025W.M
Title : SW846 8260
Last Update : Tue Jul 01 03:15:00 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	17.5	4928	PASS
75	95	30	60	52.1	14668	PASS
95	95	100	100	100.0	28149	PASS
96	95	5	9	7.0	1968	PASS
173	174	0.00	2	0.9	221	PASS
174	95	50	100	82.7	23293	PASS
175	174	5	9	7.9	1836	PASS
176	174	95	101	97.2	22643	PASS
177	176	5	9	7.1	1613	PASS

Average of 12.841 to 12.853 min.: VN087234.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.70	100	51.05	1478	69.00	3162	79.95	22
35.95	206	55.00	64	69.80	54	80.90	109
36.95	1397	55.95	358	70.05	180	81.80	19
37.95	1257	56.95	818	72.05	112	86.90	112
39.00	611	60.00	254	72.90	1302	87.95	1181
43.85	189	61.00	1485	74.00	4937	90.80	123
44.85	271	62.00	1386	75.00	14668	91.95	830
46.95	177	63.00	1037	75.95	1173	93.00	1283
47.95	191	63.90	146	76.85	242	94.00	3536
48.95	1251	64.95	254	78.85	1062	95.00	28149
50.05	4928	68.00	2872	79.70	77	96.00	1968

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN087234.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
103.80	55	175.90	22643				
105.90	70	176.90	1613				
116.85	229						
118.80	59						
140.85	303						
142.85	314						
171.95	288						
172.70	84						
172.95	221						
173.90	23293						
174.90	1836						

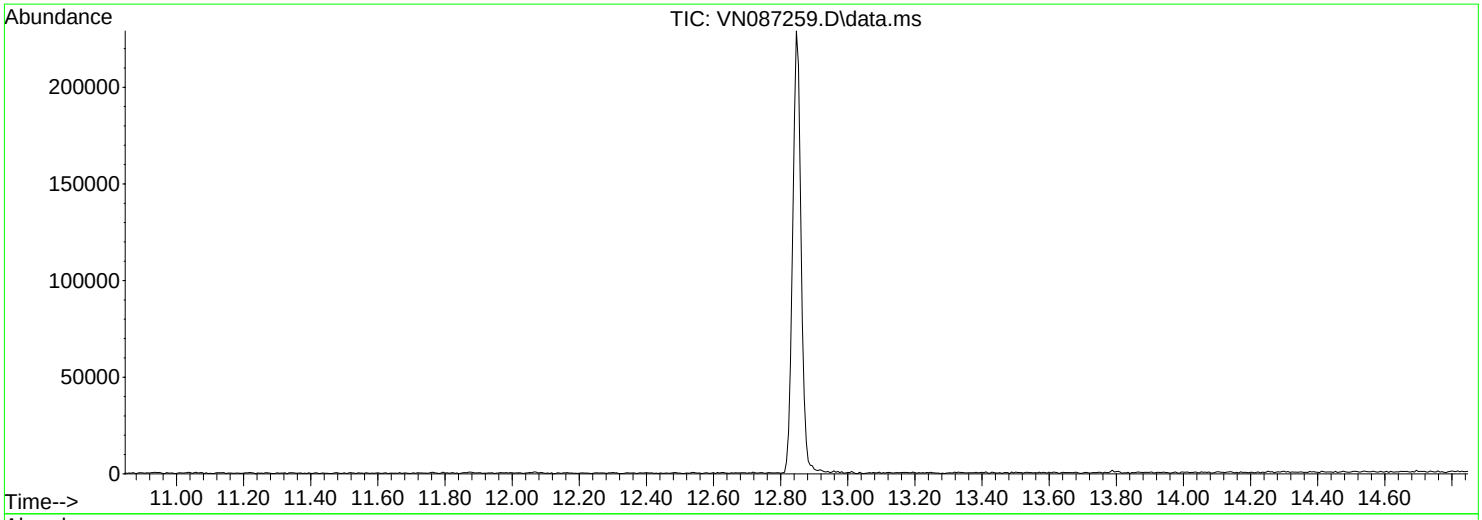
Sample Results: **VN087259.D**

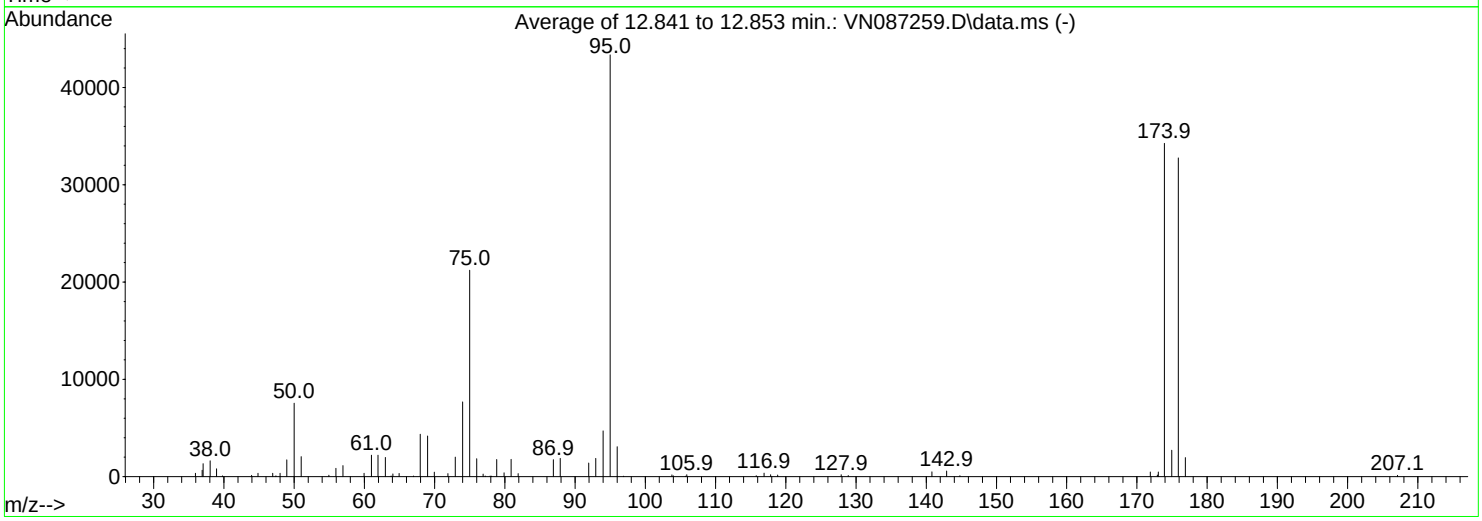
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087259.D
Acq On : 03 Jul 2025 10:17
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Title : SW846 8260
Last Update : Tue Jul 01 03:15:00 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	17.4	7554	PASS
75	95	30	60	48.9	21219	PASS
95	95	100	100	100.0	43355	PASS
96	95	5	9	7.1	3080	PASS
173	174	0.00	2	1.4	481	PASS
174	95	50	100	79.0	34261	PASS
175	174	5	9	7.9	2709	PASS
176	174	95	101	95.6	32760	PASS
177	176	5	9	6.0	1956	PASS

Average of 12.841 to 12.853 min.: VN087259.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.95	346	48.95	1726	64.05	281	76.90	26
36.90	666	50.00	7554	64.95	328	77.20	7
37.05	1337	51.00	2058	67.00	60	77.90	7
38.05	1626	54.95	147	67.95	4367	78.10	5
38.95	807	55.95	848	69.00	4172	78.85	1769
39.80	80	56.95	1132	69.95	462	79.90	396
43.95	140	59.95	344	71.90	311	80.90	1780
44.85	355	61.00	2213	72.95	2000	81.90	306
46.95	346	61.95	2199	74.00	7675	86.90	1740
47.40	82	63.00	1976	75.00	21219	87.90	1879
48.00	338	63.80	70	76.00	1848	91.95	1393

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN087259.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
92.95	1881	117.85	196	174.95	2709		
94.00	4700	118.85	162	175.90	32760		
95.00	43355	127.90	193	176.90	1956		
96.00	3080	128.90	112	207.10	136		
96.90	50	140.80	486				
103.80	174	142.90	574				
104.00	80	144.80	98				
105.70	51	171.90	476				
105.90	190	172.90	167				
115.80	98	173.05	481				
116.90	364	173.90	34261				

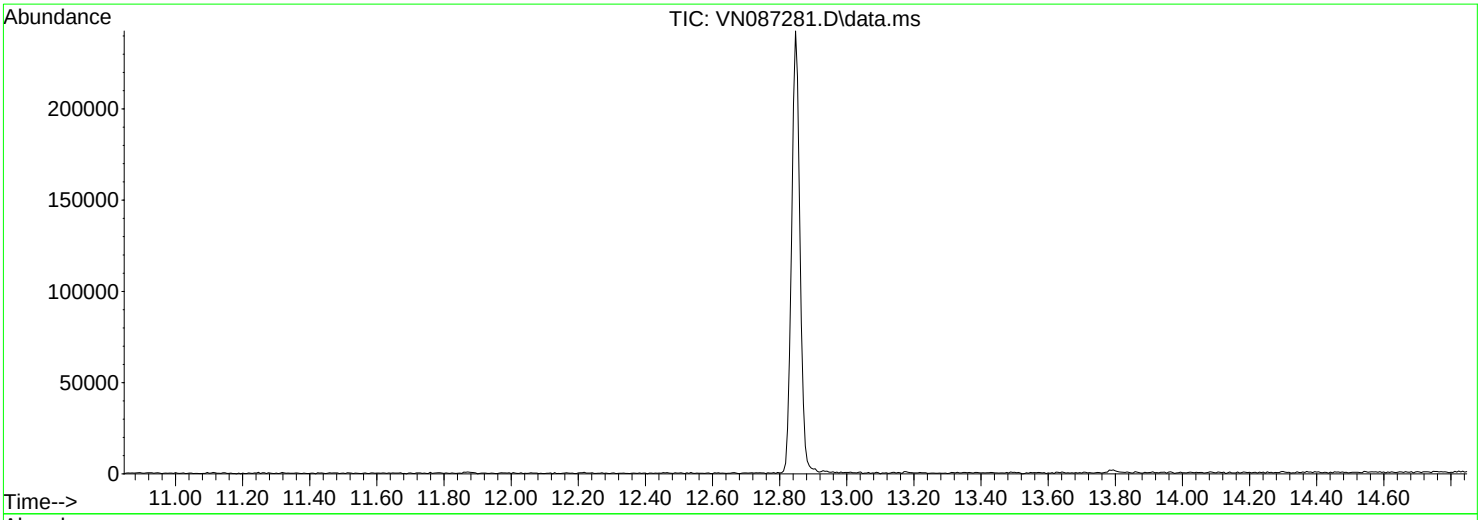
Sample Results: **VN087281.D**

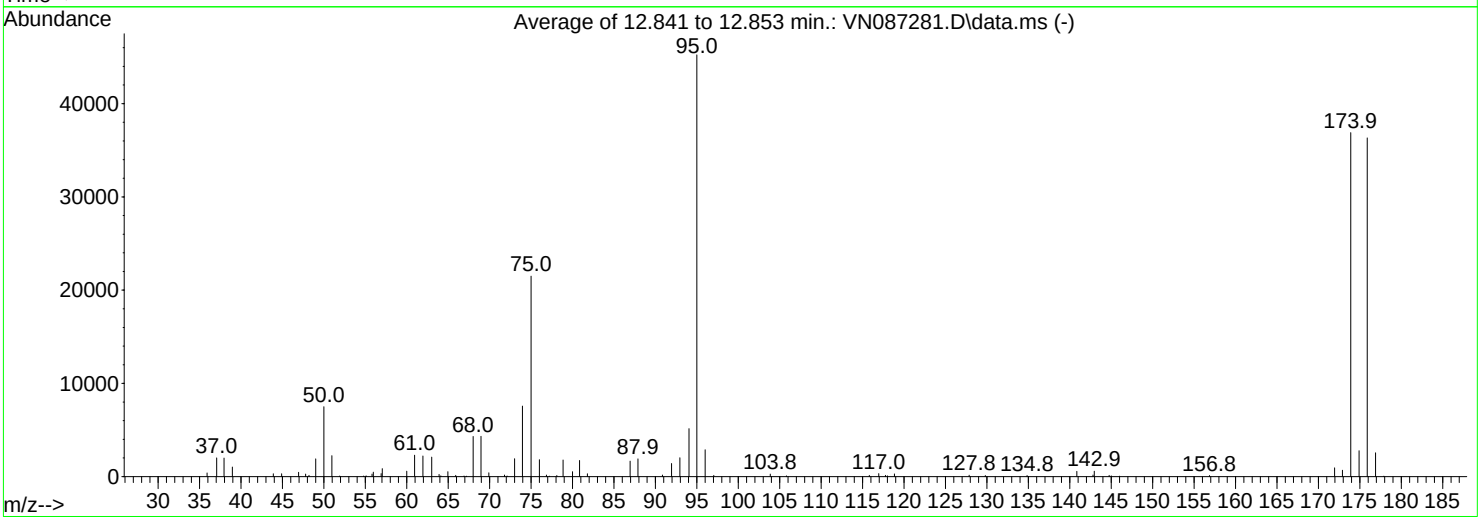
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087281.D
Acq On : 07 Jul 2025 08:41
Operator : JC\MD
Sample : BFB
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
BFB

Integration File: RTEINT.P

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Title : SW846 8260
Last Update : Tue Jul 01 03:15:00 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	16.6	7493	PASS
75	95	30	60	47.5	21507	PASS
95	95	100	100	100.0	45235	PASS
96	95	5	9	6.4	2883	PASS
173	174	0.00	2	1.9	683	PASS
174	95	50	100	81.6	36891	PASS
175	174	5	9	7.6	2789	PASS
176	174	95	101	98.5	36323	PASS
177	176	5	9	7.1	2565	PASS

Average of 12.841 to 12.853 min.: VN087281.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
35.90	398	50.95	2250	63.00	2103	72.10	7
37.05	2003	51.90	66	63.90	248	73.00	192
37.95	1985	54.80	71	64.10	79	73.95	756
38.95	1025	55.10	92	64.95	541	75.00	2150
43.90	310	55.80	269	65.90	134	76.00	1817
44.90	307	55.95	474	66.90	65	76.85	167
46.95	463	56.90	327	67.20	56	77.20	56
47.80	276	57.05	856	68.00	4317	78.10	126
48.20	142	60.00	579	68.95	4331	78.85	1781
49.00	1899	60.95	2297	69.90	406	80.00	528
50.00	7493	61.95	2207	71.80	174	80.85	1734

Instrument :
MSVOA_N
ClientSampleId :
BFB

Average of 12.841 to 12.853 min.: VN087281.D\data.ms
BFB
Modified:subtracted

m/z	abund.	m/z	abund.	m/z	abund.	m/z	abund.
81.80	305	105.80	87	142.95	586	177.90	60
86.95	1658	115.80	134	144.75	137		
87.90	1905	116.95	322	145.00	88		
90.85	179	117.75	137	146.00	54		
91.95	1417	118.00	89	156.85	120		
92.95	2025	118.85	293	171.95	953		
94.05	5150	127.85	151	172.90	683		
95.00	45235	129.80	119	173.90	36891		
96.00	2883	134.85	115	174.90	2789		
97.05	144	140.85	569	175.90	36323		
103.85	274	142.80	177	176.90	2565		

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VN0703WBL01	SDG No.:	Q2487
Lab Sample ID:	VN0703WBL01	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:	Date Analyzed	Prep Batch ID
VN087262.D	1	07/03/25 11:44	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.7		74 - 125	117%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5		75 - 124	105%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		77 - 121	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	8.23			
540-36-3	1,4-Difluorobenzene	379000	9.106			
3114-55-4	Chlorobenzene-d5	351000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	172000	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\VN070325\
Data File : VN087262.D
Acq On : 03 Jul 2025 11:44
Operator : JC\MD
Sample : VN0703WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Quant Time: Jul 04 01:27:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	197279	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379432	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350668	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	171520	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	145307	58.687	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 117.380%			
35) Dibromofluoromethane	8.177	113	127458	52.462	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.920%			
50) Toluene-d8	10.565	98	460922	48.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.340%			
62) 4-Bromofluorobenzene	12.847	95	153752	45.631	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.260%			

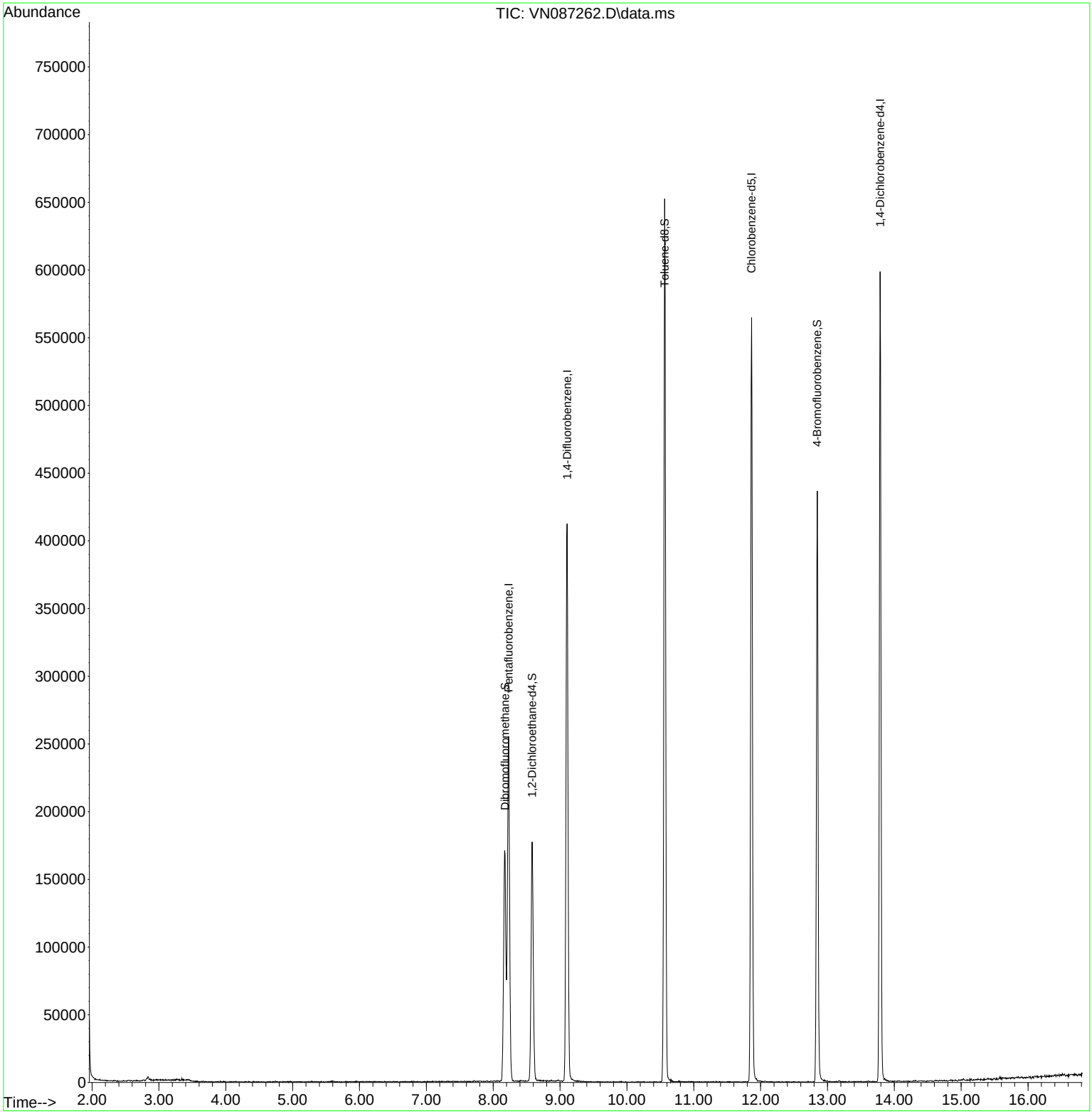
Target Compounds Qvalue

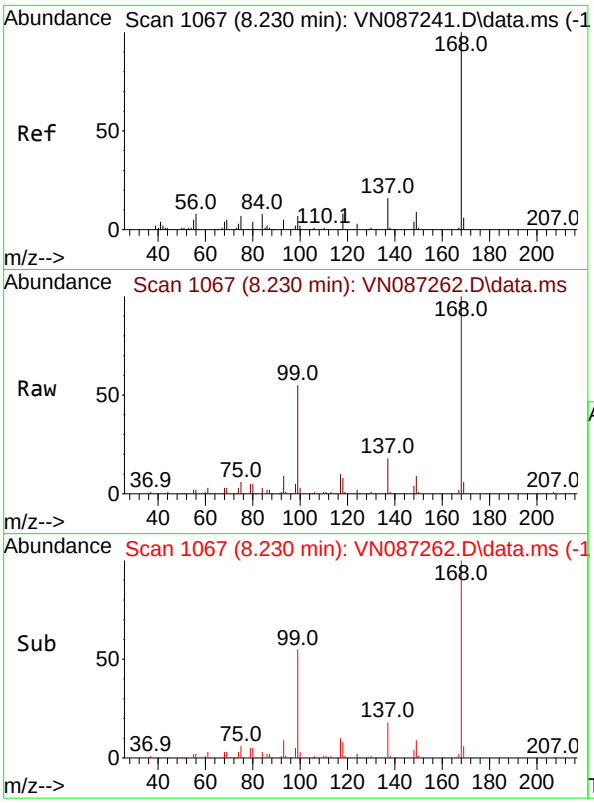
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087262.D
Acq On : 03 Jul 2025 11:44
Operator : JC\MD
Sample : VN0703WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Quant Time: Jul 04 01:27:48 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



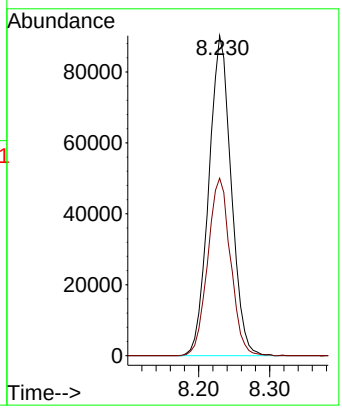


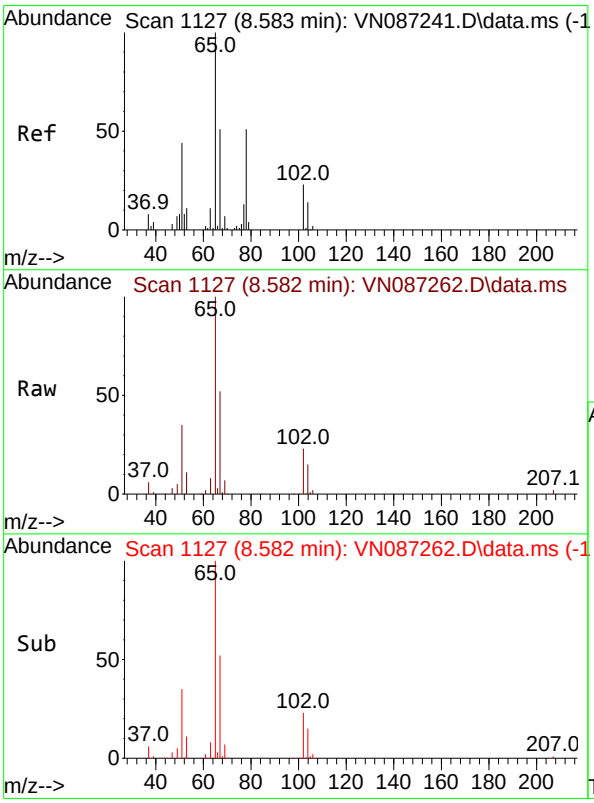
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Tgt Ion:168 Resp: 197279

Ion	Ratio	Lower	Upper
168	100		
99	55.4	42.6	64.0

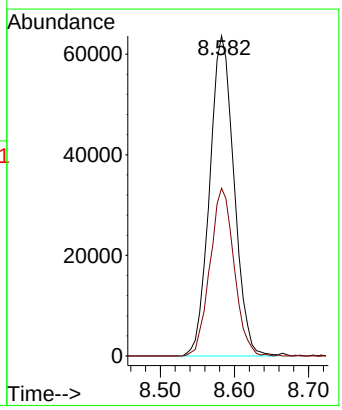


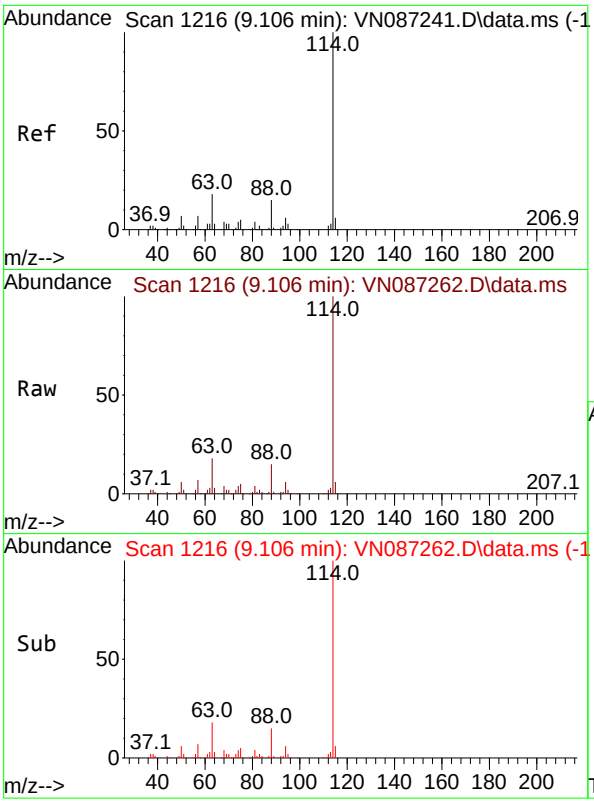


#33
1,2-Dichloroethane-d4
Concen: 58.687 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion: 65 Resp: 145307

Ion	Ratio	Lower	Upper
65	100		
67	51.8	0.0	102.6



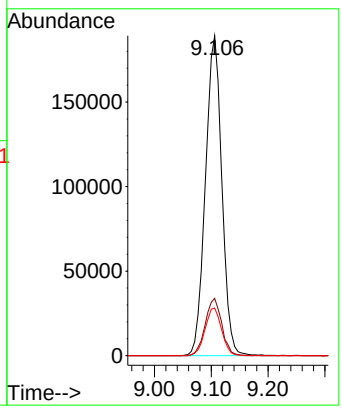


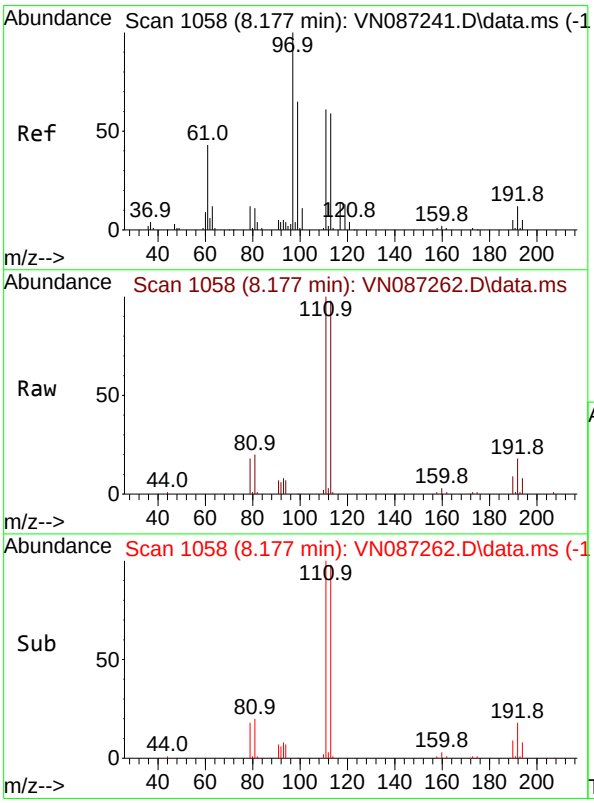
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Tgt Ion:114 Resp: 379432

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	36.6
88	14.9	0.0	29.6

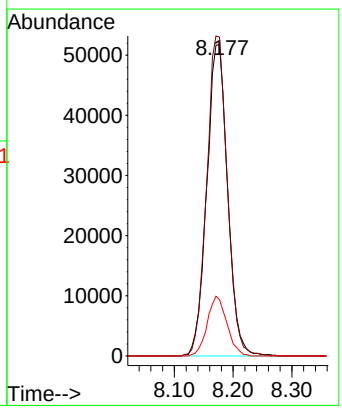


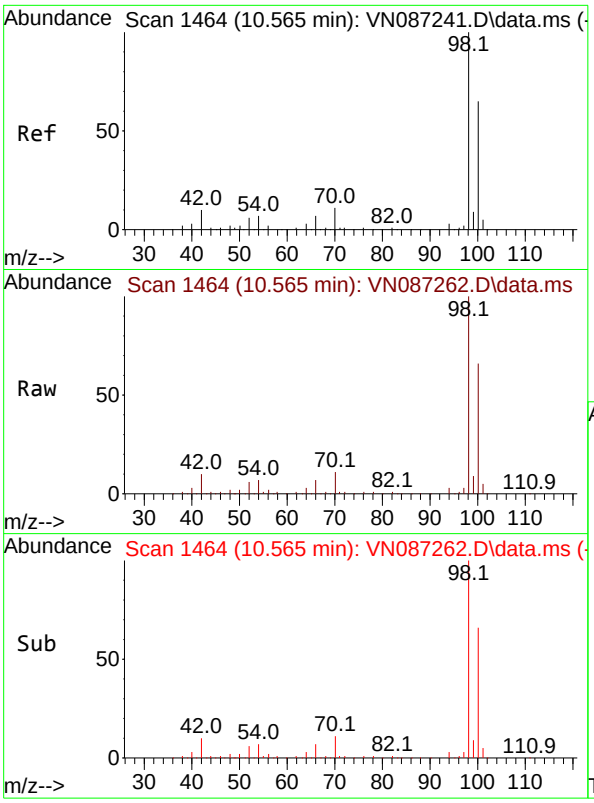


#35
Dibromofluoromethane
Concen: 52.462 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion:113 Resp: 127458

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.4	122.2
192	18.1	15.1	22.7



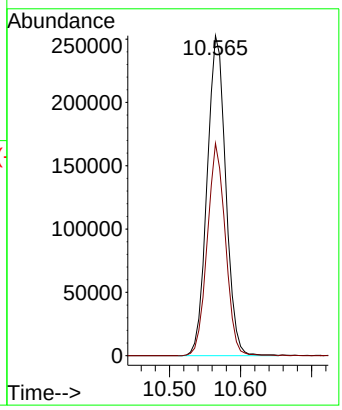


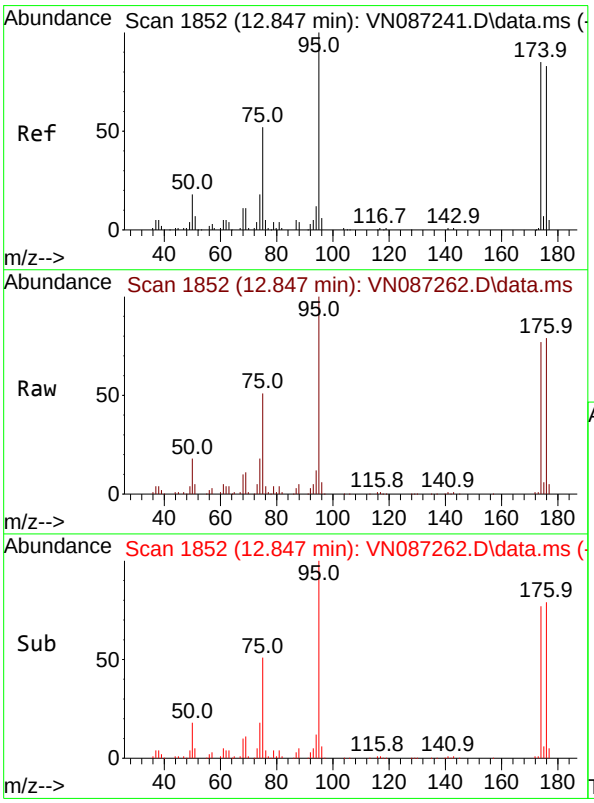
#50
Toluene-d8
Concen: 48.673 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Tgt Ion: 98 Resp: 460922

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1

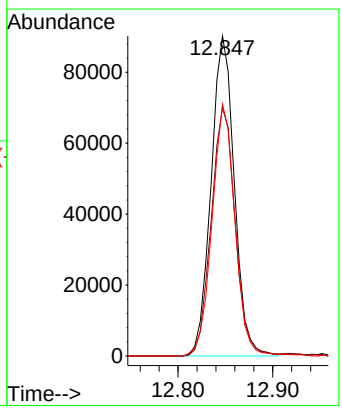


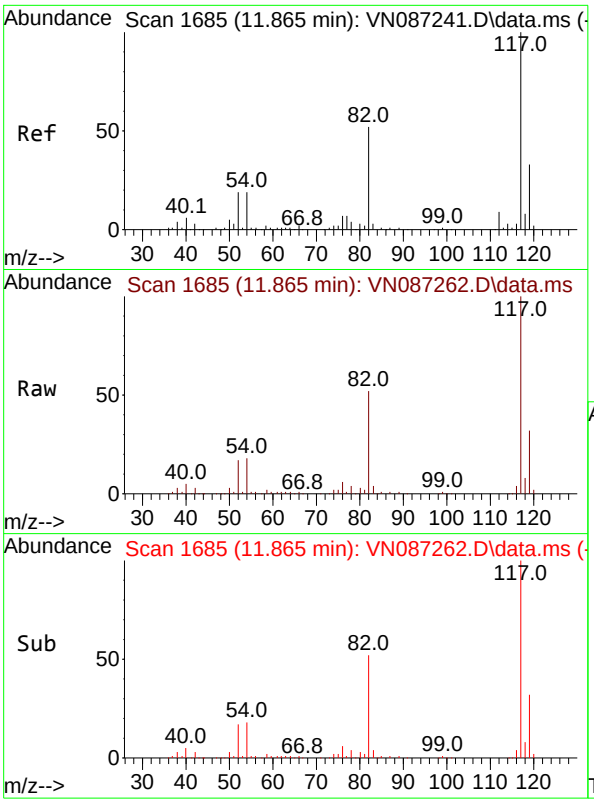


#62
4-Bromofluorobenzene
Concen: 45.631 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion: 95 Resp: 153752

Ion	Ratio	Lower	Upper
95	100		
174	80.2	0.0	169.6
176	77.7	0.0	161.6



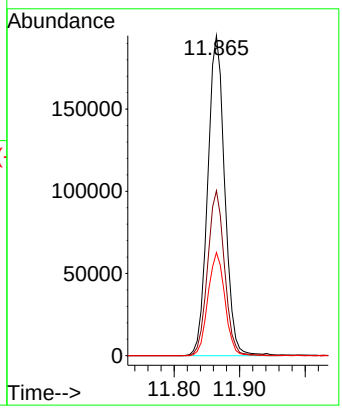


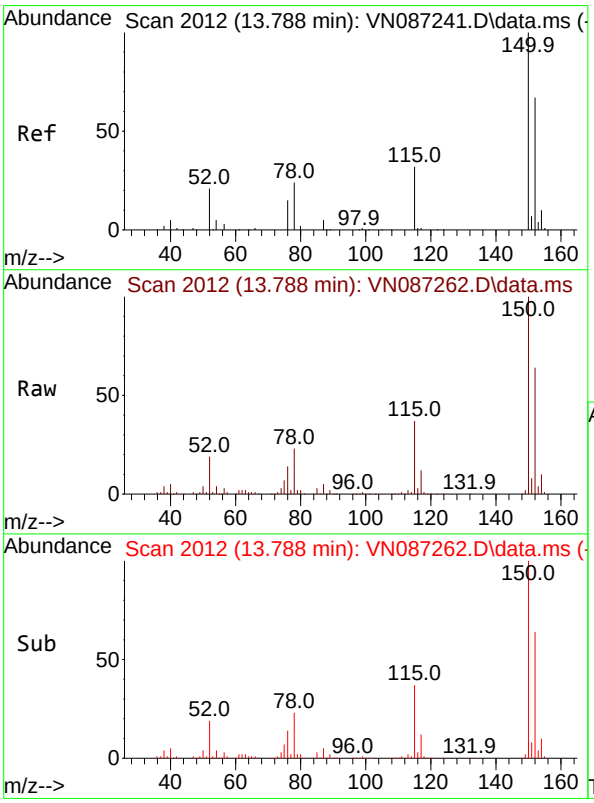
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBL01

Tgt Ion:117 Resp: 350668

Ion	Ratio	Lower	Upper
117	100		
82	51.5	41.9	62.9
119	32.2	26.2	39.4

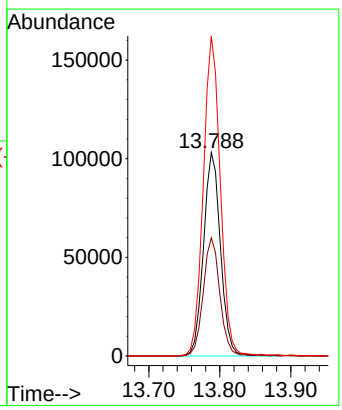




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.000 min
Lab File: VN087262.D
Acq: 03 Jul 2025 11:44

Tgt Ion:152 Resp: 171520

Ion	Ratio	Lower	Upper
152	100		
115	56.8	28.3	84.9
150	157.5	0.0	344.6



Raw Data: **VN087284.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VN0707WBL01	SDG No.:	Q2487
Lab Sample ID:	VN0707WBL01	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:	Date Analyzed	Prep Batch ID
VN087284.D	1	07/07/25 10:45	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	5.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	5.00	ug/L
71-43-2	Benzene	0.15	U	0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	5.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	5.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	5.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.3		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1		75 - 124	104%	SPK: 50
2037-26-5	Toluene-d8	48.7		86 - 113	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.2		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	183000	8.23			
540-36-3	1,4-Difluorobenzene	340000	9.106			
3114-55-4	Chlorobenzene-d5	317000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	155000	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\VN070725\
Data File : VN087284.D
Acq On : 07 Jul 2025 10:45
Operator : JC\MD
Sample : VN0707WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Quant Time: Jul 08 01:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

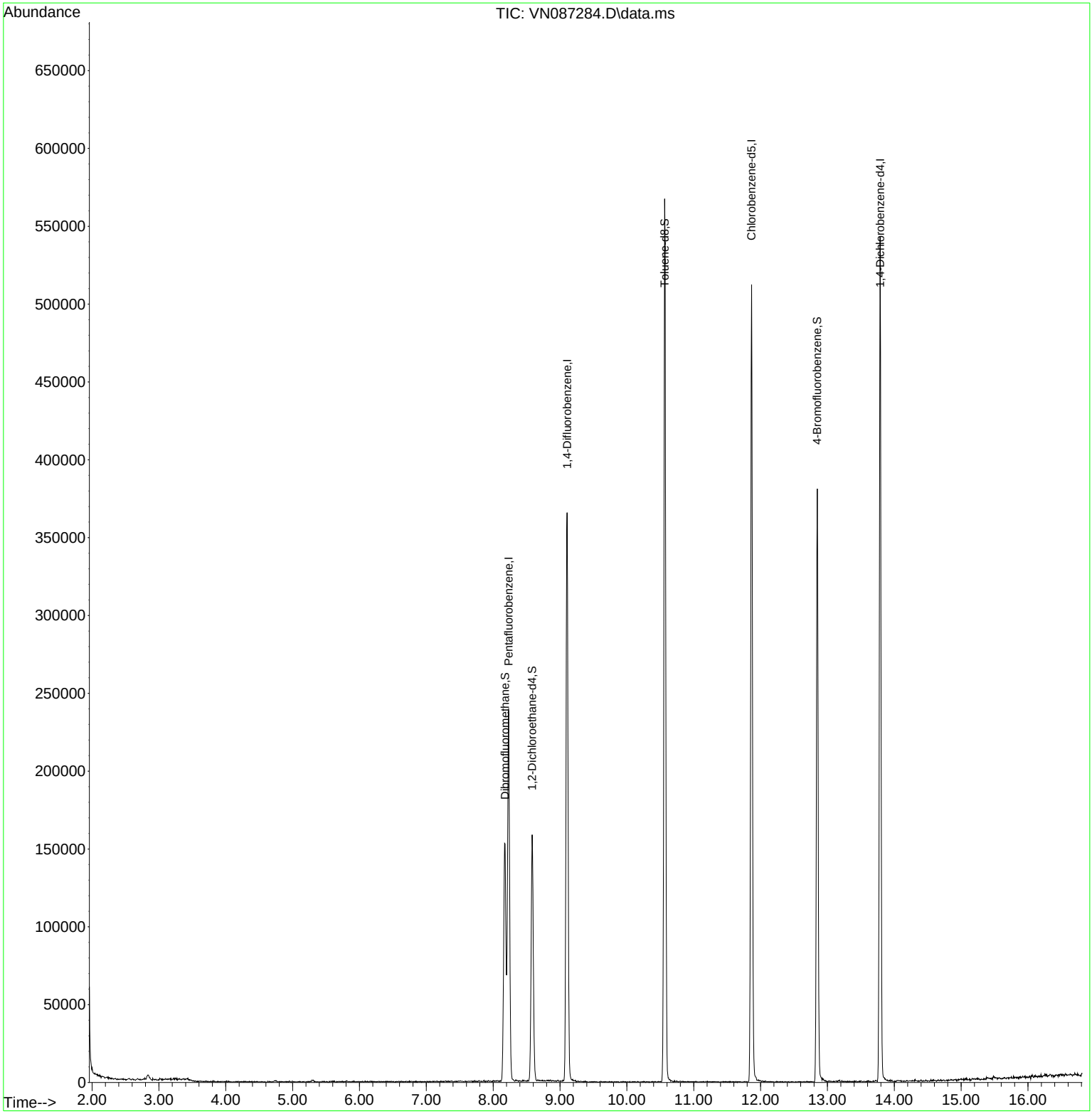
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	183454	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	339704	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	317463	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155374	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	129549	56.266	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 112.540%			
35) Dibromofluoromethane	8.177	113	113295	52.086	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.180%			
50) Toluene-d8	10.565	98	412523	48.656	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.320%			
62) 4-Bromofluorobenzene	12.847	95	136254	45.167	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.340%			
Target Compounds						Qvalue

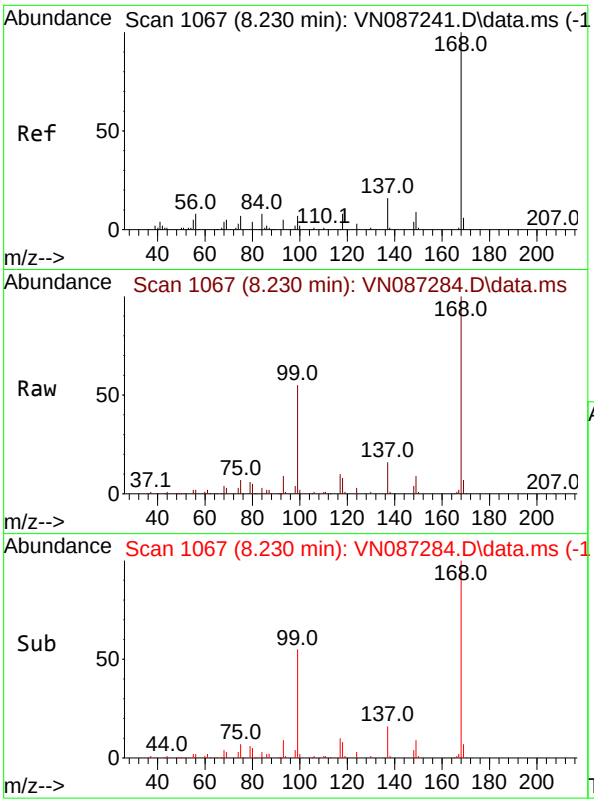
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087284.D
Acq On : 07 Jul 2025 10:45
Operator : JC\MD
Sample : VN0707WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Quant Time: Jul 08 01:28:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration



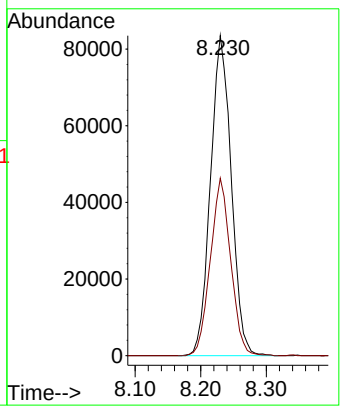


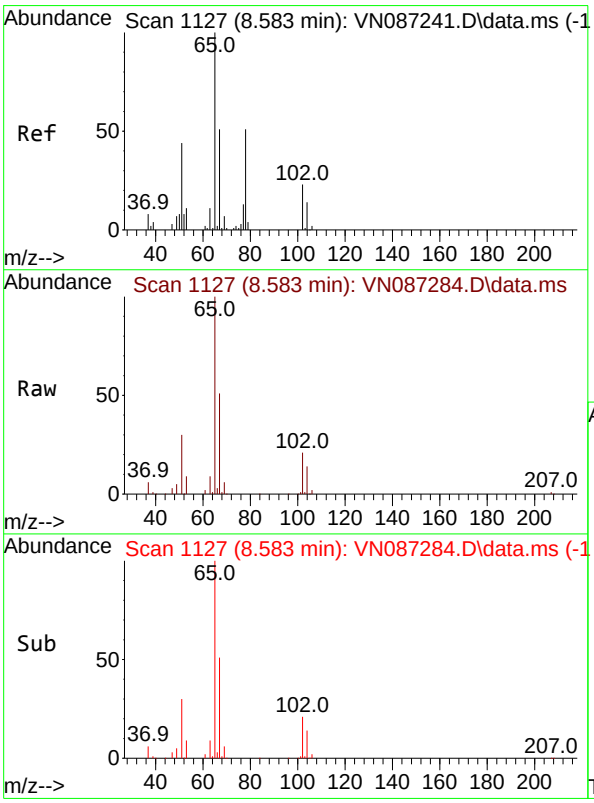
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Tgt Ion:168 Resp: 183454

Ion	Ratio	Lower	Upper
168	100		
99	55.5	42.6	64.0

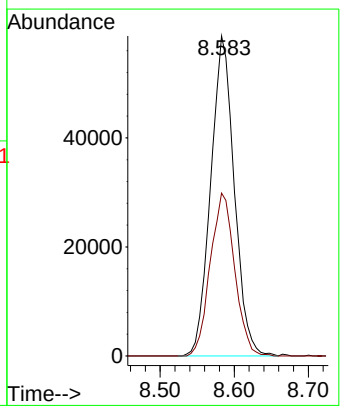


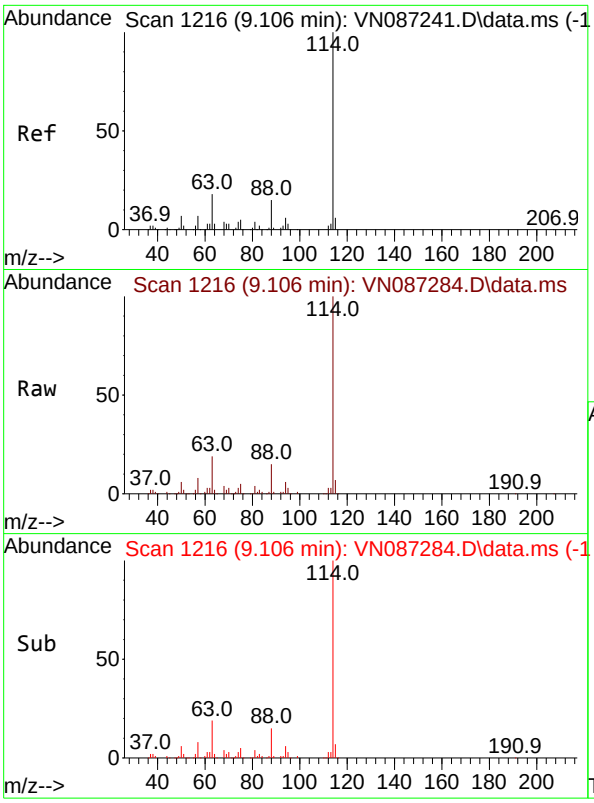


#33
1,2-Dichloroethane-d4
Concen: 56.266 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 65 Resp: 129549

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	102.6



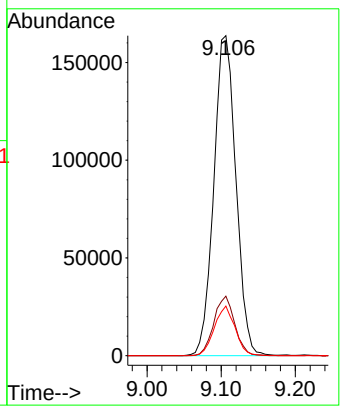


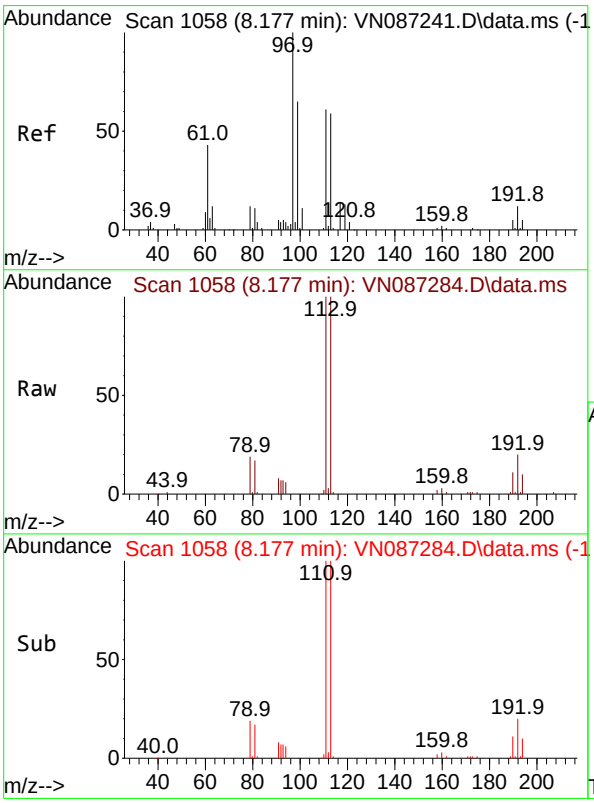
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Tgt Ion:114 Resp: 339704

Ion	Ratio	Lower	Upper
114	100		
63	18.6	0.0	36.6
88	15.5	0.0	29.6

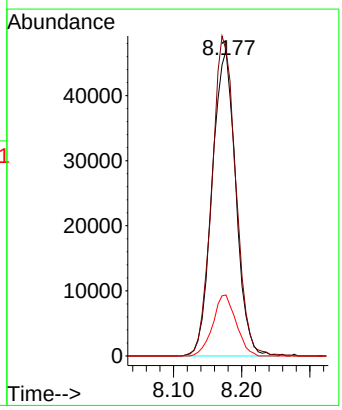


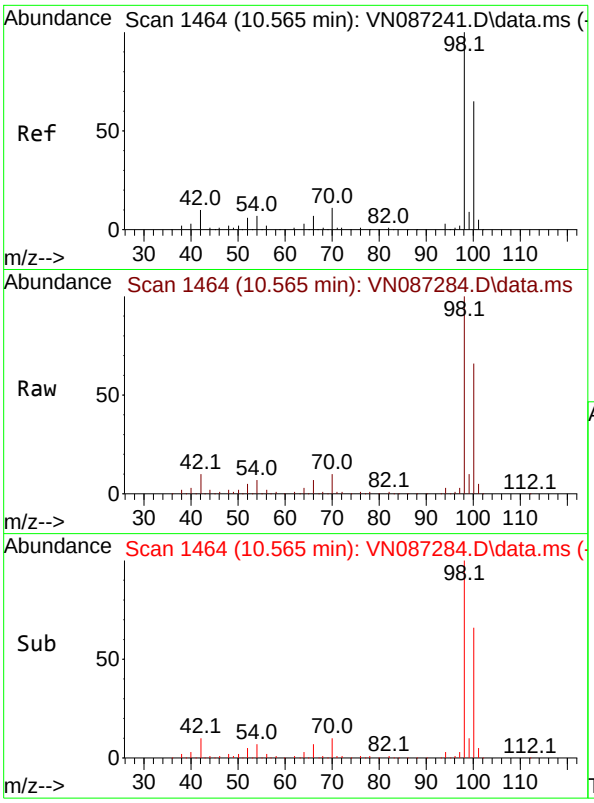


#35
Dibromofluoromethane
Concen: 52.086 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Tgt Ion:113 Resp: 113295

Ion	Ratio	Lower	Upper
113	100		
111	105.1	81.4	122.2
192	19.6	15.1	22.7



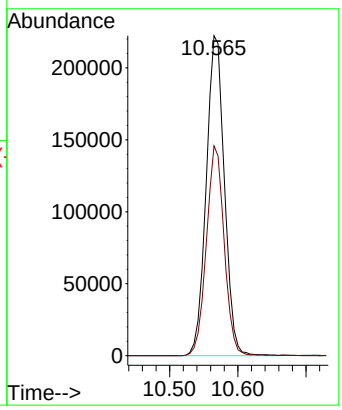


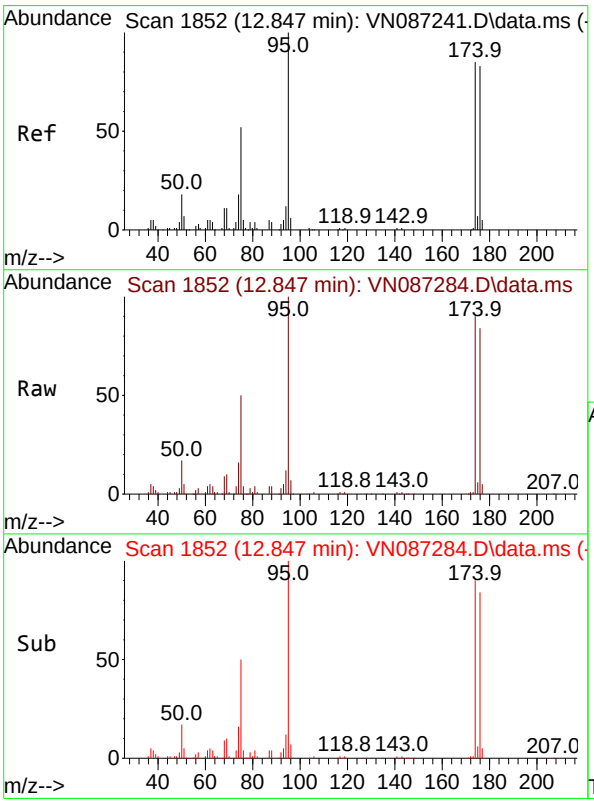
#50
Toluene-d8
Concen: 48.656 ug/l
RT: 10.565 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Tgt Ion: 98 Resp: 412523

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

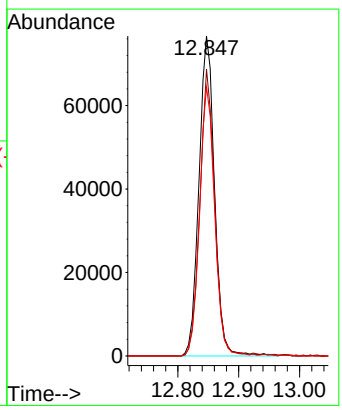


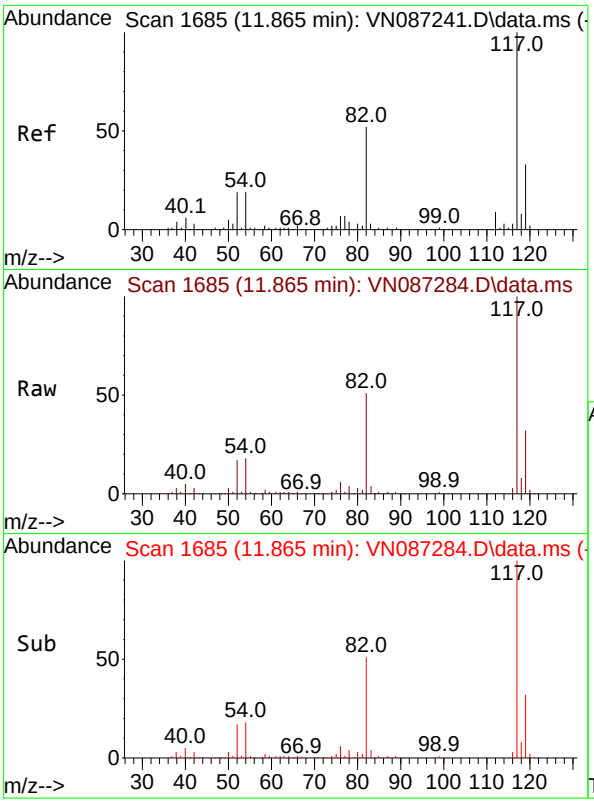


#62
4-Bromofluorobenzene
Concen: 45.167 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Tgt Ion: 95 Resp: 136254

Ion	Ratio	Lower	Upper
95	100		
174	85.2	0.0	169.6
176	81.4	0.0	161.6



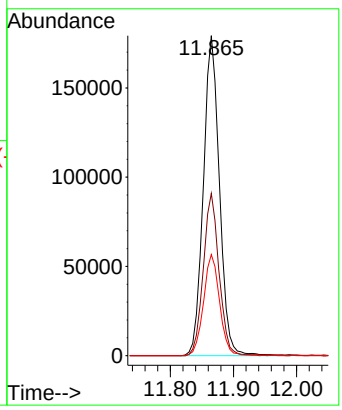


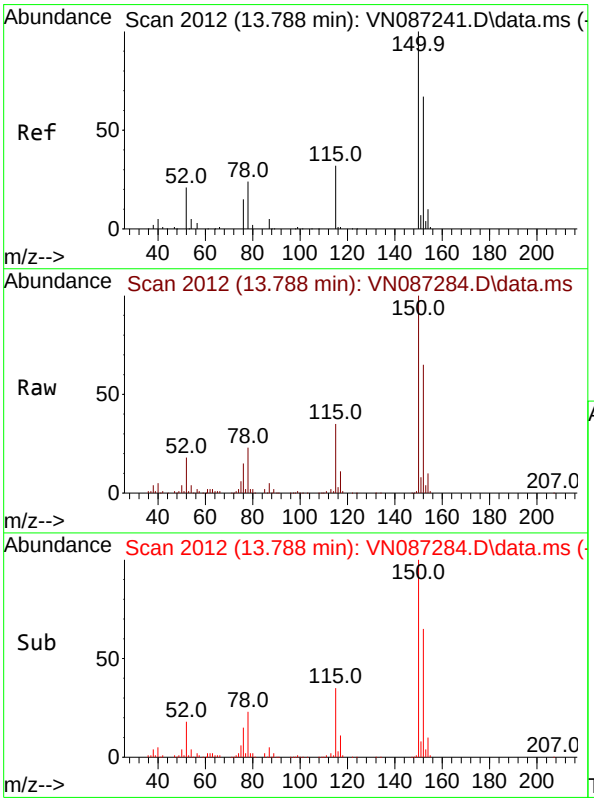
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBL01

Tgt Ion:117 Resp: 317463

Ion	Ratio	Lower	Upper
117	100		
82	50.7	41.9	62.9
119	31.6	26.2	39.4

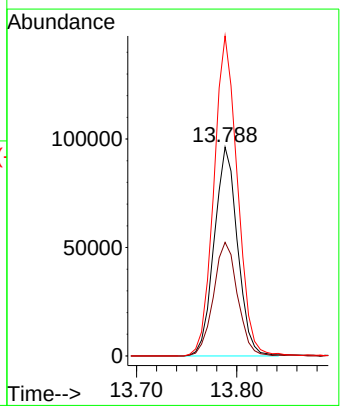




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087284.D
Acq: 07 Jul 2025 10:45

Tgt Ion:152 Resp: 155374

Ion	Ratio	Lower	Upper
152	100		
115	56.5	28.3	84.9
150	155.2	0.0	344.6



Raw Data: **VN087263.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VN0703WBS01	SDG No.:	Q2487
Lab Sample ID:	VN0703WBS01	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:	Date Analyzed	Prep Batch ID
VN087263.D	1	07/03/25 12:05	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.8		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.5		0.23	5.00	ug/L
78-93-3	2-Butanone	89.1		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	17.9		0.25	5.00	ug/L
67-66-3	Chloroform	17.8		0.25	5.00	ug/L
71-43-2	Benzene	17.2		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	17.4		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.5		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.8		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		75 - 124	97%	SPK: 50
2037-26-5	Toluene-d8	47.6		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		77 - 121	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	228000	8.23			
540-36-3	1,4-Difluorobenzene	382000	9.106			
3114-55-4	Chlorobenzene-d5	348000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	190000	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\VN070325\
Data File : VN087263.D
Acq On : 03 Jul 2025 12:05
Operator : JC\MD
Sample : VN0703WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 04 01:28:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	227972	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	381904	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	348191	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	190045	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	139687	48.821	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.640%			
35) Dibromofluoromethane	8.171	113	118923	48.632	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.260%			
50) Toluene-d8	10.565	98	453535	47.583	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.160%			
62) 4-Bromofluorobenzene	12.847	95	158193	46.645	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.300%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	43905	19.790	ug/l	96
3) Chloromethane	2.395	50	33807	18.766	ug/l	99
4) Vinyl Chloride	2.554	62	41720	18.837	ug/l	94
5) Bromomethane	3.001	94	36298	17.959	ug/l	97
6) Chloroethane	3.159	64	33286	18.973	ug/l	98
7) Trichlorofluoromethane	3.530	101	70664	18.387	ug/l	99
8) Diethyl Ether	3.989	74	23221	18.933	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.401	101	42630	19.105	ug/l	98
10) Methyl Iodide	4.618	142	36638	16.548	ug/l	92
11) Tert butyl alcohol	5.530	59	44570	85.473	ug/l	99
12) 1,1-Dichloroethene	4.371	96	39318	18.548	ug/l	93
13) Acrolein	4.206	56	37879	104.881	ug/l	99
14) Allyl chloride	5.053	41	44082	16.968	ug/l	96
15) Acrylonitrile	5.742	53	115303	88.819	ug/l	99
16) Acetone	4.442	43	109865	100.437	ug/l	95
17) Carbon Disulfide	4.742	76	112190	17.640	ug/l	97
18) Methyl Acetate	5.053	43	47168	18.836	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	130729	17.596	ug/l	97
20) Methylene Chloride	5.300	84	45245	18.672	ug/l	92
21) trans-1,2-Dichloroethene	5.806	96	45198	17.645	ug/l	97
22) Diisopropyl ether	6.683	45	108371	17.423	ug/l	97
23) Vinyl Acetate	6.618	43	487619	84.766	ug/l	100
24) 1,1-Dichloroethane	6.589	63	73483	18.031	ug/l	96
25) 2-Butanone	7.494	43	152346	89.120	ug/l	96
26) 2,2-Dichloropropane	7.494	77	73675	18.892	ug/l	100
27) cis-1,2-Dichloroethene	7.500	96	54188	18.318	ug/l	97
28) Bromochloromethane	7.818	49	32965	18.326	ug/l	99
29) Tetrahydrofuran	7.847	42	93777	85.131	ug/l	99
30) Chloroform	7.971	83	80480	17.817	ug/l	94
31) Cyclohexane	8.259	56	63417	16.275	ug/l	93
32) 1,1,1-Trichloroethane	8.177	97	75225	17.882	ug/l	99
36) 1,1-Dichloropropene	8.377	75	57494	17.289	ug/l	99
37) Ethyl Acetate	7.571	43	61114	17.096	ug/l	100
38) Carbon Tetrachloride	8.371	117	67263	17.851	ug/l	99
39) Methylcyclohexane	9.600	83	66186	16.713	ug/l	99
40) Benzene	8.612	78	177299	17.210	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087263.D
Acq On : 03 Jul 2025 12:05
Operator : JC\MD
Sample : VN0703WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 04 01:28:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc Units	Dev(Min)
41) Methacrylonitrile	7.783	41	27697	16.204 ug/l	93
42) 1,2-Dichloroethane	8.677	62	59500	17.366 ug/l	98
43) Isopropyl Acetate	8.694	43	93604	16.884 ug/l	98
44) Trichloroethene	9.353	130	47991	17.531 ug/l	94
45) 1,2-Dichloropropane	9.624	63	39862	17.746 ug/l	94
46) Dibromomethane	9.712	93	33573	17.569 ug/l	99
47) Bromodichloromethane	9.888	83	65257	17.906 ug/l	96
48) Methyl methacrylate	9.683	41	38192	16.346 ug/l	97
49) 1,4-Dioxane	9.700	88	16984	359.877 ug/l #	98
51) 4-Methyl-2-Pentanone	10.447	43	283085	83.458 ug/l	98
52) Toluene	10.630	92	117689	17.418 ug/l	100
53) t-1,3-Dichloropropene	10.835	75	65537	16.766 ug/l	99
54) cis-1,3-Dichloropropene	10.312	75	70689	17.749 ug/l	95
55) 1,1,2-Trichloroethane	11.018	97	45507	17.829 ug/l	95
56) Ethyl methacrylate	10.882	69	55881	14.944 ug/l	97
57) 1,3-Dichloropropane	11.165	76	73079	17.543 ug/l	97
58) 2-Chloroethyl Vinyl ether	10.159	63	156937	79.408 ug/l	99
59) 2-Hexanone	11.206	43	222526m	91.587 ug/l	
60) Dibromochloromethane	11.359	129	54009	17.950 ug/l	98
61) 1,2-Dibromoethane	11.465	107	48409	17.632 ug/l	99
64) Tetrachloroethene	11.106	164	41322	17.799 ug/l	96
65) Chlorobenzene	11.888	112	139444	17.848 ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.959	131	49318	18.281 ug/l	99
67) Ethyl Benzene	11.959	91	215458	17.042 ug/l	97
68) m/p-Xylenes	12.071	106	177365	35.114 ug/l	97
69) o-Xylene	12.394	106	82975	17.561 ug/l	95
70) Styrene	12.406	104	140167	17.455 ug/l	99
71) Bromoform	12.576	173	37341	17.941 ug/l #	99
73) Isopropylbenzene	12.694	105	207922	16.980 ug/l	100
74) N-amyl acetate	12.541	43	57991m	14.401 ug/l	
75) 1,1,2,2-Tetrachloroethane	12.935	83	69116	17.160 ug/l	99
76) 1,2,3-Trichloropropane	12.994	75	66064m	18.276 ug/l	
77) Bromobenzene	12.982	156	58802	18.396 ug/l	97
78) n-propylbenzene	13.035	91	253070	17.109 ug/l	99
79) 2-Chlorotoluene	13.123	91	147696	16.778 ug/l	100
80) 1,3,5-Trimethylbenzene	13.171	105	177573	17.349 ug/l	98
81) trans-1,4-Dichloro-2-b...	12.735	75	25350	16.472 ug/l	97
82) 4-Chlorotoluene	13.218	91	156487	16.982 ug/l	100
83) tert-Butylbenzene	13.435	119	153964	17.169 ug/l	97
84) 1,2,4-Trimethylbenzene	13.476	105	181817	17.733 ug/l	99
85) sec-Butylbenzene	13.612	105	214600	16.883 ug/l	98
86) p-Isopropyltoluene	13.723	119	186675	17.085 ug/l	97
87) 1,3-Dichlorobenzene	13.729	146	114432	17.976 ug/l	96
88) 1,4-Dichlorobenzene	13.806	146	113381	17.058 ug/l	98
89) n-Butylbenzene	14.053	91	160995	16.736 ug/l	98
90) Hexachloroethane	14.329	117	35468	17.538 ug/l	95
91) 1,2-Dichlorobenzene	14.100	146	104499	17.552 ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15536	16.050 ug/l	97
93) 1,2,4-Trichlorobenzene	15.388	180	59004	16.760 ug/l	99
94) Hexachlorobutadiene	15.494	225	18822	16.830 ug/l	96
95) Naphthalene	15.635	128	192972	15.843 ug/l	99
96) 1,2,3-Trichlorobenzene	15.835	180	56984	16.614 ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087263.D
Acq On : 03 Jul 2025 12:05
Operator : JC\MD
Sample : VN0703WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 04 01:28:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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

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

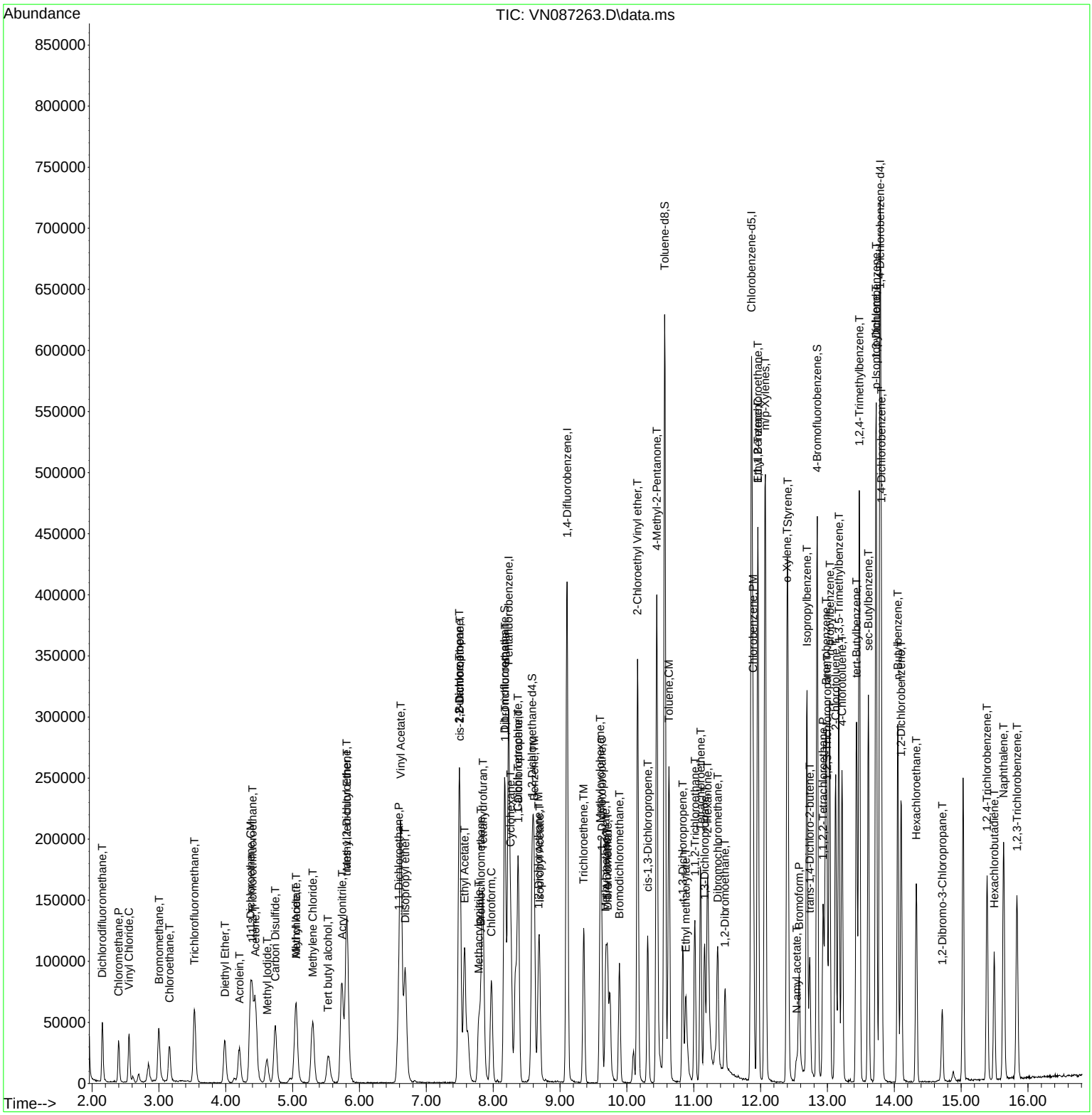
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087263.D
Acq On : 03 Jul 2025 12:05
Operator : JC\MD
Sample : VN0703WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 04 01:28:08 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



Raw Data: **VN087286.D**

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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VN0707WBS02	SDG No.:	Q2487
Lab Sample ID:	VN0707WBS02	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:	Date Analyzed	Prep Batch ID
VN087286.D	1	07/07/25 11:41	VN070725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.5		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.4		0.23	5.00	ug/L
78-93-3	2-Butanone	94.8		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	5.00	ug/L
67-66-3	Chloroform	18.4		0.25	5.00	ug/L
71-43-2	Benzene	17.1		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	18.2		0.22	5.00	ug/L
79-01-6	Trichloroethene	18.1		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	17.8		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.1		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		74 - 125	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		75 - 124	99%	SPK: 50
2037-26-5	Toluene-d8	46.9		86 - 113	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	214000	8.23			
540-36-3	1,4-Difluorobenzene	354000	9.106			
3114-55-4	Chlorobenzene-d5	330000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	177000	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\VN070725\
Data File : VN087286.D
Acq On : 07 Jul 2025 11:41
Operator : JC\MD
Sample : VN0707WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	214445	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	354114	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330344	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	176576	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130743	48.578	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.160%			
35) Dibromofluoromethane	8.171	113	111888	49.346	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.700%			
50) Toluene-d8	10.565	98	414770	46.931	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.860%			
62) 4-Bromofluorobenzene	12.847	95	147242	46.824	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.640%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	39957	19.146	ug/l	93
3) Chloromethane	2.401	50	30846	18.202	ug/l	98
4) Vinyl Chloride	2.553	62	38629	18.541	ug/l	100
5) Bromomethane	2.995	94	34795	18.302	ug/l	91
6) Chloroethane	3.153	64	31211	18.913	ug/l	92
7) Trichlorofluoromethane	3.530	101	65715	18.178	ug/l	94
8) Diethyl Ether	3.983	74	21782	18.880	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	39854	18.988	ug/l	98
10) Methyl Iodide	4.618	142	43170	20.728	ug/l	97
11) Tert butyl alcohol	5.536	59	49178	100.259	ug/l	99
12) 1,1-Dichloroethene	4.371	96	36613	18.361	ug/l	98
13) Acrolein	4.200	56	36274	106.772	ug/l	96
14) Allyl chloride	5.047	41	42847	17.533	ug/l #	82
15) Acrylonitrile	5.736	53	110394	90.402	ug/l	98
16) Acetone	4.447	43	106119	103.131	ug/l	97
17) Carbon Disulfide	4.742	76	103827	17.355	ug/l	98
18) Methyl Acetate	5.042	43	47396	20.121	ug/l	98
19) Methyl tert-butyl Ether	5.818	73	124102	17.758	ug/l	94
20) Methylene Chloride	5.306	84	42635	18.704	ug/l	98
21) trans-1,2-Dichloroethene	5.800	96	41545	17.242	ug/l	93
22) Diisopropyl ether	6.683	45	101656	17.374	ug/l	95
23) Vinyl Acetate	6.618	43	468243	86.532	ug/l	99
24) 1,1-Dichloroethane	6.588	63	68169	17.782	ug/l	98
25) 2-Butanone	7.494	43	152430	94.793	ug/l	93
26) 2,2-Dichloropropane	7.494	77	66405	18.102	ug/l	99
27) cis-1,2-Dichloroethene	7.494	96	47211	16.966	ug/l	97
28) Bromochloromethane	7.824	49	30266	17.887	ug/l	96
29) Tetrahydrofuran	7.847	42	94999	91.680	ug/l	100
30) Chloroform	7.977	83	78175	18.398	ug/l	92
31) Cyclohexane	8.265	56	56666	15.460	ug/l	90
32) 1,1,1-Trichloroethane	8.177	97	71396	18.042	ug/l	96
36) 1,1-Dichloropropene	8.377	75	51720	16.774	ug/l	97
37) Ethyl Acetate	7.571	43	59385	17.916	ug/l	98
38) Carbon Tetrachloride	8.371	117	63260	18.106	ug/l	92
39) Methylcyclohexane	9.606	83	59986	16.336	ug/l	98
40) Benzene	8.612	78	163065	17.070	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087286.D
Acq On : 07 Jul 2025 11:41
Operator : JC\MD
Sample : VN0707WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	25655	16.188	ug/l		91
42) 1,2-Dichloroethane	8.677	62	57796	18.193	ug/l		97
43) Isopropyl Acetate	8.694	43	90596	17.624	ug/l		99
44) Trichloroethene	9.359	130	46018	18.129	ug/l		98
45) 1,2-Dichloropropane	9.624	63	37891	18.192	ug/l		92
46) Dibromomethane	9.712	93	32199	18.172	ug/l		99
47) Bromodichloromethane	9.888	83	61771	18.279	ug/l		97
48) Methyl methacrylate	9.682	41	37760	17.429	ug/l		99
49) 1,4-Dioxane	9.700	88	18180	412.870	ug/l	#	95
51) 4-Methyl-2-Pentanone	10.447	43	268043	85.225	ug/l		98
52) Toluene	10.629	92	108156	17.264	ug/l		100
53) t-1,3-Dichloropropene	10.835	75	62624	17.278	ug/l		94
54) cis-1,3-Dichloropropene	10.318	75	66111	17.902	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	44510	18.807	ug/l		98
56) Ethyl methacrylate	10.888	69	54219	15.637	ug/l		98
57) 1,3-Dichloropropane	11.165	76	67957	17.594	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	153622	83.831	ug/l		99
59) 2-Hexanone	11.206	43	157073	69.721	ug/l		97
60) Dibromochloromethane	11.359	129	50464	18.088	ug/l		98
61) 1,2-Dibromoethane	11.471	107	46760	18.368	ug/l		99
64) Tetrachloroethene	11.106	164	39254	17.822	ug/l		97
65) Chlorobenzene	11.888	112	126687	17.091	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.959	131	45896	17.932	ug/l		99
67) Ethyl Benzene	11.965	91	199407	16.625	ug/l		99
68) m/p-Xylenes	12.070	106	162856	33.984	ug/l		97
69) o-Xylene	12.400	106	76249	17.009	ug/l		96
70) Styrene	12.412	104	129703	17.025	ug/l		99
71) Bromoform	12.576	173	37047	18.762	ug/l	#	98
73) Isopropylbenzene	12.694	105	191734	16.852	ug/l		99
74) N-amyl acetate	12.547	43	68331m	18.263	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	67517	18.041	ug/l		99
76) 1,2,3-Trichloropropane	12.988	75	66142m	19.693	ug/l		
77) Bromobenzene	12.976	156	53035	17.857	ug/l		98
78) n-propylbenzene	13.035	91	231427	16.839	ug/l		100
79) 2-Chlorotoluene	13.123	91	138904	16.983	ug/l		100
80) 1,3,5-Trimethylbenzene	13.170	105	165602	17.413	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.741	75	22921	16.030	ug/l		98
82) 4-Chlorotoluene	13.223	91	140211	16.376	ug/l		96
83) tert-Butylbenzene	13.435	119	139376	16.728	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	163077	17.118	ug/l		98
85) sec-Butylbenzene	13.612	105	202157	17.117	ug/l		100
86) p-Isopropyltoluene	13.729	119	172565	16.999	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	102598	17.346	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	108739	17.607	ug/l		99
89) n-Butylbenzene	14.053	91	144817	16.202	ug/l		99
90) Hexachloroethane	14.329	117	32177	17.124	ug/l		98
91) 1,2-Dichlorobenzene	14.100	146	97976	17.712	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	15932	17.715	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	56123	17.157	ug/l		98
94) Hexachlorobutadiene	15.500	225	18271	17.583	ug/l		95
95) Naphthalene	15.635	128	183520	16.216	ug/l		98
96) 1,2,3-Trichlorobenzene	15.835	180	54397	17.069	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087286.D
Acq On : 07 Jul 2025 11:41
Operator : JC\MD
Sample : VN0707WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025

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

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

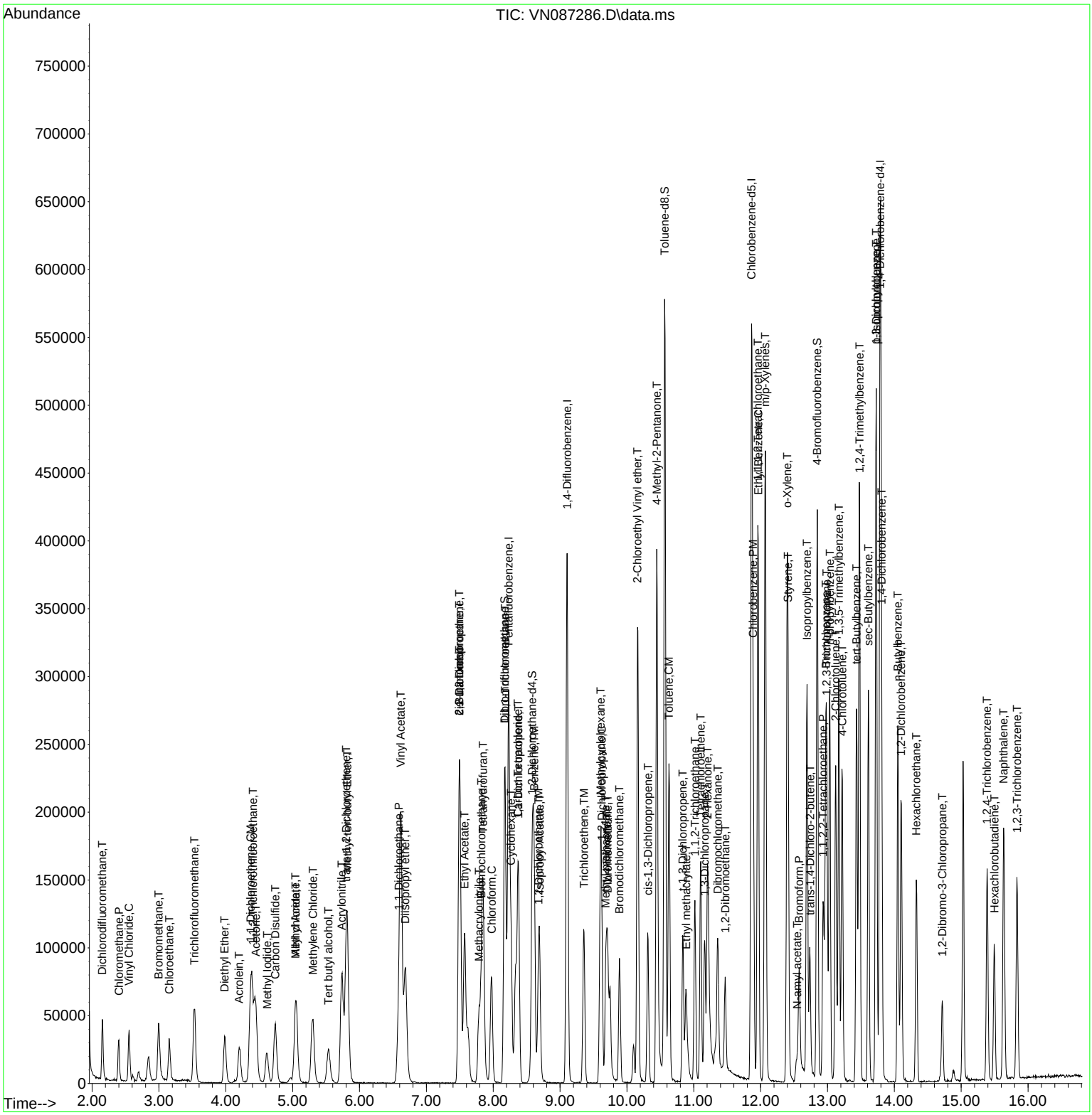
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070725\
Data File : VN087286.D
Acq On : 07 Jul 2025 11:41
Operator : JC\MD
Sample : VN0707WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 08 01:30:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0707WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 07/08/2025
Supervised By :Mahesh Dadoda 07/08/2025



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

Report of Analysis

Client:	Walsh Construction Company II, LLC	Date Collected:	
Project:	Construction of Shafts 17B-18B - PN 220084	Date Received:	
Client Sample ID:	VN0703WBSD01	SDG No.:	Q2487
Lab Sample ID:	VN0703WBSD01	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:	Date Analyzed	Prep Batch ID
VN087264.D	1	07/03/25 12:39	VN070325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	19.7		0.26	5.00	ug/L
75-35-4	1,1-Dichloroethene	18.8		0.23	5.00	ug/L
78-93-3	2-Butanone	98.2		0.98	25.0	ug/L
56-23-5	Carbon Tetrachloride	18.1		0.25	5.00	ug/L
67-66-3	Chloroform	18.8		0.25	5.00	ug/L
71-43-2	Benzene	17.5		0.15	5.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	5.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	5.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.23	5.00	ug/L
108-90-7	Chlorobenzene	17.9		0.12	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		74 - 125	103%	SPK: 50
1868-53-7	Dibromofluoromethane	49.8		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	47.7		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	210000	8.23			
540-36-3	1,4-Difluorobenzene	355000	9.106			
3114-55-4	Chlorobenzene-d5	330000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	181000	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\VN070325\
Data File : VN087264.D
Acq On : 03 Jul 2025 12:39
Operator : JC\MD
Sample : VN0703WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	210099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	355057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	330452	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180696	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	136187	51.647	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.300%			
35) Dibromofluoromethane	8.171	113	113318	49.844	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.680%			
50) Toluene-d8	10.565	98	422468	47.675	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.340%			
62) 4-Bromofluorobenzene	12.847	95	151867	48.166	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.340%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	41535	20.314	ug/l	99
3) Chloromethane	2.395	50	32418	19.526	ug/l	90
4) Vinyl Chloride	2.553	62	40290	19.739	ug/l	93
5) Bromomethane	3.001	94	34368	18.451	ug/l	93
6) Chloroethane	3.159	64	30842	19.076	ug/l	96
7) Trichlorofluoromethane	3.530	101	66666	18.822	ug/l	96
8) Diethyl Ether	3.989	74	21937	19.408	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.406	101	41051	19.963	ug/l	96
10) Methyl Iodide	4.618	142	38287	18.764	ug/l #	91
11) Tert butyl alcohol	5.536	59	46040	95.804	ug/l #	91
12) 1,1-Dichloroethene	4.365	96	36807	18.841	ug/l	99
13) Acrolein	4.206	56	39106	117.490	ug/l	97
14) Allyl chloride	5.053	41	45113	18.842	ug/l	97
15) Acrylonitrile	5.736	53	111296	93.026	ug/l	99
16) Acetone	4.447	43	104974	104.129	ug/l	97
17) Carbon Disulfide	4.742	76	103782	17.706	ug/l	99
18) Methyl Acetate	5.042	43	46439	20.122	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	130631	19.079	ug/l	100
20) Methylene Chloride	5.294	84	44083	19.740	ug/l	98
21) trans-1,2-Dichloroethene	5.818	96	42060	17.817	ug/l	99
22) Diisopropyl ether	6.683	45	103973	18.138	ug/l	93
23) Vinyl Acetate	6.618	43	486322	91.732	ug/l	98
24) 1,1-Dichloroethane	6.583	63	70478	18.765	ug/l	97
25) 2-Butanone	7.488	43	154680	98.182	ug/l	97
26) 2,2-Dichloropropane	7.500	77	66432	18.484	ug/l	98
27) cis-1,2-Dichloroethene	7.494	96	50197	18.413	ug/l	98
28) Bromochloromethane	7.824	49	31784	19.172	ug/l	100
29) Tetrahydrofuran	7.847	42	95275	93.848	ug/l	99
30) Chloroform	7.971	83	78344	18.819	ug/l	97
31) Cyclohexane	8.265	56	59609	16.599	ug/l	94
32) 1,1,1-Trichloroethane	8.177	97	71858	18.535	ug/l	98
36) 1,1-Dichloropropene	8.377	75	52396	16.948	ug/l	98
37) Ethyl Acetate	7.565	43	58229	17.521	ug/l	99
38) Carbon Tetrachloride	8.371	117	63285	18.065	ug/l	98
39) Methylcyclohexane	9.606	83	59883	16.265	ug/l	97
40) Benzene	8.612	78	167144	17.451	ug/l	95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087264.D
Acq On : 03 Jul 2025 12:39
Operator : JC\MD
Sample : VN0703WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.783	41	28992	18.245	ug/l		97
42) 1,2-Dichloroethane	8.677	62	62235	19.538	ug/l		99
43) Isopropyl Acetate	8.688	43	94419	18.319	ug/l		99
44) Trichloroethene	9.359	130	44156	17.349	ug/l		92
45) 1,2-Dichloropropane	9.618	63	38607	18.487	ug/l	#	88
46) Dibromomethane	9.712	93	32430	18.254	ug/l		98
47) Bromodichloromethane	9.888	83	62744	18.518	ug/l		99
48) Methyl methacrylate	9.688	41	38570	17.756	ug/l		99
49) 1,4-Dioxane	9.700	88	15767	359.376	ug/l	#	88
51) 4-Methyl-2-Pentanone	10.447	43	283771	89.986	ug/l		97
52) Toluene	10.629	92	112018	17.833	ug/l		99
53) t-1,3-Dichloropropene	10.841	75	67202	18.491	ug/l		90
54) cis-1,3-Dichloropropene	10.312	75	66889	18.065	ug/l		95
55) 1,1,2-Trichloroethane	11.018	97	45533	19.188	ug/l		96
56) Ethyl methacrylate	10.882	69	56144	16.149	ug/l		97
57) 1,3-Dichloropropane	11.159	76	70765	18.272	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.159	63	158022	86.003	ug/l		99
59) 2-Hexanone	11.206	43	214405m	94.917	ug/l		
60) Dibromochloromethane	11.359	129	53060	18.969	ug/l		97
61) 1,2-Dibromoethane	11.471	107	47588	18.644	ug/l		100
64) Tetrachloroethene	11.100	164	39540	17.946	ug/l		92
65) Chlorobenzene	11.888	112	132592	17.882	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.959	131	47121	18.404	ug/l		97
67) Ethyl Benzene	11.959	91	205180	17.101	ug/l		97
68) m/p-Xylenes	12.070	106	162853	33.972	ug/l		100
69) o-Xylene	12.394	106	76367	17.030	ug/l		97
70) Styrene	12.406	104	131670	17.278	ug/l		99
71) Bromoform	12.582	173	37933	19.204	ug/l	#	99
73) Isopropylbenzene	12.694	105	197201	16.937	ug/l		100
74) N-amyl acetate	12.547	43	67800m	17.708	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	70818	18.492	ug/l		97
76) 1,2,3-Trichloropropane	12.994	75	67340m	19.593	ug/l		
77) Bromobenzene	12.976	156	55144	18.144	ug/l		99
78) n-propylbenzene	13.035	91	237670	16.899	ug/l		98
79) 2-Chlorotoluene	13.123	91	140009	16.728	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	168553	17.320	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	22934	15.674	ug/l		95
82) 4-Chlorotoluene	13.217	91	145027	16.552	ug/l		98
83) tert-Butylbenzene	13.435	119	140811	16.515	ug/l		98
84) 1,2,4-Trimethylbenzene	13.482	105	169493	17.386	ug/l		99
85) sec-Butylbenzene	13.612	105	202383	16.745	ug/l		99
86) p-Isopropyltoluene	13.729	119	173754	16.725	ug/l		98
87) 1,3-Dichlorobenzene	13.729	146	108186	17.874	ug/l		97
88) 1,4-Dichlorobenzene	13.812	146	108699	17.200	ug/l		98
89) n-Butylbenzene	14.053	91	151104	16.520	ug/l		98
90) Hexachloroethane	14.335	117	33756	17.555	ug/l		95
91) 1,2-Dichlorobenzene	14.106	146	98246	17.356	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	16109	17.503	ug/l		97
93) 1,2,4-Trichlorobenzene	15.388	180	56881	16.992	ug/l		98
94) Hexachlorobutadiene	15.500	225	17062	16.046	ug/l		100
95) Naphthalene	15.635	128	191880	16.568	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	56459	17.312	ug/l		96

Sample Results: **VN087264.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087264.D
Acq On : 03 Jul 2025 12:39
Operator : JC\MD
Sample : VN0703WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025

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

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

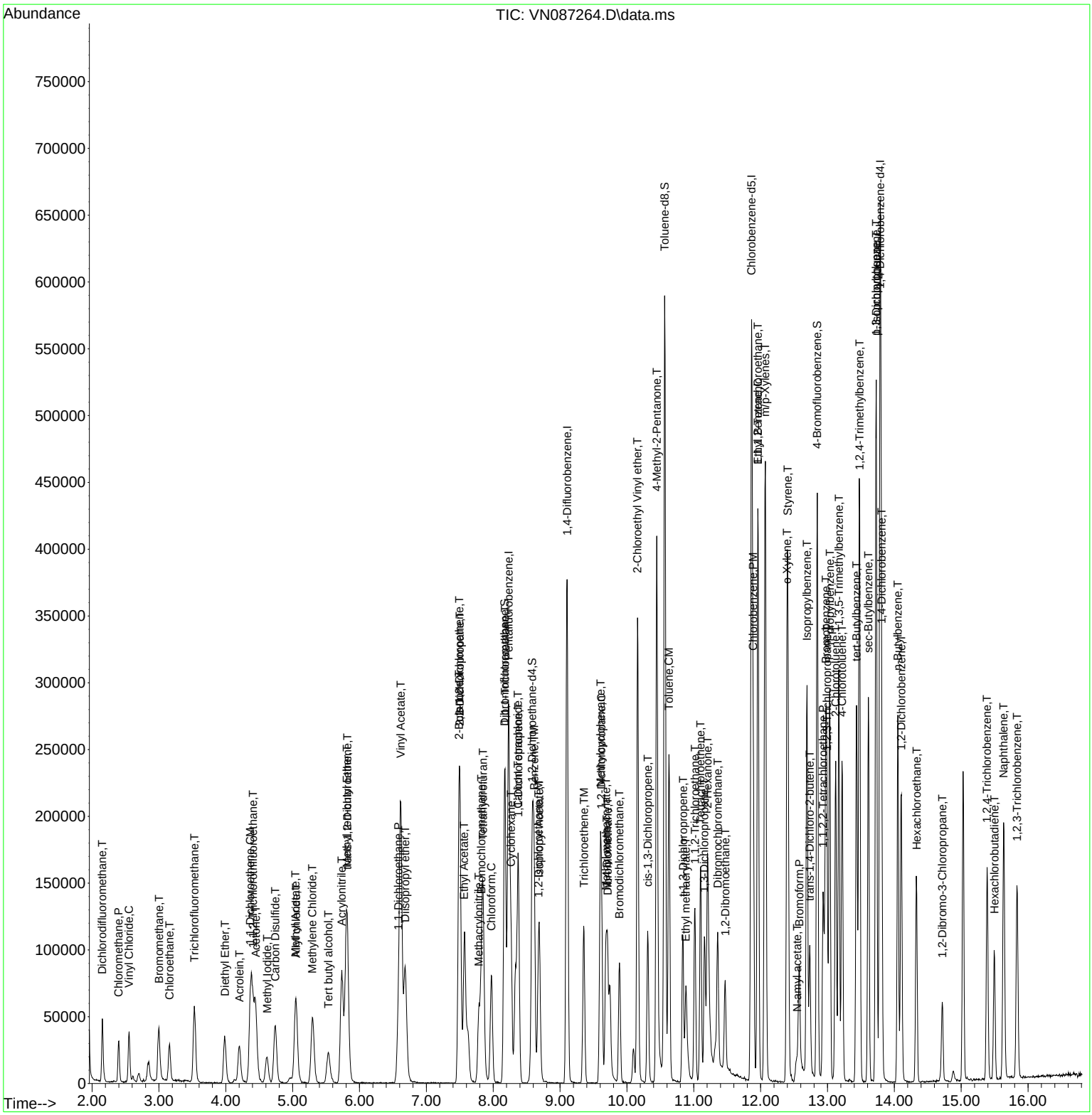
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070325\
Data File : VN087264.D
Acq On : 03 Jul 2025 12:39
Operator : JC\MD
Sample : VN0703WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 04 01:29:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
Quant Title : SW846 8260
QLast Update : Tue Jul 01 03:15:00 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0703WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/07/2025
Supervised By :Mahesh Dadoda 07/07/2025



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

Manual Integration Report

Sequence:	VN063025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087238.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:44:54 AM	MMDadoda	7/1/2025 12:23:07 PM	Peak Integrated by Software
VSTDICC001	VN087238.D	1,4-Dichlorobenzene	JOHN	7/1/2025 8:44:54 AM	MMDadoda	7/1/2025 12:23:07 PM	Peak Integrated by Software
VSTDICC001	VN087238.D	4-Methyl-2-Pentanone	JOHN	7/1/2025 8:44:54 AM	MMDadoda	7/1/2025 12:23:07 PM	Peak Integrated by Software
VSTDICC001	VN087238.D	Acrylonitrile	JOHN	7/1/2025 8:44:54 AM	MMDadoda	7/1/2025 12:23:07 PM	Peak Integrated by Software
VSTDICC001	VN087238.D	Methyl Acetate	JOHN	7/1/2025 8:44:54 AM	MMDadoda	7/1/2025 12:23:07 PM	Peak Integrated by Software
VSTDICC005	VN087239.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:44:58 AM	MMDadoda	7/1/2025 12:23:08 PM	Peak Integrated by Software
VSTDICC005	VN087239.D	2-Hexanone	JOHN	7/1/2025 8:44:58 AM	MMDadoda	7/1/2025 12:23:08 PM	Peak Integrated by Software
VSTDICC005	VN087239.D	Ethyl methacrylate	JOHN	7/1/2025 8:44:58 AM	MMDadoda	7/1/2025 12:23:08 PM	Peak Integrated by Software
VSTDICC005	VN087239.D	N-amyl acetate	JOHN	7/1/2025 8:44:58 AM	MMDadoda	7/1/2025 12:23:08 PM	Peak Integrated by Software
VSTDICC020	VN087240.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:45:02 AM	MMDadoda	7/1/2025 12:23:10 PM	Peak Integrated by Software
VSTDICC020	VN087240.D	N-amyl acetate	JOHN	7/1/2025 8:45:02 AM	MMDadoda	7/1/2025 12:23:10 PM	Peak Integrated by Software
VSTDICCC050	VN087241.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:45:07 AM	MMDadoda	7/1/2025 12:23:11 PM	Peak Integrated by Software
VSTDICC100	VN087242.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:45:11 AM	MMDadoda	7/1/2025 12:23:13 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN063025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC150	VN087243.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:45:16 AM	MMDadoda	7/1/2025 12:23:14 PM	Peak Integrated by Software
VSTDICV050	VN087246.D	1,2,3-Trichloropropane	JOHN	7/1/2025 8:45:21 AM	MMDadoda	7/1/2025 12:23:16 PM	Peak Integrated by Software
VSTDICV050	VN087246.D	N-amyl acetate	JOHN	7/1/2025 8:45:21 AM	MMDadoda	7/1/2025 12:23:16 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN070325	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087260.D	1,2,3-Trichloropropane	JOHN	7/7/2025 8:52:16 AM	MMDadoda	7/7/2025 10:34:01 AM	Peak Integrated by Software
VN0703WBS01	VN087263.D	1,2,3-Trichloropropane	JOHN	7/7/2025 8:52:22 AM	MMDadoda	7/7/2025 10:34:04 AM	Peak Integrated by Software
VN0703WBS01	VN087263.D	2-Hexanone	JOHN	7/7/2025 8:52:22 AM	MMDadoda	7/7/2025 10:34:04 AM	Peak Integrated by Software
VN0703WBS01	VN087263.D	N-amyl acetate	JOHN	7/7/2025 8:52:22 AM	MMDadoda	7/7/2025 10:34:04 AM	Peak Integrated by Software
VN0703WBSD01	VN087264.D	1,2,3-Trichloropropane	JOHN	7/7/2025 8:52:28 AM	MMDadoda	7/7/2025 10:34:08 AM	Peak Integrated by Software
VN0703WBSD01	VN087264.D	2-Hexanone	JOHN	7/7/2025 8:52:28 AM	MMDadoda	7/7/2025 10:34:08 AM	Peak Integrated by Software
VN0703WBSD01	VN087264.D	N-amyl acetate	JOHN	7/7/2025 8:52:28 AM	MMDadoda	7/7/2025 10:34:08 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN070725	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087282.D	1,2,3-Trichloropropane	JOHN	7/8/2025 8:38:18 AM	MMDadoda	7/8/2025 3:36:39 PM	Peak Integrated by Software
VSTDCCC050	VN087282.D	N-amyl acetate	JOHN	7/8/2025 8:38:18 AM	MMDadoda	7/8/2025 3:36:39 PM	Peak Integrated by Software
VN0707WBS02	VN087286.D	1,2,3-Trichloropropane	JOHN	7/8/2025 8:38:27 AM	MMDadoda	7/8/2025 3:36:41 PM	Peak Integrated by Software
VN0707WBS02	VN087286.D	N-amyl acetate	JOHN	7/8/2025 8:38:27 AM	MMDadoda	7/8/2025 3:36:41 PM	Peak Integrated by Software
Q2487-23	VN087290.D	Ethyl Acetate	JOHN	7/8/2025 8:38:32 AM	MMDadoda	7/8/2025 3:36:43 PM	Peak Integrated by Software
VSTDCCC050	VN087293.D	1,2,3-Trichloropropane	JOHN	7/8/2025 8:38:37 AM	MMDadoda	7/8/2025 3:36:44 PM	Peak Integrated by Software
VSTDCCC050	VN087293.D	N-amyl acetate	JOHN	7/8/2025 8:38:37 AM	MMDadoda	7/8/2025 3:36:44 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN063025

Review By	John Carlone	Review On	7/1/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/1/2025 12:23:22 PM		
SubDirectory	VN063025	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134566
Initial Calibration Stds	VP134571,VP134572,VP134573,VP134574,VP134575,VP134576
CCC	VP134567
Internal Standard/PEM	
ICV/I.BLK	VP134577
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087234.D	30 Jun 2025 09:26	JC\MD	Ok
2	VSTDCCC050	VN087235.D	30 Jun 2025 11:12	JC\MD	Not Ok
3	IBLK	VN087236.D	30 Jun 2025 11:46	JC\MD	Ok
4	IBLK	VN087237.D	30 Jun 2025 12:07	JC\MD	Ok
5	VSTDICC001	VN087238.D	30 Jun 2025 12:28	JC\MD	Ok,M
6	VSTDICC005	VN087239.D	30 Jun 2025 13:26	JC\MD	Ok,M
7	VSTDICC020	VN087240.D	30 Jun 2025 13:47	JC\MD	Ok,M
8	VSTDICCC050	VN087241.D	30 Jun 2025 14:09	JC\MD	Ok,M
9	VSTDICC100	VN087242.D	30 Jun 2025 14:30	JC\MD	Ok,M
10	VSTDICC150	VN087243.D	30 Jun 2025 14:51	JC\MD	Ok,M
11	IBLK	VN087244.D	30 Jun 2025 15:12	JC\MD	Ok
12	IBLK	VN087245.D	30 Jun 2025 15:33	JC\MD	Ok
13	VSTDICV050	VN087246.D	30 Jun 2025 16:37	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN070325

Review By	John Carlone	Review On	7/7/2025 9:04:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/7/2025 2:13:21 PM		
SubDirectory	VN070325	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134624
Initial Calibration Stds	
CCC	VP134625,VP134626
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087259.D	03 Jul 2025 10:17	JC\MD	Ok
2	VSTDCCC050	VN087260.D	03 Jul 2025 10:50	JC\MD	Ok,M
3	VN0703MBL01	VN087261.D	03 Jul 2025 11:24	JC\MD	Ok
4	VN0703WBL01	VN087262.D	03 Jul 2025 11:44	JC\MD	Ok
5	VN0703WBS01	VN087263.D	03 Jul 2025 12:05	JC\MD	Ok,M
6	VN0703WBSD01	VN087264.D	03 Jul 2025 12:39	JC\MD	Ok,M
7	PB168727TB	VN087265.D	03 Jul 2025 13:00	JC\MD	Ok
8	PB168690TB	VN087266.D	03 Jul 2025 13:21	JC\MD	Ok
9	Q2487-17	VN087267.D	03 Jul 2025 13:42	JC\MD	Ok,M
10	Q2487-18	VN087268.D	03 Jul 2025 14:03	JC\MD	Ok
11	Q2487-19	VN087269.D	03 Jul 2025 14:24	JC\MD	Ok
12	Q2487-20	VN087270.D	03 Jul 2025 14:45	JC\MD	Ok
13	Q2487-21	VN087271.D	03 Jul 2025 15:06	JC\MD	Ok
14	Q2487-22	VN087272.D	03 Jul 2025 15:27	JC\MD	Ok
15	Q2487-23	VN087273.D	03 Jul 2025 15:49	JC\MD	Ok
16	Q2487-24	VN087274.D	03 Jul 2025 16:10	JC\MD	Ok
17	Q2478-04	VN087275.D	03 Jul 2025 16:31	JC\MD	Ok
18	Q2487-17	VN087276.D	03 Jul 2025 16:52	JC\MD	Ok
19	Q2487-18	VN087277.D	03 Jul 2025 17:13	JC\MD	Ok
20	Q2487-19	VN087278.D	03 Jul 2025 17:35	JC\MD	Ok
21	Q2487-20	VN087279.D	03 Jul 2025 17:56	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN070325

Review By	John Carlone	Review On	7/7/2025 9:04:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/7/2025 2:13:21 PM		
SubDirectory	VN070325	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134624
Initial Calibration Stds	
CCC	VP134625,VP134626
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2487-21	VN087280.D	07 Jul 2025 07:39	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN070725

Review By	John Carlone	Review On	7/8/2025 8:39:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/8/2025 3:37:02 PM		
SubDirectory	VN070725	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134650
Initial Calibration Stds	
CCC	VP134651,VP134652
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087281.D	07 Jul 2025 08:41	JC\MD	Ok
2	VSTDCCC050	VN087282.D	07 Jul 2025 09:48	JC\MD	Ok,M
3	VN0707MBL01	VN087283.D	07 Jul 2025 10:24	JC\MD	Ok
4	VN0707WBL01	VN087284.D	07 Jul 2025 10:45	JC\MD	Ok
5	VN0707WBS01	VN087285.D	07 Jul 2025 11:06	JC\MD	Not Ok
6	VN0707WBS02	VN087286.D	07 Jul 2025 11:41	JC\MD	Ok,M
7	Q2487-20	VN087287.D	07 Jul 2025 12:02	JC\MD	Ok
8	Q2487-21	VN087288.D	07 Jul 2025 12:23	JC\MD	Ok
9	Q2487-22	VN087289.D	07 Jul 2025 12:44	JC\MD	Ok
10	Q2487-23	VN087290.D	07 Jul 2025 13:05	JC\MD	Ok,M
11	Q2487-24	VN087291.D	07 Jul 2025 13:26	JC\MD	Ok
12	Q2493-04	VN087292.D	07 Jul 2025 13:47	JC\MD	Ok
13	VSTDCCC050	VN087293.D	07 Jul 2025 16:18	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN063025

Review By	John Carlone	Review On	7/1/2025 8:45:40 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/1/2025 12:23:22 PM		
SubDirectory	VN063025	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134566
Initial Calibration Stds	VP134571,VP134572,VP134573,VP134574,VP134575,VP134576
CCC	VP134567
Internal Standard/PEM	
ICV/I.BLK	VP134577
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087234.D	30 Jun 2025 09:26		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087235.D	30 Jun 2025 11:12	Need ICAL	JC\MD	Not Ok
3	IBLK	IBLK	VN087236.D	30 Jun 2025 11:46		JC\MD	Ok
4	IBLK	IBLK	VN087237.D	30 Jun 2025 12:07		JC\MD	Ok
5	VSTDICC001	VSTDICC001	VN087238.D	30 Jun 2025 12:28	Com.#56,59,74 Deleted in 1PPB	JC\MD	Ok,M
6	VSTDICC005	VSTDICC005	VN087239.D	30 Jun 2025 13:26		JC\MD	Ok,M
7	VSTDICC020	VSTDICC020	VN087240.D	30 Jun 2025 13:47		JC\MD	Ok,M
8	VSTDICCC050	VSTDICCC050	VN087241.D	30 Jun 2025 14:09	Com.#49 is on LR	JC\MD	Ok,M
9	VSTDICC100	VSTDICC100	VN087242.D	30 Jun 2025 14:30		JC\MD	Ok,M
10	VSTDICC150	VSTDICC150	VN087243.D	30 Jun 2025 14:51		JC\MD	Ok,M
11	IBLK	IBLK	VN087244.D	30 Jun 2025 15:12		JC\MD	Ok
12	IBLK	IBLK	VN087245.D	30 Jun 2025 15:33		JC\MD	Ok
13	VSTDICV050	ICVVN063025	VN087246.D	30 Jun 2025 16:37		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN070325

Review By	John Carlone	Review On	7/7/2025 9:04:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/7/2025 2:13:21 PM		
SubDirectory	VN070325	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134624
Initial Calibration Stds	
CCC	VP134625,VP134626
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	VN087259.D	03 Jul 2025 10:17		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087260.D	03 Jul 2025 10:50	pH#Lot#V12668	JC\MD	Ok,M
3	VN0703MBL01	VN0703MBL01	VN087261.D	03 Jul 2025 11:24		JC\MD	Ok
4	VN0703WBL01	VN0703WBL01	VN087262.D	03 Jul 2025 11:44		JC\MD	Ok
5	VN0703WBS01	VN0703WBS01	VN087263.D	03 Jul 2025 12:05		JC\MD	Ok,M
6	VN0703WBSD01	VN0703WBSD01	VN087264.D	03 Jul 2025 12:39		JC\MD	Ok,M
7	PB168727TB	PB168727TB	VN087265.D	03 Jul 2025 13:00		JC\MD	Ok
8	PB168690TB	PB168690TB	VN087266.D	03 Jul 2025 13:21		JC\MD	Ok
9	Q2487-17	G4(1.5)	VN087267.D	03 Jul 2025 13:42	vial A pH#6.0 SPLP sample	JC\MD	Ok,M
10	Q2487-18	G4(10)	VN087268.D	03 Jul 2025 14:03	vial A pH#6.0 SPLP sample	JC\MD	Ok
11	Q2487-19	G3(9)	VN087269.D	03 Jul 2025 14:24	vial A pH#6.0 SPLP sample	JC\MD	Ok
12	Q2487-20	G3(3)	VN087270.D	03 Jul 2025 14:45	vial A pH#6.0 SPLP sample	JC\MD	Ok
13	Q2487-21	G2(2.5)	VN087271.D	03 Jul 2025 15:06	vial A pH#6.0 SPLP sample	JC\MD	Ok
14	Q2487-22	G2(9)	VN087272.D	03 Jul 2025 15:27	vial A pH#6.0 SPLP sample	JC\MD	Ok
15	Q2487-23	G1(10)	VN087273.D	03 Jul 2025 15:49	vial A pH#6.0 SPLP sample	JC\MD	Ok
16	Q2487-24	G1(4.5)	VN087274.D	03 Jul 2025 16:10	vial A pH#6.0 SPLP sample	JC\MD	Ok
17	Q2478-04	WC-1	VN087275.D	03 Jul 2025 16:31	vial A pH#5.0	JC\MD	Ok
18	Q2487-17	G4(1.5)	VN087276.D	03 Jul 2025 16:52	vial A pH#5.0 TCLP sample	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN070325

Review By	John Carlone	Review On	7/7/2025 9:04:06 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/7/2025 2:13:21 PM		
SubDirectory	VN070325	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134624
Initial Calibration Stds	
CCC	VP134625,VP134626
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2487-18	G4(10)	VN087277.D	03 Jul 2025 17:13	vial A pH#5.0 TCLP sample	JC\MD	Ok
20	Q2487-19	G3(9)	VN087278.D	03 Jul 2025 17:35	vial A pH#5.0 TCLP sample	JC\MD	Ok
21	Q2487-20	G3(3)	VN087279.D	03 Jul 2025 17:56	Run not finished due to power outage	JC\MD	Not Ok
22	Q2487-21	G2(2.5)	VN087280.D	07 Jul 2025 07:39	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 # VN070725

Review By	John Carlone	Review On	7/8/2025 8:39:58 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/8/2025 3:37:02 PM		
SubDirectory	VN070725	HP Acquire Method		HP Processing Method	82N063025W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134650
Initial Calibration Stds	
CCC	VP134651,VP134652
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	VN087281.D	07 Jul 2025 08:41		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087282.D	07 Jul 2025 09:48	pH#Lot#V12668	JC\MD	Ok,M
3	VN0707MBL01	VN0707MBL01	VN087283.D	07 Jul 2025 10:24		JC\MD	Ok
4	VN0707WBL01	VN0707WBL01	VN087284.D	07 Jul 2025 10:45		JC\MD	Ok
5	VN0707WBS01	VN0707WBS01	VN087285.D	07 Jul 2025 11:06	Recovery failed	JC\MD	Not Ok
6	VN0707WBS02	VN0707WBS02	VN087286.D	07 Jul 2025 11:41		JC\MD	Ok,M
7	Q2487-20	G3(3)	VN087287.D	07 Jul 2025 12:02	vial A pH#5.0 TCLP sample	JC\MD	Ok
8	Q2487-21	G2(2.5)	VN087288.D	07 Jul 2025 12:23	vial A pH#5.0 TCLP sample	JC\MD	Ok
9	Q2487-22	G2(9)	VN087289.D	07 Jul 2025 12:44	vial A pH#5.0 TCLP sample	JC\MD	Ok
10	Q2487-23	G1(10)	VN087290.D	07 Jul 2025 13:05	vial A pH#5.0 TCLP sample	JC\MD	Ok,M
11	Q2487-24	G1(4.5)	VN087291.D	07 Jul 2025 13:26	vial A pH#5.0 TCLP sample	JC\MD	Ok
12	Q2493-04	WC-11	VN087292.D	07 Jul 2025 13:47	vial A pH#5.0	JC\MD	Ok
13	VSTDCCC050	VSTDCCC050EC	VN087293.D	07 Jul 2025 16:18		JC\MD	Ok,M

M : Manual Integration

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TCLP EXTRACTION LOGPAGE

PB168690

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

TCLP Filter ID : 50223706

Start Prep Date : 07/02/2025 **Time :** 15:00

End Prep Date : 07/03/2025 **Time :** 08:20

Combination Ratio : 20

ZHE Cleaning Batch : N/A

Initial Room Temperature: 24 °C

Final Room Temperature: 22 °C

TCLP Technician Signature : JP

Supervisor By : JC

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:

TUMBLER ZHE-1 cheked, 30 rpm. ALL ZHE samples are extracted and given as vial A & B. Leak checked after 10 minutes of tumbling.

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
07/03/25 11:00	JP ICP Room	JC IVDC Lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

TCLP EXTRACTION LOGPAGE

PB168690

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
PB168690TB	LEB690	11	N/A	500	N/A	N/A	N/A	4.94	N/A	ZHE-2
Q2478-04	WC-1	01	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-17	G4(1.5)	02	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-18	G4(10)	03	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-19	G3(9)	04	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-20	G3(3)	05	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-21	G2(2.5)	06	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-22	G2(9)	07	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-23	G1(10)	08	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2487-24	G1(4.5)	09	25.02	500	N/A	N/A	N/A	N/A	N/A	ZHE-1
Q2493-04	WC-11	10	25.03	500	N/A	N/A	N/A	N/A	N/A	ZHE-1

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TCLP Solid Determination

PB168690

SampleID	ClientID	Sample Weight (g)	Filter Weight (g)	Filtrate (mL)	Filter + Solid (After 100°C)	% solids	% Dry Solids
PB168690TB	LEB690	N/A	N/A	N/A	N/A	N/A	N/A
Q2478-04	WC-1	N/A	N/A	N/A	N/A	100	N/A
Q2487-17	G4(1.5)	N/A	N/A	N/A	N/A	100	N/A
Q2487-18	G4(10)	N/A	N/A	N/A	N/A	100	N/A
Q2487-19	G3(9)	N/A	N/A	N/A	N/A	100	N/A
Q2487-20	G3(3)	N/A	N/A	N/A	N/A	100	N/A
Q2487-21	G2(2.5)	N/A	N/A	N/A	N/A	100	N/A
Q2487-22	G2(9)	N/A	N/A	N/A	N/A	100	N/A
Q2487-23	G1(10)	N/A	N/A	N/A	N/A	100	N/A
Q2487-24	G1(4.5)	N/A	N/A	N/A	N/A	100	N/A
Q2493-04	WC-11	N/A	N/A	N/A	N/A	100	N/A

WORKLIST(Hardcopy Internal Chain)

WorkList Name : tclp zhe q2491 **WorkList ID :** 190515 **Department :** TCLP Extraction **Date :** 07-02-2025 13:46:19

Sample	Customer Sample	Matrix	Test	Preservative	Customer	Raw Sample Storage Location	Collect Date	Method
Q2478-04	WC-1	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	A42	07/30/2025	1311 ZHE
Q2487-17	G4(1.5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-18	G4(10)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-19	G3(9)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-20	G3(3)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-21	G2(2.5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-22	G2(9)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-23	G1(10)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2487-24	G1(4.5)	Solid	TCLP ZHE Extraction	Cool 4 deg C	WALS01	--Sele	07/01/2025	1311 ZHE
Q2493-04	WC-11	Solid	TCLP ZHE Extraction	Cool 4 deg C	PSEG03	A43	07/02/2025	1311 ZHE

Date/Time 07/02/25 13:55
Raw Sample Received by: JD (WE)
Raw Sample Relinquished by: JD (SM)

Date/Time 07/02/25 17:30
Raw Sample Received by: JD (SM)
Raw Sample Relinquished by: JD (WE)

SHIPPING DOCUMENTS

Alliance TECHNICAL GROUP

284 Sheffield Street, Mountainside, NJ 07092
(908) 789-8900 • Fax (908) 789-8922
www.chemtech.net

ALLIANCE PROJECT NO. Q2487
QUOTE NO.
COC Number 2046744

CLIENT INFORMATION

REPORT TO BE SENT TO:

COMPANY: Walsh Construction
ADDRESS: 150 Clove Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Benie Dion Gokan
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shafts 17B+18B
PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clove Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): ______ DAYS*
EDD: STANDARD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- [x] Level 1 (Results Only)
- ☐ Level 2 (Results + QC)
- ☐ Level 3 (Results + QC + Raw Data)
- ☐ Level 4 (QC + Full Raw Data)
- ☐ NJ Reduced
- ☐ US EPA CLP
- ☐ NYS ASP A
- ☐ NYS ASP B
- ☐ Other
- ☐ EDD FORMAT

ANALYSIS

1. TCL VOCs + TICs, TCLP + SPLP VOCs
2. TCL SVOCs + TICs
3. TAL Metals + Mercury (RCRA + Be, Cu, Ni, Zn, V)
4. Total Cyanide, Tri + Hex Chromium
5. Pest | Herb | PCB
6. SPLP Metals, SVOCs, Pest, Herb
7. TCLP Metals, SVOCs, Pest, Herb
8. NJ EPH TPH (GRO & DRO)
9. RCRA Characteristics (Ignit, Corros, Reactive Sulfide/Cyanide)

* See add'l analyses in comments

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (F+E)	2 (E)	3 (E)	4 (E)	5 (E)	6 (E)	7 (E)	8 (E)	9 (E)	COMMENTS
1.	G4(1.5)	Soil		X	7/1/25	1025	6	X									3x vials (terracore set)
2.	G4(10)	↓		X	↓	1045	↓	X									+ 2x encores +
3.	G3(9)			X		1150		X									1x plastic
4.	G3(3)			X		1200		X									↓
5.	G2(2.5)			X		1325		X									
6.	G2(9)			X		1330		X									
7.	G1(4.5)			X		1430		X									3x vials (terracore set)
8.	G1(10)			X		1440	↓	X									1x8oz + 1x plastic + 1x encore
9.	G4(0-6)		X			1100	7		X	X	X	X	X	X	X	X	7x 8oz jars
10.	G4(6-12)	↓	X		↓	1110	↓		X	X	X	X	X	X	X	X	↓

Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER (methanol)

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

RELINQUISHED BY SAMPLER	DATE/TIME	RECEIVED BY
1. [signature]	7/1/25 1600	1. Benie DG
2. Benie DG	7-1-25 1600	2. [signature] 7-1-25 1600
3. [signature]	7-1-25 1818	3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.3 °C

Comments: Full analyte list in B. Gokan email on 6/26/25 to J. Hedvat
See Bottle Order # B2506068 + B2506069
Add'l analyses - Paint Filter, Organic Content by LOI, TS, TVS, Ammonia Nitrogen, COD, Oil & Grease

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CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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www.chemtech.net

ALLIANCE PROJECT NO. Q2487
QUOTE NO.
COC Number 2047536

CLIENT INFORMATION

REPORT TO BE SENT TO:
COMPANY: Walsh Construction
ADDRESS: 150 Clove Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Bernie Dion Gokon
PHONE: 646-285-7234 FAX:

CLIENT PROJECT INFORMATION

PROJECT NAME: Construction of Shafts 17B+18B
PROJECT NO.: 220084 LOCATION: Queens, NY
PROJECT MANAGER: Jesse Sylvestri
e-mail: jsylvestri@walshgroup.com
PHONE: 201-681-9740 FAX:

CLIENT BILLING INFORMATION

BILL TO: Walsh Construction PO#:
ADDRESS: 150 Clove Rd, 11th Floor
CITY Little Falls STATE: NJ ZIP: 07424
ATTENTION: Jesse Sylvestri PHONE: 201-681-9740

DATA TURNAROUND INFORMATION

FAX (RUSH) ______ DAYS*
HARDCOPY (DATA PACKAGE): ______ DAYS*
EDD: STANDARD TAT DAYS*
*TO BE APPROVED BY CHEMTECH
STANDARD HARDCOPY TURNAROUND TIME IS 10 BUSINESS

DATA DELIVERABLE INFORMATION

- [X] Level 1 (Results Only)
- [ ] Level 2 (Results + QC)
- [ ] Level 3 (Results + QC + Raw Data)
- [ ] EDD FORMAT
- [ ] Level 4 (QC + Full Raw Data)
- [ ] NJ Reduced
- [ ] US EPA CLP
- [ ] NYS ASP A
- [ ] NYS ASP B
- [ ] Other

ANALYSIS

1. TCL VOCs + TICs, TCLP + SPLP VOCs
2. TCL SVOCs + TICs
3. TAL Metals + Mercury (RCRA + Be, Cu, Ni, Zn, V)
4. Total Cyanide, Triv Hex Chromium
5. Pest/Herb/PCB
6. SPLP VOCs, SVOCs, Metals, Pest, Herb
7. TCLP VOCs, SVOCs, Metals, Pest, Herb
8. NJ EPH
9. TPH (DRO + GRO), RCRA Characteristics (Ignit, Corros, Reactivity) (Cyanide & Sulfide)

*see add'l analyses in comments

ALLIANCE SAMPLE ID	PROJECT SAMPLE IDENTIFICATION	SAMPLE MATRIX	SAMPLE TYPE COMP	SAMPLE TYPE GRAB	SAMPLE COLLECTION DATE	SAMPLE COLLECTION TIME	# OF BOTTLES	1 (F+E)	2 (E)	3 (E)	4 (E)	5 (E)	6 (E)	7 (E)	8 (E)	9 (E)	COMMENTS (Specify Preservatives: A-HCl, B-HNO3, C-H2SO4, D-NaOH, E-ICE, F-OTHER (methanol))
1.	G3 (0-6)	Soil	X		7/1/25	1235	7		X	X	X	X	X	X	X	X	7 x 8 oz jars
2.	G3 (6-12)	↓	↓		↓	1245	↓										
3.	G2 (0-6)					1350											
4.	G2 (6-12)					1400											
5.	G1 (0-6)					1410											
6.	G1 (6-12)	↓	↓		↓	1420	↓										
7.																	
8.																	
9.																	
10.																	

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

RELINQUISHED BY SAMPLER:	DATE/TIME:	RECEIVED BY:
1. [signature]	7/1/25 1600	1. Bernie DG
2. Bernie DG	7-1-25	2. [signature] 7-1-25 1600
3. [signature]		3.

Conditions of bottles or coolers at receipt: ☐ COMPLIANT ☐ NON COMPLIANT ☐ COOLER TEMP 3.5 °C

Comments: Full analyte list in B. Gokon email on 6/26/25 to J. Hochvat
See Bottle Order #B2506068 & B2506069
Add'l analyses - Paint filter, Organic Content by LOI, TS, TVS, Ammonia & Nitrogen, COD, Oil & Grease

Page 2 of 2

CLIENT: ☐ Hand Delivered ☐ Other

Shipment Complete ☐ YES ☐ NO

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

Laboratory Certification

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

QA Control Code: A2070148

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487 WALS01
Client Name : Walsh Construction Compa
Client Contact : Jesse A. Sylvestri
Invoice Name : Walsh Construction Compa
Invoice Contact : Jesse A. Sylvestri

Order Date : 7/2/2025 10:05:00 AM
Project Name : Construction of Shafts 17B-
Receive DateTime : 7/1/2025 4:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD	FAX DATE	DUE DATES
Q2487-01	G4(1.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-02	G4(10)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-03	G3(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-04	G3(3)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-05	G2(2.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-06	G2(9)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-07	G1(4.5)	Solid	07/01/2025	10:25					
					VOC-TCLVOA-10		8260D		10 Bus. Days
Q2487-08	G1(10)	Solid	07/01/2025	10:25					

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

LOGIN REPORT/SAMPLE TRANSFER

Order ID : Q2487 WALS01
Client Name : Walsh Construction Compa
Client Contact : Jesse A. Sylvestri
Invoice Name : Walsh Construction Compa
Invoice Contact : Jesse A. Sylvestri

Order Date : 7/2/2025 10:05:00 AM
Project Name : Construction of Shafts 17B-
Receive DateTime : 7/1/2025 4:00:00 PM
Purchase Order :

Project Mgr :
Report Type : Level 2
EDD Type : Excel NY
Hard Copy Date :
Date Signoff :

LAB ID	CLIENT ID	MATRIX	SAMPLE DATE	SAMPLE TIME	TEST	TEST GROUP	METHOD		FAX DATE	DUE DATES
					VOC-TCLVOA-10		8260D	10 Bus. Days		

Relinguished By :
Date / Time : 7/2/25 15:45

Received By :
Date / Time : 07/02/25 15:45
Storage Area : VOA Refridgerator Room