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

Hit Summary Sheet
SW-846

SDG No.: Q2646

Client: Environmental Restoration, LLC

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**FRAC TANK**								
Q2646-01	FRAC TANK	Water	Acetone		230		7.60	130	ug/L
Q2646-01	FRAC TANK	Water	Carbon Disulfide		8.70	J	1.10	25.0	ug/L
Q2646-01	FRAC TANK	Water	Methyl Acetate		7.50	J	1.40	25.0	ug/L
Q2646-01	FRAC TANK	Water	2-Butanone		1600		4.90	130	ug/L
Q2646-01	FRAC TANK	Water	m/p-Xylenes		9.00	J	1.20	50.0	ug/L
Q2646-01	FRAC TANK	Water	o-Xylene		5.30	J	0.60	25.0	ug/L
			Total Voc :		1860				
Q2646-01	FRAC TANK	Water	Ethanol	*	170	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Hexanal	*	170	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Propanol	*	330	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Butanol	*	69.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Pentane	*	84.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Dodecane	*	58.6	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Tridecane	*	75.2	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	1-Phenyl-1-butene	*	42.5	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	2-Butanol, (R)-	*	910	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	2-Heptenal, (E)-	*	77.0	J	0	0	ug/L
Q2646-01	FRAC TANK	Water	Ethyl Acetate	*	38.2	J	1.60	25.0	ug/L
Q2646-01	FRAC TANK	Water	1,3,5-Trimethylbenzene	*	5.50	J	0.75	25.0	ug/L
Q2646-01	FRAC TANK	Water	1,2,4-Trimethylbenzene	*	28.3	J	0.70	25.0	ug/L
Q2646-01	FRAC TANK	Water	Naphthalene	*	8.20	J	1.00	25.0	ug/L
			Total Tics :		2070				
			Total Concentration:		3930				

SAMPLE DATA

Raw Data: **VN087373.D**

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	25.0	ug/L
74-87-3	Chloromethane	1.60	U	1.60	25.0	ug/L
75-01-4	Vinyl Chloride	1.30	U	1.30	25.0	ug/L
74-83-9	Bromomethane	7.20	U	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	U	2.40	25.0	ug/L
75-69-4	Trichlorofluoromethane	1.70	U	1.70	25.0	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	25.0	ug/L
75-35-4	1,1-Dichloroethene	1.20	U	1.20	25.0	ug/L
67-64-1	Acetone	230		7.60	130	ug/L
75-15-0	Carbon Disulfide	8.70	J	1.10	25.0	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	U	0.80	25.0	ug/L
79-20-9	Methyl Acetate	7.50	J	1.40	25.0	ug/L
75-09-2	Methylene Chloride	1.40	U	1.40	25.0	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	U	1.20	25.0	ug/L
75-34-3	1,1-Dichloroethane	1.20	U	1.20	25.0	ug/L
110-82-7	Cyclohexane	7.30	U	7.30	25.0	ug/L
78-93-3	2-Butanone	1600		4.90	130	ug/L
56-23-5	Carbon Tetrachloride	1.30	U	1.30	25.0	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	U	0.95	25.0	ug/L
74-97-5	Bromochloromethane	1.10	U	1.10	25.0	ug/L
67-66-3	Chloroform	1.30	U	1.30	25.0	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	U	1.00	25.0	ug/L
108-87-2	Methylcyclohexane	0.80	U	0.80	25.0	ug/L
71-43-2	Benzene	0.75	U	0.75	25.0	ug/L
107-06-2	1,2-Dichloroethane	1.10	U	1.10	25.0	ug/L
79-01-6	Trichloroethene	0.47	U	0.47	25.0	ug/L
78-87-5	1,2-Dichloropropane	1.00	U	1.00	25.0	ug/L
75-27-4	Bromodichloromethane	1.10	U	1.10	25.0	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	U	3.40	130	ug/L
108-88-3	Toluene	0.70	U	0.70	25.0	ug/L

Raw Data: **VN087373.D**

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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	U	0.85	25.0	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	U	0.80	25.0	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	25.0	ug/L
591-78-6	2-Hexanone	4.50	U	4.50	130	ug/L
124-48-1	Dibromochloromethane	0.90	U	0.90	25.0	ug/L
106-93-4	1,2-Dibromoethane	0.75	U	0.75	25.0	ug/L
127-18-4	Tetrachloroethene	1.20	U	1.20	25.0	ug/L
108-90-7	Chlorobenzene	0.60	U	0.60	25.0	ug/L
100-41-4	Ethyl Benzene	0.65	U	0.65	25.0	ug/L
179601-23-1	m/p-Xylenes	9.00	J	1.20	50.0	ug/L
95-47-6	o-Xylene	5.30	J	0.60	25.0	ug/L
100-42-5	Styrene	0.75	U	0.75	25.0	ug/L
75-25-2	Bromoform	0.95	U	0.95	25.0	ug/L
98-82-8	Isopropylbenzene	0.60	U	0.60	25.0	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	U	1.30	25.0	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	U	0.80	25.0	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	U	0.95	25.0	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	U	0.80	25.0	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	U	2.70	25.0	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	U	1.00	25.0	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	U	1.00	25.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.3		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	52.0		70 (86) - 130 (113)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	8.206			
540-36-3	1,4-Difluorobenzene	274000	9.088			
3114-55-4	Chlorobenzene-d5	259000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	125000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087373.D**

Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	07/18/25
Project:	North Arlington, NJ	Date Received:	07/18/25
Client Sample ID:	FRAC TANK	SDG No.:	Q2646
Lab Sample ID:	Q2646-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087373.D	5	07/21/25 12:51	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
000109-66-0	Pentane	84.6	J		3.65	ug/L
000064-17-5	Ethanol	170	J		3.79	ug/L
000071-23-8	1-Propanol	330	J		6.72	ug/L
141-78-6	Ethyl Acetate	38.2	J		7.55	ug/L
014898-79-4	2-Butanol, (R)-	910	J		7.77	ug/L
000071-36-3	1-Butanol	69.6	J		9.26	ug/L
000066-25-1	Hexanal	170	J		11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	5.50	J		13.2	ug/L
018829-55-5	2-Heptenal, (E)-	77.0	J		13.3	ug/L
95-63-6	1,2,4-Trimethylbenzene	28.3	J		13.5	ug/L
000112-40-3	Dodecane	58.6	J		14.9	ug/L
000824-90-8	1-Phenyl-1-butene	42.5	J		15.0	ug/L
91-20-3	Naphthalene	8.20	J		15.6	ug/L
000629-50-5	Tridecane	75.2	J		15.8	ug/L

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

QC SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2646-01	FRAC TANK	1,2-Dichloroethane-d4	50	51.3	103		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	52.0	104		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Surrogate Summary

SDG No.: Q2646

Client: Environmental Restoration, LLC

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
VN0721WBL01	VN0721WBL01	1,2-Dichloroethane-d4	50	54.7	109		70 (74)	130 (125)
		Dibromofluoromethane	50	51.4	103		70 (75)	130 (124)
		Toluene-d8	50	51.0	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.4	93		70 (77)	130 (121)
VN0721WBS01	VN0721WBS01	1,2-Dichloroethane-d4	50	47.3	95		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	50.4	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.9	100		70 (77)	130 (121)
VN0721WBSD0	VN0721WBSD01	1,2-Dichloroethane-d4	50	47.2	94		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	Dichlorodifluoromethane	20	21.9	ug/L	110			40 (69)	160 (116)	
	Chloromethane	20	18.8	ug/L	94			40 (65)	160 (116)	
	Vinyl chloride	20	19.0	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	19.2	ug/L	96			40 (58)	160 (125)	
	Chloroethane	20	18.1	ug/L	91			40 (56)	160 (128)	
	Trichlorofluoromethane	20	19.1	ug/L	96			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.1	ug/L	91			70 (74)	130 (110)	
	Acetone	100	85.8	ug/L	86			40 (60)	160 (125)	
	Carbon disulfide	20	18.4	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.2	ug/L	86			70 (78)	130 (114)	
	Methyl Acetate	20	17.6	ug/L	88			70 (67)	130 (125)	
	Methylene Chloride	20	17.3	ug/L	86			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.8	ug/L	89			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.6	ug/L	88			70 (78)	130 (112)	
	Cyclohexane	20	20.1	ug/L	101			70 (75)	130 (110)	
	2-Butanone	100	86.4	ug/L	86			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.0	ug/L	90			70 (77)	130 (110)	
	Bromochloromethane	20	17.8	ug/L	89			70 (70)	130 (124)	
	Chloroform	20	17.9	ug/L	90			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.6	ug/L	93			70 (80)	130 (108)	
	Methylcyclohexane	20	20.9	ug/L	104			70 (72)	130 (115)	
	Benzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.3	ug/L	92			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	18.3	ug/L	92			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	92.0	ug/L	92			40 (74)	160 (118)	
	Toluene	20	19.2	ug/L	96			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	18.7	ug/L	94			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.7	ug/L	94			70 (83)	130 (112)	
	2-Hexanone	100	91.6	ug/L	92			40 (73)	160 (117)	
	Dibromochloromethane	20	18.8	ug/L	94			70 (82)	130 (110)	
	1,2-Dibromoethane	20	17.4	ug/L	87			70 (81)	130 (110)	
	Tetrachloroethene	20	18.3	ug/L	92			70 (67)	130 (123)	
	Chlorobenzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	Ethyl Benzene	20	18.1	ug/L	91			70 (83)	130 (109)	
	m/p-Xylenes	40	39.5	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	18.4	ug/L	92			70 (83)	130 (109)	
	Styrene	20	19.3	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	18.2	ug/L	91			70 (79)	130 (109)	
	Isopropylbenzene	20	19.5	ug/L	98			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	18.5	ug/L	93			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.1	ug/L	96			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.0	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.3	ug/L	97			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087371.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBS01	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.0	ug/L	95			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0721WBSD01	Dichlorodifluoromethane	20	22.4	ug/L	112	2		40 (69)	160 (116)	20 (19)
	Chloromethane	20	18.8	ug/L	94	0		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	19.0	ug/L	95	0		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.8	ug/L	99	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.5	ug/L	93	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	19.7	ug/L	99	3		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98	4		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	17.6	ug/L	88	3		70 (74)	130 (110)	20 (20)
	Acetone	100	83.3	ug/L	83	4		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.6	ug/L	93	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.0	ug/L	90	5		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	18.3	ug/L	92	4		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	17.7	ug/L	89	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.9	ug/L	90	1		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	18.2	ug/L	91	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	19.8	ug/L	99	2		70 (75)	130 (110)	20 (20)
	2-Butanone	100	88.2	ug/L	88	2		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.8	ug/L	99	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	18.4	ug/L	92	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.6	ug/L	93	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	18.4	ug/L	92	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	18.9	ug/L	95	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	20.9	ug/L	104	0		70 (72)	130 (115)	20 (20)
	Benzene	20	19.2	ug/L	96	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.8	ug/L	94	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	18.8	ug/L	94	0		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.3	ug/L	97	0		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	18.8	ug/L	94	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	94.0	ug/L	94	2		40 (74)	160 (118)	20 (25)
	Toluene	20	19.5	ug/L	98	2		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	18.6	ug/L	93	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.4	ug/L	97	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	19.6	ug/L	98	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	93.7	ug/L	94	2		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	18.4	ug/L	92	2		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.9	ug/L	95	9		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.3	ug/L	97	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.6	ug/L	93	0		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.7	ug/L	94	3		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	38.8	ug/L	97	2		70 (82)	130 (110)	20 (15)
	o-Xylene	20	18.8	ug/L	94	2		70 (83)	130 (109)	20 (20)
	Styrene	20	19.4	ug/L	97	0		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.8	ug/L	94	3		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	19.0	ug/L	95	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.3	ug/L	97	1		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.4	ug/L	92	2		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.7	ug/L	99	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2646 **Analytical Method:** SW8260-Low

Client: Environmental Restoration, LLC **Datafile :** VN087372.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0721WBSD01	1,2-Dibromo-3-Chloropropane	20	16.6	ug/L	83	2		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93	4		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92	3		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0721WBL01

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087370.D Lab Sample ID: VN0721WBL01

Date Analyzed: 07/21/2025 Time Analyzed: 11:34

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
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025
FRAC TANK	Q2646-01	VN087373.D	07/21/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087327.D | BFB Injection Date: 07/16/2025

Instrument ID: MSVOA_N | BFB Injection Time: 16:10

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	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087328.D	07/16/2025	17:05
VSTDICC005	VSTDICC005	VN087329.D	07/16/2025	17:27
VSTDICC020	VSTDICC020	VN087330.D	07/16/2025	17:49
VSTDICCC050	VSTDICCC050	VN087331.D	07/16/2025	18:11
VSTDICC100	VSTDICC100	VN087332.D	07/16/2025	18:32
VSTDICC150	VSTDICC150	VN087333.D	07/16/2025	18:54

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: ENVI60

Lab Code: ACE | SDG NO.: Q2646

Lab File ID: VN087367.D | BFB Injection Date: 07/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 10:05

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	21.1
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	7.4
173	Less than 2.0% of mass 174	1.5 (1.9) 1
174	50.0 - 100.0% of mass 95	75.2
175	5.0 - 9.0% of mass 174	6 (8) 1
176	95.0 - 101.0% of mass 174	72.4 (96.3) 1
177	5.0 - 9.0% of mass 176	5 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087368.D	07/21/2025	10:38
VN0721WBL01	VN0721WBL01	VN087370.D	07/21/2025	11:34
VN0721WBS01	VN0721WBS01	VN087371.D	07/21/2025	11:55
VN0721WBSD01	VN0721WBSD01	VN087372.D	07/21/2025	12:30
FRAC TANK	Q2646-01	VN087373.D	07/21/2025	12:51

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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	202357	8.21	342303	9.08	307825	11.85
UPPER LIMIT	404714	8.706	684606	9.583	615650	12.347
LOWER LIMIT	101179	7.706	171152	8.583	153913	11.347
EPA SAMPLE NO.						
FRAC TANK	144360	8.21	274202	9.09	259490	11.85
VN0721WBL01	164239	8.21	328305	9.08	300772	11.85
VN0721WBS01	195078	8.21	337215	9.09	308523	11.85
VN0721WBSD01	190787	8.21	328848	9.08	296338	11.85

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: ENVI60

Lab Code: ACE SDG NO.: Q2646

Lab File ID: VN087368.D Date Analyzed: 07/21/2025

Instrument ID: MSVOA_N Time Analyzed: 10:38

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

	IS4 AREA #	RT #				
12 HOUR STD	162263	13.77				
UPPER LIMIT	324526	14.27				
LOWER LIMIT	81131.5	13.27				
EPA SAMPLE NO.						
FRAC TANK	124607	13.77				
VN0721WBL01	133337	13.77				
VN0721WBS01	161452	13.77				
VN0721WBSD01	158557	13.77				

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.

QC SAMPLE DATA

Raw Data: **VN087370.D**

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.7		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3		70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	164000	8.212			
540-36-3	1,4-Difluorobenzene	328000	9.083			
3114-55-4	Chlorobenzene-d5	301000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.771			

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBL01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087370.D	1	07/21/25 11:34	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	21.9		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.2		1.40	5.00	ug/L
75-00-3	Chloroethane	18.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.1		0.23	1.00	ug/L
67-64-1	Acetone	85.8		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.4		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	17.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	17.6		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.3		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.8		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	17.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.1		1.50	5.00	ug/L
78-93-3	2-Butanone	86.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.6		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.0		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.22	1.00	ug/L
67-66-3	Chloroform	17.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	92.0		0.68	5.00	ug/L
108-88-3	Toluene	19.2		0.14	1.00	ug/L

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.7		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	18.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.7		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	17.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	39.5		0.24	2.00	ug/L
95-47-6	o-Xylene	18.4		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	18.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.5		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	18.5		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.0		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.3		70 (74) - 130 (125)	95%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.9		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	8.206			
540-36-3	1,4-Difluorobenzene	337000	9.088			
3114-55-4	Chlorobenzene-d5	309000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	161000	13.77			

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

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBS01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087371.D	1	07/21/25 11:55	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.4		0.22	1.00	ug/L
74-87-3	Chloromethane	18.8		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.0		0.26	1.00	ug/L
74-83-9	Bromomethane	19.8		1.40	5.00	ug/L
75-00-3	Chloroethane	18.5		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.6		0.23	1.00	ug/L
67-64-1	Acetone	83.3		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	18.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	18.3		0.27	1.00	ug/L
75-09-2	Methylene Chloride	17.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	17.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.8		1.50	5.00	ug/L
78-93-3	2-Butanone	88.2		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.6		0.22	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.9		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	20.9		0.16	1.00	ug/L
71-43-2	Benzene	19.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.8		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	94.0		0.68	5.00	ug/L
108-88-3	Toluene	19.5		0.14	1.00	ug/L

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Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	18.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	93.7		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.4		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	18.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.3		0.23	1.00	ug/L
108-90-7	Chlorobenzene	18.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	18.7		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.8		0.24	2.00	ug/L
95-47-6	o-Xylene	18.8		0.12	1.00	ug/L
100-42-5	Styrene	19.4		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.3		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.0		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.3		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.4		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.5		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.206			
540-36-3	1,4-Difluorobenzene	329000	9.082			
3114-55-4	Chlorobenzene-d5	296000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	159000	13.77			

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	Environmental Restoration, LLC	Date Collected:	
Project:	North Arlington, NJ	Date Received:	
Client Sample ID:	VN0721WBSD01	SDG No.:	Q2646
Lab Sample ID:	VN0721WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087372.D	1	07/21/25 12:30	VN072125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

CALIBRATION SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.447	0.443	0.443	0.623	0.606	0.625	0.531	18
Chloromethane	0.714	0.659	0.588	0.690	0.659	0.698	0.668	6.7
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
Bromomethane		0.328	0.308	0.355	0.356	0.370	0.344	7.2
Chloroethane	0.396	0.485	0.431	0.441	0.415	0.429	0.433	7
Trichlorofluoromethane	0.959	0.975	0.963	1.025	0.960	1.007	0.981	2.8
1,1,2-Trichlorotrifluoroethane	0.463	0.495	0.539	0.525	0.491	0.509	0.504	5.3
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
Acetone	0.455	0.426	0.393	0.387	0.361	0.366	0.398	9.2
Carbon Disulfide	1.686	1.685	1.669	1.733	1.643	1.739	1.693	2.2
Methyl tert-butyl Ether	1.911	2.099	2.106	2.167	2.129	2.213	2.104	4.9
Methyl Acetate	1.007	1.052	0.991	0.991	0.962	0.993	0.999	3
Methylene Chloride	1.107	0.788	0.700	0.672	0.655	0.672	0.766	22.7
trans-1,2-Dichloroethene	0.667	0.669	0.643	0.653	0.618	0.613	0.644	3.7
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
Cyclohexane		1.148	1.039	1.046	0.981	1.002	1.043	6.2
2-Butanone	0.552	0.608	0.650	0.643	0.617	0.618	0.615	5.7
Carbon Tetrachloride	0.453	0.523	0.498	0.517	0.504	0.518	0.502	5.1
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
Bromochloromethane	0.596	0.640	0.578	0.595	0.597	0.584	0.598	3.6
Chloroform	1.181	1.299	1.303	1.279	1.214	1.234	1.251	4
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Methylcyclohexane	0.447	0.442	0.482	0.529	0.519	0.541	0.493	8.6
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,2-Dichloropropane	0.335	0.367	0.395	0.395	0.376	0.378	0.374	5.9
Bromodichloromethane	0.568	0.572	0.559	0.569	0.553	0.565	0.564	1.2
4-Methyl-2-Pentanone	0.551	0.641	0.685	0.689	0.658	0.652	0.646	7.8
Toluene	0.774	0.849	0.940	0.963	0.916	0.929	0.895	7.9

* 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.

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: MSVOA_N Calibration Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Calibration Time(s): 17:05 18:54

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

LAB FILE ID: RRF001 = VN087328.D RRF005 = VN087329.D RRF020 = VN087330.D
RRF050 = VN087331.D RRF100 = VN087332.D RRF150 = VN087333.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.459	0.536	0.586	0.621	0.607	0.619	0.571	11.1
cis-1,3-Dichloropropene	0.489	0.564	0.602	0.632	0.620	0.632	0.590	9.4
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
2-Hexanone	0.279	0.373	0.465	0.495	0.481	0.479	0.429	19.9
Dibromochloromethane	0.352	0.416	0.425	0.430	0.424	0.433	0.413	7.4
1,2-Dibromoethane	0.367	0.373	0.391	0.385	0.381	0.389	0.381	2.5
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
Chlorobenzene	1.139	1.131	1.133	1.119	1.092	1.122	1.123	1.5
Ethyl Benzene	1.643	1.738	1.882	1.942	1.905	1.979	1.848	7
m/p-Xylenes	0.541	0.646	0.717	0.758	0.734	0.756	0.692	12.2
o-Xylene	0.491	0.606	0.702	0.723	0.710	0.734	0.661	14.4
Styrene	0.726	1.032	1.186	1.255	1.217	1.257	1.112	18.6
Bromoform	0.246	0.302	0.314	0.328	0.322	0.337	0.308	10.7
Isopropylbenzene	2.524	2.889	3.242	3.396	3.302	3.529	3.147	11.9
1,1,2,2-Tetrachloroethane	1.159	1.181	1.228	1.207	1.156	1.174	1.184	2.4
1,3-Dichlorobenzene	1.448	1.592	1.651	1.658	1.588	1.674	1.602	5.2
1,4-Dichlorobenzene	1.807	1.709	1.742	1.703	1.627	1.677	1.711	3.6
1,2-Dichlorobenzene	1.303	1.534	1.596	1.577	1.510	1.583	1.517	7.2
1,2-Dibromo-3-Chloropropane	0.339	0.325	0.304	0.302	0.290	0.305	0.311	5.8
1,2,4-Trichlorobenzene	0.761	0.860	0.875	0.937	0.921	0.994	0.891	8.9
1,2,3-Trichlorobenzene	0.803	0.844	0.887	0.922	0.917	0.992	0.894	7.4
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: ENVI60
Lab Code: ACE
SDG No.: Q2646
Instrument ID: MSVOA_N
Calibration Date/Time: 07/21/2025 10:38
Lab File ID: VN087368.D
Init. Calib. Date(s): 07/16/2025 07/16/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 17:05 18:54
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.531	0.655		23.35	20
Chloromethane	0.668	0.678	0.1	1.5	20
Vinyl Chloride	0.664	0.725		9.19	20
Bromomethane	0.344	0.335		-2.62	20
Chloroethane	0.433	0.443		2.31	20
Trichlorofluoromethane	0.981	1.080		10.09	20
1,1,2-Trichlorotrifluoroethane	0.504	0.578		14.68	20
1,1-Dichloroethene	0.571	0.556		-2.63	20
Acetone	0.398	0.354		-11.06	20
Carbon Disulfide	1.693	1.786		5.49	20
Methyl tert-butyl Ether	2.104	2.165		2.9	20
Methyl Acetate	0.999	0.952		-4.7	20
Methylene Chloride	0.766	0.680		-11.23	20
trans-1,2-Dichloroethene	0.644	0.639		-0.78	20
1,1-Dichloroethane	1.250	1.246	0.1	-0.32	20
Cyclohexane	1.043	1.138		9.11	20
2-Butanone	0.615	0.586		-4.72	20
Carbon Tetrachloride	0.502	0.596		18.73	20
cis-1,2-Dichloroethene	0.741	0.765		3.24	20
Bromochloromethane	0.598	0.602		0.67	20
Chloroform	1.251	1.287		2.88	20
1,1,1-Trichloroethane	1.084	1.134		4.61	20
Methylcyclohexane	0.493	0.642		30.22	20
Benzene	1.473	1.638		11.2	20
1,2-Dichloroethane	0.558	0.595		6.63	20
Trichloroethene	0.348	0.383		10.06	20
1,2-Dichloropropane	0.374	0.421		12.57	20
Bromodichloromethane	0.564	0.593		5.14	20
4-Methyl-2-Pentanone	0.646	0.672		4.03	20
Toluene	0.895	1.007		12.51	20
t-1,3-Dichloropropene	0.571	0.634		11.03	20
cis-1,3-Dichloropropene	0.590	0.666		12.88	20
1,1,2-Trichloroethane	0.362	0.377		4.14	20
2-Hexanone	0.429	0.471		9.79	20
Dibromochloromethane	0.413	0.442		7.02	20
1,2-Dibromoethane	0.381	0.399		4.72	20
Tetrachloroethene	0.322	0.364		13.04	20
Chlorobenzene	1.123	1.199	0.3	6.77	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: ENVI60

Lab Code: ACE SDG No.: Q2646

Instrument ID: MSVOA_N Calibration Date/Time: 07/21/2025 10:38

Lab File ID: VN087368.D Init. Calib. Date(s): 07/16/2025 07/16/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 17:05 18:54

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.848	2.112		14.29	20
m/p-Xylenes	0.692	0.827		19.51	20
o-Xylene	0.661	0.783		18.46	20
Styrene	1.112	1.331		19.69	20
Bromoform	0.308	0.332	0.1	7.79	20
Isopropylbenzene	3.147	3.856		22.53	20
1,1,2,2-Tetrachloroethane	1.184	1.213	0.3	2.45	20
1,3-Dichlorobenzene	1.602	1.782		11.24	20
1,4-Dichlorobenzene	1.711	1.821		6.43	20
1,2-Dichlorobenzene	1.517	1.679		10.68	20
1,2-Dibromo-3-Chloropropane	0.311	0.293		-5.79	20
1,2,4-Trichlorobenzene	0.891	1.041		16.83	20
1,2,3-Trichlorobenzene	0.894	1.020		14.09	20
1,2-Dichloroethane-d4	0.848	0.831		-2.01	20
Dibromofluoromethane	0.345	0.356		3.19	20
Toluene-d8	1.230	1.321		7.4	20
4-Bromofluorobenzene	0.455	0.481		5.71	20

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

SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:06:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

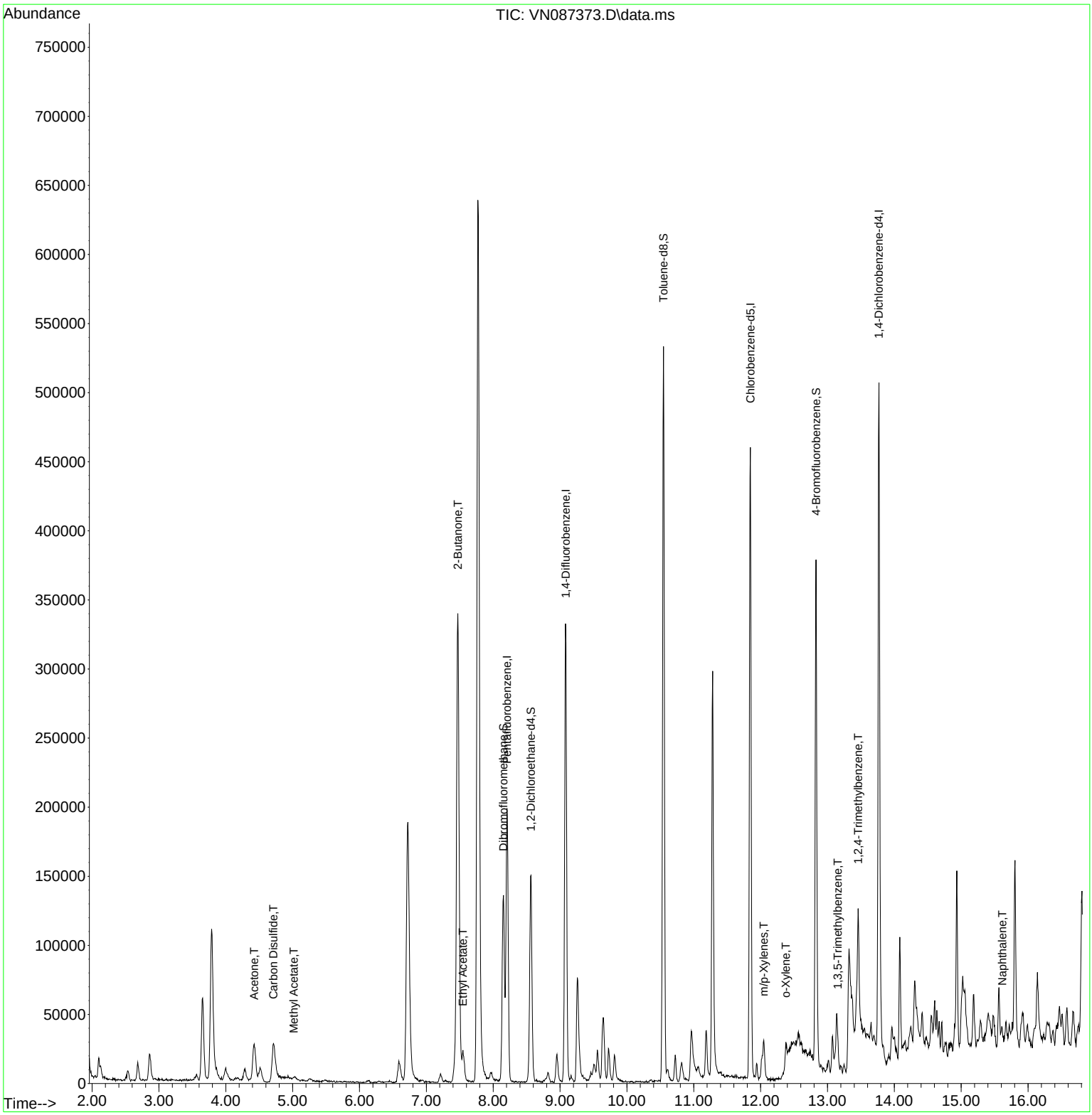
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	144360	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	274202	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	259490	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	124607	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	125765	51.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.680%			
35) Dibromofluoromethane	8.153	113	97049	51.309	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.620%			
50) Toluene-d8	10.547	98	350875	52.005	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.000%			
62) 4-Bromofluorobenzene	12.829	95	122788	49.259	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.520%			
Target Compounds						Qvalue
16) Acetone	4.424	43	52887	46.049	ug/l #	86
17) Carbon Disulfide	4.712	76	8453	1.730	ug/l #	89
18) Methyl Acetate	5.018	43	4330	1.501	ug/l #	85
25) 2-Butanone	7.471	43	575216	324.151	ug/l	99
37) Ethyl Acetate	7.547	43	27593	7.645	ug/l #	94
68) m/p-Xylenes	12.047	106	6458	1.798	ug/l	94
69) o-Xylene	12.376	106	3635	1.060	ug/l	88
80) 1,3,5-Trimethylbenzene	13.153	105	7307	1.094	ug/l	93
84) 1,2,4-Trimethylbenzene	13.459	105	38577	5.653	ug/l	98
95) Naphthalene	15.617	128	12847	1.633	ug/l #	94

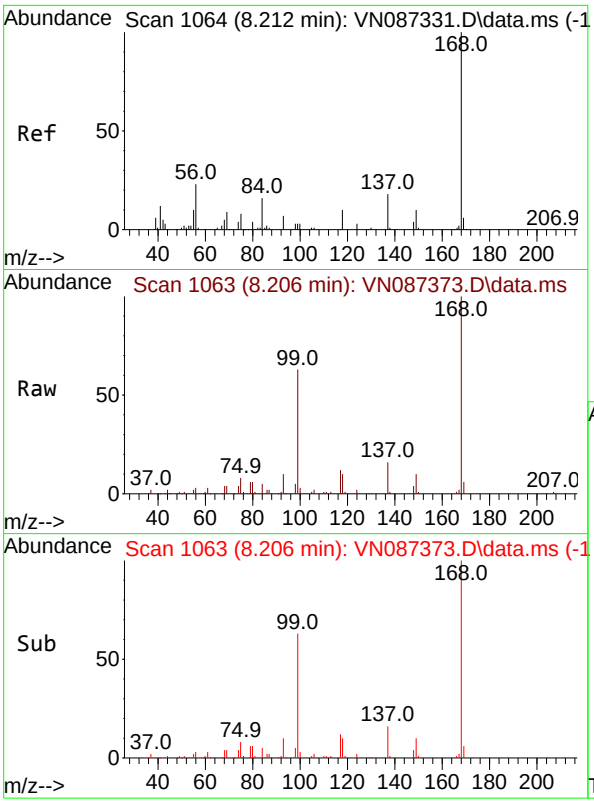
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Time: Jul 22 03:06:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



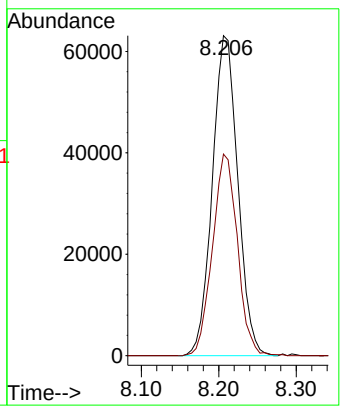


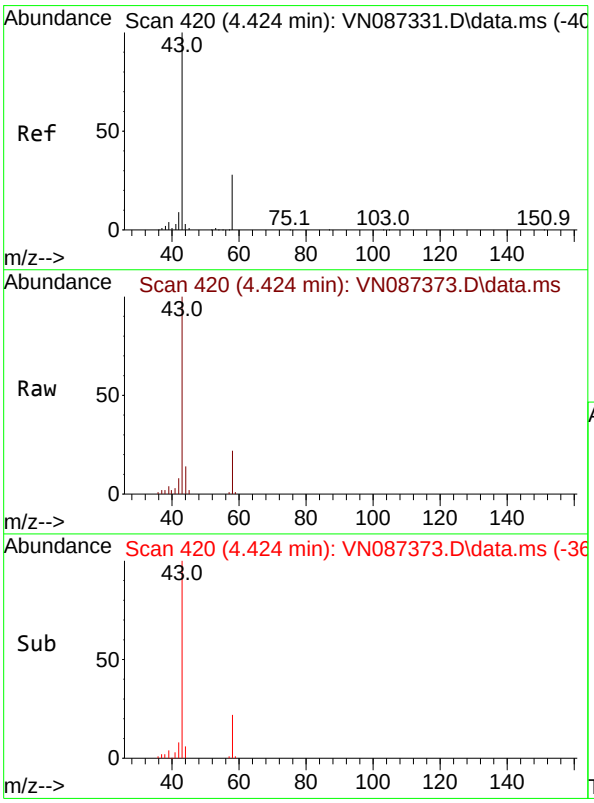
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:168 Resp: 144360

Ion	Ratio	Lower	Upper
168	100		
99	63.0	47.9	71.9

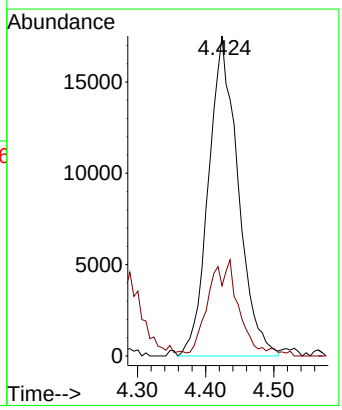


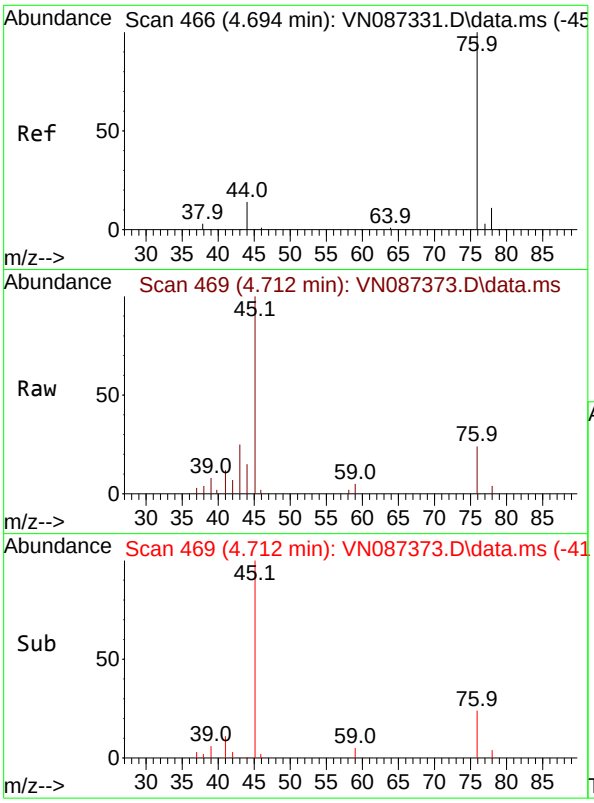


#16
Acetone
Concen: 46.049 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 52887

Ion	Ratio	Lower	Upper
43	100		
58	20.8	22.3	33.5#



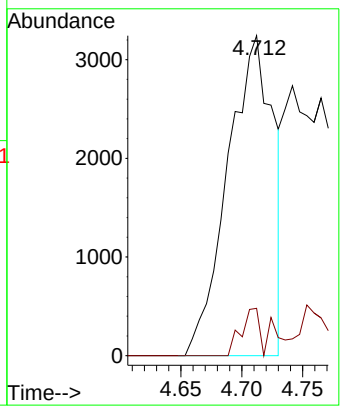


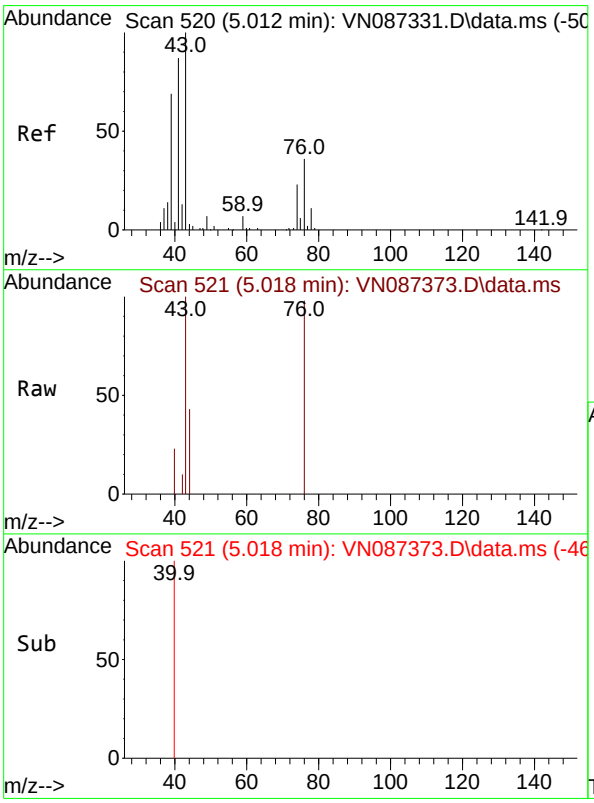
#17
Carbon Disulfide
Concen: 1.730 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.018 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 76 Resp: 8453

Ion	Ratio	Lower	Upper
76	100		
78	14.8	8.6	13.0#

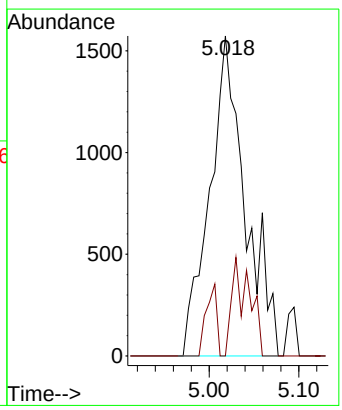


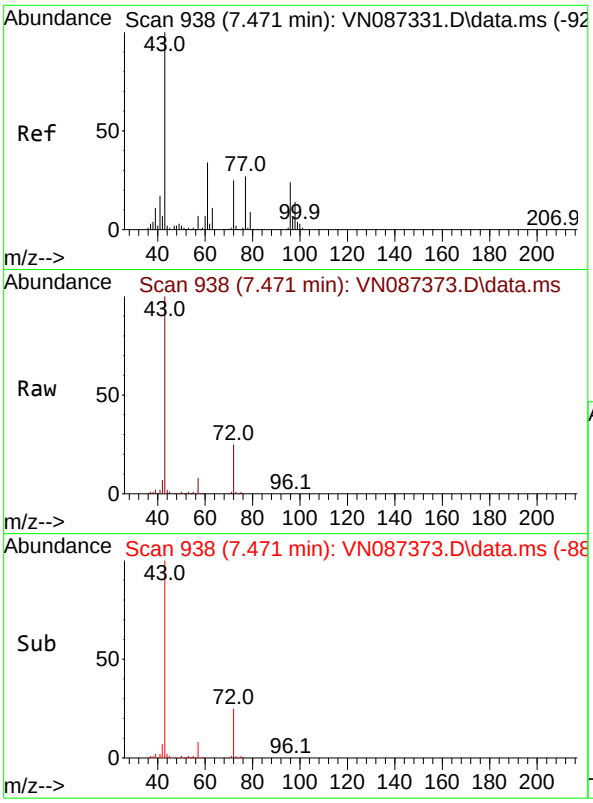


#18
Methyl Acetate
Concen: 1.501 ug/l
RT: 5.018 min Scan# 521
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 43 Resp: 4330

Ion	Ratio	Lower	Upper
43	100		
74	15.2	17.8	26.6#



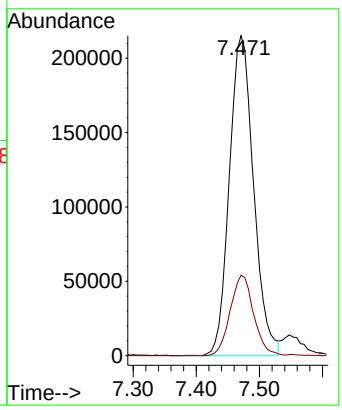


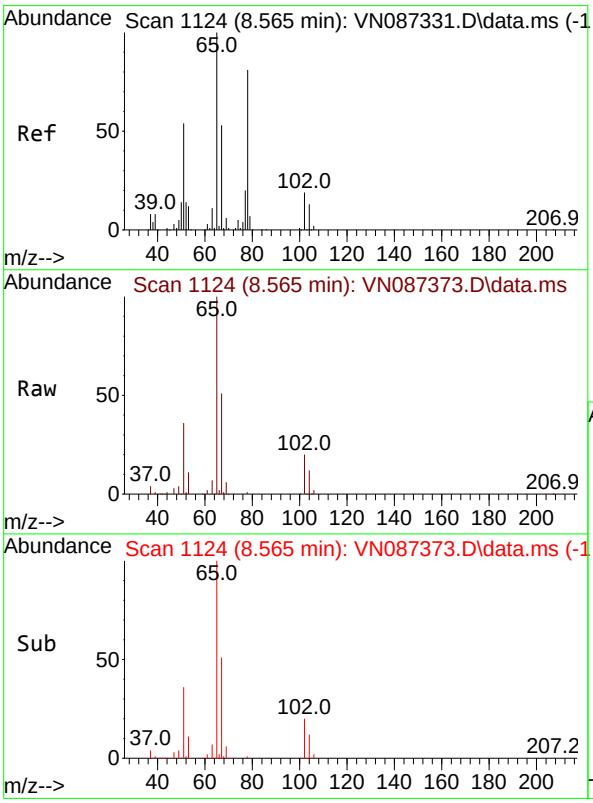
#25
2-Butanone
Concen: 324.151 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 575216

Ion	Ratio	Lower	Upper
43	100		
72	25.1	19.6	29.4

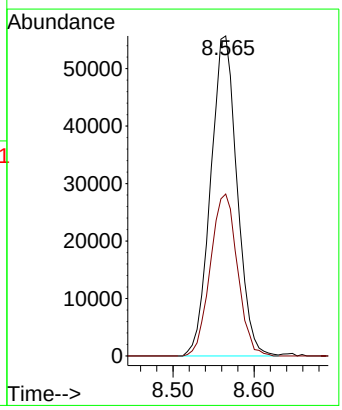


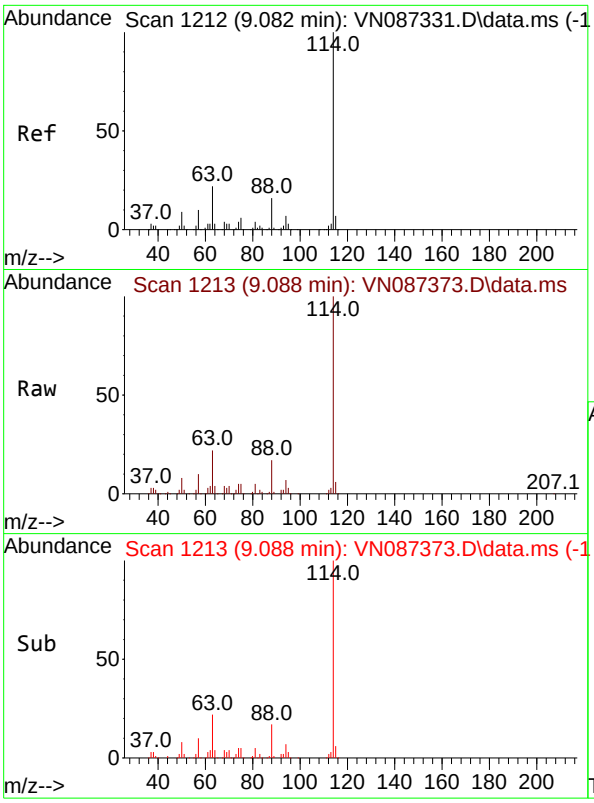


#33
1,2-Dichloroethane-d4
Concen: 51.344 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 65 Resp: 125765

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



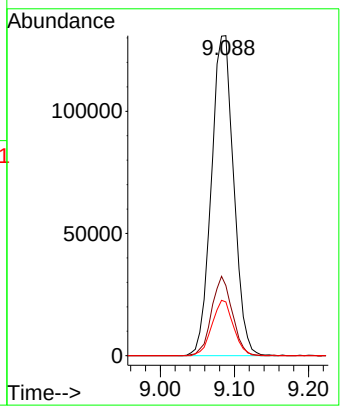


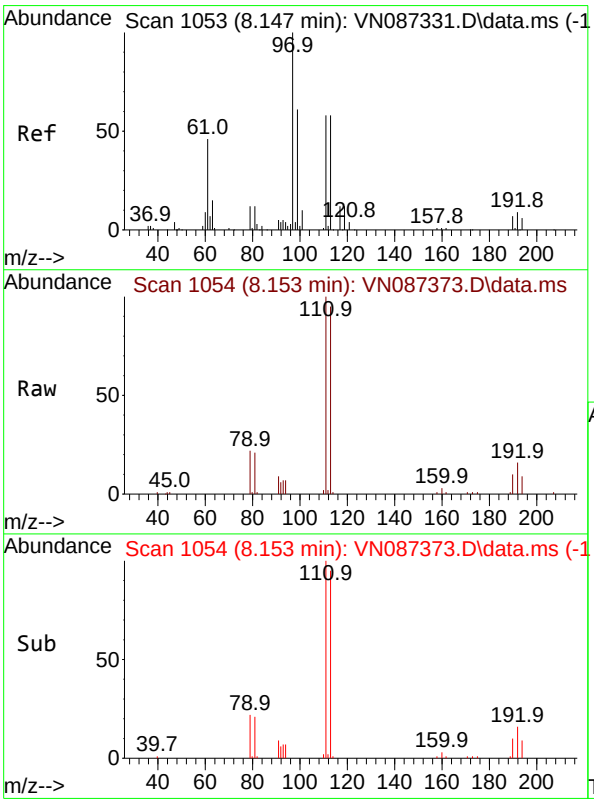
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:114 Resp: 274202

Ion	Ratio	Lower	Upper
114	100		
63	21.9	0.0	44.6
88	16.8	0.0	32.8

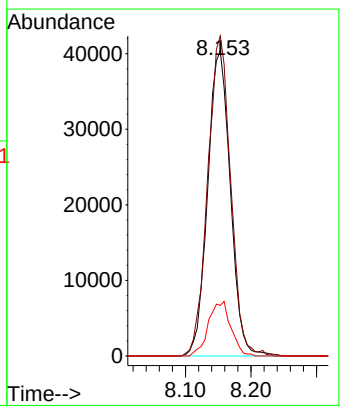


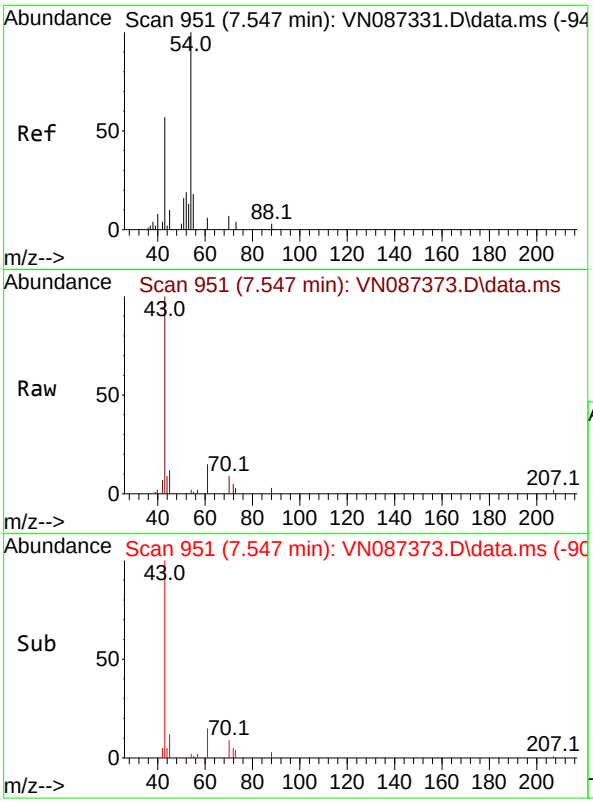


#35
Dibromofluoromethane
Concen: 51.309 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:113 Resp: 97049

Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.5	123.7
192	17.6	13.7	20.5



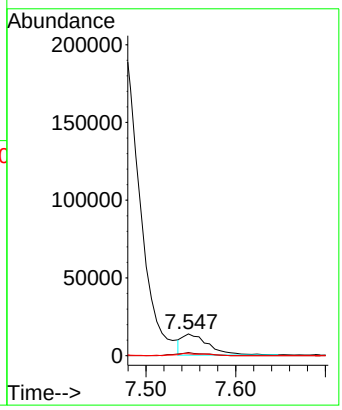


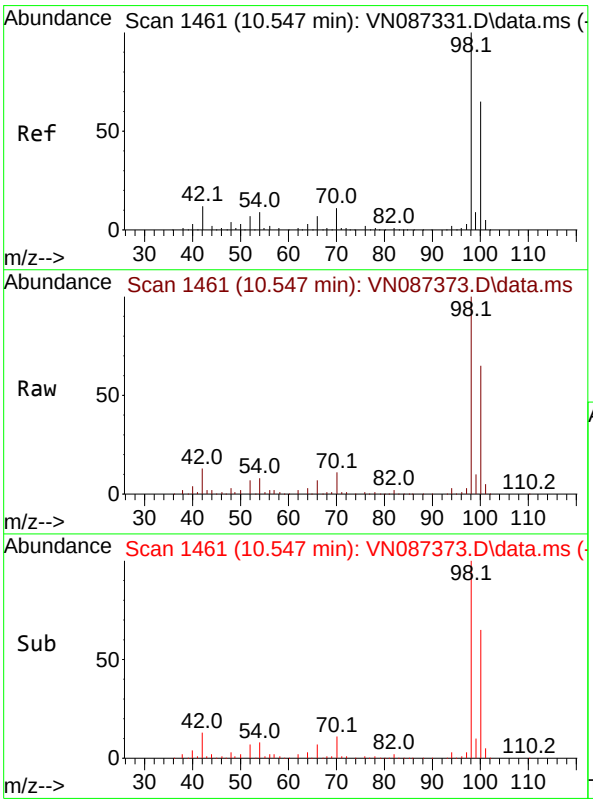
#37
Ethyl Acetate
Concen: 7.645 ug/l
RT: 7.547 min Scan# 9
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 43 Resp: 27593

Ion	Ratio	Lower	Upper
43	100		
61	15.8	10.9	16.3
70	11.4	7.4	11.0#

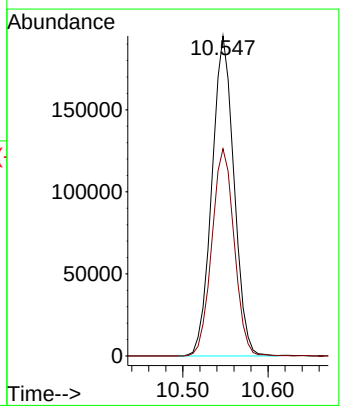


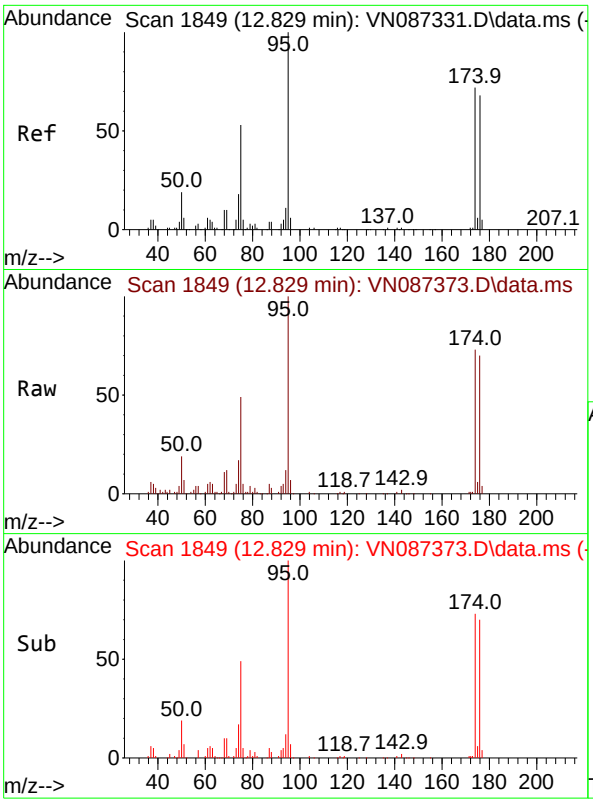


#50
Toluene-d8
Concen: 52.005 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion: 98 Resp: 350875

Ion	Ratio	Lower	Upper
98	100		
100	65.5	52.1	78.1



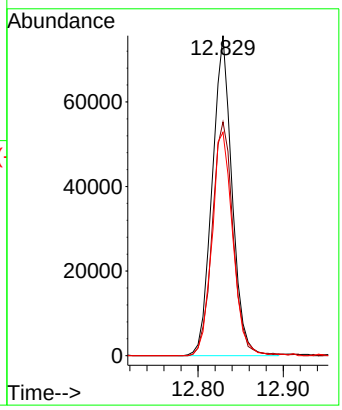


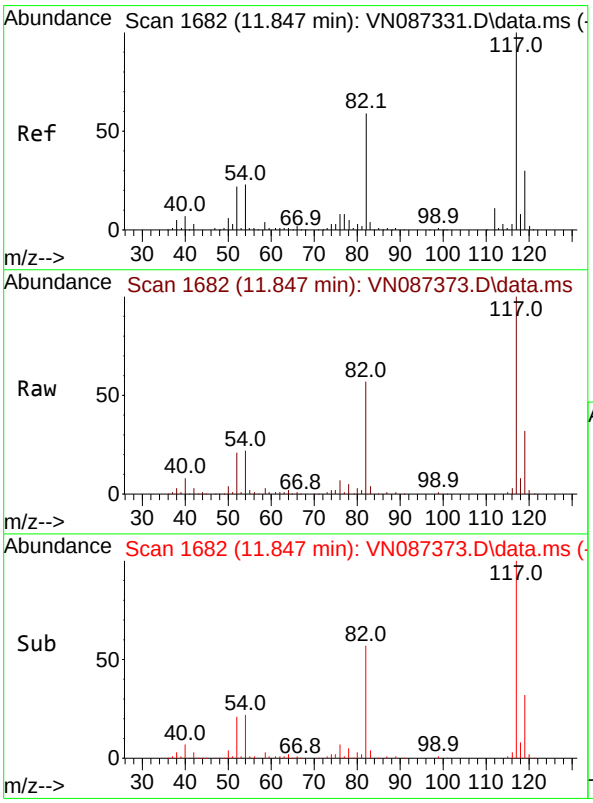
#62
4-Bromofluorobenzene
Concen: 49.259 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion: 95 Resp: 122788

Ion	Ratio	Lower	Upper
95	100		
174	77.1	0.0	149.4
176	73.5	0.0	141.2

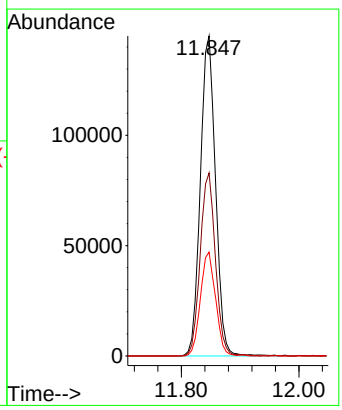


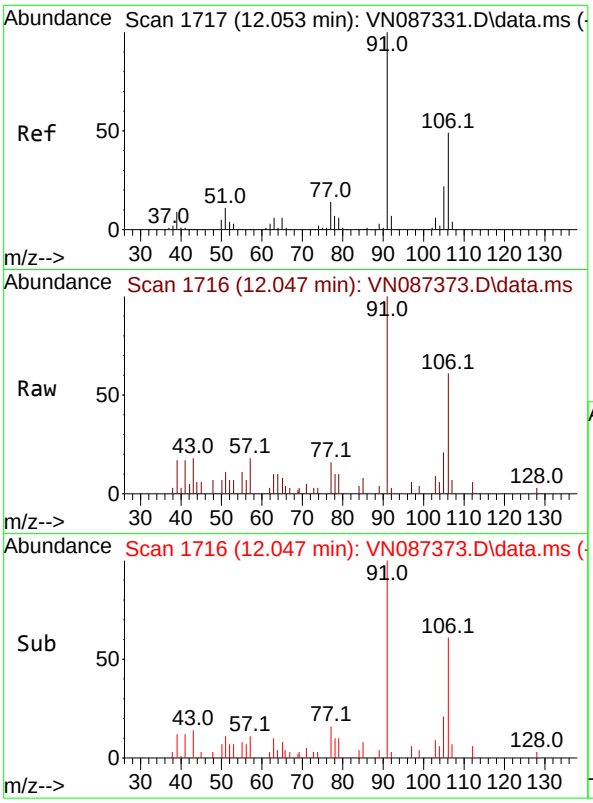


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:117 Resp: 259490

Ion	Ratio	Lower	Upper
117	100		
82	57.2	47.4	71.2
119	32.4	23.8	35.8



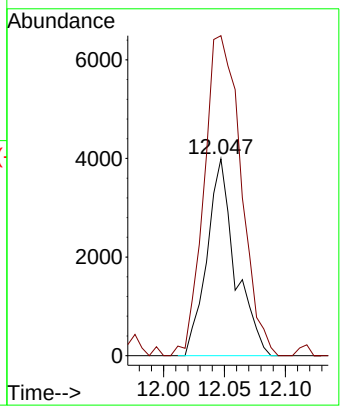


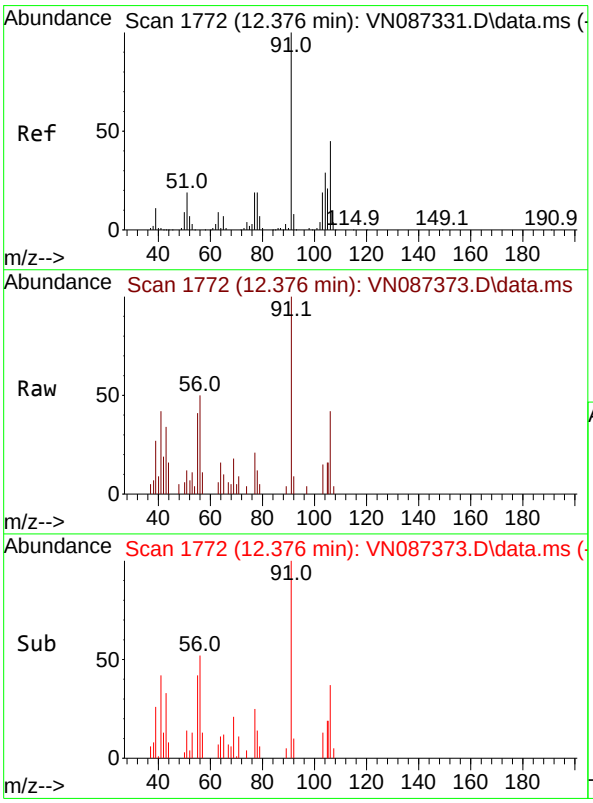
#68
m/p-Xylenes
Concen: 1.798 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:106 Resp: 6458

Ion	Ratio	Lower	Upper
106	100		
91	211.7	162.0	243.0

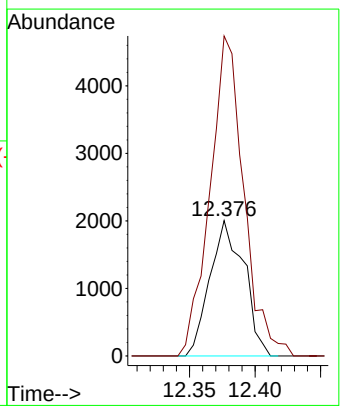


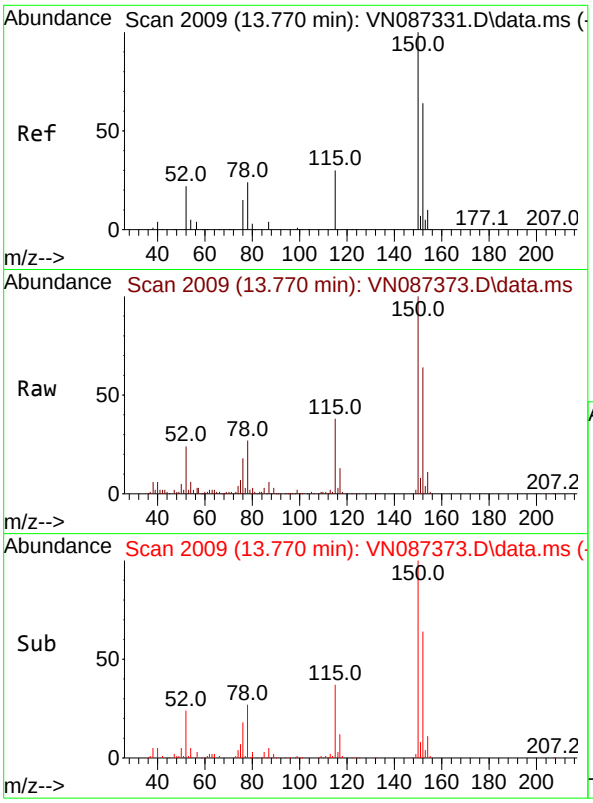


#69
o-Xylene
Concen: 1.060 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:106 Resp: 3635

Ion	Ratio	Lower	Upper
106	100		
91	233.9	107.7	323.3



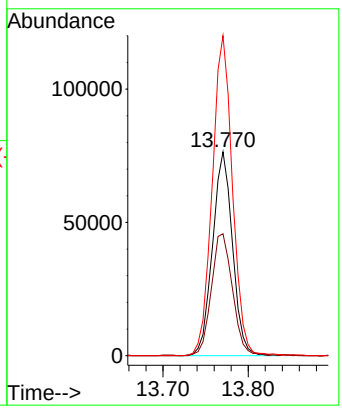


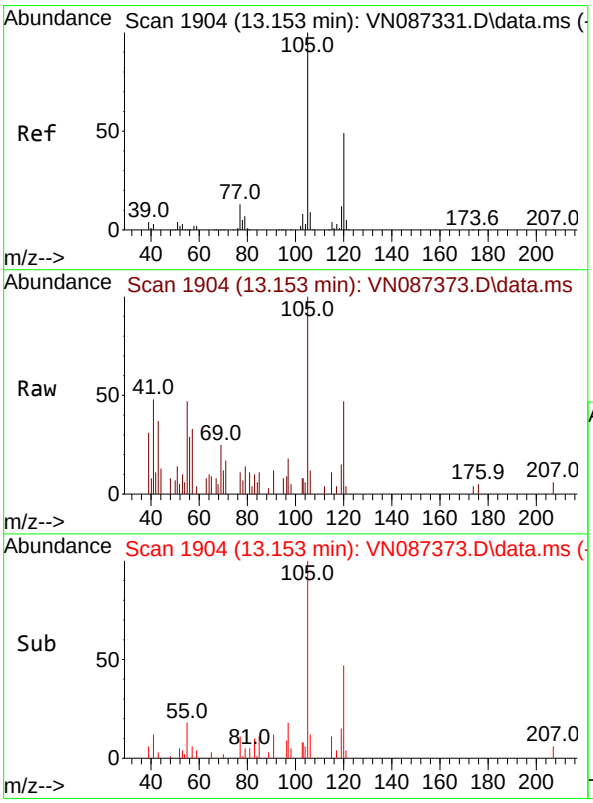
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:152 Resp: 124607

Ion	Ratio	Lower	Upper
152	100		
115	63.2	31.1	93.5
150	158.8	0.0	349.0

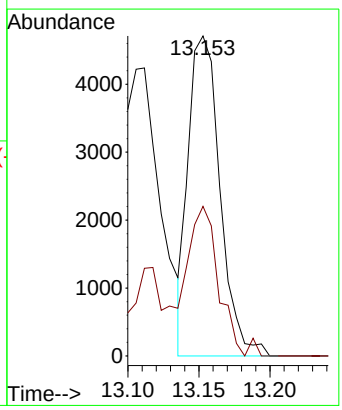


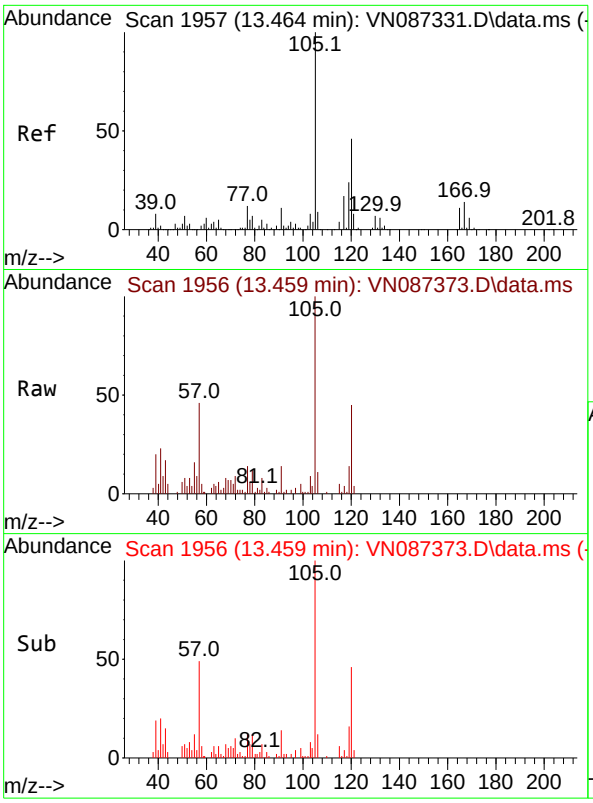


#80
1,3,5-Trimethylbenzene
Concen: 1.094 ug/l
RT: 13.153 min Scan# 1904
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:105 Resp: 7307

Ion	Ratio	Lower	Upper
105	100		
120	43.8	24.3	72.8



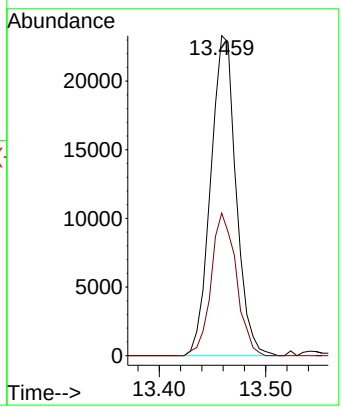


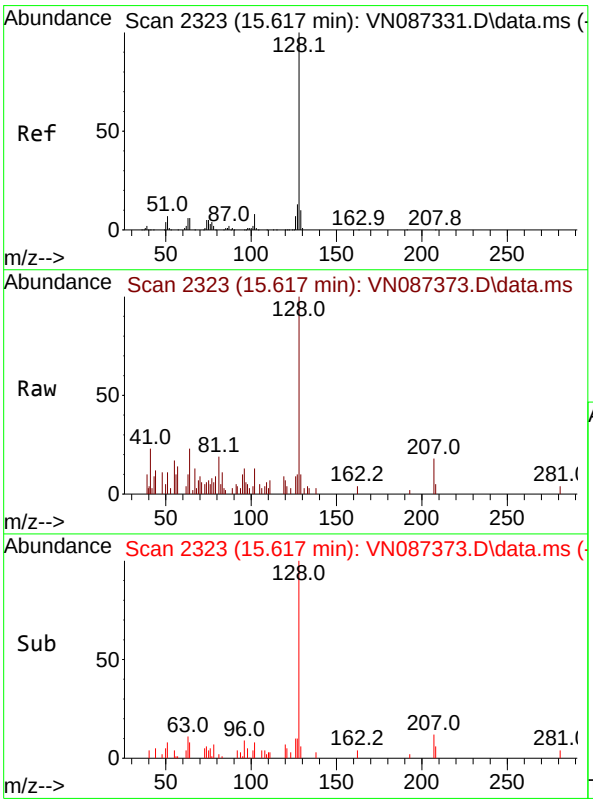
#84
1,2,4-Trimethylbenzene
Concen: 5.653 ug/l
RT: 13.459 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Tgt Ion:105 Resp: 38577

Ion	Ratio	Lower	Upper
105	100		
120	44.1	22.8	68.3

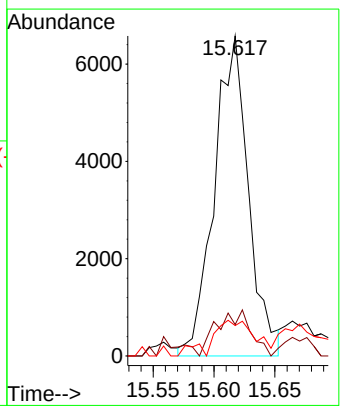




#95
Naphthalene
Concen: 1.633 ug/l
RT: 15.617 min Scan# 2323
Delta R.T. 0.000 min
Lab File: VN087373.D
Acq: 21 Jul 2025 12:51

Tgt Ion:128 Resp: 12847

Ion	Ratio	Lower	Upper
128	100		
127	14.2	10.5	15.7
129	14.2	8.4	12.6#



Sample Results: **VN087373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087373.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.101	19	25	28	rBV2	14105	23887	1.44%	0.182%
2	2.683	117	124	134	rBV	13316	26566	1.61%	0.202%
3	2.859	147	154	164	rBV2	19082	47889	2.89%	0.364%
4	3.653	280	289	301	rBV	59507	153096	9.25%	1.164%
5	3.789	302	312	323	rBV	107651	310010	18.74%	2.357%
6	4.000	339	348	358	rBV5	8944	26221	1.58%	0.199%
7	4.289	390	397	406	rVB4	8399	22567	1.36%	0.172%
8	4.424	410	420	429	rVV2	26914	87940	5.31%	0.669%
9	4.512	429	435	449	rVB5	10433	32925	1.99%	0.250%
10	4.712	459	469	480	rBV2	27742	102192	6.18%	0.777%
11	6.589	779	788	799	rBV3	15389	47918	2.90%	0.364%
12	6.724	799	811	830	rVV	186736	599800	36.25%	4.560%
13	7.471	919	938	948	rBV	339494	950104	57.42%	7.222%
14	7.547	948	951	963	rVB	22435	50589	3.06%	0.385%
15	7.771	978	989	1005	rBV	638354	1654652	100.00%	12.578%
16	8.153	1044	1054	1058	rBV2	134146	322564	19.49%	2.452%
17	8.206	1058	1063	1077	rVB	197894	452389	27.34%	3.439%
18	8.565	1110	1124	1134	rBV	149800	360303	21.78%	2.739%
19	8.818	1158	1167	1174	rVB5	7170	19397	1.17%	0.147%
20	8.953	1183	1190	1199	rBV4	20454	46968	2.84%	0.357%
21	9.082	1203	1212	1222	rBV	331630	687726	41.56%	5.228%
22	9.259	1235	1242	1254	rBV3	75129	191421	11.57%	1.455%
23	9.506	1279	1284	1289	rVV4	11583	29167	1.76%	0.222%
24	9.559	1289	1293	1300	rVV	21787	42075	2.54%	0.320%
25	9.647	1300	1308	1316	rVV5	45294	113558	6.86%	0.863%
26	9.724	1316	1321	1331	rVB2	22821	45214	2.73%	0.344%
27	9.812	1331	1336	1346	rBV	18197	37848	2.29%	0.288%
28	10.547	1453	1461	1468	rBV	531867	973527	58.84%	7.401%
29	10.724	1483	1491	1499	rVB4	19336	34090	2.06%	0.259%
30	10.818	1499	1507	1514	rBV8	13750	35451	2.14%	0.269%
31	10.965	1524	1532	1545	rBV3	36215	119181	7.20%	0.906%
32	11.188	1561	1570	1579	rBV3	33898	69319	4.19%	0.527%
33	11.282	1579	1586	1602	rVV	292544	542496	32.79%	4.124%
34	11.847	1674	1682	1691	rBV	456602	819883	49.55%	6.233%
35	11.941	1694	1698	1703	rVB2	11668	17888	1.08%	0.136%
36	12.047	1703	1716	1724	rBV5	28480	82327	4.98%	0.626%

Sample Results: **VN087373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

37	12.376	1760	1772	1773	rBV5	26707	43388	2.62%	0.330%
38	12.829	1842	1849	1859	rVB	367304	628903	38.01%	4.781%
39	13.076	1885	1891	1895	rBV	26155	48795	2.95%	0.371%
40	13.141	1895	1902	1910	rVB4	40286	91085	5.50%	0.692%
41	13.323	1925	1933	1939	rBV6	89387	256110	15.48%	1.947%
42	13.459	1948	1956	1965	rBV3	88044	191070	11.55%	1.452%
43	13.770	2002	2009	2018	rVB	480561	832331	50.30%	6.327%
44	13.965	2037	2042	2046	rBV4	23265	48829	2.95%	0.371%
45	14.082	2057	2062	2067	rBV2	87913	140817	8.51%	1.070%
46	14.247	2083	2090	2095	rBV7	16345	43563	2.63%	0.331%
47	14.306	2095	2100	2104	rBV5	43898	91727	5.54%	0.697%
48	14.417	2116	2119	2126	rVB3	22868	36234	2.19%	0.275%
49	14.553	2138	2142	2146	rBV6	19687	37201	2.25%	0.283%
50	14.606	2147	2151	2154	rVV3	30868	47643	2.88%	0.362%
51	14.635	2154	2156	2159	rVV3	23960	27029	1.63%	0.205%
52	14.670	2160	2162	2165	rVB2	18599	16741	1.01%	0.127%
53	14.712	2165	2169	2173	rVB6	21675	27745	1.68%	0.211%
54	14.900	2196	2201	2202	rBV3	20011	21062	1.27%	0.160%
55	14.935	2202	2207	2213	rVB2	126933	194907	11.78%	1.482%
56	15.023	2215	2222	2227	rBV6	48816	141552	8.55%	1.076%
57	15.188	2244	2250	2256	rVB2	37481	70630	4.27%	0.537%
58	15.288	2263	2267	2274	rVB8	15165	28766	1.74%	0.219%
59	15.476	2297	2299	2307	rVB7	22528	46058	2.78%	0.350%
60	15.564	2309	2314	2318	rBV3	42550	71377	4.31%	0.543%
61	15.670	2329	2332	2337	rVB6	12309	17400	1.05%	0.132%
62	15.806	2349	2355	2366	rVB	135344	250431	15.13%	1.904%
63	15.917	2366	2374	2381	rBV9	25208	76469	4.62%	0.581%
64	16.100	2399	2405	2406	rBV4	14352	28090	1.70%	0.214%
65	16.141	2407	2412	2422	rVB8	50113	111729	6.75%	0.849%
66	16.288	2432	2437	2440	rBV7	12136	25816	1.56%	0.196%
67	16.376	2447	2452	2456	rVB7	11109	20805	1.26%	0.158%
68	16.429	2456	2461	2462	rBV5	14637	23152	1.40%	0.176%
69	16.470	2464	2468	2472	rVV7	25855	51101	3.09%	0.388%
70	16.511	2472	2475	2480	rVB7	22335	38626	2.33%	0.294%
71	16.582	2482	2487	2497	rVB6	27321	53048	3.21%	0.403%
72	16.670	2497	2502	2510	rVB7	25857	62111	3.75%	0.472%
73	16.758	2510	2517	2518	rBV7	16366	33305	2.01%	0.253%

Sum of corrected areas: 13154794

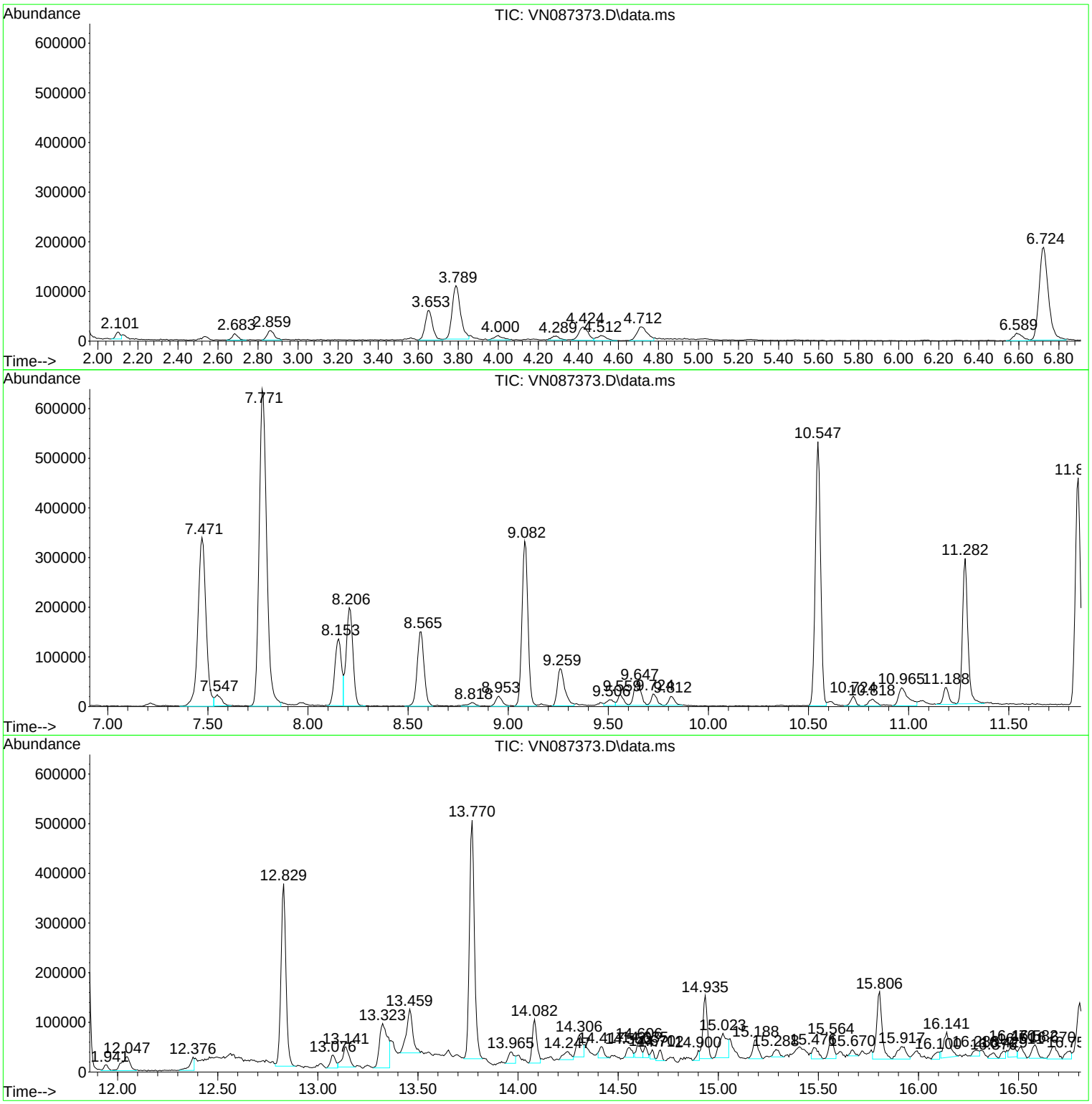
Sample Results: **VN087373.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

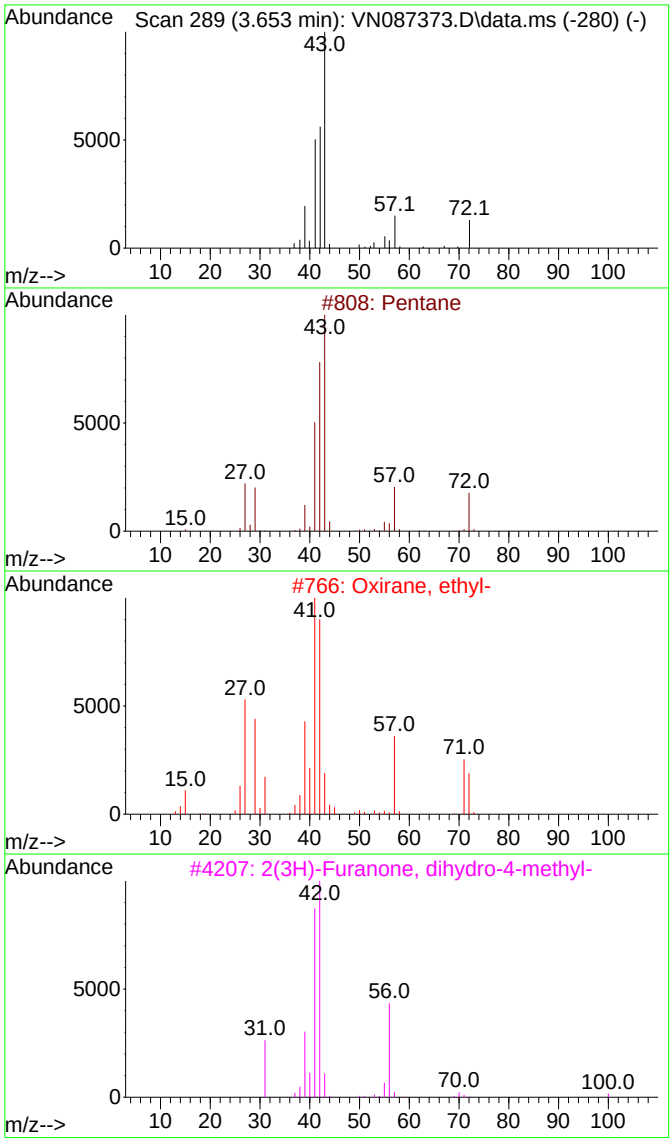
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

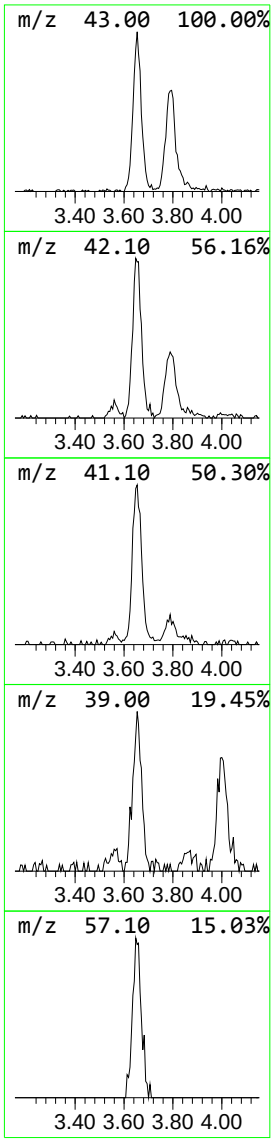
****

Peak Number 1 Pentane Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.653	16.92 ug/l	153096	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane	72	C5H12	000109-66-0	86
2	Oxirane, ethyl-	72	C4H8O	000106-88-7	53
3	2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	28
4	Diaziridine,3,3-dimethyl-	72	C3H8N2	004901-76-2	9
5	3-Buten-1-ol	72	C4H8O	000627-27-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

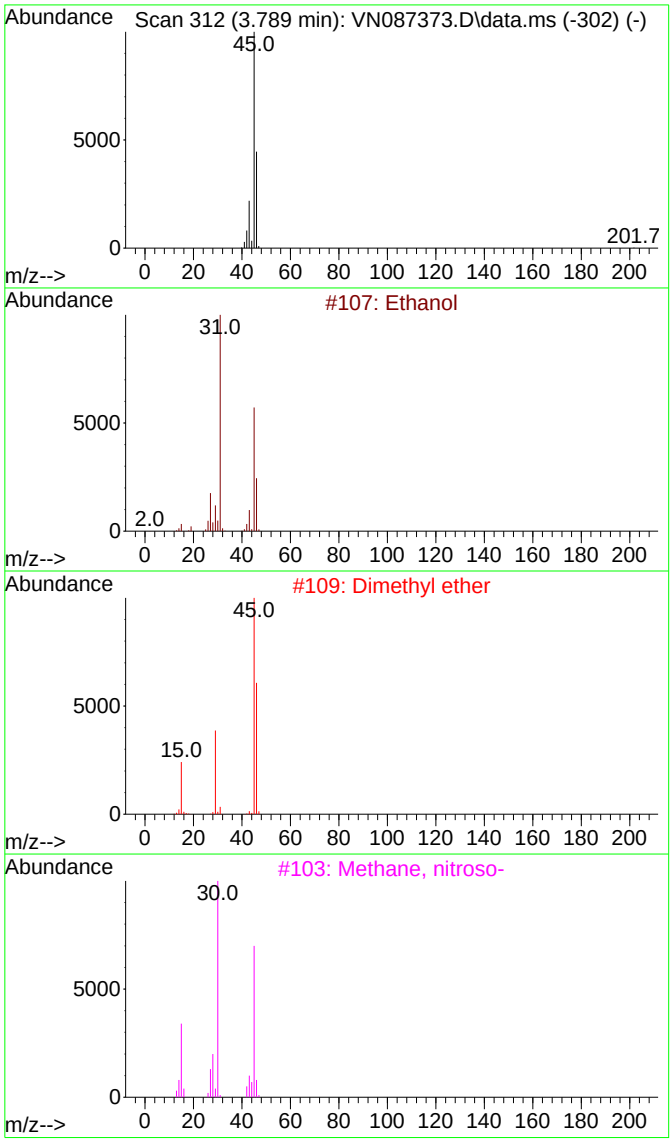
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

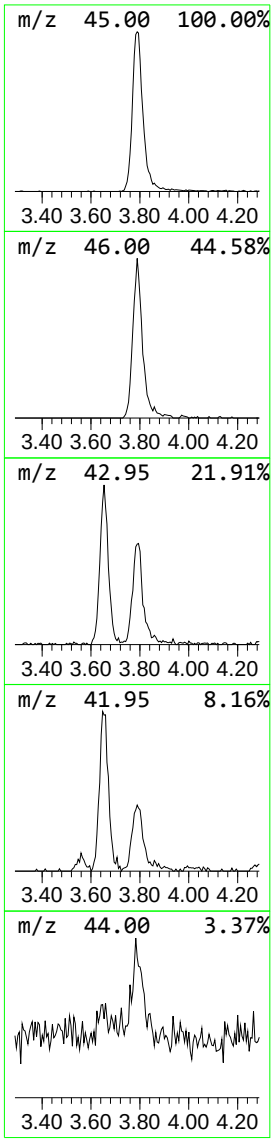
****

Peak Number 2 Ethanol Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.789	34.26 ug/l	310010	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Ethanol	46	C2H6O	000064-17-5	74
2	Dimethyl ether	46	C2H6O	000115-10-6	9
3	Methane, nitroso-	45	CH3NO	000865-40-7	4
4	Formic acid	46	CH2O2	000064-18-6	4
5	Oxalic acid	90	C2H2O4	000144-62-7	4





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

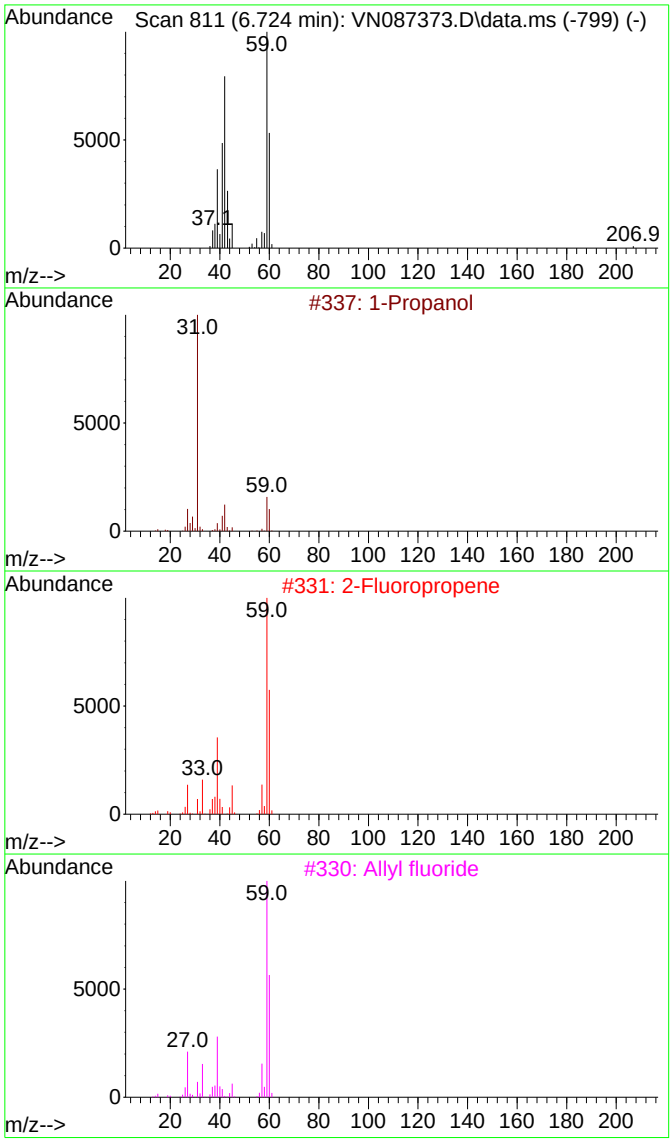
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

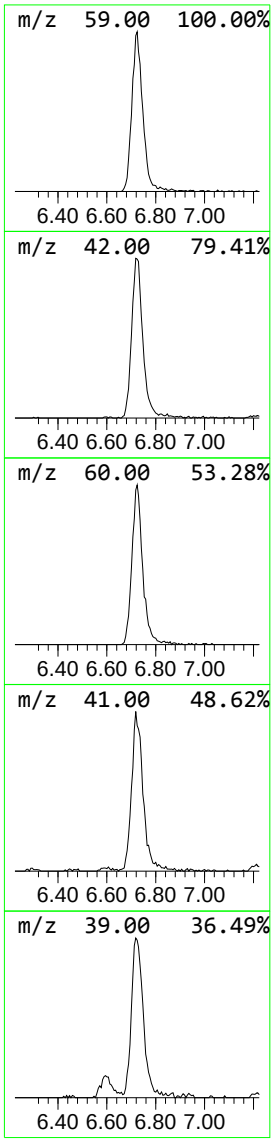
****

Peak Number 3 1-Propanol Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
6.724	66.29 ug/l	599800	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Propanol	60	C3H8O	000071-23-8	78
2	2-Fluoropropene	60	C3H5F	001184-60-7	49
3	Allyl fluoride	60	C3H5F	000818-92-8	43
4	Isoxazolidine, 4-ethyl-2,5-dimet...	129	C7H15NO	056728-13-3	28
5	Isoxazolidine, 5-ethyl-2,4-dimet...	129	C7H15NO	056728-14-4	23





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

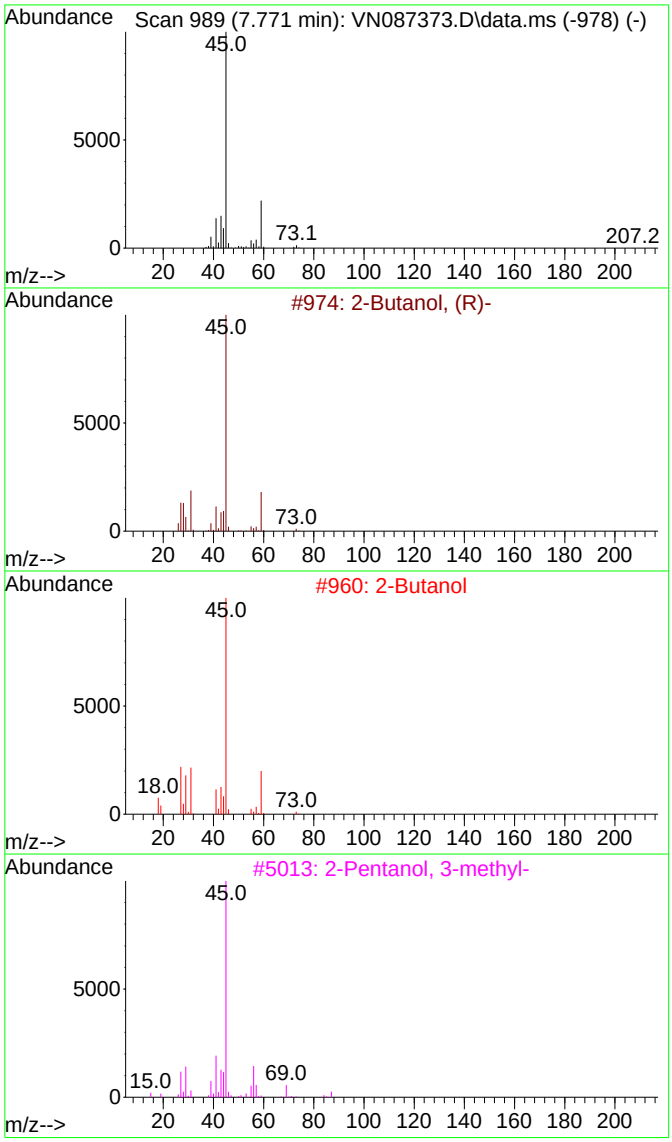
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

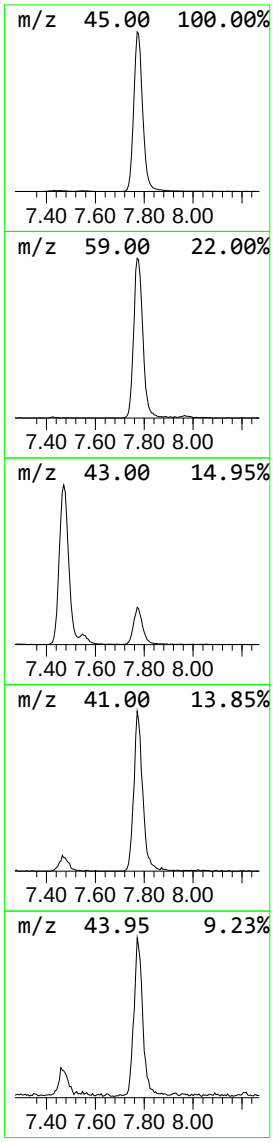
****

Peak Number 4 2-Butanol, (R)- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.771	182.88 ug/l	1654650	Pentafluorobenzene	8.206

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Butanol, (R)-	74	C4H10O	014898-79-4	83
2	2-Butanol	74	C4H10O	000078-92-2	83
3	2-Pentanol, 3-methyl-	102	C6H14O	000565-60-6	59
4	Isopropyl Alcohol	60	C3H8O	000067-63-0	42
5	2-Hexanol	102	C6H14O	000626-93-7	38





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

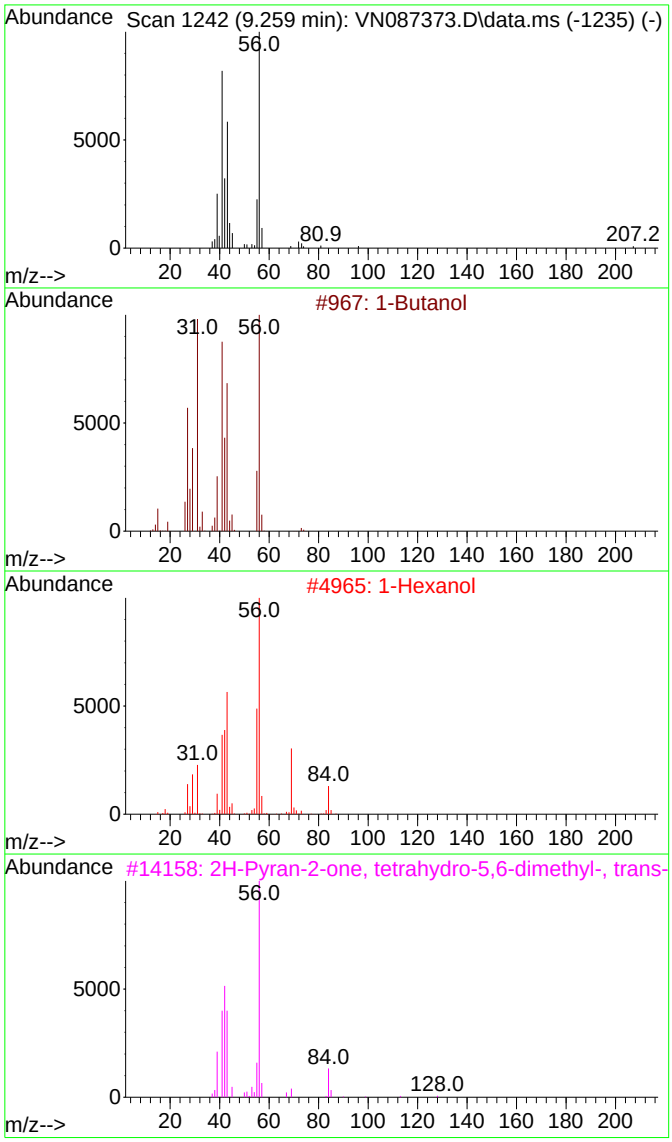
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

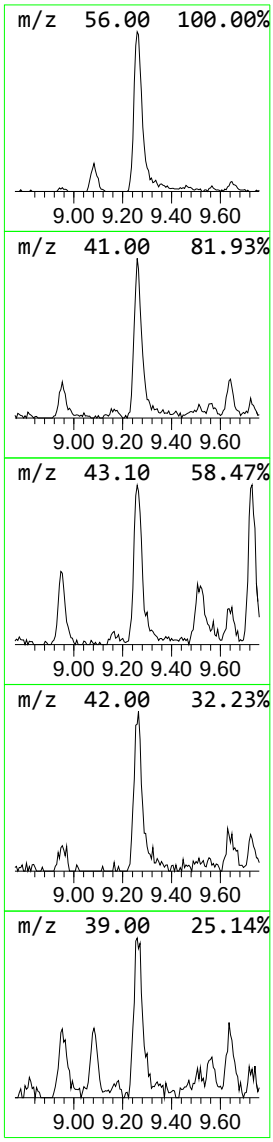
****

Peak Number 5 1-Butanol Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.259	13.92 ug/l	191421	1,4-Difluorobenzene	9.088

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Butanol	74	C4H10O	000071-36-3	90
2	1-Hexanol	102	C6H14O	000111-27-3	38
3	2H-Pyran-2-one, tetrahydro-5,6-d...	128	C7H12O2	024405-16-1	36
4	1-Pentene, 2,4-dimethyl-	98	C7H14	002213-32-3	36
5	Cyclobutane	56	C4H8	000287-23-0	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

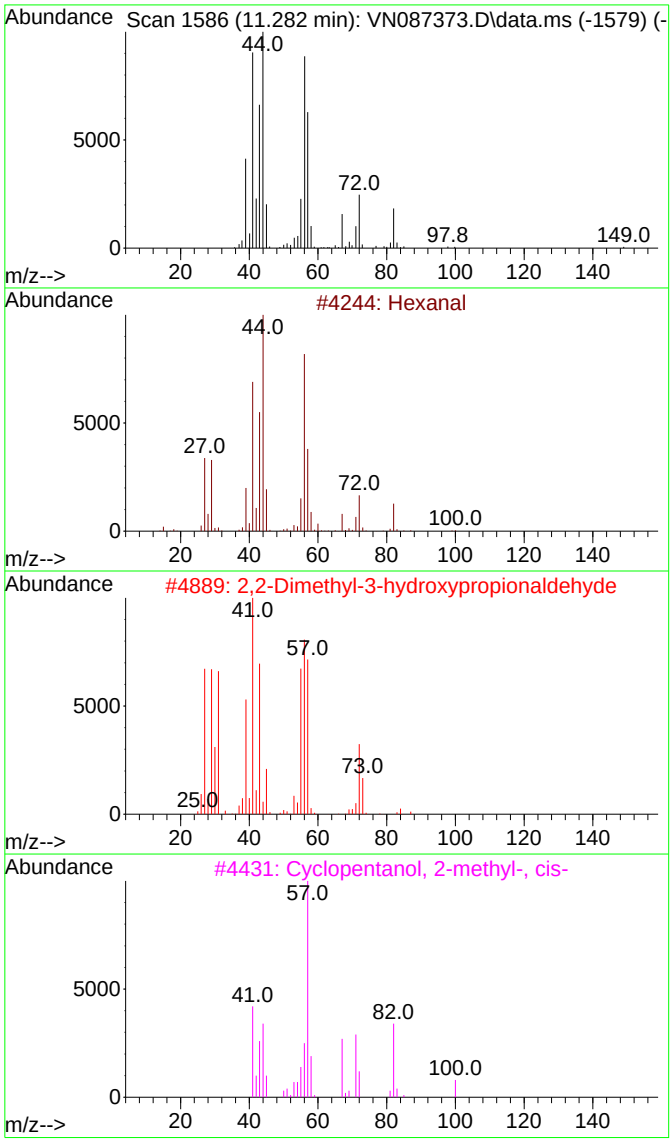
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

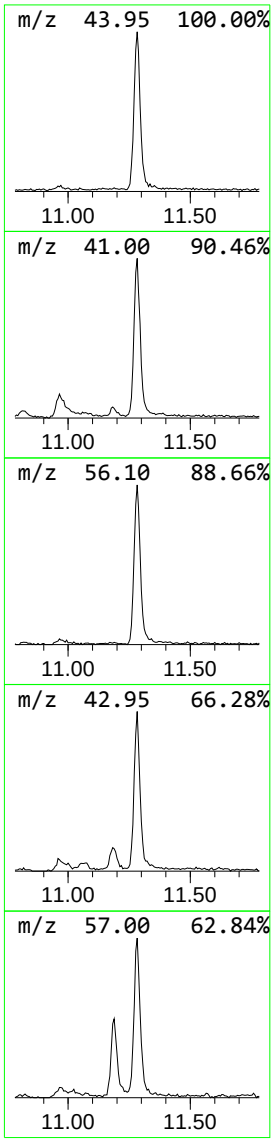
****

Peak Number 6 Hexanal Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.282	33.08 ug/l	542496	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Hexanal	100	C6H12O	000066-25-1	81
2	2,2-Dimethyl-3-hydroxypropionald...	102	C5H10O2	000597-31-9	37
3	Cyclopentanol, 2-methyl-, cis-	100	C6H12O	025144-05-2	35
4	Urea, trimethyl-	102	C4H10N2O	000632-14-4	25
5	Aziridine, 2-methyl-	57	C3H7N	000075-55-8	22





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

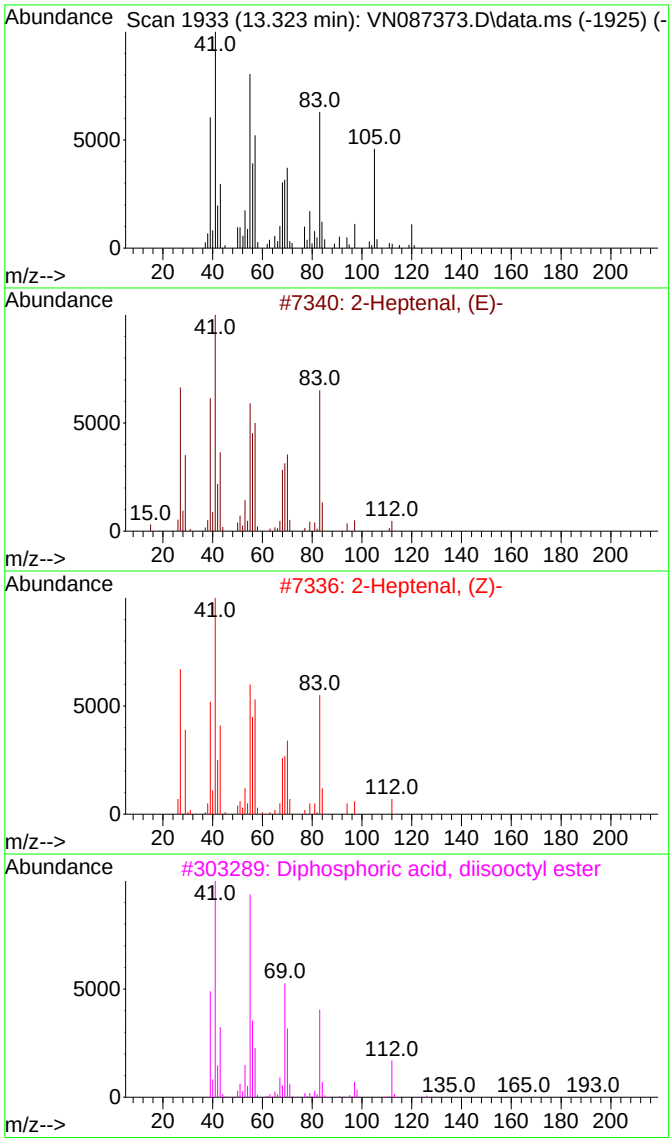
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

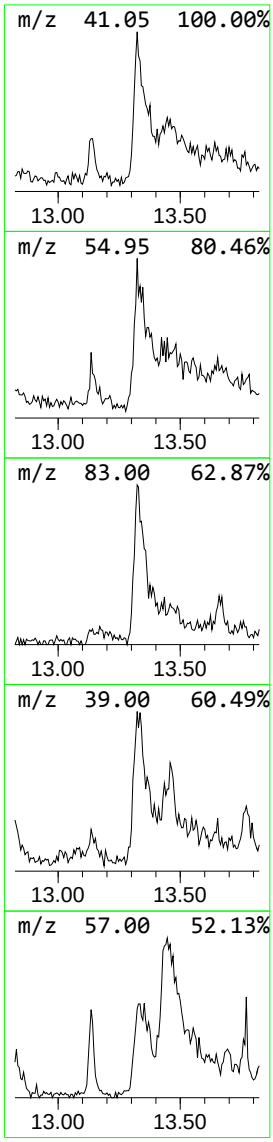
****

Peak Number 7 2-Heptenal, (E)- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.323	15.39 ug/l	256110	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Heptenal, (E)-	112	C7H12O	018829-55-5	86
2	2-Heptenal, (Z)-	112	C7H12O	057266-86-1	78
3	Diphosphoric acid, diisooctyl ester	402	C16H36O7P2	072101-07-6	64
4	4-Pentenal	84	C5H8O	002100-17-6	49
5	2-Pentyn-1-ol	84	C5H8O	006261-22-9	46





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

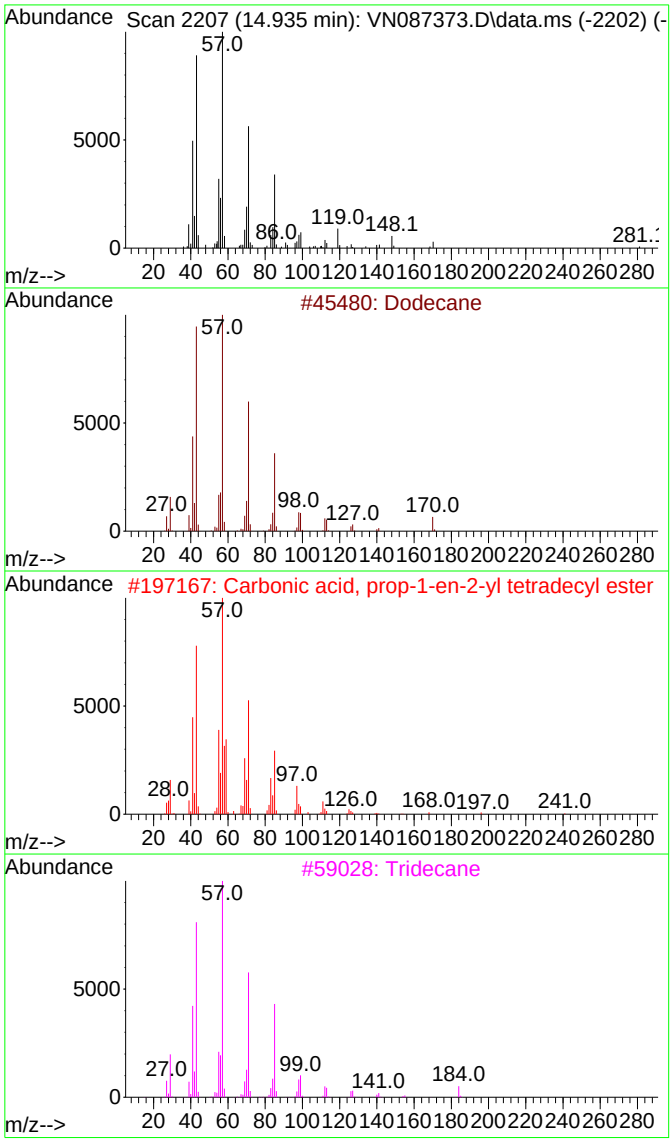
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

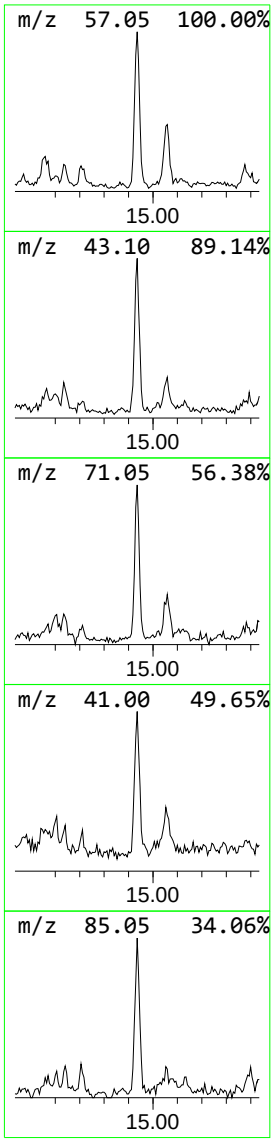
****

Peak Number 8 Dodecane Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.935	11.71 ug/l	194907	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Dodecane	170	C12H26	000112-40-3	87
2	Carbonic acid, prop-1-en-2-yl te...	298	C18H34O3	1000382-90-9	86
3	Tridecane	184	C13H28	000629-50-5	72
4	Tetradecane	198	C14H30	000629-59-4	72
5	Undecane, 4,6-dimethyl-	184	C13H28	017312-82-2	59





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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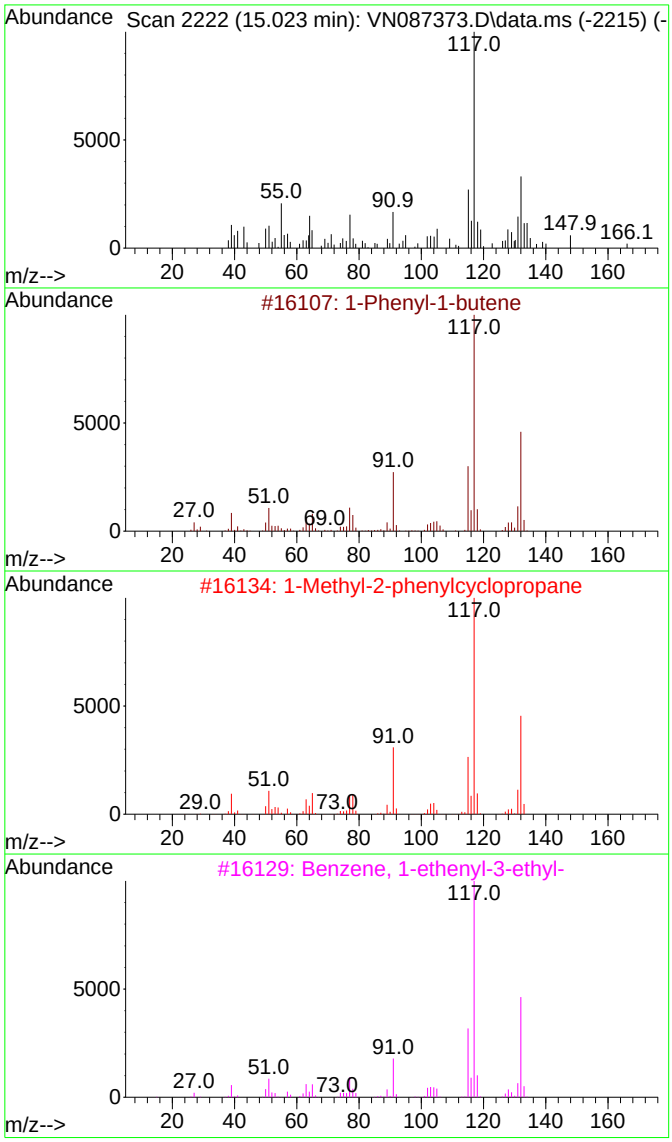
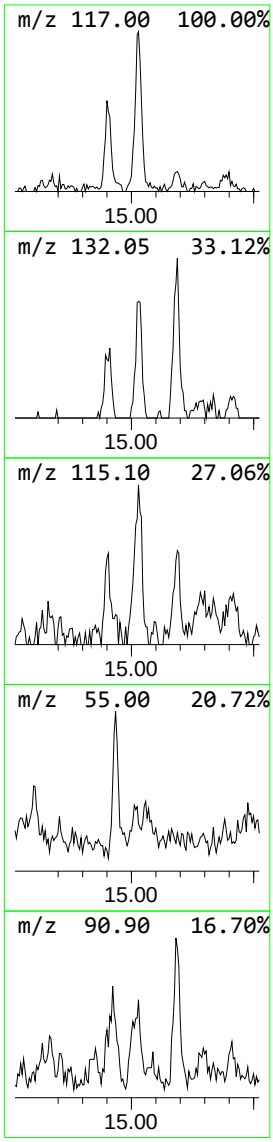
Peak Number 9 1-Phenyl-1-butene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	8.50 ug/l	141552	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	1-Phenyl-1-butene	132	C10H12	000824-90-8	81
2	1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	81
3	Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	76
4	Benzene, 2-butenyl-	132	C10H12	001560-06-1	74
5	Indan, 1-methyl-	132	C10H12	000767-58-8	74





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

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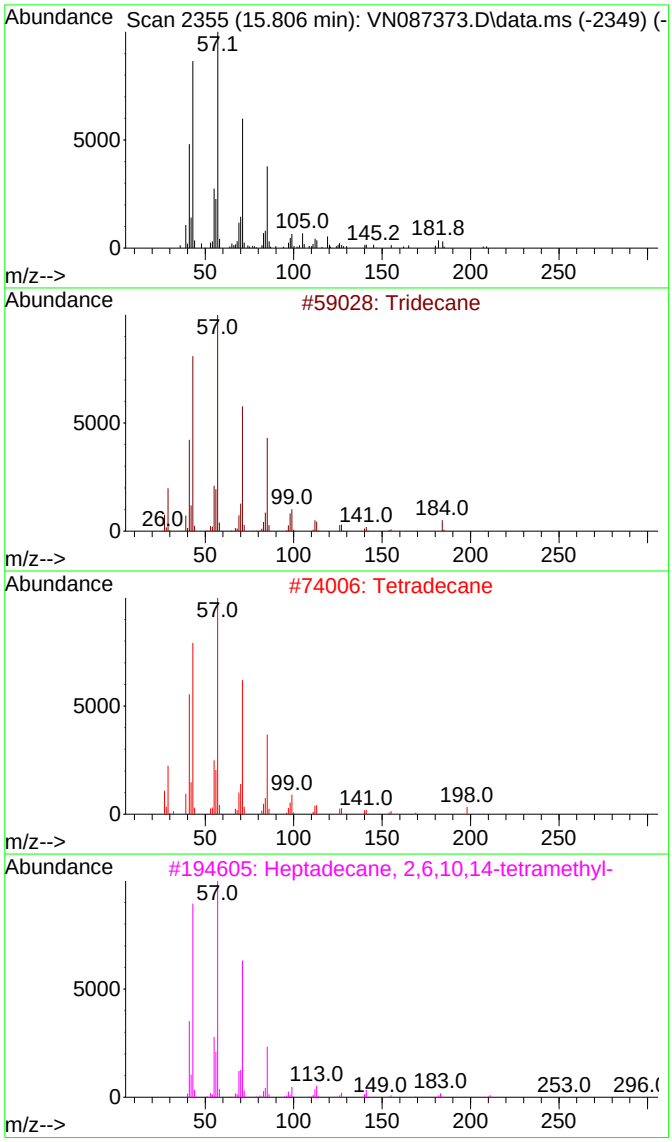
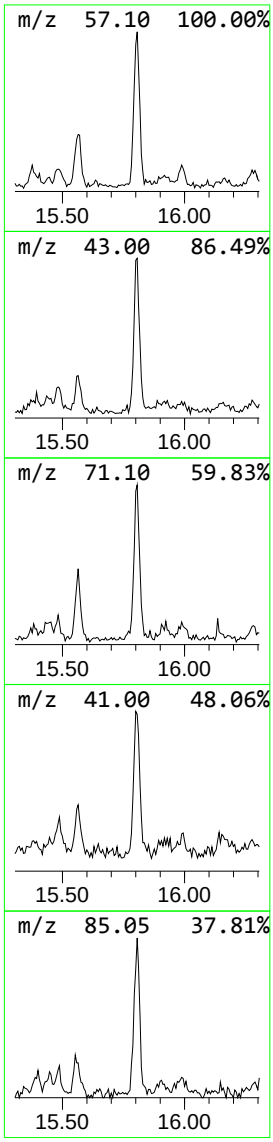
Peak Number 10 Tridecane Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.806	15.04 ug/l	250431	1,4-Dichlorobenzene-d4	13.770

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Tridecane	184	C13H28	000629-50-5	93
2	Tetradecane	198	C14H30	000629-59-4	72
3	Heptadecane, 2,6,10,14-tetramethyl-	296	C21H44	018344-37-1	72
4	Dodecane	170	C12H26	000112-40-3	64
5	Decane, 3,6-dimethyl-	170	C12H26	017312-53-7	64





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087373.D
Acq On : 21 Jul 2025 12:51
Operator : JC\MD
Sample : Q2646-01 5X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
FRAC TANK

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Pentane	3.653	16.9	ug/l	153096	1	8.206	452389	50.0
Ethanol	3.789	34.3	ug/l	310010	1	8.206	452389	50.0
1-Propanol	6.724	66.3	ug/l	599800	1	8.206	452389	50.0
2-Butanol, (R)-	7.771	182.9	ug/l	1654650	1	8.206	452389	50.0
1-Butanol	9.259	13.9	ug/l	191421	2	9.088	687726	50.0
Hexanal	11.282	33.1	ug/l	542496	3	11.847	819883	50.0
2-Heptenal, (E)-	13.323	15.4	ug/l	256110	4	13.770	832331	50.0
Dodecane	14.935	11.7	ug/l	194907	4	13.770	832331	50.0
1-Phenyl-1-butene	15.023	8.5	ug/l	141552	4	13.770	832331	50.0
Tridecane	15.806	15.0	ug/l	250431	4	13.770	832331	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

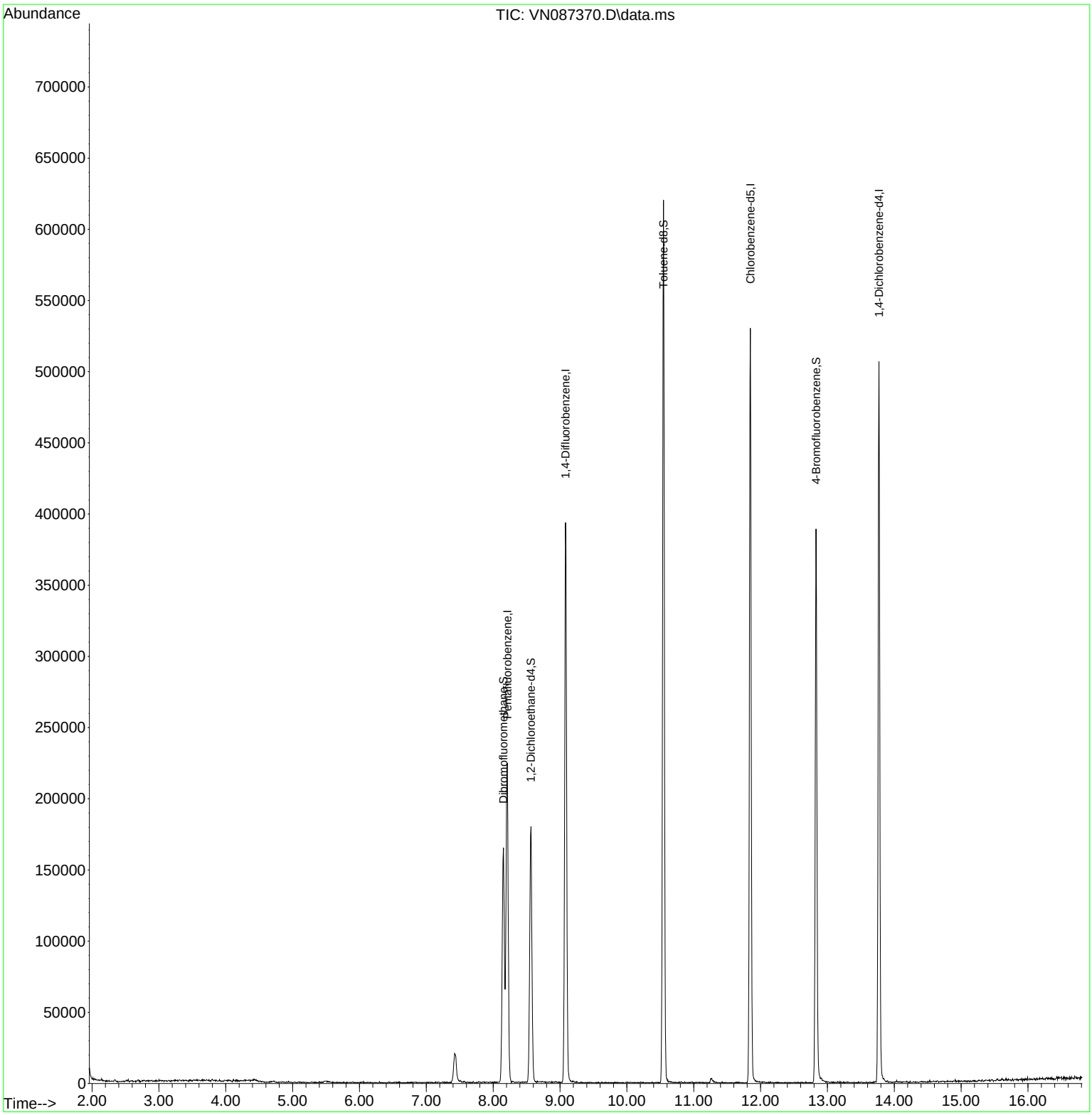
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	164239	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	328305	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	300772	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	133337	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152384	54.681	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.360%			
35) Dibromofluoromethane	8.153	113	116283	51.347	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.700%			
50) Toluene-d8	10.547	98	411775	50.973	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.940%			
62) 4-Bromofluorobenzene	12.829	95	138566	46.428	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.860%			
Target Compounds						Qvalue

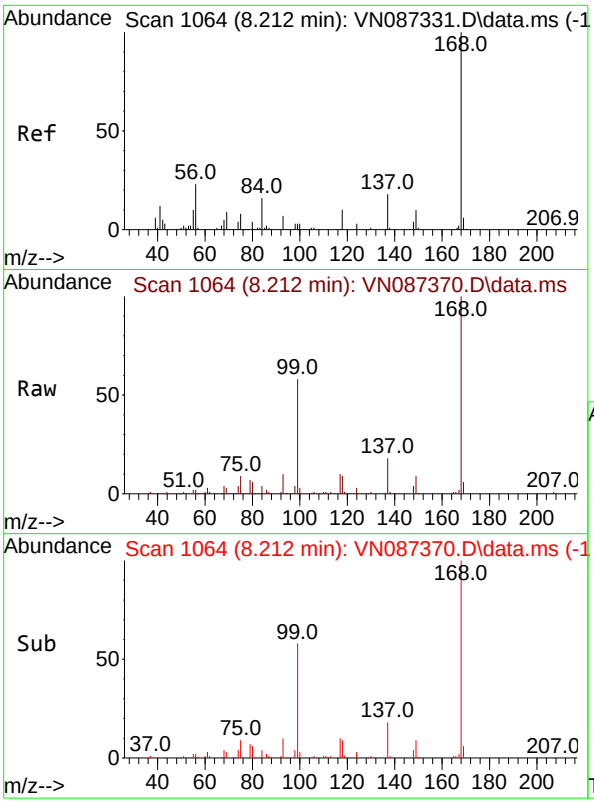
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Time: Jul 22 03:04:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



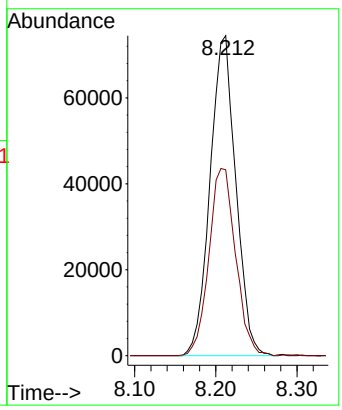


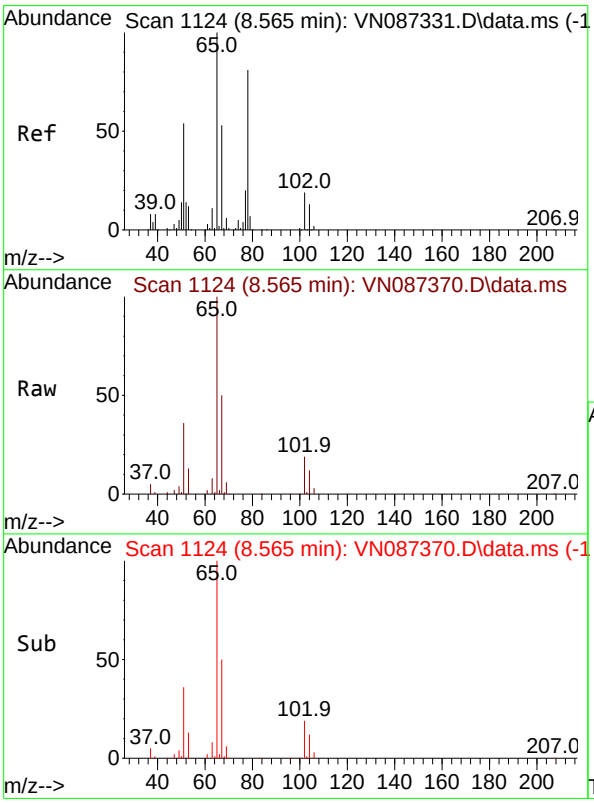
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:168 Resp: 164239

Ion	Ratio	Lower	Upper
168	100		
99	58.1	47.9	71.9

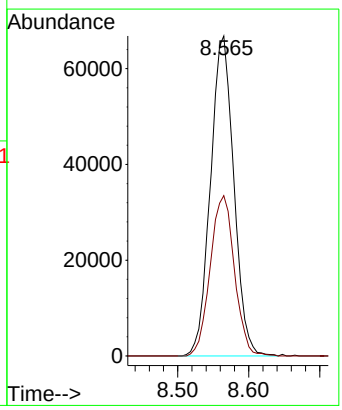


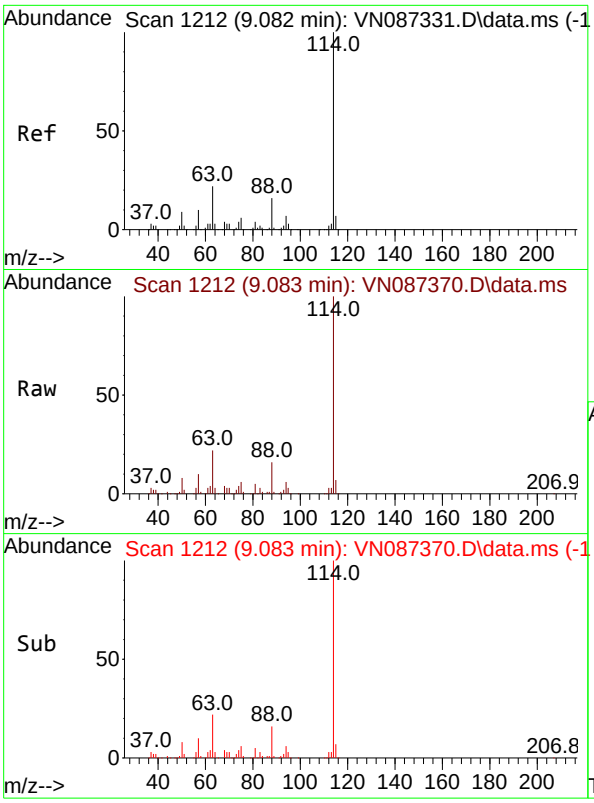


#33
1,2-Dichloroethane-d4
Concen: 54.681 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 65 Resp: 152384

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	104.0



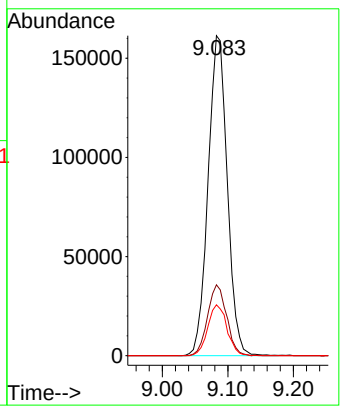


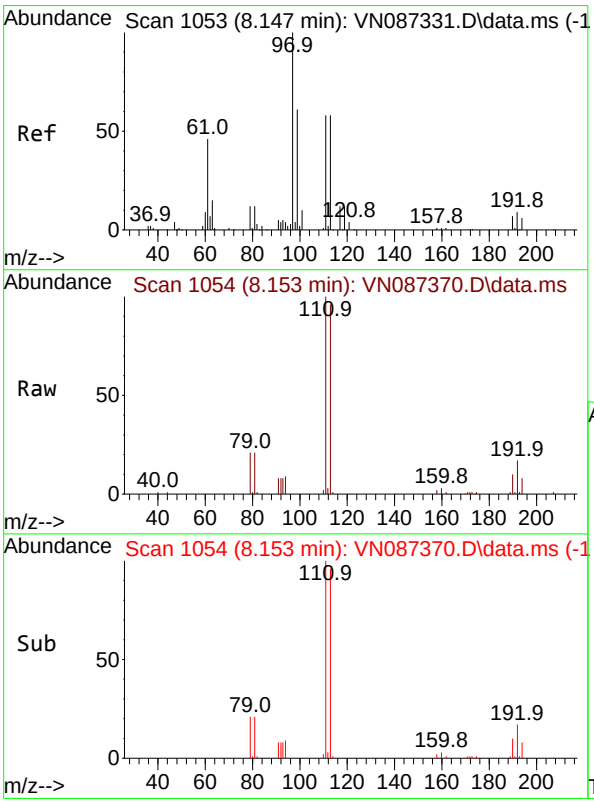
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:114 Resp: 328305

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	44.6
88	15.9	0.0	32.8

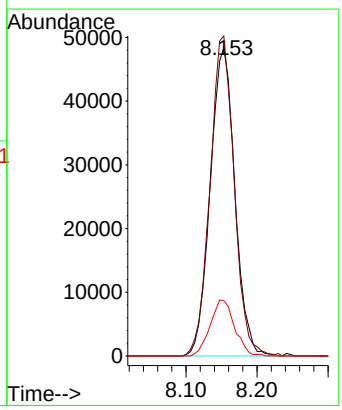


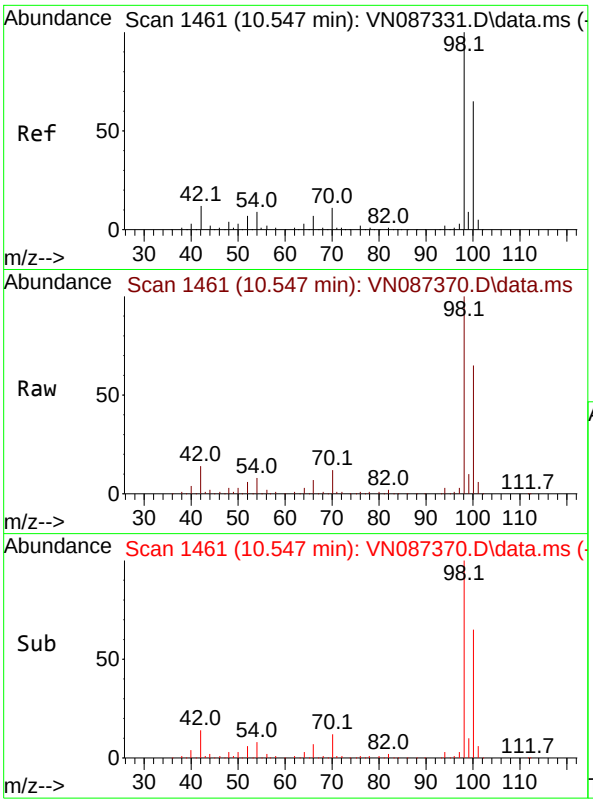


#35
Dibromofluoromethane
Concen: 51.347 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:113 Resp: 116283

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.5	123.7
192	18.0	13.7	20.5



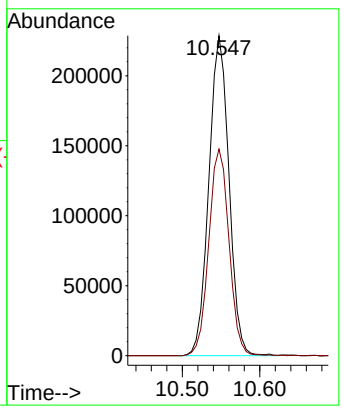


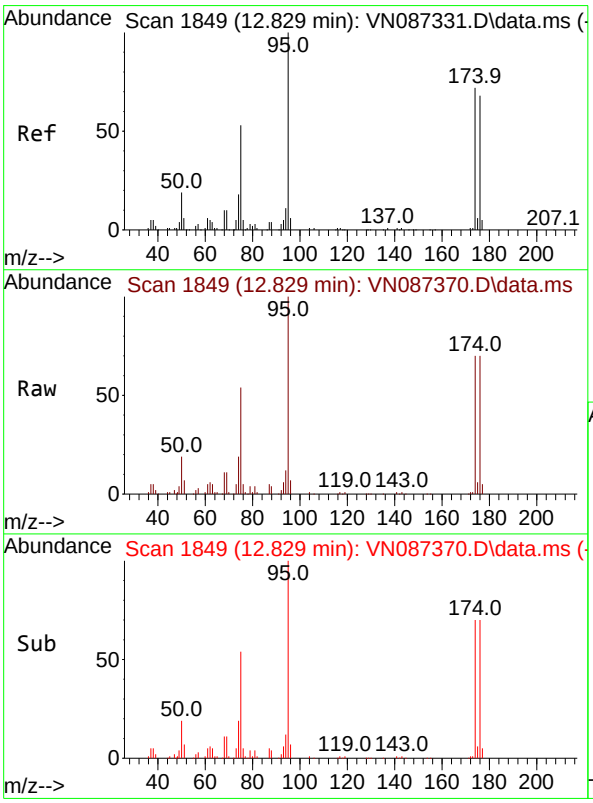
#50
Toluene-d8
Concen: 50.973 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion: 98 Resp: 411775

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.1	78.1

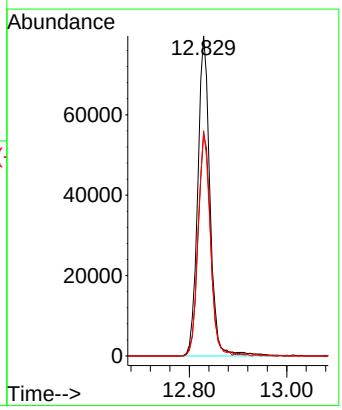


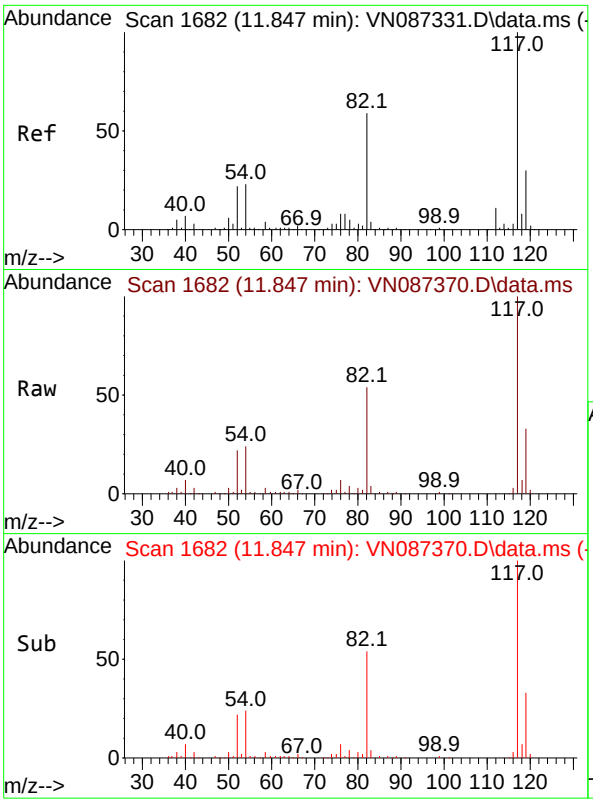


#62
4-Bromofluorobenzene
Concen: 46.428 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion: 95 Resp: 138566

Ion	Ratio	Lower	Upper
95	100		
174	71.3	0.0	149.4
176	70.0	0.0	141.2



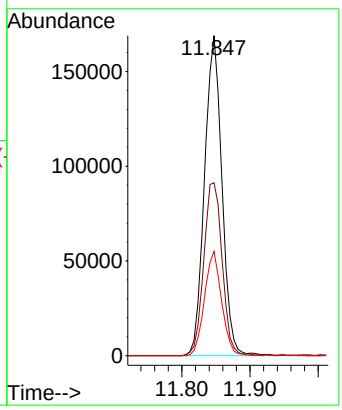


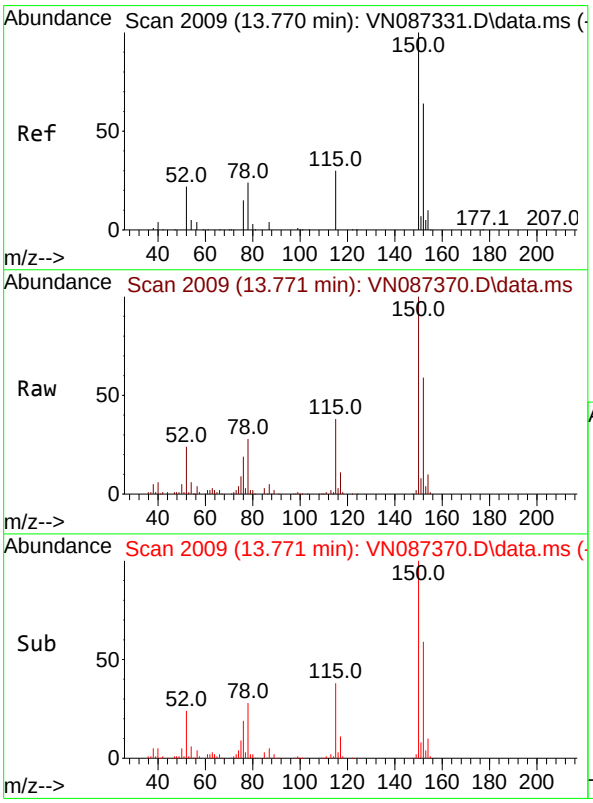
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Tgt Ion:117 Resp: 300772

Ion	Ratio	Lower	Upper
117	100		
82	54.1	47.4	71.2
119	32.6	23.8	35.8

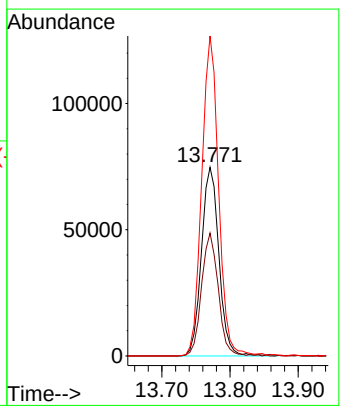




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087370.D
Acq: 21 Jul 2025 11:34

Tgt Ion:152 Resp: 133337

Ion	Ratio	Lower	Upper
152	100		
115	62.5	31.1	93.5
150	164.0	0.0	349.0



Sample Results: **VN087370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Title : SW846 8260

Signal : TIC: VN087370.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	921	930	942	rBV	20530	62679	5.60%	1.084%
2	8.153	1043	1054	1058	rBV	164711	381487	34.06%	6.598%
3	8.212	1058	1064	1074	rVB	224570	511925	45.70%	8.853%
4	8.565	1114	1124	1137	rBV	179724	412321	36.81%	7.131%
5	9.083	1203	1212	1227	rBV	393383	806859	72.04%	13.954%
6	10.547	1452	1461	1473	rBV	620225	1120091	100.00%	19.371%
7	11.847	1674	1682	1694	rBV	529955	951296	84.93%	16.452%
8	12.829	1841	1849	1860	rBV	389051	673661	60.14%	11.651%
9	13.771	2001	2009	2020	rBV	506181	861923	76.95%	14.906%

Sum of corrected areas: 5782242

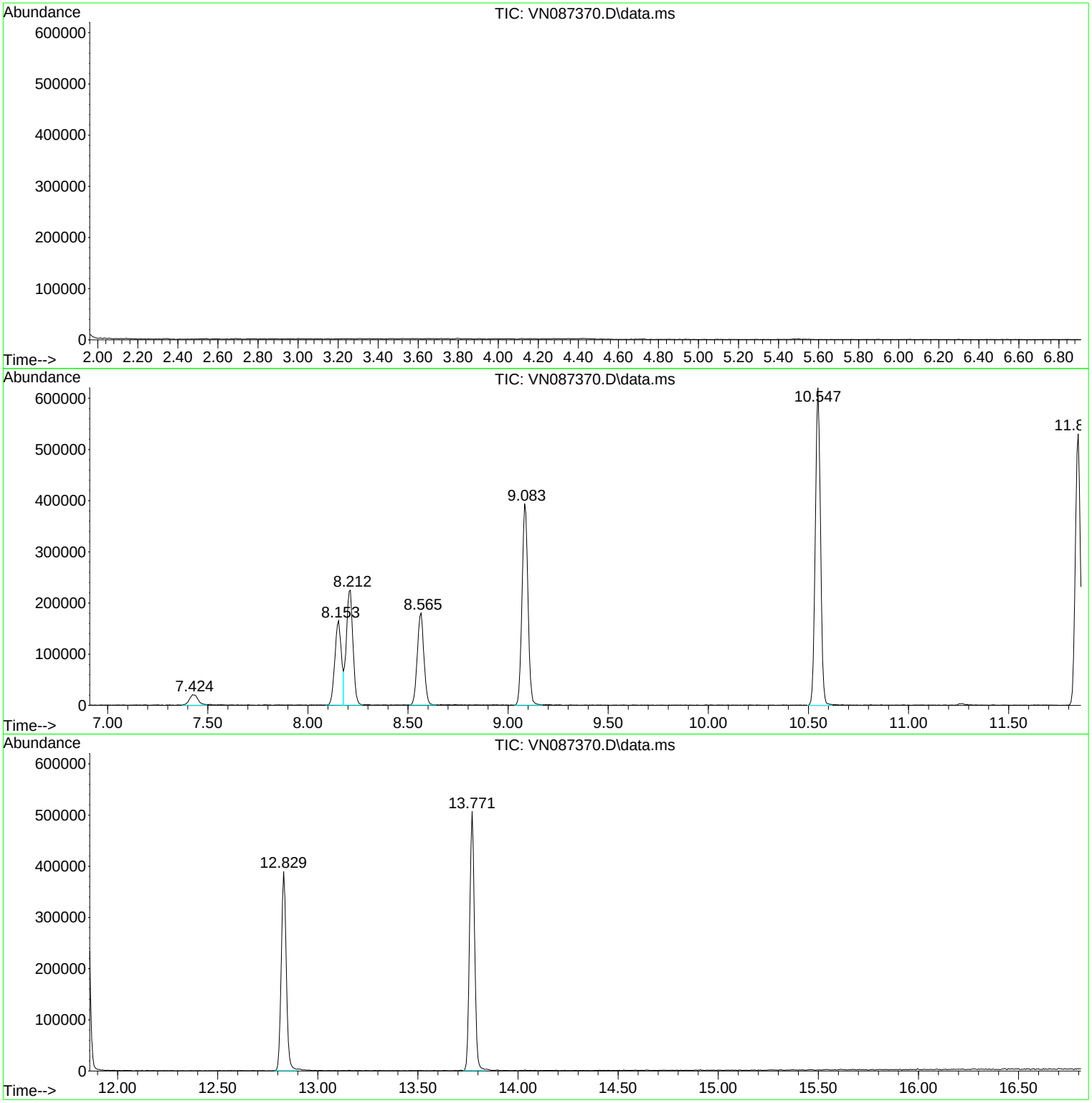
Sample Results: **VN087370.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P



Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087370.D
Acq On : 21 Jul 2025 11:34
Operator : JC\MD
Sample : VN0721WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

					Internal Standard			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	195078	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	337215	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	308523	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	161452	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	156616	47.315	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.640%			
35) Dibromofluoromethane	8.153	113	113549	48.815	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.640%			
50) Toluene-d8	10.547	98	418084	50.387	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.780%			
62) 4-Bromofluorobenzene	12.829	95	152963	49.898	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.800%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45478	21.949	ug/l	93
3) Chloromethane	2.389	50	49057	18.828	ug/l	96
4) Vinyl Chloride	2.542	62	49167	18.988	ug/l	97
5) Bromomethane	2.983	94	25728	19.187	ug/l	97
6) Chloroethane	3.142	64	30502	18.063	ug/l	92
7) Trichlorofluoromethane	3.512	101	73088	19.089	ug/l	89
8) Diethyl Ether	3.965	74	25832	17.392	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.365	101	40048	20.375	ug/l	98
10) Methyl Iodide	4.577	142	28199	18.006	ug/l	98
11) Tert butyl alcohol	5.524	59	53952	85.841	ug/l	98
12) 1,1-Dichloroethene	4.336	96	40303	18.095	ug/l	95
13) Acrolein	4.183	56	42192	83.649	ug/l	93
14) Allyl chloride	5.018	41	69156	17.157	ug/l	99
15) Acrylonitrile	5.712	53	142826	83.743	ug/l	99
16) Acetone	4.424	43	133162	85.801	ug/l	99
17) Carbon Disulfide	4.706	76	121611	18.416	ug/l	95
18) Methyl Acetate	5.018	43	68652	17.607	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	140893	17.162	ug/l	97
20) Methylene Chloride	5.271	84	46556	17.327	ug/l	89
21) trans-1,2-Dichloroethene	5.771	96	44578	17.750	ug/l	92
22) Diisopropyl ether	6.659	45	157889	18.674	ug/l	94
23) Vinyl Acetate	6.588	43	694729	93.948	ug/l	99
24) 1,1-Dichloroethane	6.559	63	85653	17.559	ug/l	98
25) 2-Butanone	7.471	43	207099	86.364	ug/l	99
26) 2,2-Dichloropropane	7.477	77	77666	20.479	ug/l	96
27) cis-1,2-Dichloroethene	7.471	96	51900	17.950	ug/l	98
28) Bromochloromethane	7.800	49	41440	17.751	ug/l	99
29) Tetrahydrofuran	7.830	42	131520	84.427	ug/l	99
30) Chloroform	7.947	83	87539	17.929	ug/l	97
31) Cyclohexane	8.241	56	81992	20.149	ug/l	93
32) 1,1,1-Trichloroethane	8.153	97	78792	18.632	ug/l	97
36) 1,1-Dichloropropene	8.359	75	61263	19.935	ug/l	100
37) Ethyl Acetate	7.553	43	78541	17.696	ug/l	96
38) Carbon Tetrachloride	8.347	117	66297	19.583	ug/l	93
39) Methylcyclohexane	9.582	83	69647	20.933	ug/l #	91
40) Benzene	8.588	78	192485	19.379	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	41272	17.784	ug/l		96
42) 1,2-Dichloroethane	8.653	62	68935	18.301	ug/l		99
43) Isopropyl Acetate	8.677	43	124383	18.053	ug/l		100
44) Trichloroethene	9.335	130	44065	18.776	ug/l		86
45) 1,2-Dichloropropane	9.600	63	48604	19.258	ug/l	#	87
46) Dibromomethane	9.694	93	34607	18.314	ug/l		98
47) Bromodichloromethane	9.871	83	69750	18.326	ug/l		94
48) Methyl methacrylate	9.665	41	55452	17.877	ug/l		97
49) 1,4-Dioxane	9.677	88	17060	359.104	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.429	43	401014	92.023	ug/l		99
52) Toluene	10.612	92	116138	19.237	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	72070	18.710	ug/l		100
54) cis-1,3-Dichloropropene	10.294	75	74540	18.734	ug/l		96
55) 1,1,2-Trichloroethane	11.000	97	45751	18.718	ug/l	#	87
56) Ethyl methacrylate	10.859	69	66938	17.074	ug/l		97
57) 1,3-Dichloropropane	11.141	76	78676	18.617	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	195869	97.690	ug/l		100
59) 2-Hexanone	11.176	43	264794	91.587	ug/l		99
60) Dibromochloromethane	11.341	129	52477	18.826	ug/l		96
61) 1,2-Dibromoethane	11.453	107	44615	17.360	ug/l		99
64) Tetrachloroethene	11.082	164	36432	18.347	ug/l		97
65) Chlorobenzene	11.871	112	128645	18.573	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.941	131	44082	18.716	ug/l		99
67) Ethyl Benzene	11.941	91	206561	18.115	ug/l		99
68) m/p-Xylenes	12.053	106	168727	39.515	ug/l		98
69) o-Xylene	12.376	106	75002	18.388	ug/l		100
70) Styrene	12.394	104	132593	19.325	ug/l		99
71) Bromoform	12.559	173	34591	18.179	ug/l	#	97
73) Isopropylbenzene	12.676	105	198119	19.497	ug/l		98
74) N-amyl acetate	12.512	43	82883m	19.632	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	70547	18.451	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	61699m	17.042	ug/l		
77) Bromobenzene	12.959	156	49824	18.906	ug/l		99
78) n-propylbenzene	13.018	91	256928	20.096	ug/l		100
79) 2-Chlorotoluene	13.106	91	152583	19.419	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	174332	20.136	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	22951	17.345	ug/l		95
82) 4-Chlorotoluene	13.200	91	154290	18.861	ug/l		99
83) tert-Butylbenzene	13.417	119	146165	20.214	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	177920	20.123	ug/l		100
85) sec-Butylbenzene	13.594	105	220837	20.275	ug/l		99
86) p-Isopropyltoluene	13.706	119	181563	20.801	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98893	19.120	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99576	18.026	ug/l		95
89) n-Butylbenzene	14.035	91	170515	20.458	ug/l		99
90) Hexachloroethane	14.306	117	36514	19.744	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	94733	19.334	ug/l		95
92) 1,2-Dibromo-3-Chloropr...	14.694	75	16367	16.304	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	55564	19.305	ug/l		99
94) Hexachlorobutadiene	15.476	225	24726	23.120	ug/l		96
95) Naphthalene	15.617	128	175395	17.202	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	54756	18.966	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025

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

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

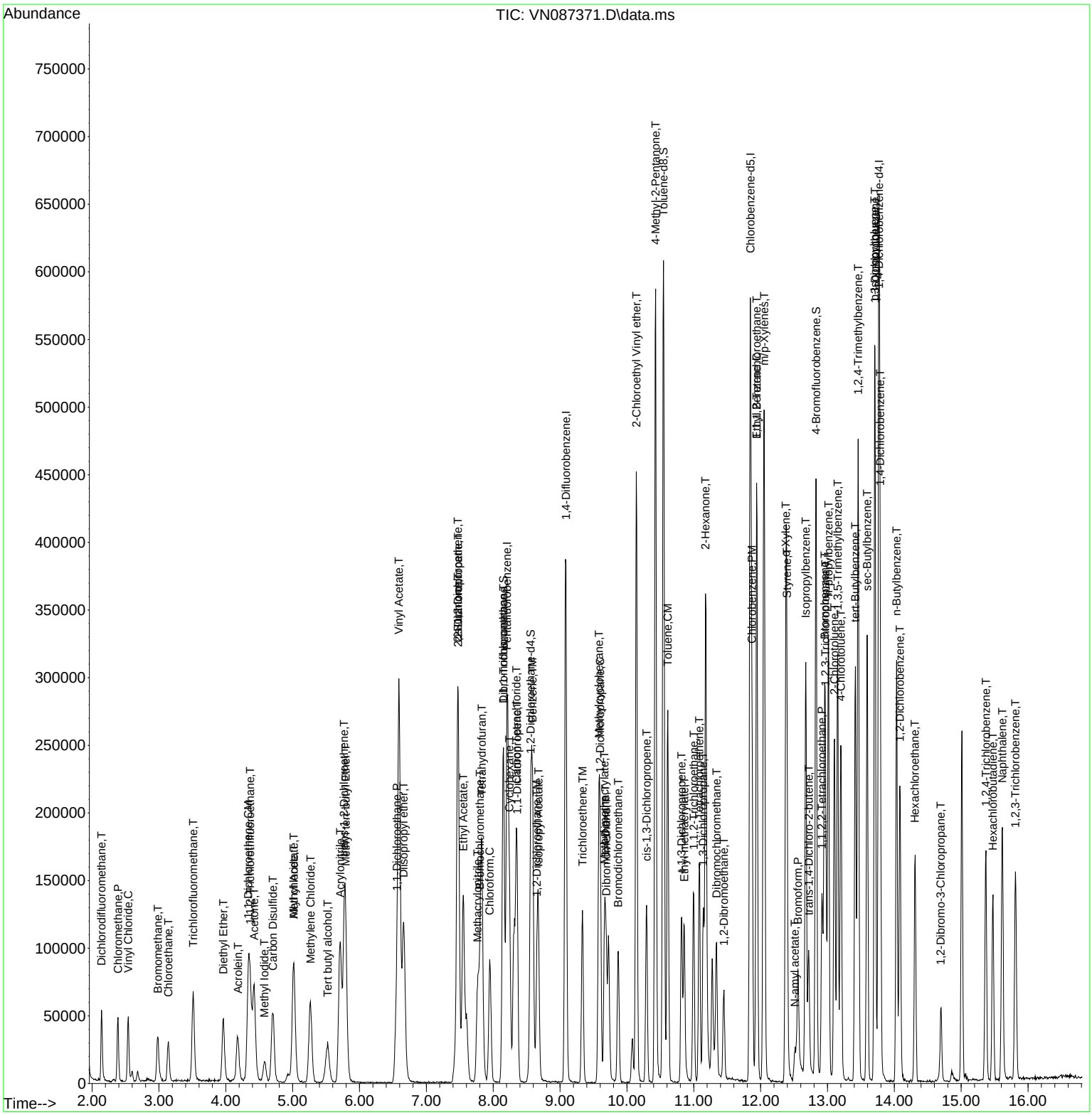
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087371.D
Acq On : 21 Jul 2025 11:55
Operator : JC\MD
Sample : VN0721WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jul 22 03:04:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Mahesh Dadoda 07/22/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	190787	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	328848	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	296338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	158557	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	152790	47.198	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.147	113	114140	50.318	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.640%			
50) Toluene-d8	10.547	98	409499	50.608	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.220%			
62) 4-Bromofluorobenzene	12.829	95	149416	49.981	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.960%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	45407	22.408	ug/l	90
3) Chloromethane	2.383	50	47847	18.776	ug/l	91
4) Vinyl Chloride	2.542	62	48142	19.010	ug/l	92
5) Bromomethane	2.983	94	26007	19.831	ug/l	98
6) Chloroethane	3.136	64	30475	18.453	ug/l	100
7) Trichlorofluoromethane	3.512	101	73764	19.698	ug/l	88
8) Diethyl Ether	3.959	74	25592	17.618	ug/l	89
9) 1,1,2-Trichlorotrifluo...	4.359	101	37700	19.612	ug/l	98
10) Methyl Iodide	4.577	142	30353	19.251	ug/l	98
11) Tert butyl alcohol	5.518	59	56647	92.156	ug/l	99
12) 1,1-Dichloroethene	4.330	96	38399	17.628	ug/l	93
13) Acrolein	4.177	56	42955	87.077	ug/l	98
14) Allyl chloride	5.018	41	65923	16.722	ug/l	98
15) Acrylonitrile	5.706	53	148783	89.198	ug/l	99
16) Acetone	4.430	43	126421	83.289	ug/l	99
17) Carbon Disulfide	4.700	76	119923	18.569	ug/l	96
18) Methyl Acetate	5.018	43	69706	18.279	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	144862	18.042	ug/l	99
20) Methylene Chloride	5.265	84	46355	17.652	ug/l	95
21) trans-1,2-Dichloroethene	5.771	96	43844	17.851	ug/l	86
22) Diisopropyl ether	6.659	45	157443	19.040	ug/l #	95
23) Vinyl Acetate	6.589	43	712495	98.517	ug/l	99
24) 1,1-Dichloroethane	6.547	63	86682	18.170	ug/l	97
25) 2-Butanone	7.471	43	206854	88.202	ug/l	99
26) 2,2-Dichloropropane	7.471	77	75365	20.319	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	52133	18.436	ug/l	96
28) Bromochloromethane	7.800	49	42566	18.643	ug/l	99
29) Tetrahydrofuran	7.830	42	136575	89.644	ug/l	96
30) Chloroform	7.947	83	87803	18.388	ug/l	99
31) Cyclohexane	8.235	56	78716	19.779	ug/l	98
32) 1,1,1-Trichloroethane	8.153	97	78287	18.929	ug/l	93
36) 1,1-Dichloropropene	8.353	75	59988	20.016	ug/l	99
37) Ethyl Acetate	7.547	43	77704	17.953	ug/l	98
38) Carbon Tetrachloride	8.347	117	65528	19.849	ug/l	99
39) Methylcyclohexane	9.582	83	67946	20.941	ug/l	96
40) Benzene	8.588	78	185496	19.151	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	40867	18.057	ug/l		95
42) 1,2-Dichloroethane	8.653	62	69079	18.806	ug/l		99
43) Isopropyl Acetate	8.671	43	127752	19.014	ug/l		99
44) Trichloroethene	9.335	130	43070	18.818	ug/l		96
45) 1,2-Dichloropropane	9.606	63	47601	19.341	ug/l		100
46) Dibromomethane	9.694	93	34895	18.937	ug/l		99
47) Bromodichloromethane	9.865	83	69620	18.757	ug/l		98
48) Methyl methacrylate	9.665	41	57104	18.878	ug/l		99
49) 1,4-Dioxane	9.688	88	16301	351.858	ug/l	#	93
51) 4-Methyl-2-Pentanone	10.429	43	399338	93.970	ug/l		99
52) Toluene	10.612	92	114736	19.488	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	70010	18.637	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	75349	19.419	ug/l		97
55) 1,1,2-Trichloroethane	10.994	97	46825	19.645	ug/l		88
56) Ethyl methacrylate	10.859	69	69998	18.249	ug/l		95
57) 1,3-Dichloropropane	11.147	76	78181	18.971	ug/l		97
58) 2-Chloroethyl Vinyl ether	10.141	63	202470	103.552	ug/l		100
59) 2-Hexanone	11.176	43	264149	93.688	ug/l		99
60) Dibromochloromethane	11.341	129	49899	18.357	ug/l		100
61) 1,2-Dibromoethane	11.447	107	47255	18.856	ug/l		95
64) Tetrachloroethene	11.082	164	36839	19.315	ug/l		95
65) Chlorobenzene	11.871	112	123556	18.571	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	43600	19.273	ug/l		100
67) Ethyl Benzene	11.941	91	204755	18.695	ug/l		100
68) m/p-Xylenes	12.047	106	159328	38.848	ug/l		100
69) o-Xylene	12.382	106	73560	18.777	ug/l		97
70) Styrene	12.394	104	127855	19.400	ug/l		99
71) Bromoform	12.559	173	34274	18.753	ug/l	#	96
73) Isopropylbenzene	12.676	105	192540	19.294	ug/l		100
74) N-amyl acetate	12.518	43	83031m	20.026	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	71491	19.039	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	62574m	17.599	ug/l		
77) Bromobenzene	12.959	156	48290	18.659	ug/l		98
78) n-propylbenzene	13.018	91	243308	19.379	ug/l		100
79) 2-Chlorotoluene	13.106	91	143207	18.559	ug/l		97
80) 1,3,5-Trimethylbenzene	13.153	105	162843	19.152	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	22418	17.252	ug/l		98
82) 4-Chlorotoluene	13.206	91	148212	18.449	ug/l		98
83) tert-Butylbenzene	13.418	119	138461	19.498	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	172373	19.852	ug/l		98
85) sec-Butylbenzene	13.594	105	212425	19.859	ug/l		100
86) p-Isopropyltoluene	13.706	119	175039	20.419	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	98015	19.297	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	99611	18.362	ug/l		98
89) n-Butylbenzene	14.035	91	168514	20.587	ug/l		99
90) Hexachloroethane	14.312	117	35162	19.360	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	94601	19.659	ug/l		94
92) 1,2-Dibromo-3-Chloropr...	14.700	75	16412	16.647	ug/l		98
93) 1,2,4-Trichlorobenzene	15.370	180	52419	18.545	ug/l		99
94) Hexachlorobutadiene	15.476	225	24088	22.935	ug/l		99
95) Naphthalene	15.617	128	172523	17.229	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	52053	18.358	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025

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

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

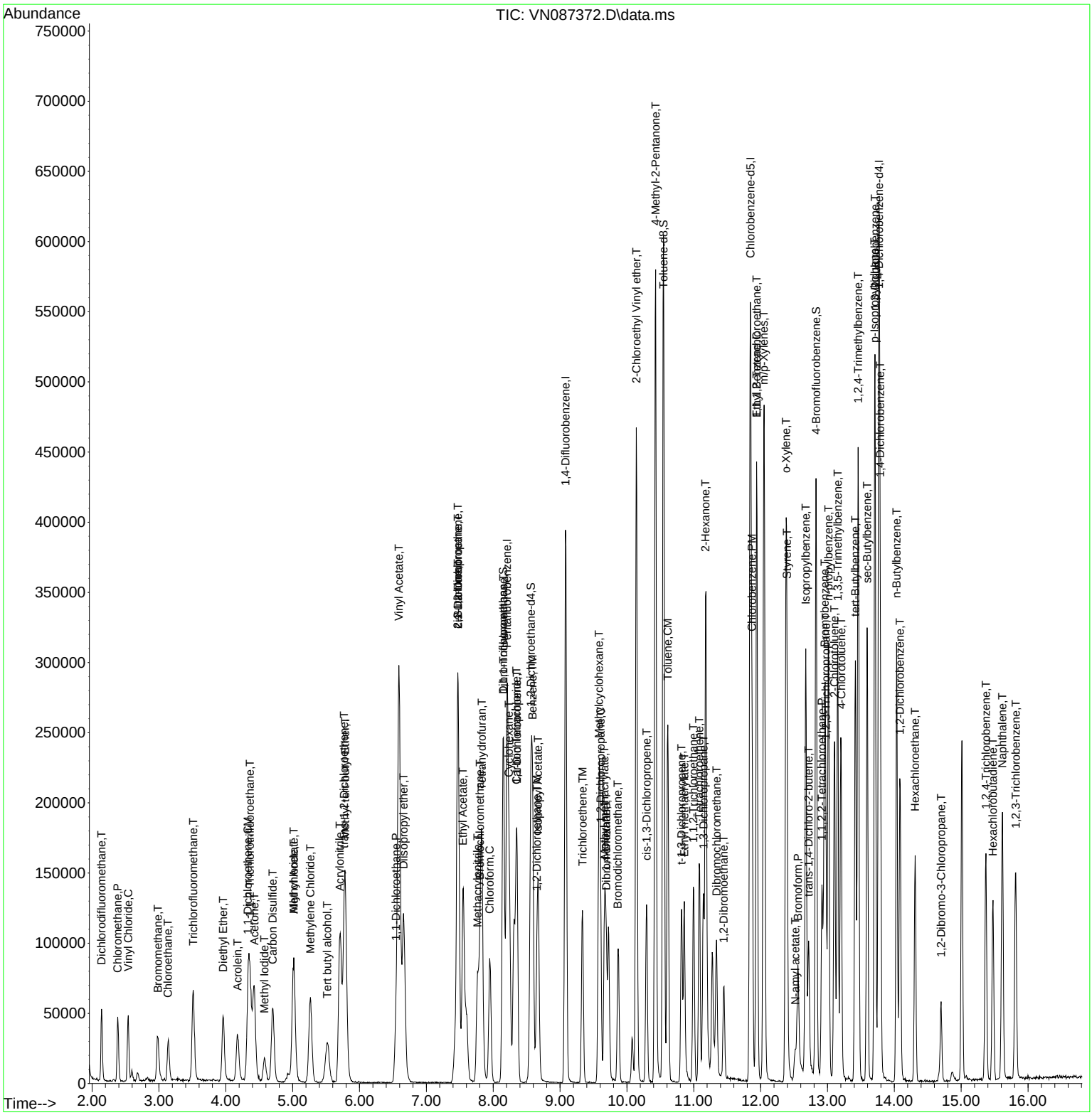
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN072125\
Data File : VN087372.D
Acq On : 21 Jul 2025 12:30
Operator : JC\MD
Sample : VN0721WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jul 22 03:05:24 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0721WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 07/22/2025
Supervised By :Semsettin Yesilyurt 07/22/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087328.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	1,4-Dichlorobenzene	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Acetone	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Allyl chloride	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	Methyl tert-butyl Ether	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC001	VN087328.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:52 AM	Sam	7/17/2025 8:24:59 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	Methyl Iodide	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC005	VN087329.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:53 AM	Sam	7/17/2025 8:24:55 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICC020	VN087330.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:54 AM	Sam	7/17/2025 8:24:56 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software
VSTDICCC050	VN087331.D	N-amyl acetate	MMDadoda	7/17/2025 8:19:56 AM	Sam	7/17/2025 8:25:01 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087332.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:58 AM	Sam	7/17/2025 8:25:00 AM	Peak Integrated by Software
VSTDICC150	VN087333.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:19:59 AM	Sam	7/17/2025 8:25:02 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	1,2,3-Trichloropropane	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software
VSTDICV050	VN087335.D	N-amyl acetate	MMDadoda	7/17/2025 8:20:01 AM	Sam	7/17/2025 8:25:03 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn072125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087368.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:11 AM	MMDadoda	7/22/2025 1:40:43 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBS01	VN087371.D	N-amyl acetate	JOHN	7/22/2025 9:00:17 AM	MMDadoda	7/22/2025 1:40:41 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VN0721WBSD01	VN087372.D	N-amyl acetate	JOHN	7/22/2025 9:00:21 AM	SAM	7/22/2025 1:54:42 PM	Peak Integrated by Software
VSTDCCC050	VN087387.D	1,2,3-Trichloropropane	JOHN	7/22/2025 9:00:47 AM	MMDadoda	7/22/2025 1:40:38 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087327.D	16 Jul 2025 16:10	JC\MD	Ok
2	VSTDICC001	VN087328.D	16 Jul 2025 17:05	JC\MD	Ok,M
3	VSTDICC005	VN087329.D	16 Jul 2025 17:27	JC\MD	Ok,M
4	VSTDICC020	VN087330.D	16 Jul 2025 17:49	JC\MD	Ok,M
5	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	JC\MD	Ok,M
6	VSTDICC100	VN087332.D	16 Jul 2025 18:32	JC\MD	Ok,M
7	VSTDICC150	VN087333.D	16 Jul 2025 18:54	JC\MD	Ok,M
8	IBLK	VN087334.D	16 Jul 2025 19:16	JC\MD	Ok
9	VSTDICV050	VN087335.D	16 Jul 2025 19:59	JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087367.D	21 Jul 2025 10:05	JC\MD	Ok
2	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	JC\MD	Ok,M
3	VN0721MBL01	VN087369.D	21 Jul 2025 11:13	JC\MD	Ok
4	VN0721WBL01	VN087370.D	21 Jul 2025 11:34	JC\MD	Ok
5	VN0721WBS01	VN087371.D	21 Jul 2025 11:55	JC\MD	Ok,M
6	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30	JC\MD	Ok,M
7	Q2646-01	VN087373.D	21 Jul 2025 12:51	JC\MD	Ok
8	IBLK	VN087374.D	21 Jul 2025 13:13	JC\MD	Ok
9	PB168920TB	VN087375.D	21 Jul 2025 13:34	JC\MD	Ok
10	Q2641-02	VN087376.D	21 Jul 2025 13:55	JC\MD	Ok
11	Q2645-03	VN087377.D	21 Jul 2025 14:16	JC\MD	Ok
12	Q2649-04	VN087378.D	21 Jul 2025 14:38	JC\MD	Ok
13	Q2649-08	VN087379.D	21 Jul 2025 14:59	JC\MD	Ok,M
14	Q2649-12	VN087380.D	21 Jul 2025 15:20	JC\MD	Ok
15	Q2649-16	VN087381.D	21 Jul 2025 15:42	JC\MD	Ok
16	Q2649-20	VN087382.D	21 Jul 2025 16:03	JC\MD	Ok
17	Q2649-24	VN087383.D	21 Jul 2025 16:24	JC\MD	Ok
18	PB168921TB	VN087384.D	21 Jul 2025 16:46	JC\MD	Ok
19	Q2646-03	VN087385.D	21 Jul 2025 17:07	JC\MD	Ok
20	Q2664-01	VN087386.D	21 Jul 2025 17:29	JC\MD	Ok
21	VSTDCCC050	VN087387.D	21 Jul 2025 17:50	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

Review By	Mahesh Dadoda	Review On	7/17/2025 8:20:05 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	7/17/2025 8:25:10 AM		
SubDirectory	VN071625	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134794
Initial Calibration Stds	VP134795,VP134796,VP134797,VP134798,VP134799,VP134800
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP134801
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087327.D	16 Jul 2025 16:10		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN087328.D	16 Jul 2025 17:05		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN087329.D	16 Jul 2025 17:27	% d fail for com.#10 in 5 ppb	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN087330.D	16 Jul 2025 17:49	LR- 10,20	JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN087331.D	16 Jul 2025 18:11	QR- 56	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN087332.D	16 Jul 2025 18:32		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN087333.D	16 Jul 2025 18:54		JC\MD	Ok,M
8	IBLK	IBLK	VN087334.D	16 Jul 2025 19:16		JC\MD	Ok
9	VSTDICV050	ICVVN071625	VN087335.D	16 Jul 2025 19:59		JC\MD	Ok,M

M : Manual Integration

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
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	VN087367.D	21 Jul 2025 10:05		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087368.D	21 Jul 2025 10:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0721MBL01	VN0721MBL01	VN087369.D	21 Jul 2025 11:13		JC\MD	Ok
4	VN0721WBL01	VN0721WBL01	VN087370.D	21 Jul 2025 11:34		JC\MD	Ok
5	VN0721WBS01	VN0721WBS01	VN087371.D	21 Jul 2025 11:55		JC\MD	Ok,M
6	VN0721WBSD01	VN0721WBSD01	VN087372.D	21 Jul 2025 12:30		JC\MD	Ok,M
7	Q2646-01	FRAC TANK	VN087373.D	21 Jul 2025 12:51	vial A pH<2	JC\MD	Ok
8	IBLK	IBLK	VN087374.D	21 Jul 2025 13:13		JC\MD	Ok
9	PB168920TB	PB168920TB	VN087375.D	21 Jul 2025 13:34		JC\MD	Ok
10	Q2641-02	P001-CONCRETE001-	VN087376.D	21 Jul 2025 13:55	vial A pH#5.0	JC\MD	Ok
11	Q2645-03	RW5B-CARBON-2025(	VN087377.D	21 Jul 2025 14:16	vial A pH#5.0	JC\MD	Ok
12	Q2649-04	WC-1	VN087378.D	21 Jul 2025 14:38	vial A pH#5.0	JC\MD	Ok
13	Q2649-08	WC-2	VN087379.D	21 Jul 2025 14:59	vial A pH#5.0	JC\MD	Ok,M
14	Q2649-12	WC-3	VN087380.D	21 Jul 2025 15:20	vial A pH#5.0	JC\MD	Ok
15	Q2649-16	WC-4	VN087381.D	21 Jul 2025 15:42	vial A pH#5.0	JC\MD	Ok
16	Q2649-20	WC-5	VN087382.D	21 Jul 2025 16:03	vial A pH#5.0	JC\MD	Ok
17	Q2649-24	WC-6	VN087383.D	21 Jul 2025 16:24	vial A pH#5.0	JC\MD	Ok
18	PB168921TB	PB168921TB	VN087384.D	21 Jul 2025 16:46		JC\MD	Ok

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN072125

Review By	John Carlone	Review On	7/22/2025 9:07:37 AM		
Supervise By	Mahesh Dadoda	Supervise On	7/22/2025 1:40:47 PM		
SubDirectory	VN072125	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134840
Initial Calibration Stds	
CCC	VP134841,VP134842
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2646-03	FRAC TANK	VN087385.D	21 Jul 2025 17:07	vial A pH#5.0	JC\MD	Ok
20	Q2664-01	GDW3	VN087386.D	21 Jul 2025 17:29	vial A pH<2	JC\MD	Ok
21	VSTDCCC050	VSTDCCC050EC	VN087387.D	21 Jul 2025 17:50		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2646	**OrderDate:**	7/18/2025 11:47:00 AM
Client:	Environmental Restoration, LLC	**Project:**	North Arlington, NJ
Contact:	Steve Motta	**Location:**	O11,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2646-01	**FRAC TANK**	**Water**			**07/18/25**			**07/18/25**
			VOC-TCLVOA-10	8260D			07/21/25	
Q2646-03	**FRAC TANK**	**TCLP**			**07/18/25**			**07/18/25**
			TCLP VOA	8260D			07/21/25	