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

Hit Summary Sheet
SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**MW-11A-13.5-060525**							
Q2250-01	MW-11A-13.5-0605	Water	Vinyl Chloride	5.00		0.26	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	1,1-Dichloroethene	4.20		0.23	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	1,1-Dichloroethane	2.80		0.23	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	cis-1,2-Dichloroethene	850	E	0.19	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	Benzene	0.42	J	0.15	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	Trichloroethene	1400	E	0.090	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	1,1,2-Trichloroethane	0.50	J	0.21	1.00	ug/L
Q2250-01	MW-11A-13.5-0605	Water	Tetrachloroethene	9.40		0.23	1.00	ug/L
			Total Voc :	2270				
			Total Concentration:	2270				
Client ID:	**MW-11A-13.5-060525DL**							
Q2250-01DL	MW-11A-13.5-0605	Water	Vinyl Chloride	6.60	JD	5.20	20.0	ug/L
Q2250-01DL	MW-11A-13.5-0605	Water	cis-1,2-Dichloroethene	1000	D	3.80	20.0	ug/L
Q2250-01DL	MW-11A-13.5-0605	Water	Trichloroethene	1700	D	1.90	20.0	ug/L
Q2250-01DL	MW-11A-13.5-0605	Water	Tetrachloroethene	12.2	JD	4.60	20.0	ug/L
			Total Voc :	2720				
			Total Concentration:	2720				

SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525	SDG No.:	Q2250
Lab Sample ID:	Q2250-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086921.D	1		06/10/25 12:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5.00		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	4.20		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	2.80		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	850	E	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
71-43-2	Benzene	0.42	J	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	1400	E	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.50	J	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	9.40		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	51.3		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.1		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	362000	8.23			
540-36-3	1,4-Difluorobenzene	673000	9.106			
3114-55-4	Chlorobenzene-d5	593000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	281000	13.788			

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

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

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

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525DL	SDG No.:	Q2250
Lab Sample ID:	Q2250-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086948.D	20		06/11/25 15:06	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	6.60	JD	5.20	20.0	ug/L
75-35-4	1,1-Dichloroethene	4.60	UD	4.60	20.0	ug/L
75-34-3	1,1-Dichloroethane	4.60	UD	4.60	20.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1000	D	3.80	20.0	ug/L
71-55-6	1,1,1-Trichloroethane	4.00	UD	4.00	20.0	ug/L
71-43-2	Benzene	3.00	UD	3.00	20.0	ug/L
107-06-2	1,2-Dichloroethane	4.40	UD	4.40	20.0	ug/L
79-01-6	Trichloroethene	1700	D	1.90	20.0	ug/L
79-00-5	1,1,2-Trichloroethane	4.20	UD	4.20	20.0	ug/L
127-18-4	Tetrachloroethene	12.2	JD	4.60	20.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	48.4		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	272000	8.236			
540-36-3	1,4-Difluorobenzene	500000	9.106			
3114-55-4	Chlorobenzene-d5	435000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	208000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
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Raw Data: **VN086919.D**

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

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	EB02-060525	SDG No.:	Q2250
Lab Sample ID:	Q2250-05	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086919.D	1		06/10/25 11:47	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.9		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.9		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	233000	8.23			
540-36-3	1,4-Difluorobenzene	433000	9.106			
3114-55-4	Chlorobenzene-d5	381000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	180000	13.788			

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Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	TB-01-060525	SDG No.:	Q2250
Lab Sample ID:	Q2250-06	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086920.D	1		06/10/25 12:08	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	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	48.8		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	51.1		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.1		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	350000	8.23			
540-36-3	1,4-Difluorobenzene	649000	9.106			
3114-55-4	Chlorobenzene-d5	564000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	266000	13.788			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
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A = Aldol-Condensation Reaction Products

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2250-01	MW-11A-13.5-060525	1,2-Dichloroethane-d4	50	47.8	96	70 (74)	130 (125)
		Dibromofluoromethane	50	49.4	99	70 (75)	130 (124)
		Toluene-d8	50	51.3	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.0	100	70 (77)	130 (121)
Q2250-01DL	MW-11A-13.5-060525DL	1,2-Dichloroethane-d4	50	46.3	93	70 (74)	130 (125)
		Dibromofluoromethane	50	48.4	97	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
Q2250-02MS	MW-11A-13.5-060525MS	1,2-Dichloroethane-d4	50	49.9	100	70 (74)	130 (125)
		Dibromofluoromethane	50	52.4	105	70 (75)	130 (124)
		Toluene-d8	50	51.2	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.9	102	70 (77)	130 (121)
Q2250-03MSD	MW-11A-13.5-060525MSD	1,2-Dichloroethane-d4	50	52.7	105	70 (74)	130 (125)
		Dibromofluoromethane	50	56.6	113	70 (75)	130 (124)
		Toluene-d8	50	54.8	110	70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.3	111	70 (77)	130 (121)
Q2250-05	EB02-060525	1,2-Dichloroethane-d4	50	47.9	96	70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98	70 (75)	130 (124)
		Toluene-d8	50	51.5	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98	70 (77)	130 (121)
Q2250-06	TB-01-060525	1,2-Dichloroethane-d4	50	47.2	94	70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98	70 (75)	130 (124)
		Toluene-d8	50	51.1	102	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98	70 (77)	130 (121)
VN0610WBL01	VN0610WBL01	1,2-Dichloroethane-d4	50	46.7	93	70 (74)	130 (125)
		Dibromofluoromethane	50	49.0	98	70 (75)	130 (124)
		Toluene-d8	50	51.5	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.0	98	70 (77)	130 (121)
VN0610WBS01	VN0610WBS01	1,2-Dichloroethane-d4	50	45.4	91	70 (74)	130 (125)
		Dibromofluoromethane	50	49.5	99	70 (75)	130 (124)
		Toluene-d8	50	48.6	97	70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.3	97	70 (77)	130 (121)
VN0611WBL01	VN0611WBL01	1,2-Dichloroethane-d4	50	48.3	97	70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99	70 (75)	130 (124)
		Toluene-d8	50	51.7	103	70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.4	99	70 (77)	130 (121)
VN0611WBS02	VN0611WBS02	1,2-Dichloroethane-d4	50	47.1	94	70 (74)	130 (125)
		Dibromofluoromethane	50	51.1	102	70 (75)	130 (124)
		Toluene-d8	50	48.7	97	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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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2250-02MS		**Client Sample ID :** MW-11A-13.5-060525MS						**Datafile :** VN086922.D			
Vinyl chloride	50	5.00	50.4	ug/L	91				70 (69)	130 (125)	
1,1-Dichloroethene	50	4.20	47.9	ug/L	87				70 (53)	130 (162)	
1,1-Dichloroethane	50	2.80	45.2	ug/L	85				70 (78)	130 (122)	
cis-1,2-Dichloroethene	50	850	1900	ug/L	2100	*			70 (82)	130 (124)	
1,1,1-Trichloroethane	50	0	37.2	ug/L	74				70 (83)	130 (117)	
Benzene	50	0.42	39.1	ug/L	77				70 (81)	130 (128)	
1,2-Dichloroethane	50	0	39.3	ug/L	79				70 (76)	130 (120)	
Trichloroethene	50	1400	2900	ug/L	3000	*			70 (28)	130 (175)	
1,1,2-Trichloroethane	50	0.50	40.0	ug/L	79				70 (27)	130 (175)	
Tetrachloroethene	50	9.40	57.0	ug/L	95				70 (48)	130 (153)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2250-03MSD	**Client Sample ID :** MW-11A-13.5-060525MSD							**Datafile :** VN086923.D			
Vinyl chloride	50	5.00	57.2	ug/L	104		13		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	50	4.20	53.1	ug/L	98		12		70 (53)	130 (162)	20 (20)
1,1-Dichloroethane	50	2.80	49.5	ug/L	93		9		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	50	850	2100	ug/L	2500	*	17		70 (82)	130 (124)	20 (20)
1,1,1-Trichloroethane	50	0	41.4	ug/L	83		11		70 (83)	130 (117)	20 (20)
Benzene	50	0.42	43.0	ug/L	85		10		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	50	0	43.1	ug/L	86		9		70 (76)	130 (120)	20 (20)
Trichloroethene	50	1400	3300	ug/L	3800	*	24	*	70 (28)	130 (175)	20 (20)
1,1,2-Trichloroethane	50	0.50	44.5	ug/L	88		11		70 (27)	130 (175)	20 (20)
Tetrachloroethene	50	9.40	66.0	ug/L	113		17		70 (48)	130 (153)	20 (20)

( ) = 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.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086916.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0610WBS01	Vinyl chloride	20	18.0	ug/L	90			70 (65)	130 (117)	
	1,1-Dichloroethene	20	18.7	ug/L	94			70 (74)	130 (110)	
	1,1-Dichloroethane	20	18.2	ug/L	91			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	18.7	ug/L	94			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	18.1	ug/L	91			70 (80)	130 (108)	
	Benzene	20	18.5	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.7	ug/L	94			70 (80)	130 (115)	
	Trichloroethene	20	19.3	ug/L	97			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	19.5	ug/L	98			70 (83)	130 (112)	
	Tetrachloroethene	20	17.9	ug/L	90			70 (67)	130 (123)	

( ) = 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.: Q2250

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low **Datafile :** VN086944.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0611WBS02	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	1,1-Dichloroethene	20	19.2	ug/L	96			70 (74)	130 (110)	
	1,1-Dichloroethane	20	19.4	ug/L	97			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			70 (80)	130 (108)	
	Benzene	20	19.3	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.5	ug/L	98			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.4	ug/L	102			70 (83)	130 (112)	
	Tetrachloroethene	20	19.2	ug/L	96			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0610WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086915.D Lab Sample ID: VN0610WBL01

Date Analyzed: 06/10/2025 Time Analyzed: 10:09

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
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025
EB02-060525	Q2250-05	VN086919.D	06/10/2025
TB-01-060525	Q2250-06	VN086920.D	06/10/2025
MW-11A-13.5-060525	Q2250-01	VN086921.D	06/10/2025
MW-11A-13.5-060525MS	Q2250-02MS	VN086922.D	06/10/2025
MW-11A-13.5-060525MSD	Q2250-03MSD	VN086923.D	06/10/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VN0611WBL01

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086942.D Lab Sample ID: VN0611WBL01

Date Analyzed: 06/11/2025 Time Analyzed: 12:28

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
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025
MW-11A-13.5-060525DL	Q2250-01DL	VN086948.D	06/11/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

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

Instrument ID: MSVOA_N BFB Injection Time: 07:59

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.3
75	30.0 - 60.0% of mass 95	48.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.4
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	66.6
175	5.0 - 9.0% of mass 174	4.7 (7.1) 1
176	95.0 - 101.0% of mass 174	65.3 (98.1) 1
177	5.0 - 9.0% of mass 176	4.4 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086912.D BFB Injection Date: 06/10/2025

Instrument ID: MSVOA_N BFB Injection Time: 08:39

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.1
75	30.0 - 60.0% of mass 95	47.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	5.3 (7.2) 1
176	95.0 - 101.0% of mass 174	71.3 (97.5) 1
177	5.0 - 9.0% of mass 176	4.9 (6.9) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086913.D	06/10/2025	09:13
VN0610WBL01	VN0610WBL01	VN086915.D	06/10/2025	10:09
VN0610WBS01	VN0610WBS01	VN086916.D	06/10/2025	10:30
EB02-060525	Q2250-05	VN086919.D	06/10/2025	11:47
TB-01-060525	Q2250-06	VN086920.D	06/10/2025	12:08
MW-11A-13.5-060525	Q2250-01	VN086921.D	06/10/2025	12:30
MW-11A-13.5-060525MS	Q2250-02MS	VN086922.D	06/10/2025	12:51
MW-11A-13.5-060525MSD	Q2250-03MSD	VN086923.D	06/10/2025	13:12

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086939.D BFB Injection Date: 06/11/2025

Instrument ID: MSVOA_N BFB Injection Time: 10:22

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	15.7
75	30.0 - 60.0% of mass 95	46.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.7 (1) 1
174	50.0 - 100.0% of mass 95	71.1
175	5.0 - 9.0% of mass 174	5.4 (7.5) 1
176	95.0 - 101.0% of mass 174	68.8 (96.8) 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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN086940.D	06/11/2025	11:32
VN0611WBL01	VN0611WBL01	VN086942.D	06/11/2025	12:28
VN0611WBS02	VN0611WBS02	VN086944.D	06/11/2025	13:27
MW-11A-13.5-060525DL	Q2250-01DL	VN086948.D	06/11/2025	15:06

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086913.D Date Analyzed: 06/10/2025

Instrument ID: MSVOA_N Time Analyzed: 09:13

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	239452	8.23	422119	9.11	362285	11.87
UPPER LIMIT	478904	8.73	844238	9.606	724570	12.365
LOWER LIMIT	119726	7.73	211060	8.606	181143	11.365
EPA SAMPLE NO.						
MW-11A-13.5-060525	361832	8.23	672514	9.11	593044	11.87
MW-11A-13.5-060525MS	174378	8.23	310932	9.11	270945	11.87
MW-11A-13.5-060525MSD	172955	8.23	309901	9.11	266637	11.87
EB02-060525	232754	8.23	433385	9.11	381245	11.87
TB-01-060525	350151	8.23	648560	9.11	563762	11.87
VN0610WBL01	241251	8.23	440901	9.11	386425	11.87
VN0610WBS01	249843	8.23	443174	9.11	389297	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086913.D Date Analyzed: 06/10/2025

Instrument ID: MSVOA_N Time Analyzed: 09:13

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

	IS4 AREA #	RT #				
12 HOUR STD	170987	13.788				
UPPER LIMIT	341974	14.288				
LOWER LIMIT	85493.5	13.288				
EPA SAMPLE NO.						
MW-11A-13.5-060525	281220	13.79				
MW-11A-13.5-060525MS	132628	13.79				
MW-11A-13.5-060525MSD	129873	13.79				
EB02-060525	180063	13.79				
TB-01-060525	266280	13.79				
VN0610WBL01	183380	13.79				
VN0610WBS01	189620	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086940.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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	205098	8.23	357643	9.11	312173	11.87
UPPER LIMIT	410196	8.73	715286	9.606	624346	12.365
LOWER LIMIT	102549	7.73	178822	8.606	156087	11.365
EPA SAMPLE NO.						
MW-11A-13.5-060525DL	272350	8.24	500042	9.11	434591	11.87
VN0611WBL01	328120	8.23	618651	9.11	543433	11.87
VN0611WBS02	206799	8.24	370524	9.11	321188	11.87

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG NO.: Q2250

Lab File ID: VN086940.D Date Analyzed: 06/11/2025

Instrument ID: MSVOA_N Time Analyzed: 11:32

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

	IS4 AREA #	RT #				
12 HOUR STD	152136	13.788				
UPPER LIMIT	304272	14.288				
LOWER LIMIT	76068	13.288				
EPA SAMPLE NO.						
MW-11A-13.5-060525DL	208257	13.79				
VN0611WBL01	257257	13.79				
VN0611WBS02	157403	13.79				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0610WBL01	SDG No.:	Q2250
Lab Sample ID:	VN0610WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086915.D	1		06/10/25 10:09	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.7		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	51.5		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.0		70 (77) - 130 (121)	98%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	241000	8.23			
540-36-3	1,4-Difluorobenzene	441000	9.106			
3114-55-4	Chlorobenzene-d5	386000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	183000	13.788			

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

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

Raw Data: **VN086942.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0611WBL01	SDG No.:	Q2250
Lab Sample ID:	VN0611WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086942.D	1		06/11/25 12:28	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
75-35-4	1,1-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
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	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
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (74) - 130 (125)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (86) - 130 (113)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (77) - 130 (121)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	328000	8.23			
540-36-3	1,4-Difluorobenzene	619000	9.106			
3114-55-4	Chlorobenzene-d5	543000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	257000	13.788			

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

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0610WBS01	SDG No.:	Q2250
Lab Sample ID:	VN0610WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086916.D	1		06/10/25 10:30	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.0		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	18.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.2		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.7		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.1		0.20	1.00	ug/L
71-43-2	Benzene	18.5		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.3		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	19.5		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	17.9		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.4		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.6		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.3		70 (77) - 130 (121)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.23			
540-36-3	1,4-Difluorobenzene	443000	9.106			
3114-55-4	Chlorobenzene-d5	389000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	190000	13.788			

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

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0611WBS02	SDG No.:	Q2250
Lab Sample ID:	VN0611WBS02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086944.D	1		06/11/25 13:27	VN061125

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.4		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
71-43-2	Benzene	19.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.9		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.4		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	19.2		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.1		70 (74) - 130 (125)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.7		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (77) - 130 (121)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.235			
540-36-3	1,4-Difluorobenzene	371000	9.106			
3114-55-4	Chlorobenzene-d5	321000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	157000	13.788			

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() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

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

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MS	SDG No.:	Q2250
Lab Sample ID:	Q2250-02MS	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086922.D	1		06/10/25 12:51	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	50.4		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	47.9		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	45.2		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1900	E	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	37.2		0.20	1.00	ug/L
71-43-2	Benzene	39.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	39.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	2900	E	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	40.0		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	57.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.9		70 (77) - 130 (121)	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	174000	8.23			
540-36-3	1,4-Difluorobenzene	311000	9.106			
3114-55-4	Chlorobenzene-d5	271000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	133000	13.788			

U = Not Detected
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Alliance TECHNICAL GROUP
284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	06/05/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	06/05/25
Client Sample ID:	MW-11A-13.5-060525MSD	SDG No.:	Q2250
Lab Sample ID:	Q2250-03MSD	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group3
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VN086923.D	1		06/10/25 13:12	VN061025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	57.2		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	53.1		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	49.5		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2100	E	0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	41.4		0.20	1.00	ug/L
71-43-2	Benzene	43.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	43.1		0.22	1.00	ug/L
79-01-6	Trichloroethene	3300	E	0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	44.5		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	66.0		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	52.7		70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	56.6		70 (75) - 130 (124)	113%	SPK: 50
2037-26-5	Toluene-d8	54.8		70 (86) - 130 (113)	110%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.3		70 (77) - 130 (121)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	173000	8.23			
540-36-3	1,4-Difluorobenzene	310000	9.106			
3114-55-4	Chlorobenzene-d5	267000	11.865			
3855-82-1	1,4-Dichlorobenzene-d4	130000	13.788			

U = Not Detected
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MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
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* = Values outside of QC limits
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CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.670	0.670	0.684	0.640	0.673	0.648	0.664	2.5
1,1-Dichloroethene	0.573	0.593	0.563	0.533	0.550	0.527	0.557	4.4
1,1-Dichloroethane	1.192	1.153	1.156	1.063	1.110	1.043	1.120	5.2
cis-1,2-Dichloroethene	0.786	0.766	0.762	0.699	0.729	0.701	0.740	4.9
1,1,1-Trichloroethane	1.029	0.995	0.969	0.895	0.925	0.893	0.951	5.9
Benzene	1.588	1.501	1.444	1.345	1.414	1.371	1.444	6.2
1,2-Dichloroethane	0.473	0.456	0.444	0.411	0.430	0.413	0.438	5.6
Trichloroethene	0.359	0.360	0.341	0.327	0.340	0.328	0.342	4.2
1,1,2-Trichloroethane	0.359	0.355	0.342	0.322	0.335	0.323	0.340	4.7
Tetrachloroethene	0.355	0.331	0.312	0.294	0.313	0.293	0.316	7.5
1,2-Dichloroethane-d4		0.732	0.707	0.500	0.656	0.751	0.669	15.1
Dibromofluoromethane		0.303	0.310	0.219	0.298	0.351	0.296	16.2
Toluene-d8		1.245	1.203	0.861	1.178	1.377	1.173	16.2
4-Bromofluorobenzene		0.441	0.446	0.325	0.446	0.521	0.436	16.2

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250

Instrument ID: MSVOA_N Calibration Date/Time: 06/10/2025 09:13

Lab File ID: VN086913.D Init. Calib. Date(s): 06/06/2025 06/06/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.653		-1.66	20
1,1-Dichloroethene	0.557	0.548		-1.62	20
1,1-Dichloroethane	1.120	1.079	0.1	-3.66	20
cis-1,2-Dichloroethene	0.740	0.721		-2.57	20
1,1,1-Trichloroethane	0.951	0.894		-5.99	20
Benzene	1.444	1.400		-3.05	20
1,2-Dichloroethane	0.438	0.426		-2.74	20
Trichloroethene	0.342	0.345		0.88	20
1,1,2-Trichloroethane	0.340	0.338		-0.59	20
Tetrachloroethene	0.316	0.308		-2.53	20
1,2-Dichloroethane-d4	0.669	0.613		-8.37	20
Dibromofluoromethane	0.296	0.301		1.69	20
Toluene-d8	1.173	1.153		-1.71	20
4-Bromofluorobenzene	0.436	0.420		-3.67	20

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: CHEMTECH Contract: JACO05

Lab Code: CHEM Case No.: Q2250 SAS No.: Q2250 SDG No.: Q2250

Instrument ID: MSVOA_N Calibration Date/Time: 06/11/2025 11:32

Lab File ID: VN086940.D Init. Calib. Date(s): 06/06/2025 06/06/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.701		5.57	20
1,1-Dichloroethene	0.557	0.593		6.46	20
1,1-Dichloroethane	1.120	1.178	0.1	5.18	20
cis-1,2-Dichloroethene	0.740	0.793		7.16	20
1,1,1-Trichloroethane	0.951	0.976		2.63	20
Benzene	1.444	1.554		7.55	20
1,2-Dichloroethane	0.438	0.472		7.76	20
Trichloroethene	0.342	0.382		11.7	20
1,1,2-Trichloroethane	0.340	0.383		12.65	20
Tetrachloroethene	0.316	0.337		6.65	20
1,2-Dichloroethane-d4	0.669	0.622		-7.03	20
Dibromofluoromethane	0.296	0.309		4.39	20
Toluene-d8	1.173	1.181		0.68	20
4-Bromofluorobenzene	0.436	0.440		0.92	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\VN061025\
Data File : VN086921.D
Acq On : 10 Jun 2025 12:30
Operator : JC\MD
Sample : Q2250-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Quant Time: Jun 11 01:52:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

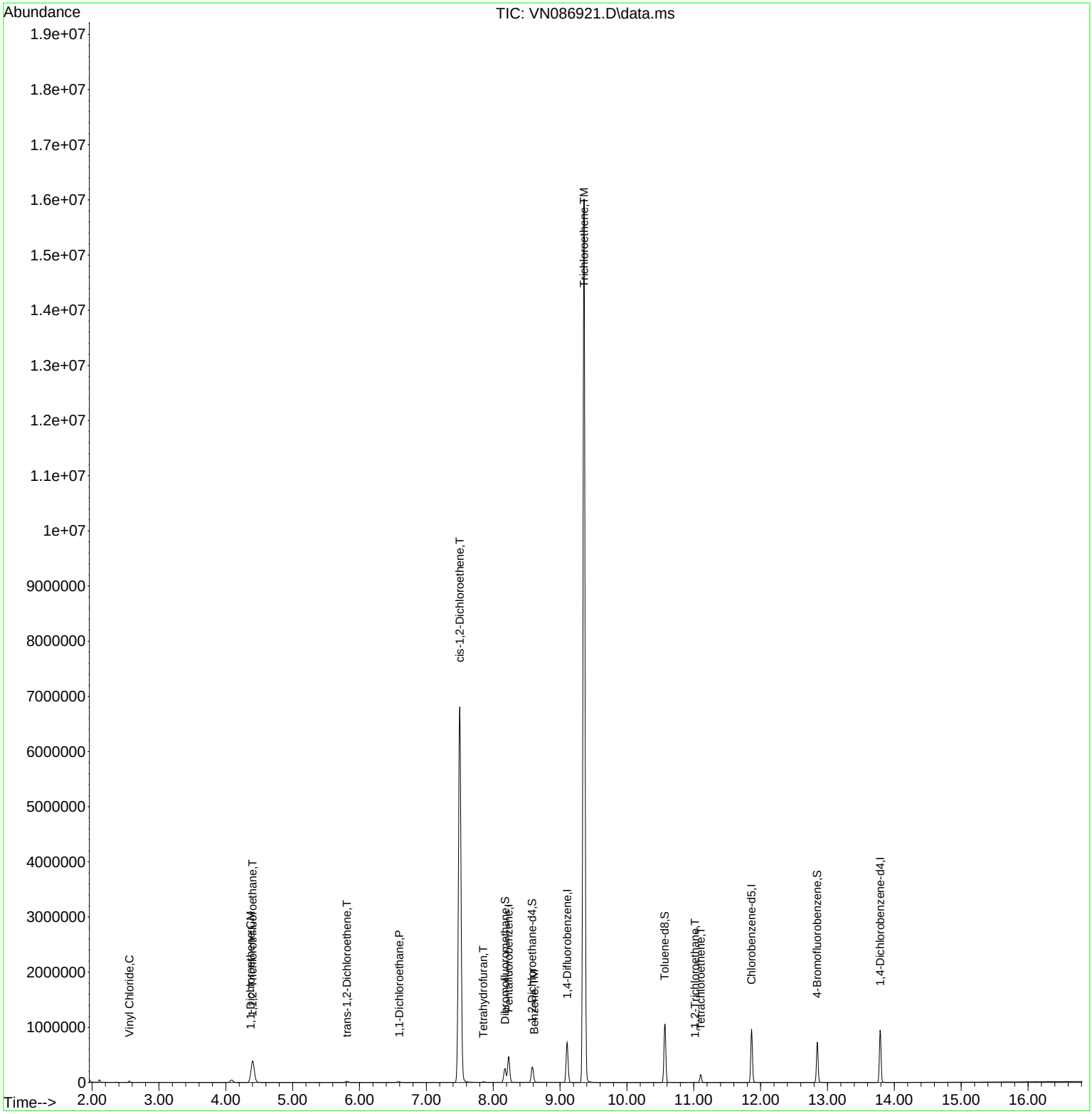
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	361832	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	672514	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	593044	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	281220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	231529	47.792	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.580%			
35) Dibromofluoromethane	8.177	113	196952	49.417	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.840%			
50) Toluene-d8	10.565	98	809307	51.295	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.600%			
62) 4-Bromofluorobenzene	12.847	95	293403	50.054	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.100%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.559	62	24226	5.041	ug/l	96
9) 1,1,2-Trichlorotrifluo...	4.400	101	302235	76.617	ug/l	99
12) 1,1-Dichloroethene	4.371	96	16986	4.218	ug/l	100
21) trans-1,2-Dichloroethene	5.812	96	16472	3.676	ug/l	88
24) 1,1-Dichloroethane	6.594	63	22723	2.805	ug/l	96
27) cis-1,2-Dichloroethene	7.500	96	4534458	846.190	ug/l	90
29) Tetrahydrofuran	7.853	42	9084	3.339	ug/l	95
40) Benzene	8.612	78	8119	0.418	ug/l	95
44) Trichloroethene	9.359	130	6309047	1370.098	ug/l	98
55) 1,1,2-Trichloroethane	11.018	97	2269	0.497	ug/l	95
64) Tetrachloroethene	11.106	164	35442	9.443	ug/l	96

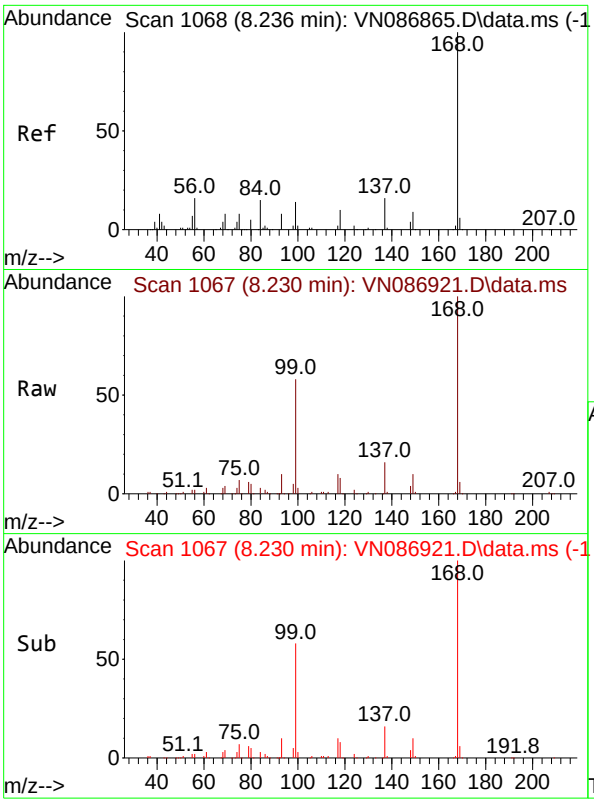
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086921.D
Acq On : 10 Jun 2025 12:30
Operator : JC\MD
Sample : Q2250-01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Quant Time: Jun 11 01:52:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



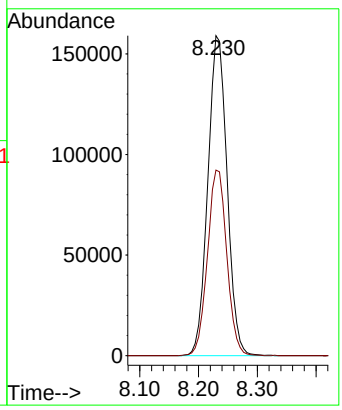


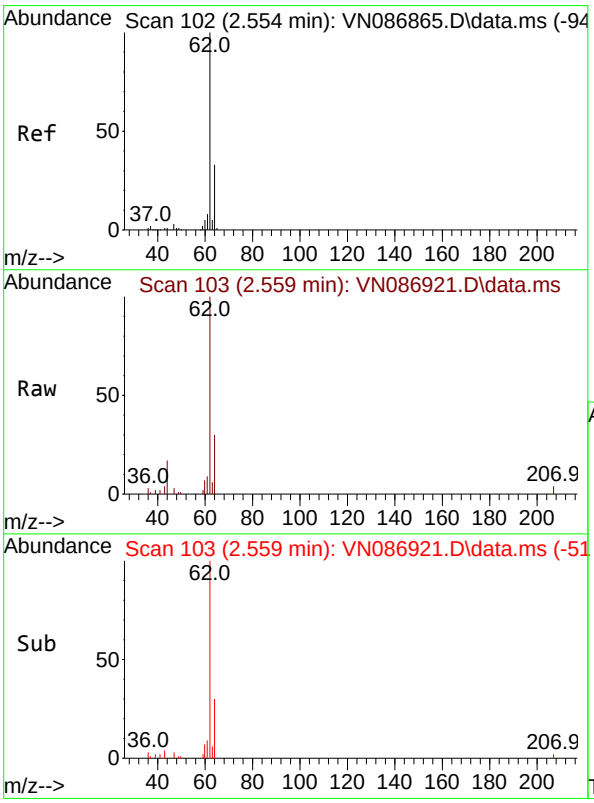
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:168 Resp: 361832

Ion	Ratio	Lower	Upper
168	100		
99	58.0	49.1	73.7

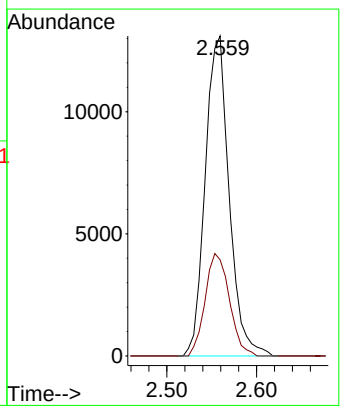


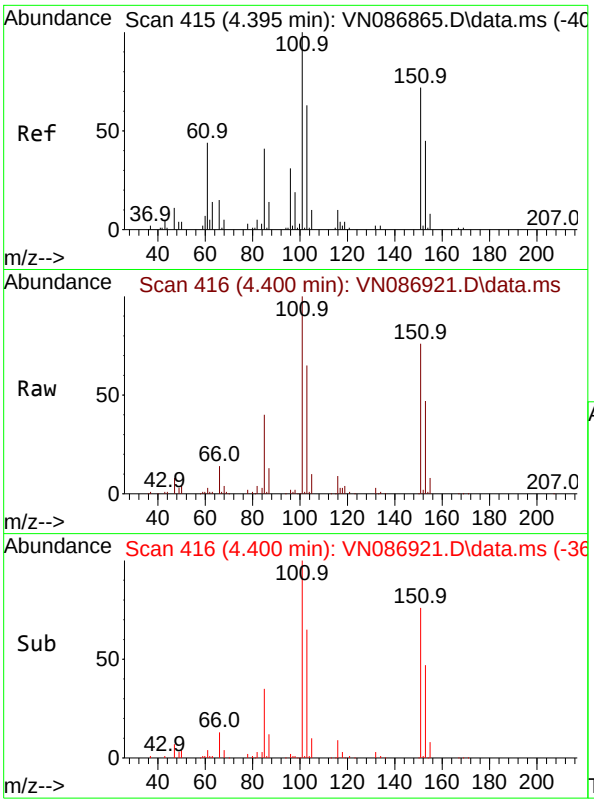


#4
Vinyl Chloride
Concen: 5.041 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 62 Resp: 24226

Ion	Ratio	Lower	Upper
62	100		
64	30.0	26.0	39.0



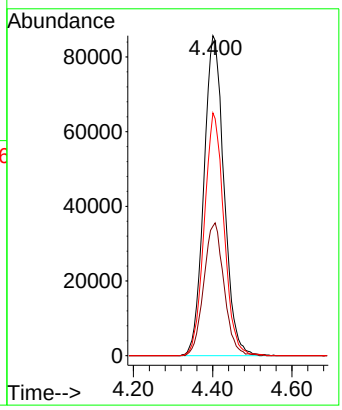


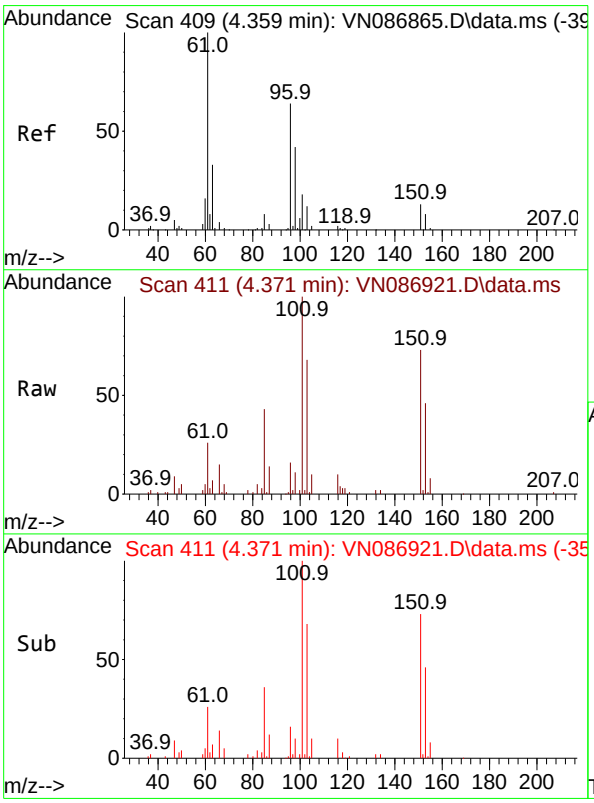
#9
1,1,2-Trichlorotrifluoroethane
Concen: 76.617 ug/l
RT: 4.400 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:101 Resp: 302235

Ion	Ratio	Lower	Upper
101	100		
85	41.6	33.8	50.8
151	74.1	58.7	88.1

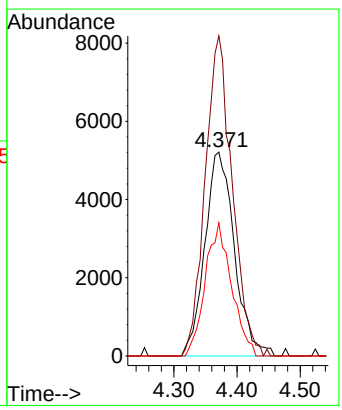


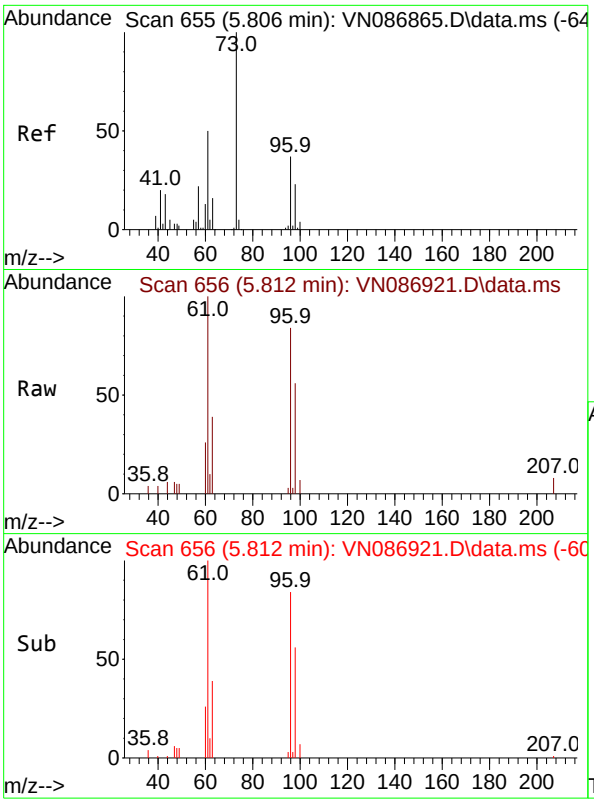


#12
1,1-Dichloroethene
Concen: 4.218 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 96 Resp: 16986

Ion	Ratio	Lower	Upper
96	100		
61	157.0	125.8	188.6
98	65.3	52.5	78.7



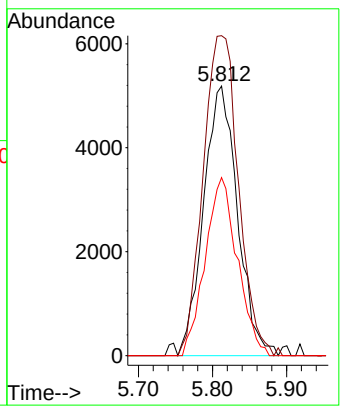


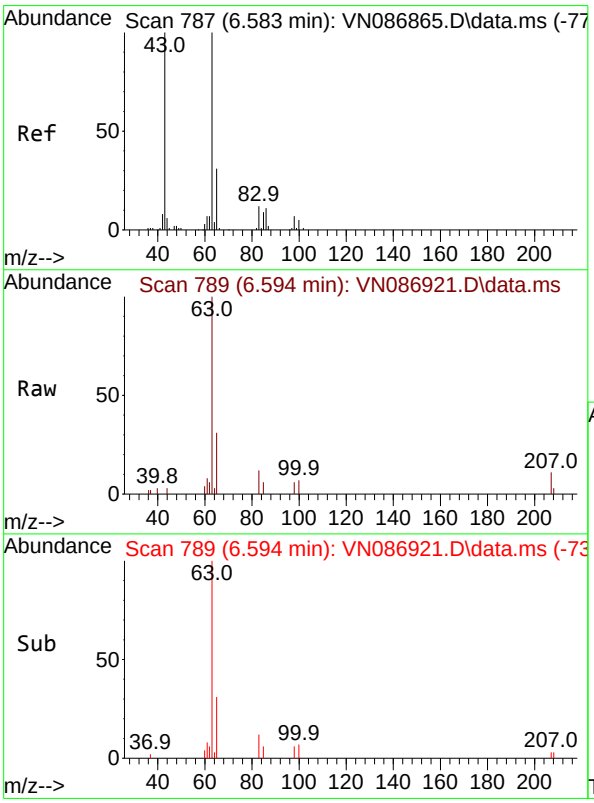
#21
trans-1,2-Dichloroethene
Concen: 3.676 ug/l
RT: 5.812 min Scan# 6
Delta R.T. 0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion: 96 Resp: 16472

Ion	Ratio	Lower	Upper
96	100		
61	118.7	109.2	163.8
98	66.1	49.8	74.8

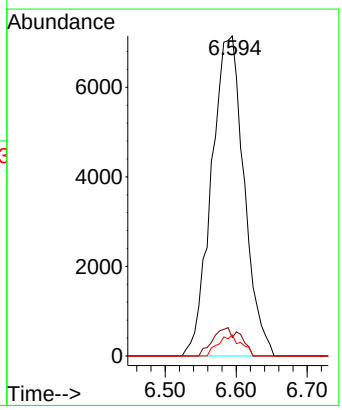


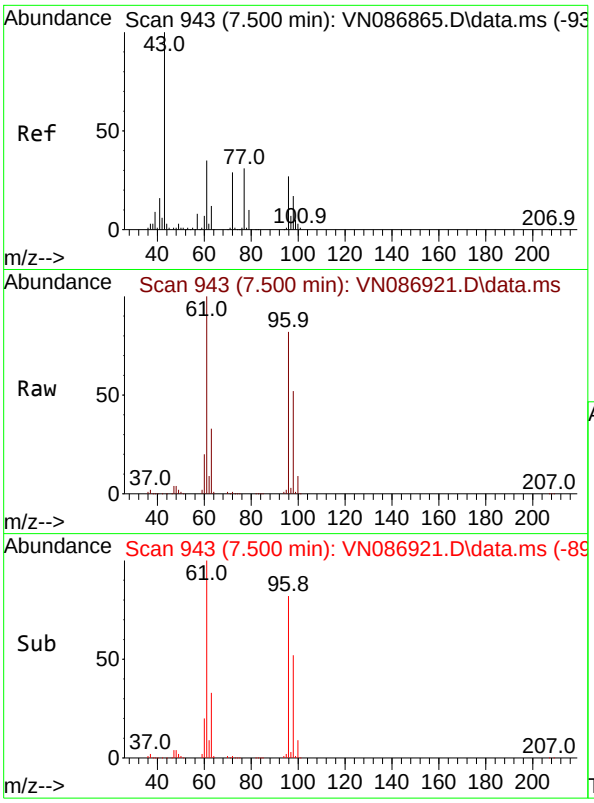


#24
1,1-Dichloroethane
Concen: 2.805 ug/l
RT: 6.594 min Scan# 789
Delta R.T. 0.012 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 63 Resp: 22723

Ion	Ratio	Lower	Upper
63	100		
98	5.8	3.6	10.8
100	6.6	2.6	7.8



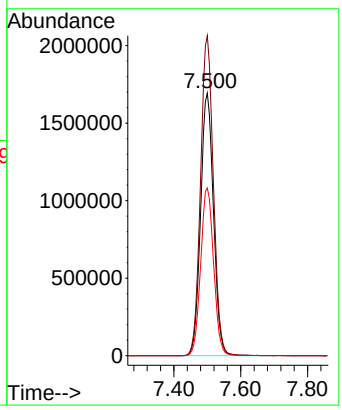


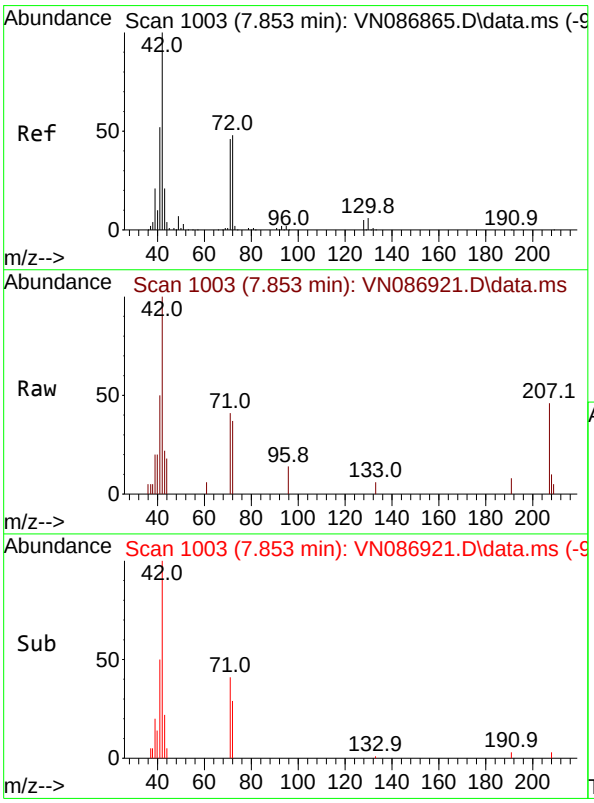
#27
cis-1,2-Dichloroethene
Concen: 846.190 ug/l
RT: 7.500 min Scan# 94
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion: 96 Resp: 4534458

Ion	Ratio	Lower	Upper
96	100		
61	121.3	0.0	278.0
98	64.3	0.0	128.2

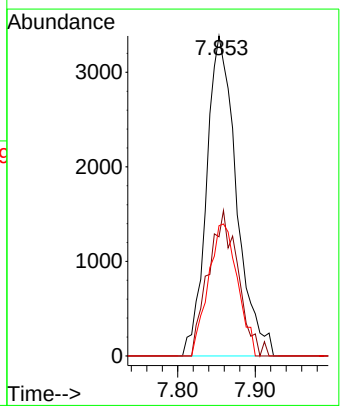


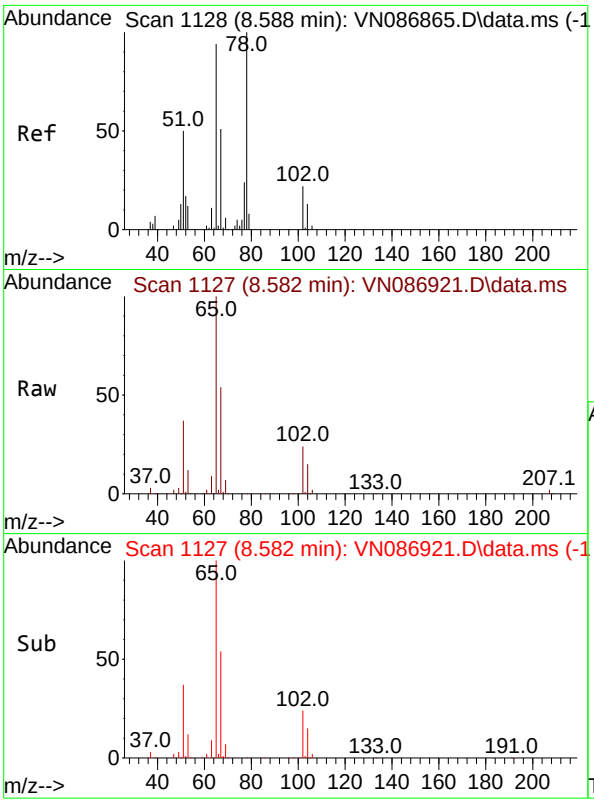


#29
Tetrahydrofuran
Concen: 3.339 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 42 Resp: 9084

Ion	Ratio	Lower	Upper
42	100		
72	45.2	37.8	56.6
71	40.1	35.6	53.4



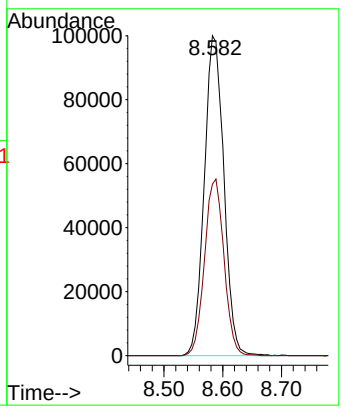


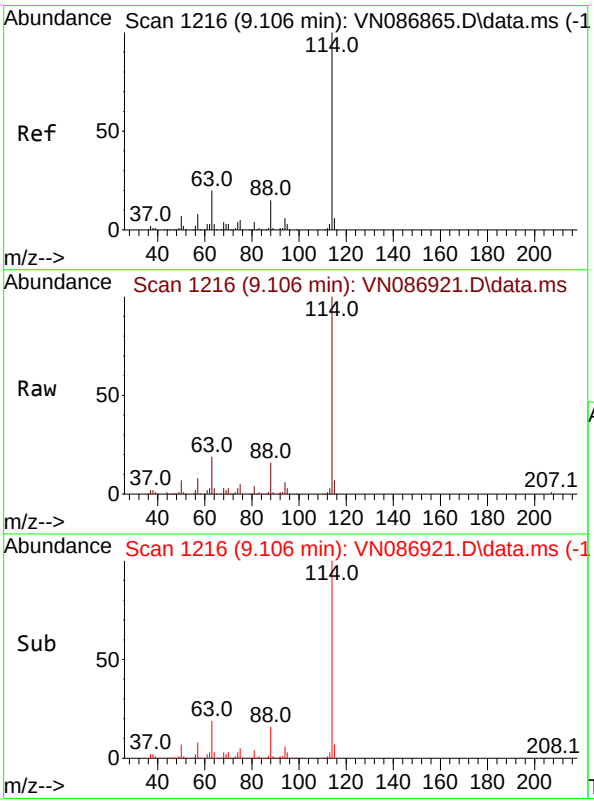
#33
1,2-Dichloroethane-d4
Concen: 47.792 ug/l
RT: 8.582 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion: 65 Resp: 231529

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6

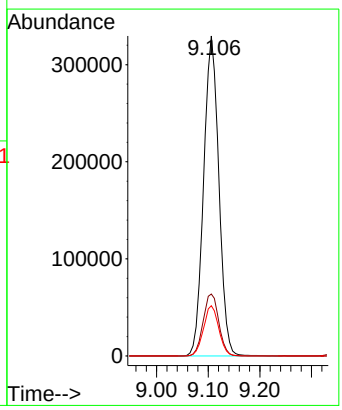


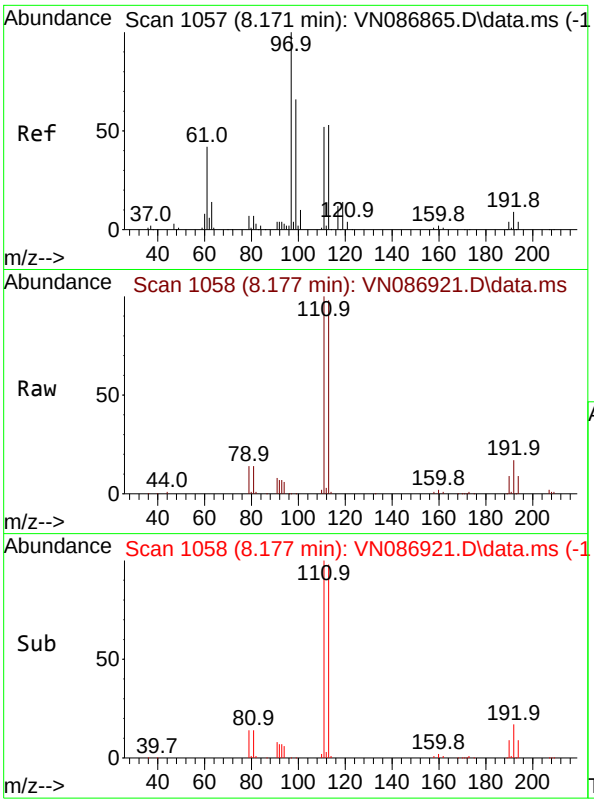


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion:114 Resp: 672514

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	39.6
88	15.7	0.0	30.2



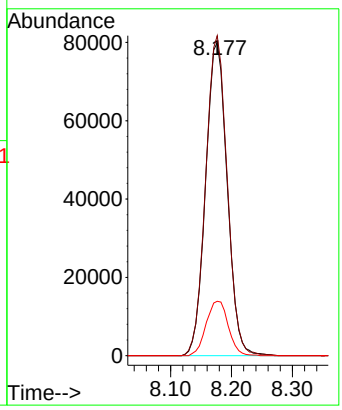


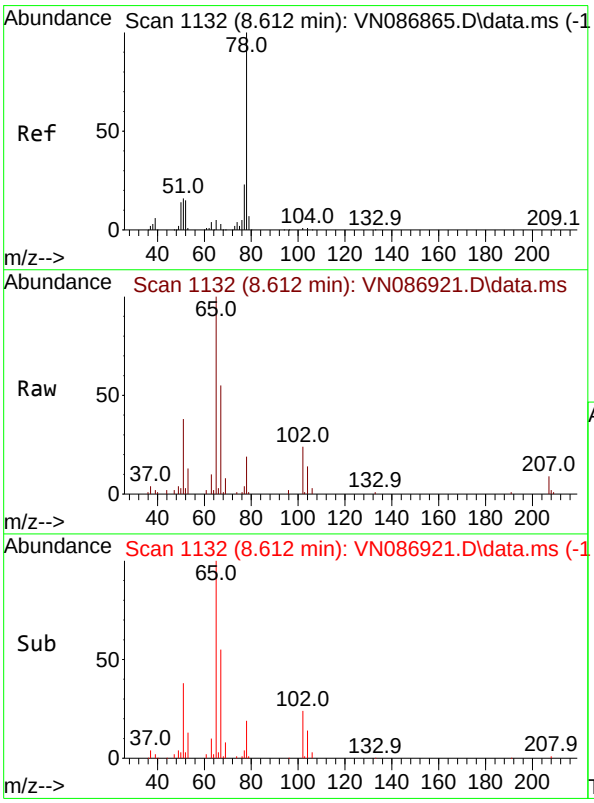
#35
Dibromofluoromethane
Concen: 49.417 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:113 Resp: 196952

Ion	Ratio	Lower	Upper
113	100		
111	101.7	84.2	126.2
192	17.8	14.2	21.4

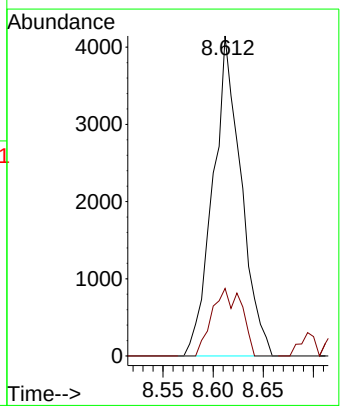


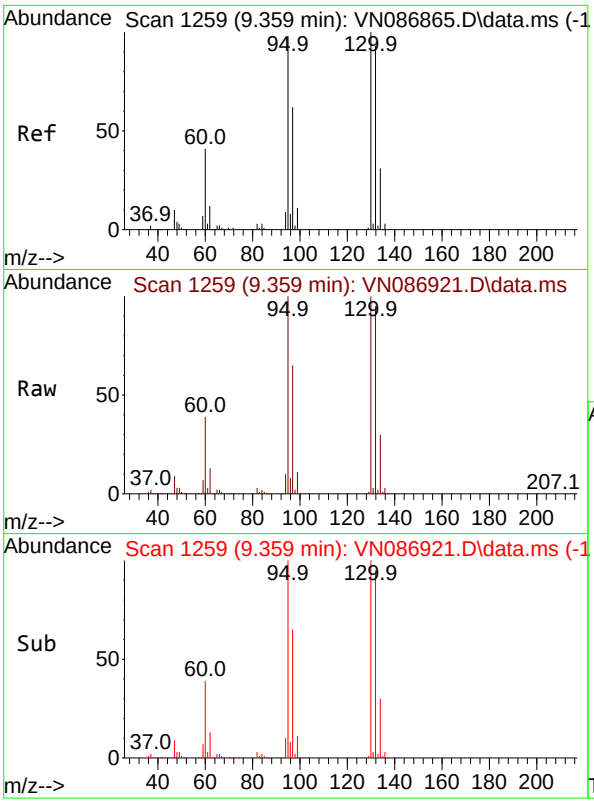


#40
Benzene
Concen: 0.418 ug/l
RT: 8.612 min Scan# 1132
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 78 Resp: 8119

Ion	Ratio	Lower	Upper
78	100		
77	21.1	18.7	28.1



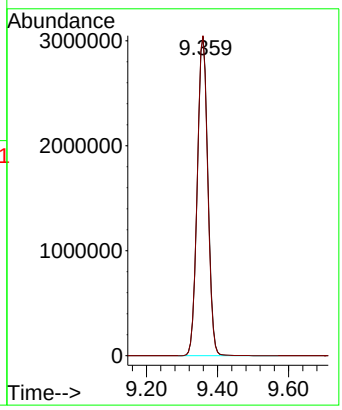


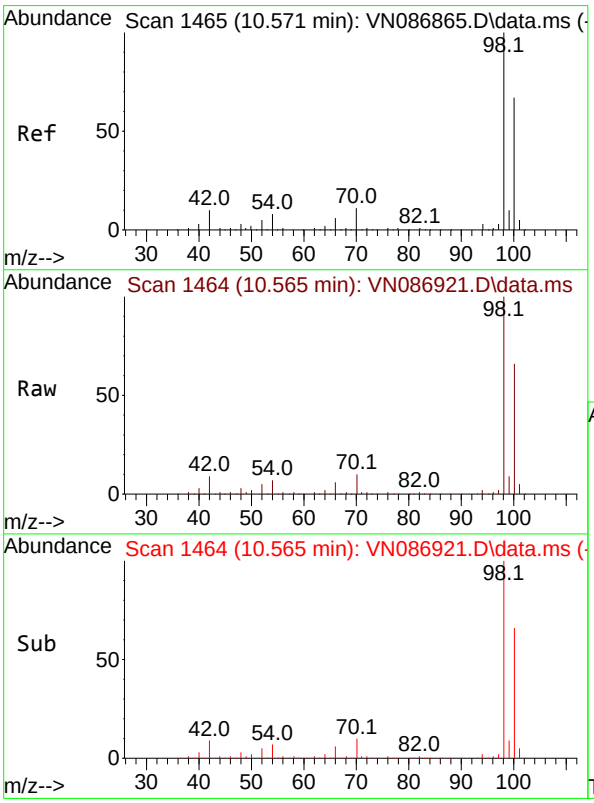
#44
Trichloroethene
Concen: 1370.098 ug/l
RT: 9.359 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:130 Resp: 6309047

Ion	Ratio	Lower	Upper
130	100		
95	100.4	0.0	196.2

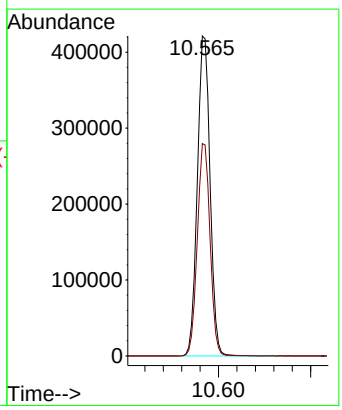


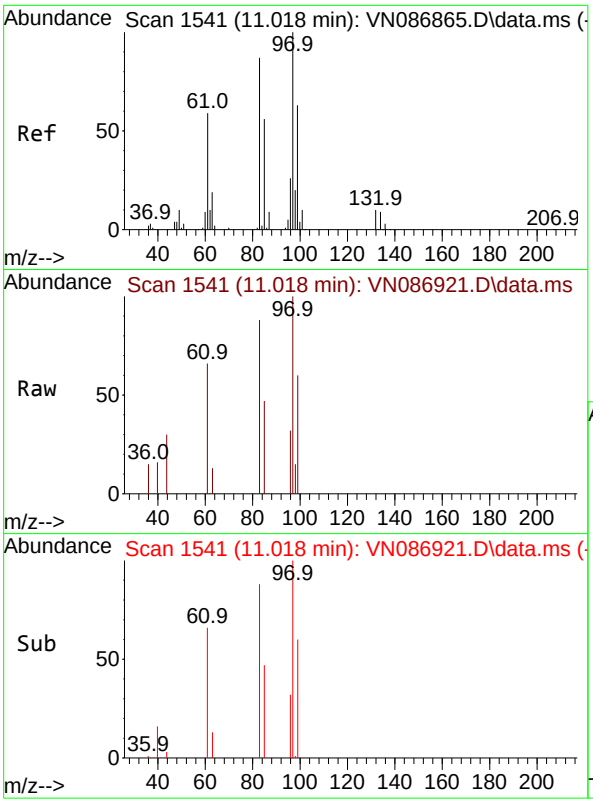


#50
Toluene-d8
Concen: 51.295 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 98 Resp: 809307

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0



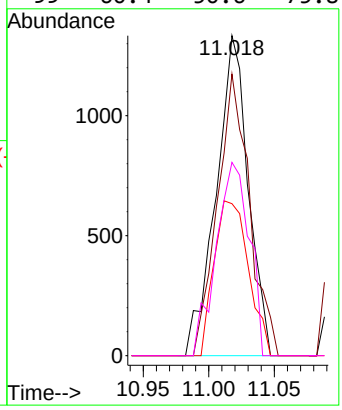


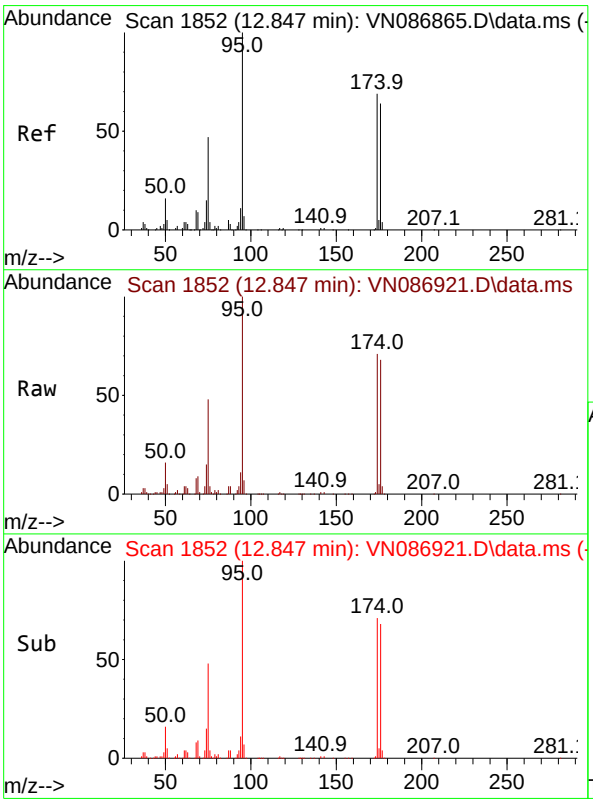
#55
1,1,2-Trichloroethane
Concen: 0.497 ug/l
RT: 11.018 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion: 97 Resp: 2269

Ion	Ratio	Lower	Upper
97	100		
83	88.0	69.7	104.5
85	47.5	45.1	67.7
99	60.4	50.6	75.8

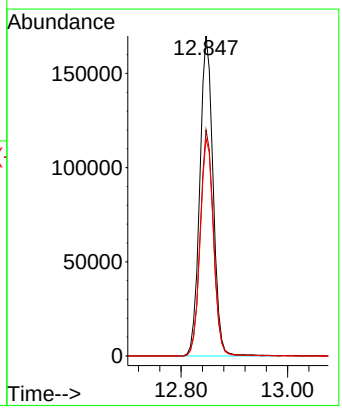


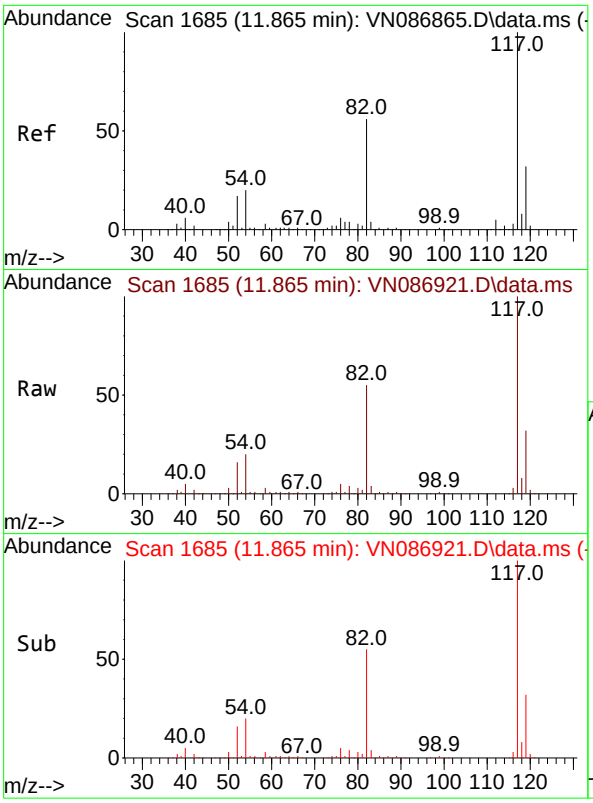


#62
4-Bromofluorobenzene
Concen: 50.054 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion: 95 Resp: 293403

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	141.8
176	68.2	0.0	132.6



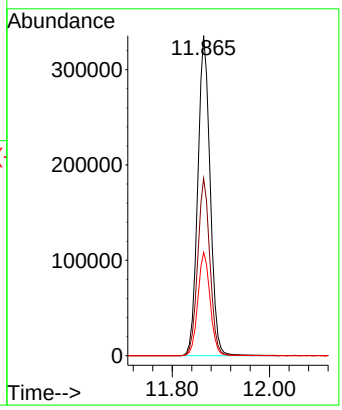


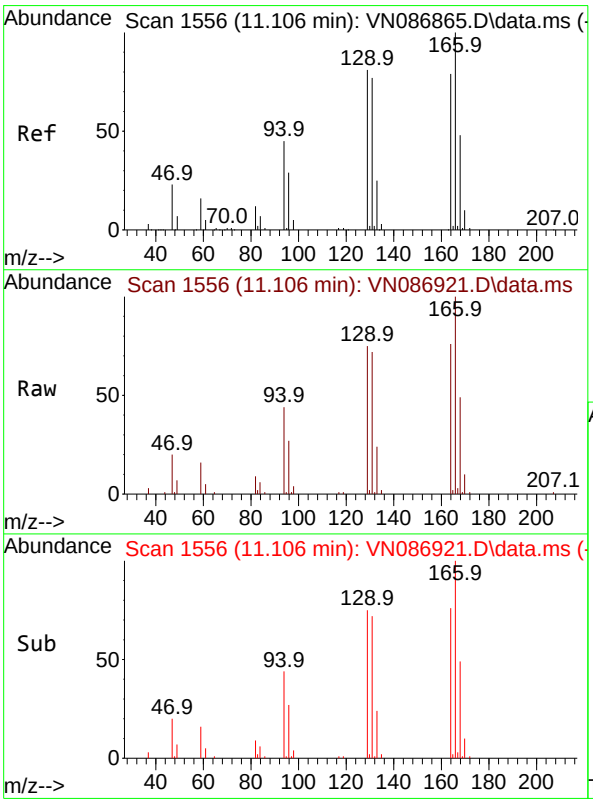
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:117 Resp: 593044

Ion	Ratio	Lower	Upper
117	100		
82	55.4	44.6	67.0
119	32.3	25.5	38.3

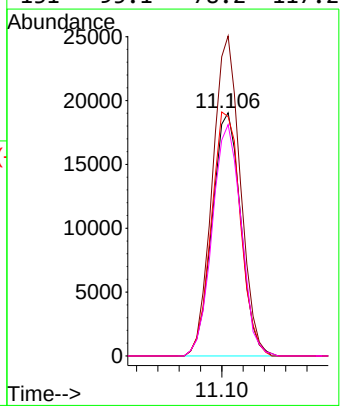


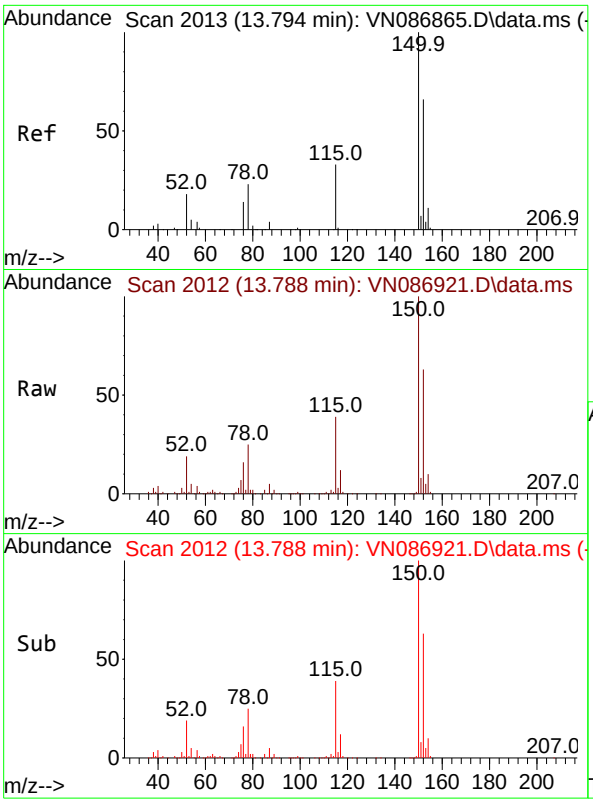


#64
Tetrachloroethene
Concen: 9.443 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. -0.000 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Tgt Ion:164 Resp: 35442

Ion	Ratio	Lower	Upper
164	100		
166	131.5	101.8	152.8
129	98.4	83.0	124.4
131	95.1	78.2	117.2



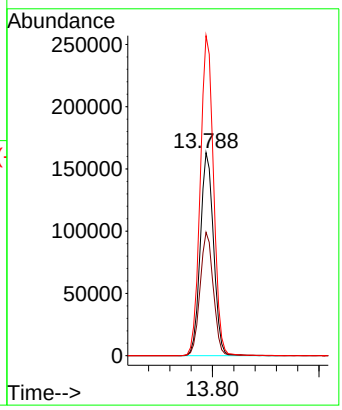


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086921.D
Acq: 10 Jun 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525

Tgt Ion:152 Resp: 281220

Ion	Ratio	Lower	Upper
152	100		
115	60.9	30.1	90.5
150	158.4	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086948.D
Acq On : 11 Jun 2025 15:06
Operator : JC\MD
Sample : Q2250-01DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

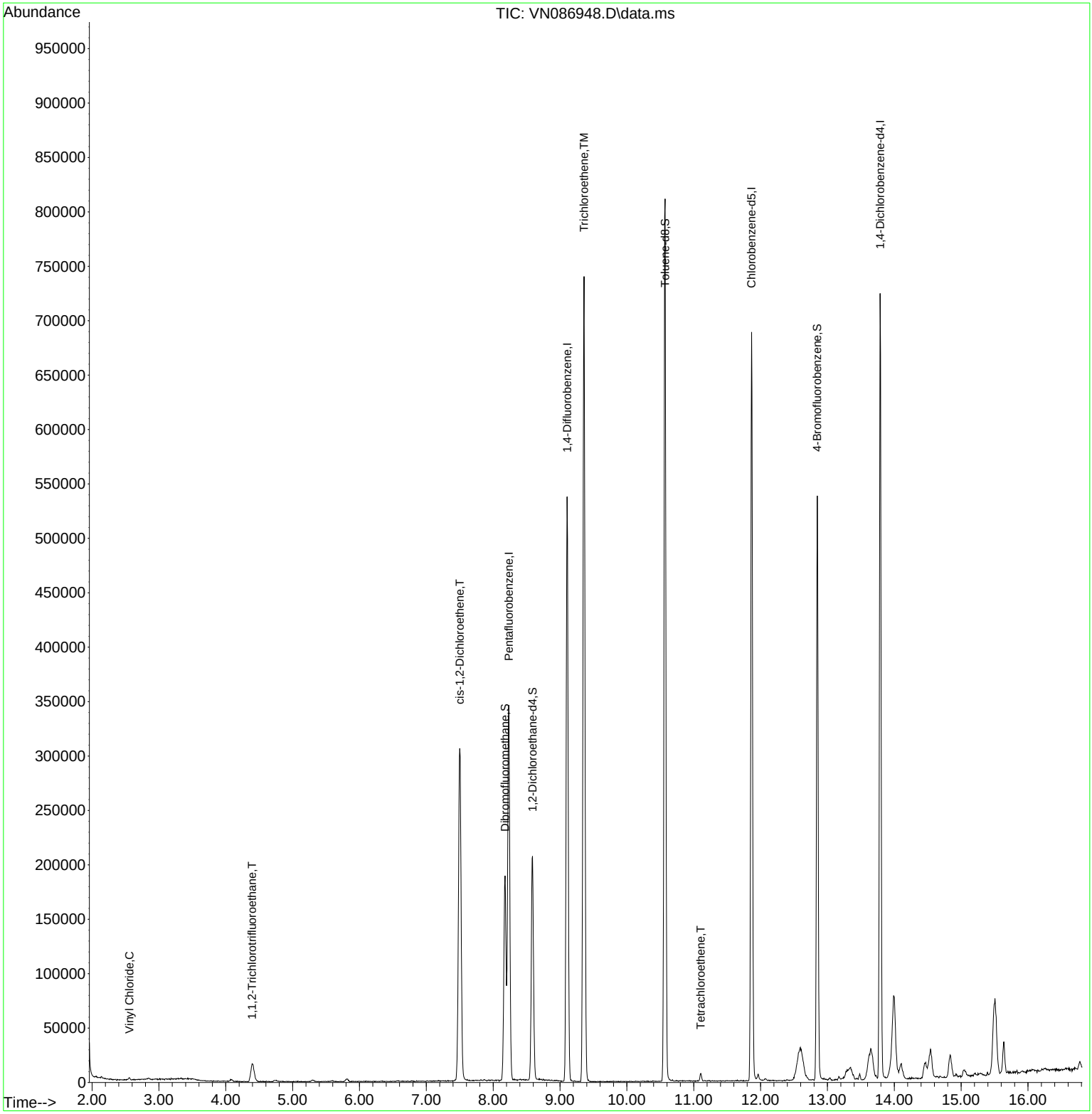
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.236	168	272350	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	500042	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	434591	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	168991	46.344	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.680%			
35) Dibromofluoromethane	8.177	113	143354	48.375	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.760%			
50) Toluene-d8	10.571	98	599641	51.115	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.240%			
62) 4-Bromofluorobenzene	12.847	95	214176	49.140	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.280%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.559	62	1187	0.328	ug/l	90
9) 1,1,2-Trichlorotrifluo...	4.395	101	13861	4.668	ug/l	97
27) cis-1,2-Dichloroethene	7.500	96	208706	51.744	ug/l	89
44) Trichloroethene	9.359	130	290594	84.873	ug/l	98
64) Tetrachloroethene	11.106	164	1673	0.608	ug/l #	78

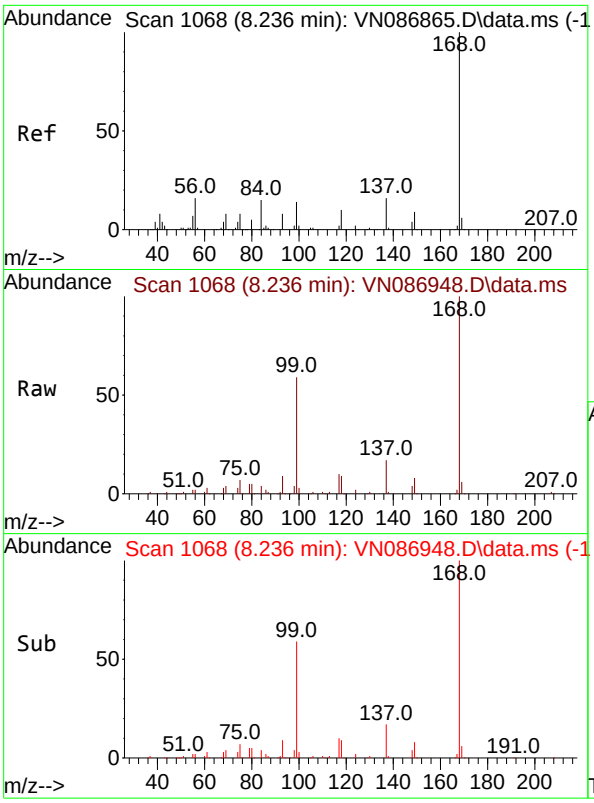
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086948.D
Acq On : 11 Jun 2025 15:06
Operator : JC\MD
Sample : Q2250-01DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Quant Time: Jun 12 01:33:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



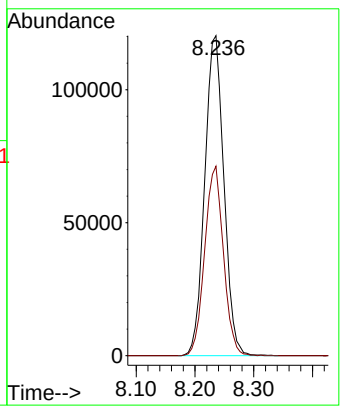


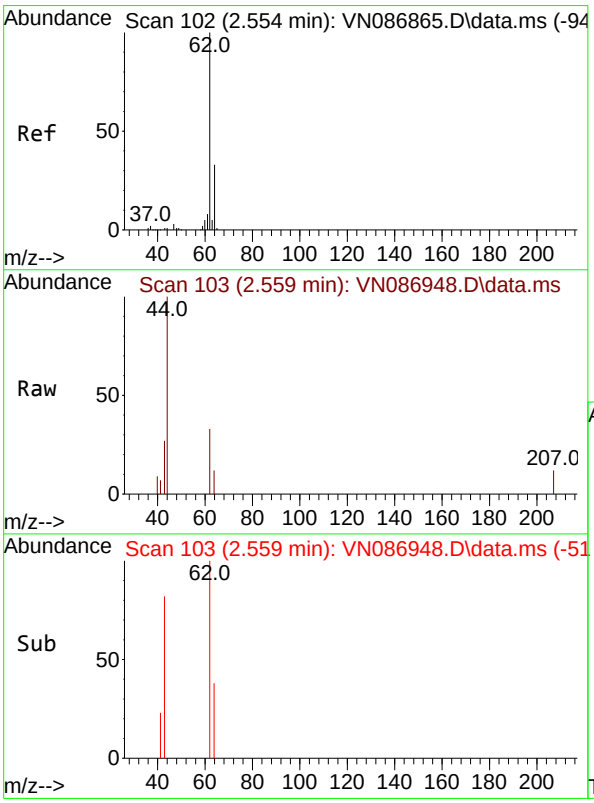
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion:168 Resp: 272350

Ion	Ratio	Lower	Upper
168	100		
99	59.2	49.1	73.7

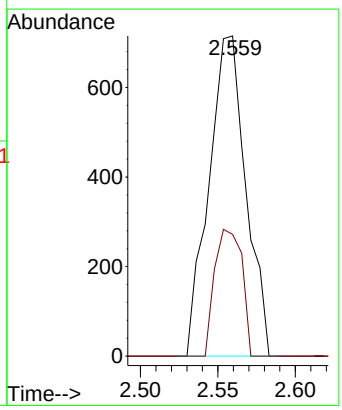


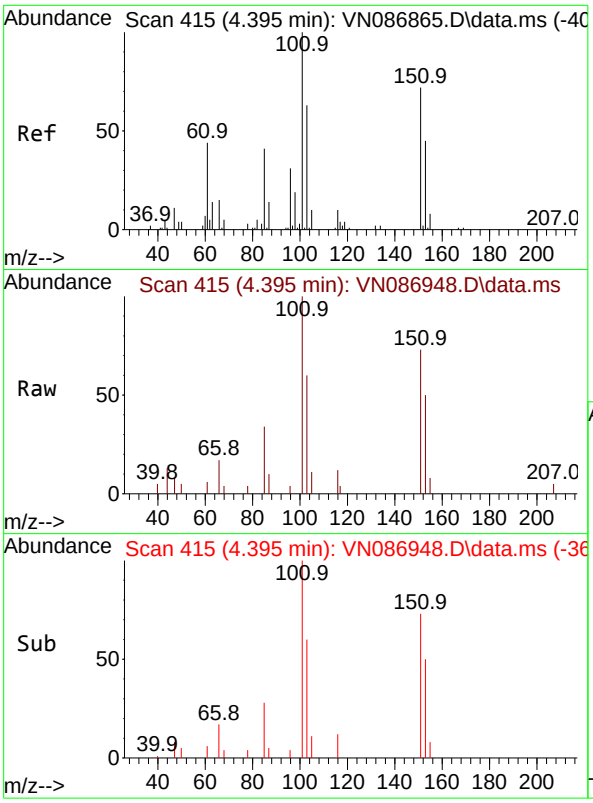


#4
Vinyl Chloride
Concen: 0.328 ug/l
RT: 2.559 min Scan# 103
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 62 Resp: 1187

Ion	Ratio	Lower	Upper
62	100		
64	38.0	26.0	39.0



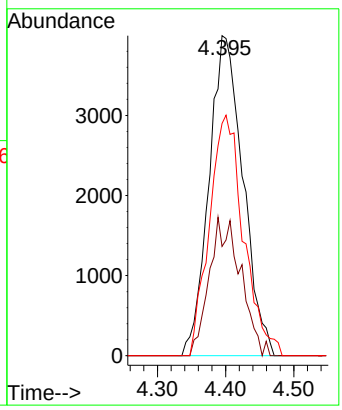


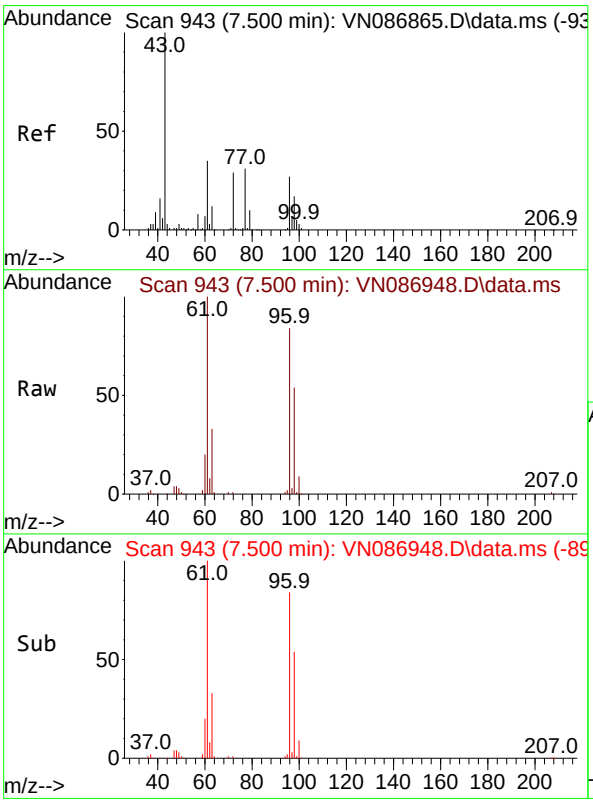
#9
1,1,2-Trichlorotrifluoroethane
Concen: 4.668 ug/l
RT: 4.395 min Scan# 41
Delta R.T. -0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion:101 Resp: 13861

Ion	Ratio	Lower	Upper
101	100		
85	39.8	33.8	50.8
151	75.5	58.7	88.1

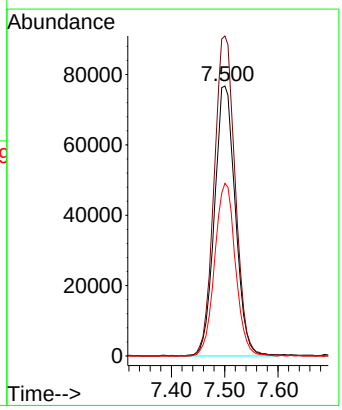


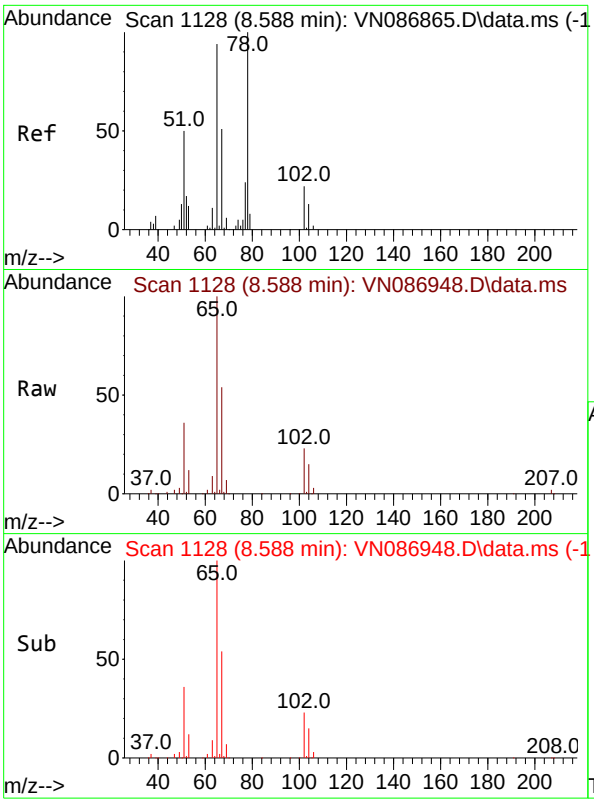


#27
cis-1,2-Dichloroethene
Concen: 51.744 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 96 Resp: 208706

Ion	Ratio	Lower	Upper
96	100		
61	120.1	0.0	278.0
98	63.6	0.0	128.2



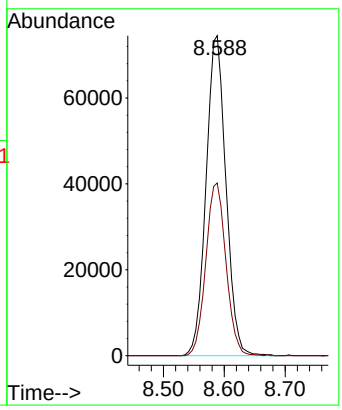


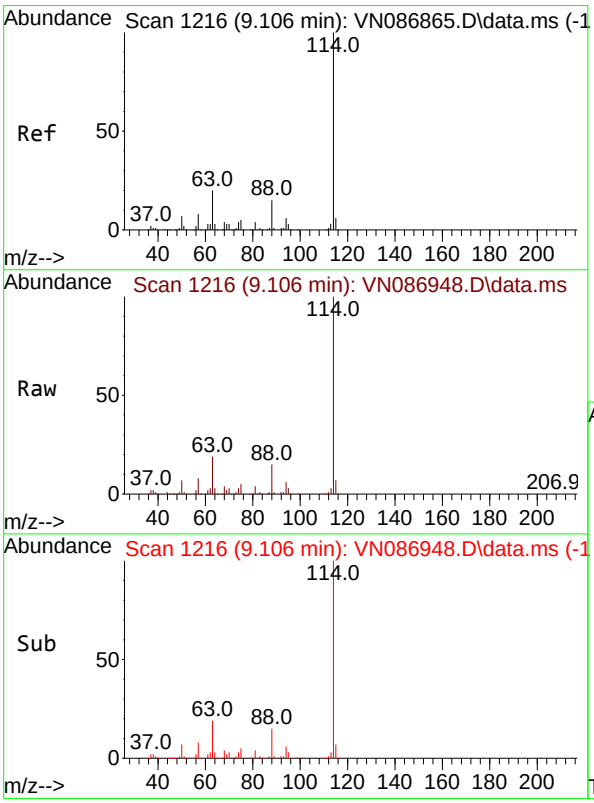
#33
1,2-Dichloroethane-d4
Concen: 46.344 ug/l
RT: 8.588 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion: 65 Resp: 168991

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6

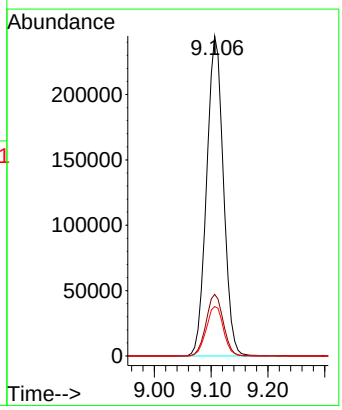


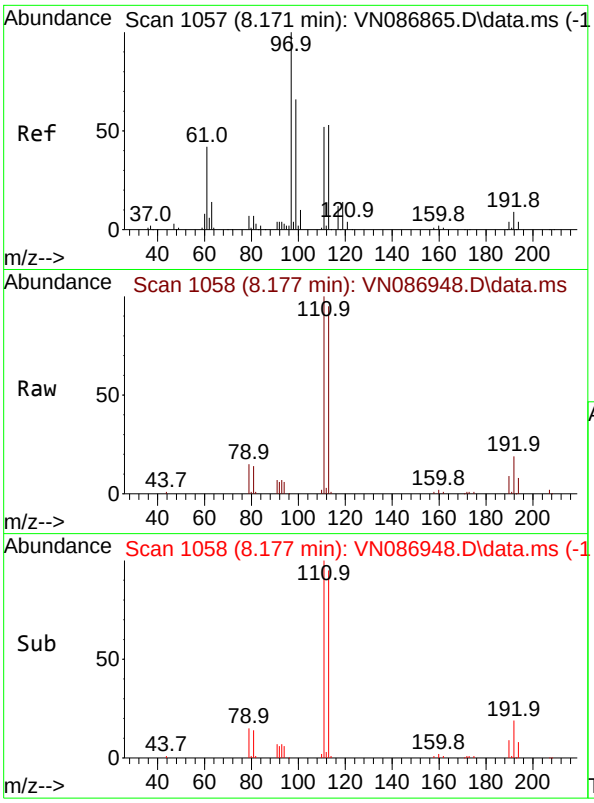


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1216
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:114 Resp: 500042

Ion	Ratio	Lower	Upper
114	100		
63	19.2	0.0	39.6
88	15.4	0.0	30.2



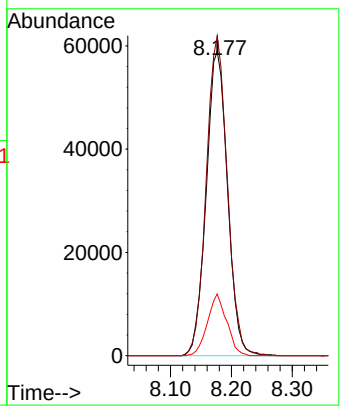


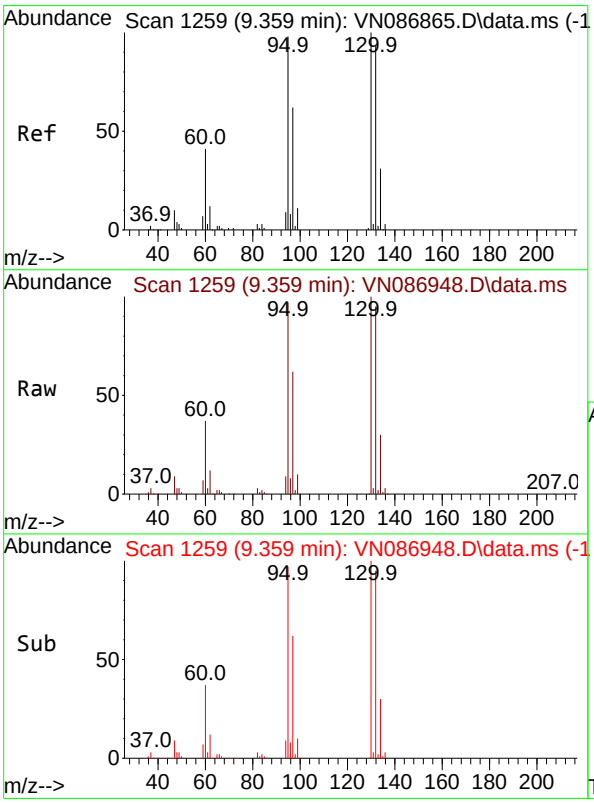
#35
Dibromofluoromethane
Concen: 48.375 ug/l
RT: 8.177 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion:113 Resp: 143354

Ion	Ratio	Lower	Upper
113	100		
111	103.8	84.2	126.2
192	18.3	14.2	21.4

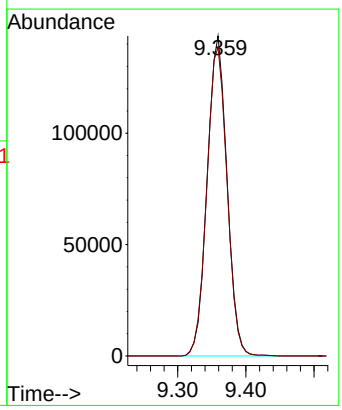


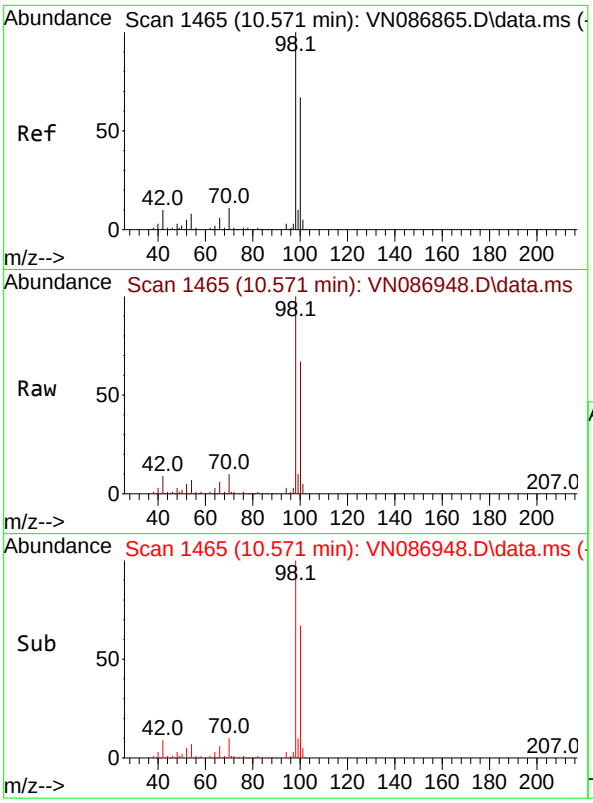


#44
Trichloroethene
Concen: 84.873 ug/l
RT: 9.359 min Scan# 1259
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:130 Resp: 290594

Ion	Ratio	Lower	Upper
130	100		
95	96.5	0.0	196.2



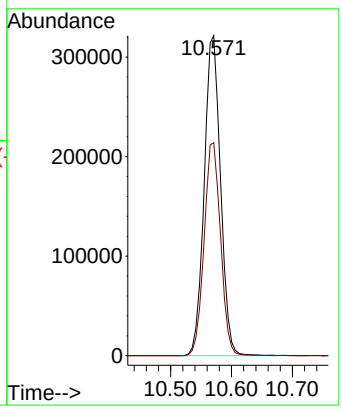


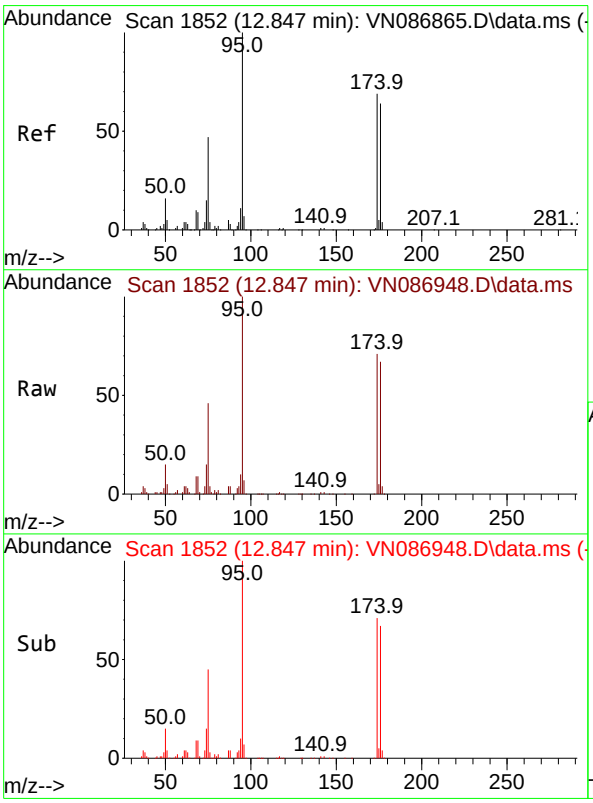
#50
Toluene-d8
Concen: 51.115 ug/l
RT: 10.571 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion: 98 Resp: 599641

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.4	80.0

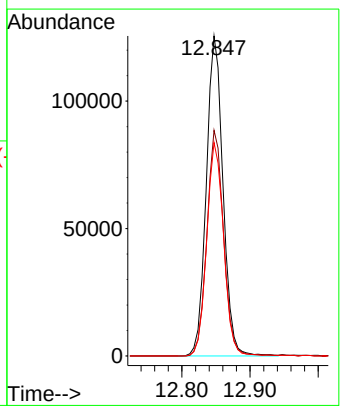


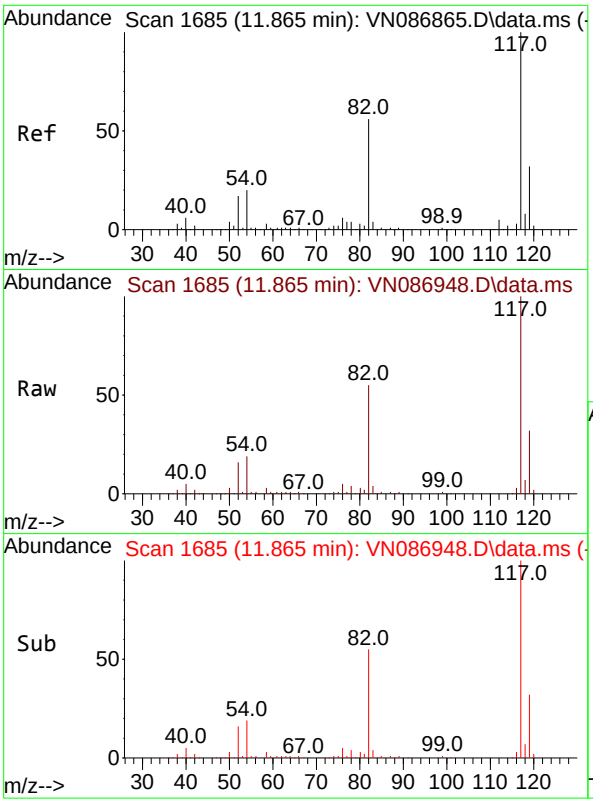


#62
4-Bromofluorobenzene
Concen: 49.140 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion: 95 Resp: 214176

Ion	Ratio	Lower	Upper
95	100		
174	70.6	0.0	141.8
176	67.6	0.0	132.6



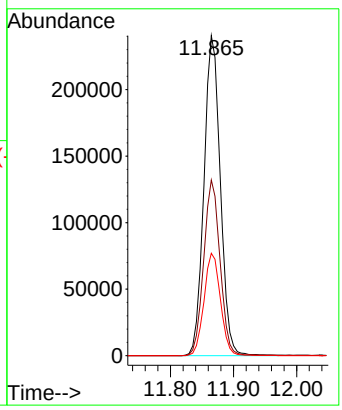


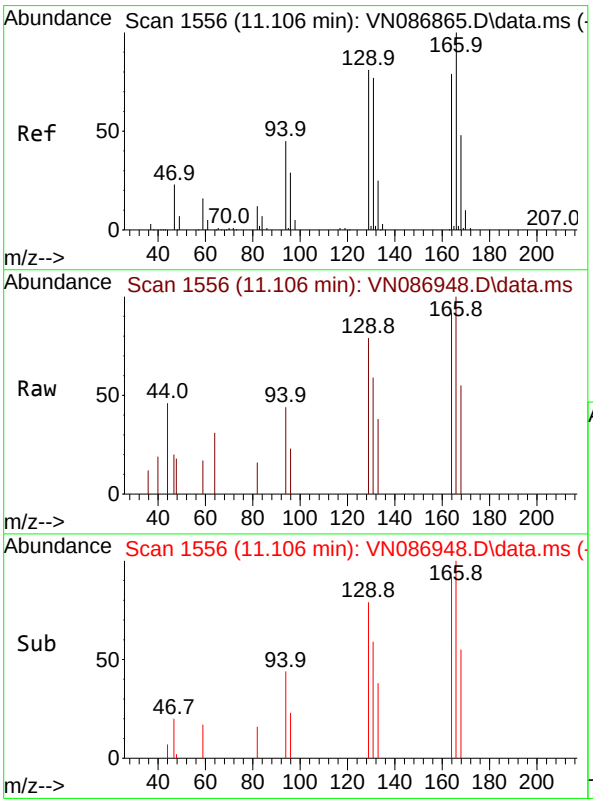
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion:117 Resp: 434591

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	32.0	25.5	38.3

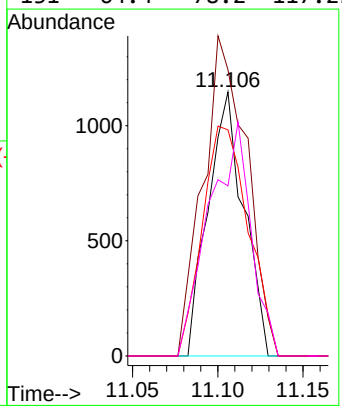


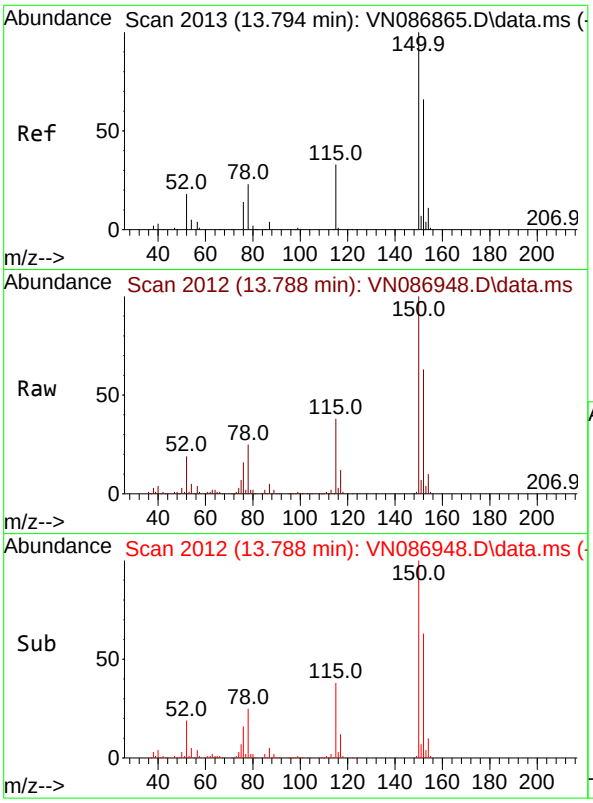


#64
Tetrachloroethene
Concen: 0.608 ug/l
RT: 11.106 min Scan# 1556
Delta R.T. 0.000 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Tgt Ion:164 Resp: 1673

Ion	Ratio	Lower	Upper
164	100		
166	108.4	101.8	152.8
129	85.6	83.0	124.4
131	64.4	78.2	117.2#



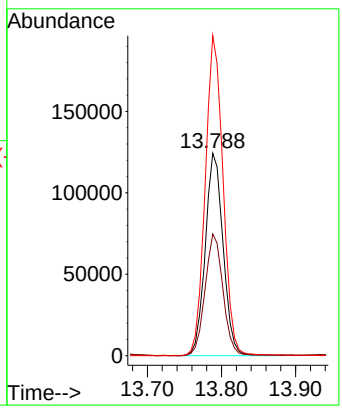


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086948.D
Acq: 11 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525DL

Tgt Ion:152 Resp: 208257

Ion	Ratio	Lower	Upper
152	100		
115	60.5	30.1	90.5
150	157.5	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086919.D
Acq On : 10 Jun 2025 11:47
Operator : JC\MD
Sample : Q2250-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Quant Time: Jun 11 01:51:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

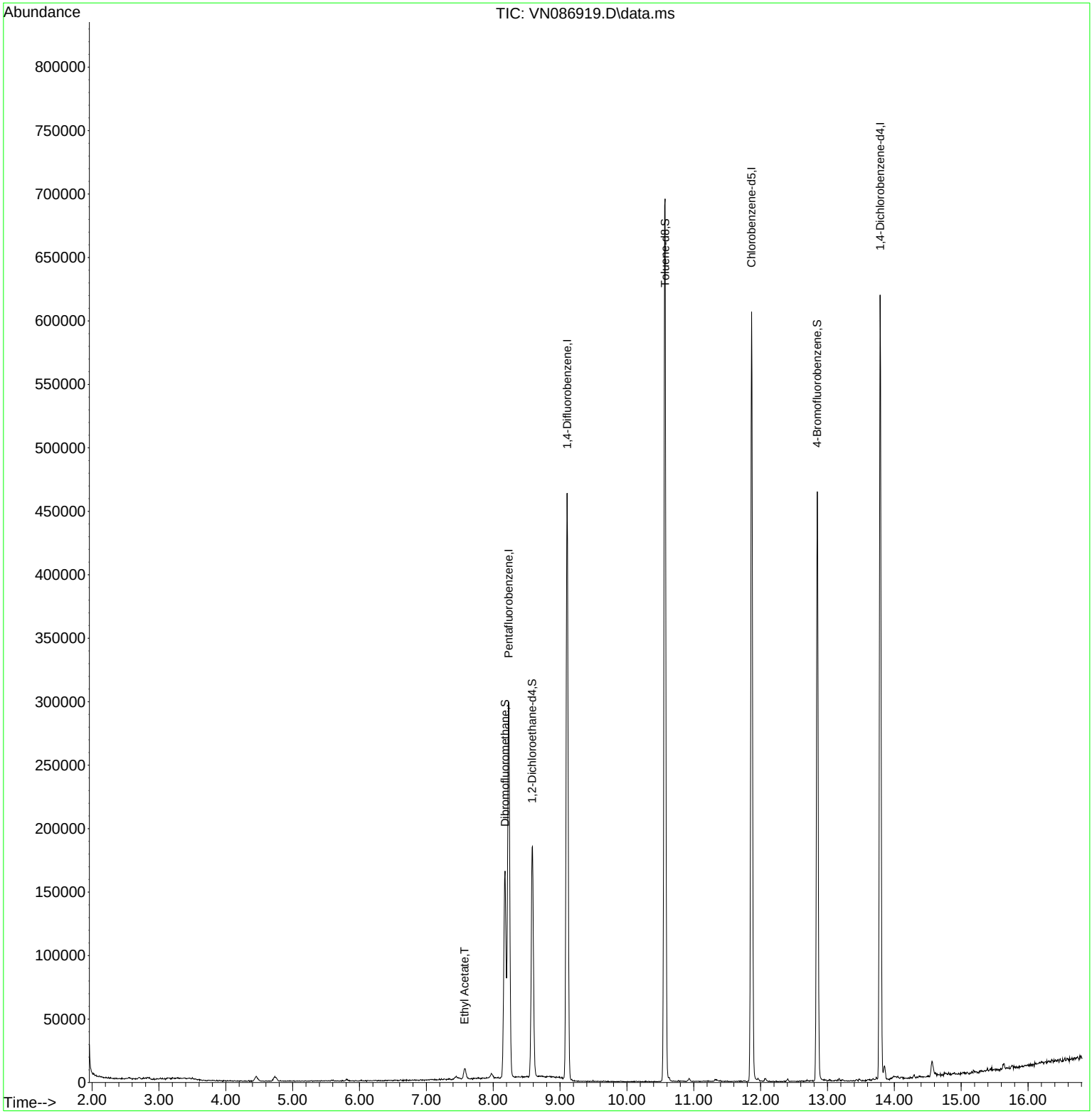
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	232754	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	433385	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	149250	47.893	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 95.780%			
35) Dibromofluoromethane	8.177	113	125229	48.759	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.520%			
50) Toluene-d8	10.571	98	523905	51.528	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.847	95	184714	48.899	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.800%			
Target Compounds						Qvalue
37) Ethyl Acetate	7.571	43	12844	2.636	ug/l	98

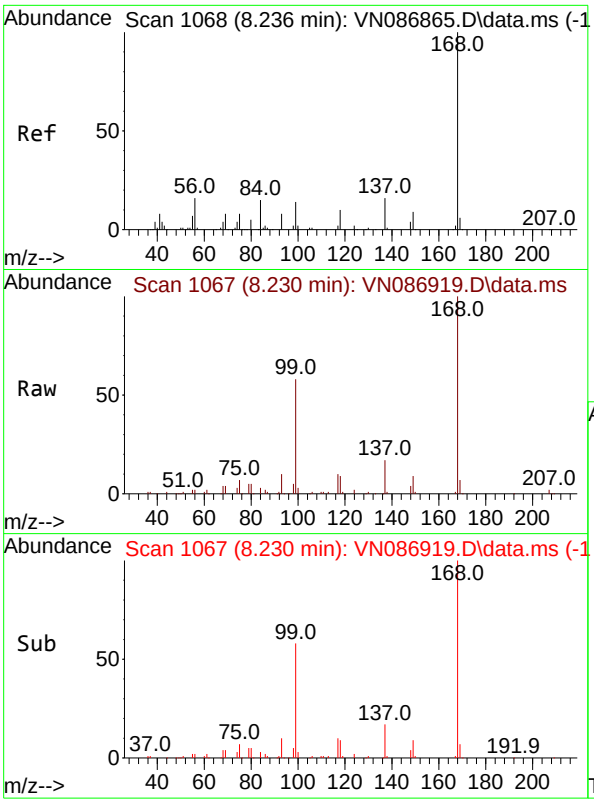
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086919.D
Acq On : 10 Jun 2025 11:47
Operator : JC\MD
Sample : Q2250-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Quant Time: Jun 11 01:51:21 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



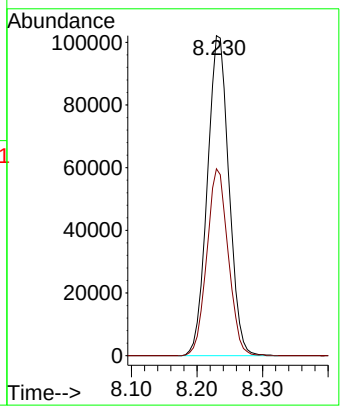


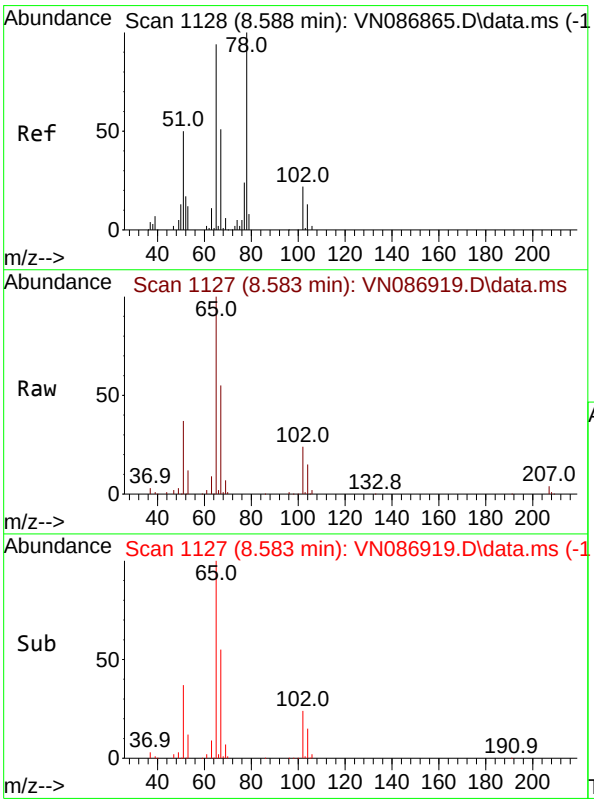
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Tgt Ion:168 Resp: 232754

Ion	Ratio	Lower	Upper
168	100		
99	58.4	49.1	73.7

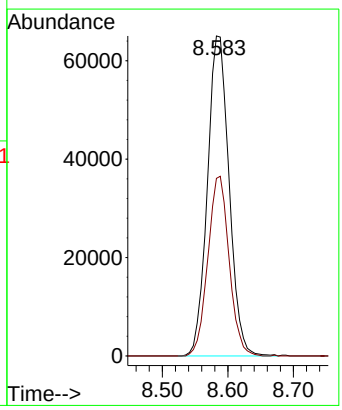


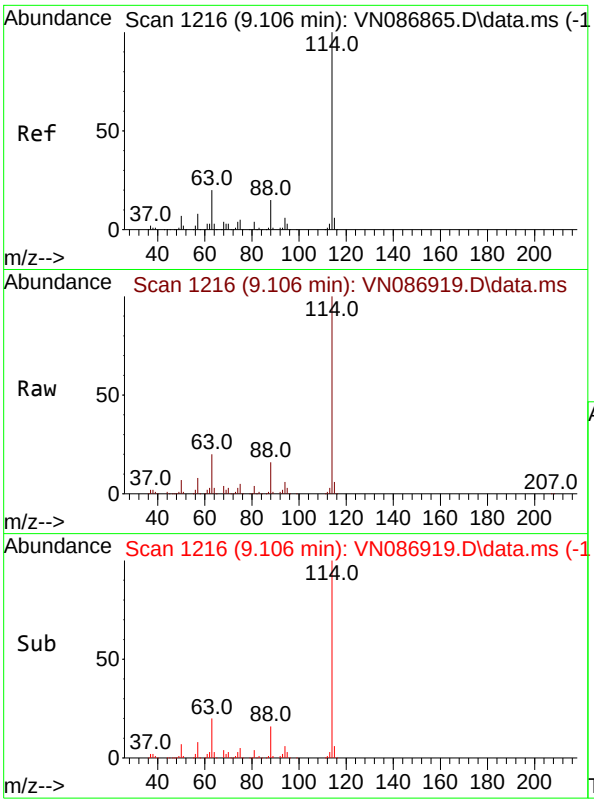


#33
1,2-Dichloroethane-d4
Concen: 47.893 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Tgt Ion: 65 Resp: 149250

Ion	Ratio	Lower	Upper
65	100		
67	55.1	0.0	105.6



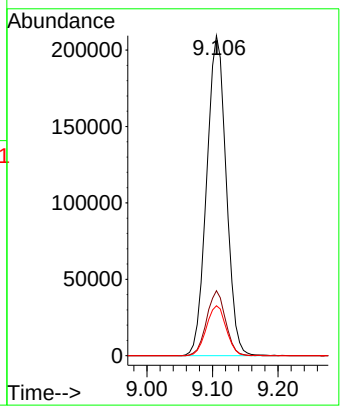


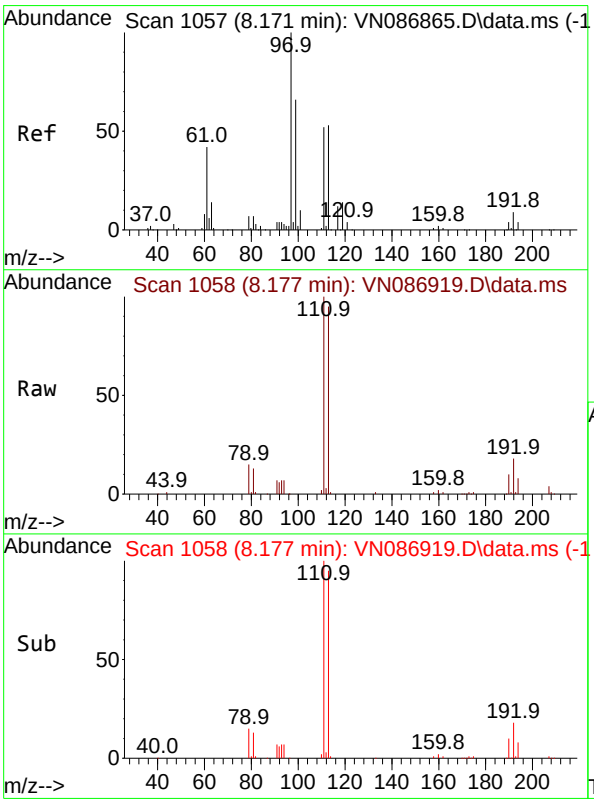
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Tgt Ion:114 Resp: 433385

Ion	Ratio	Lower	Upper
114	100		
63	20.3	0.0	39.6
88	15.6	0.0	30.2

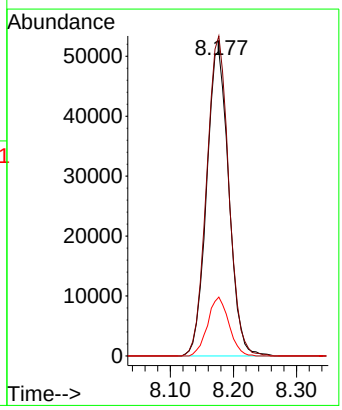


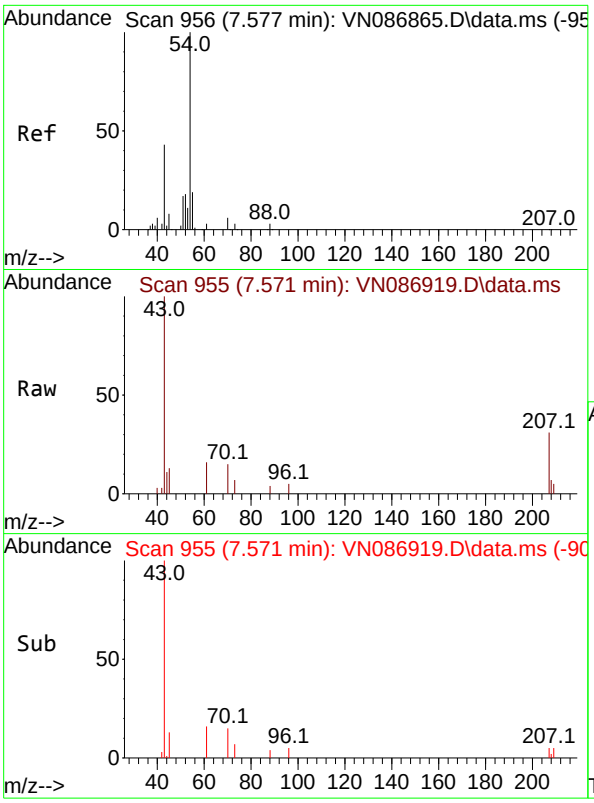


#35
Dibromofluoromethane
Concen: 48.759 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Tgt Ion:113 Resp: 125229

Ion	Ratio	Lower	Upper
113	100		
111	103.7	84.2	126.2
192	18.4	14.2	21.4



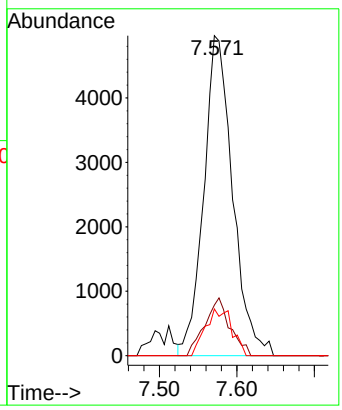


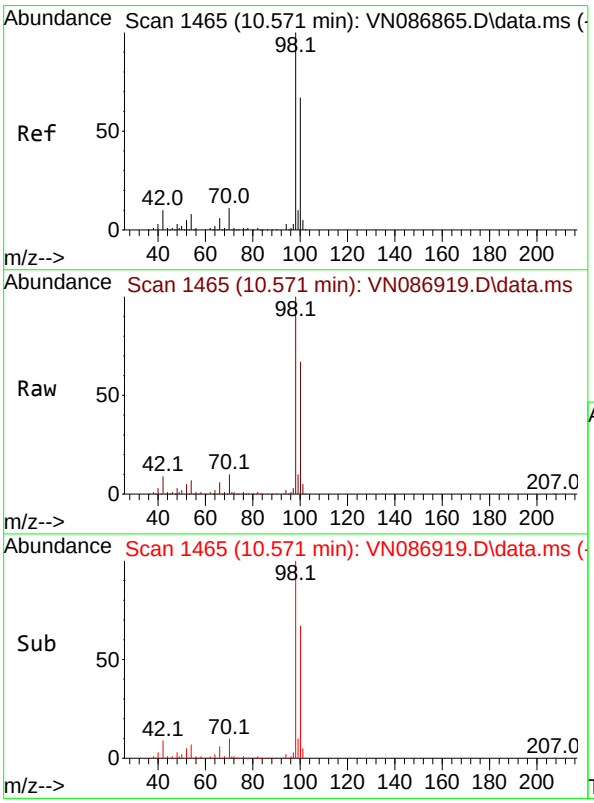
#37
Ethyl Acetate
Concen: 2.636 ug/l
RT: 7.571 min Scan# 9
Delta R.T. -0.006 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Tgt Ion: 43 Resp: 12844

Ion	Ratio	Lower	Upper
43	100		
61	15.8	12.1	18.1
70	13.4	9.8	14.6

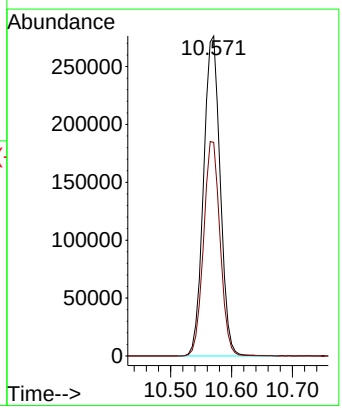


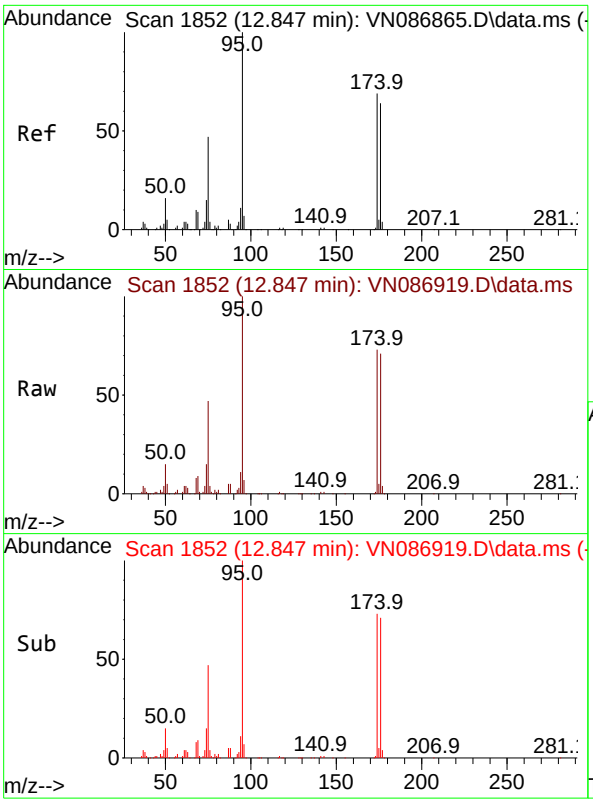


#50
Toluene-d8
Concen: 51.528 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Tgt Ion: 98 Resp: 523905

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.4	80.0



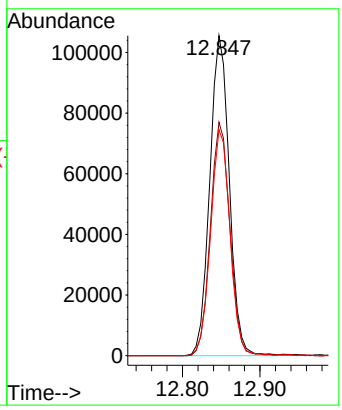


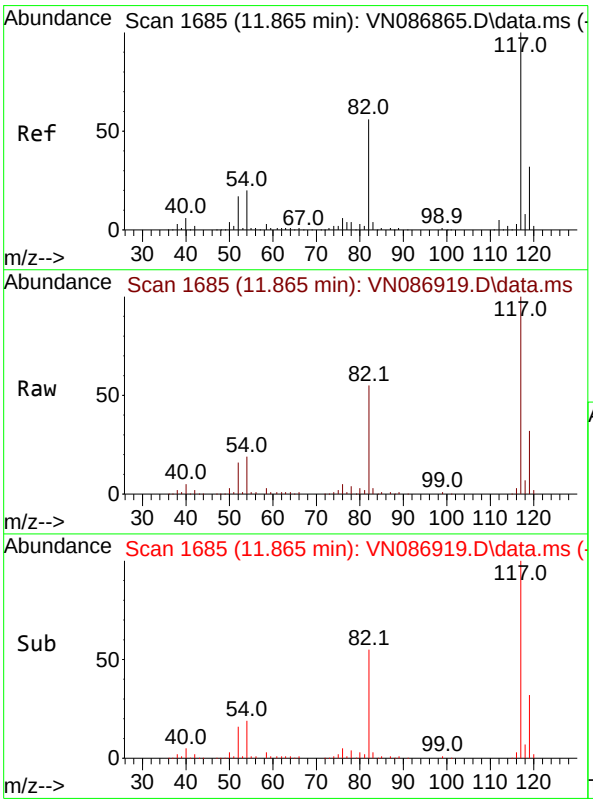
#62
4-Bromofluorobenzene
Concen: 48.899 ug/l
RT: 12.847 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Tgt Ion: 95 Resp: 184714

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	141.8
176	70.0	0.0	132.6

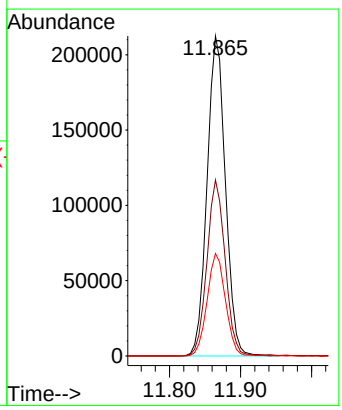


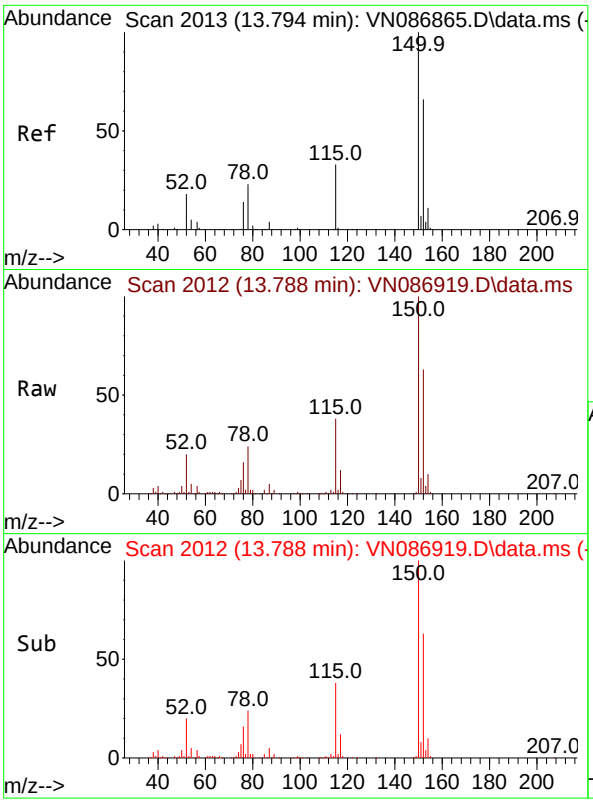


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Tgt Ion:117 Resp: 381245

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	32.0	25.5	38.3



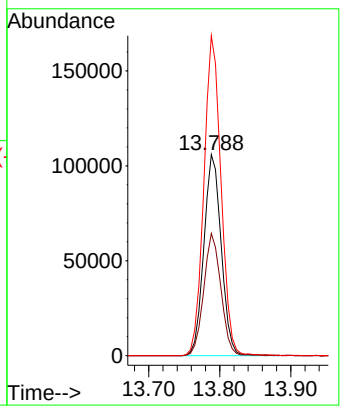


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2
Delta R.T. -0.006 min
Lab File: VN086919.D
Acq: 10 Jun 2025 11:47

Instrument :
MSVOA_N
ClientSampleId :
EB02-060525

Tgt Ion:152 Resp: 180063

Ion	Ratio	Lower	Upper
152	100		
115	60.2	30.1	90.5
150	157.3	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086920.D
Acq On : 10 Jun 2025 12:08
Operator : JC\MD
Sample : Q2250-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Quant Time: Jun 11 01:51:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	350151	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	648560	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	563762	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	266280	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	221297	47.204	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.400%			
35) Dibromofluoromethane	8.177	113	187512	48.787	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.580%			
50) Toluene-d8	10.565	98	777698	51.112	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.220%			
62) 4-Bromofluorobenzene	12.847	95	277459	49.082	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.160%			

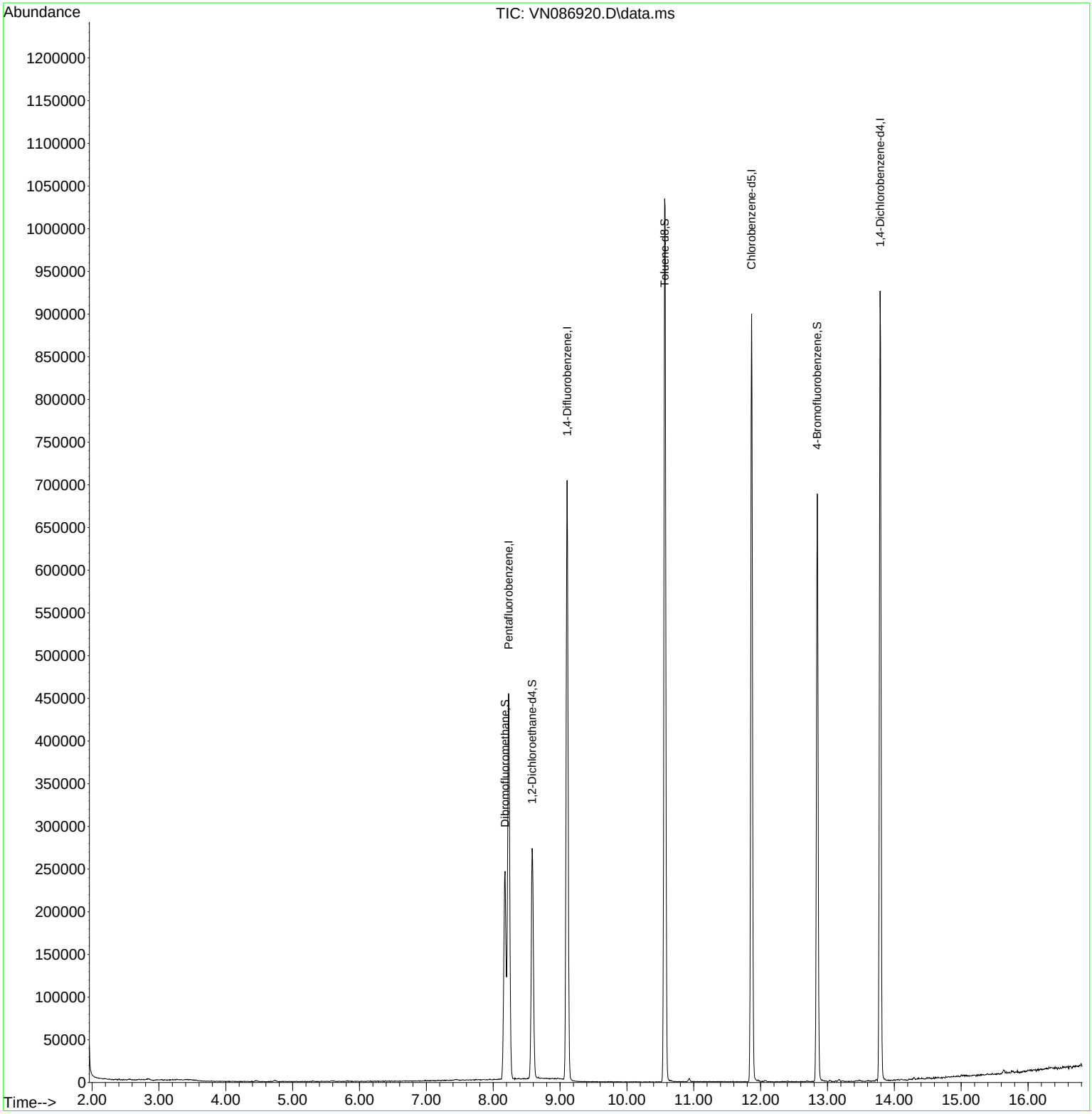
Target Compounds	Qvalue

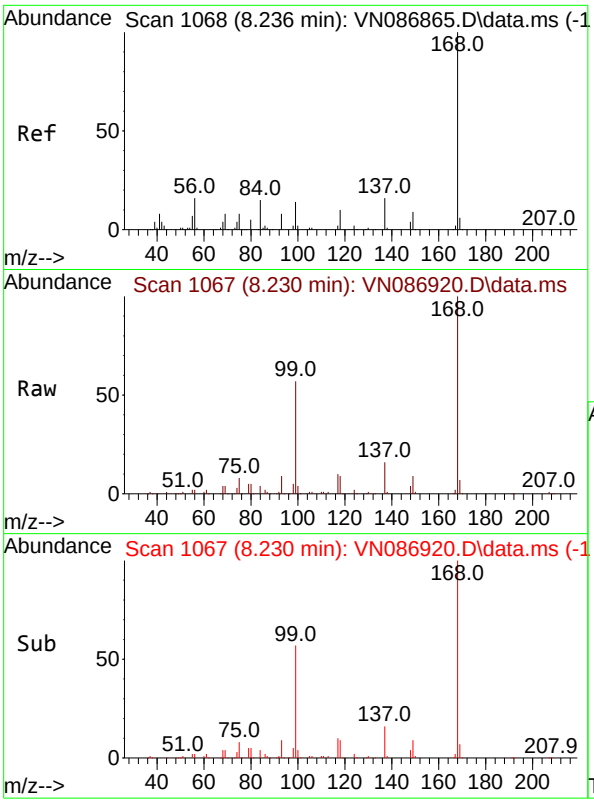
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086920.D
Acq On : 10 Jun 2025 12:08
Operator : JC\MD
Sample : Q2250-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Quant Time: Jun 11 01:51:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



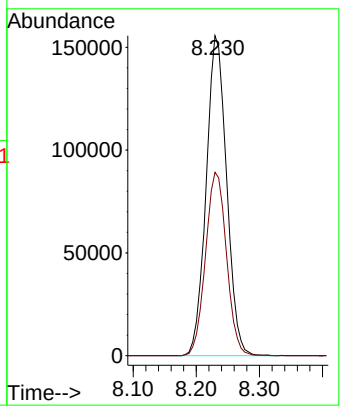


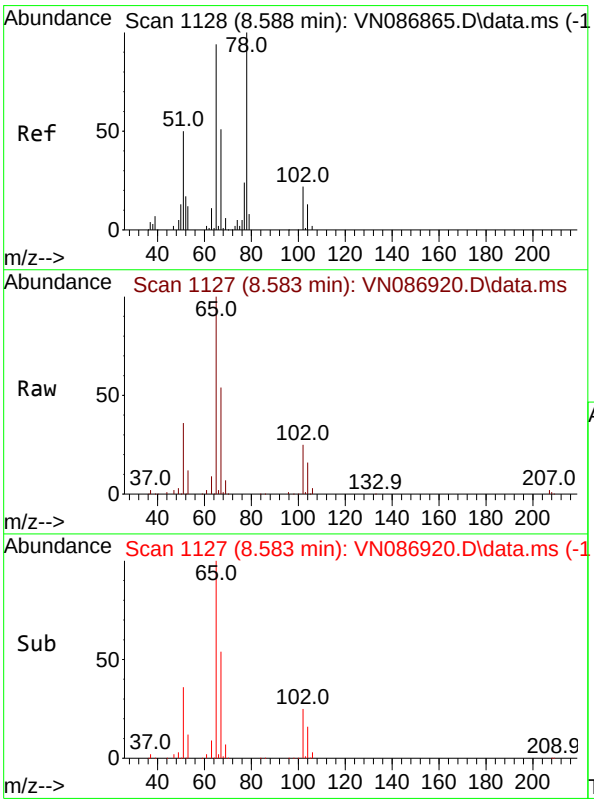
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Tgt Ion:168 Resp: 350151

Ion	Ratio	Lower	Upper
168	100		
99	57.3	49.1	73.7

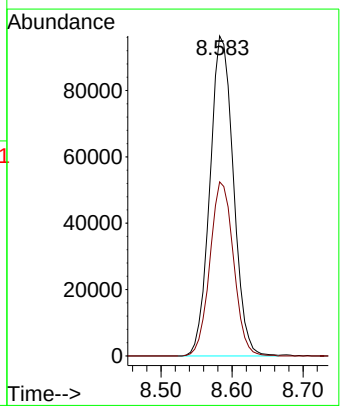


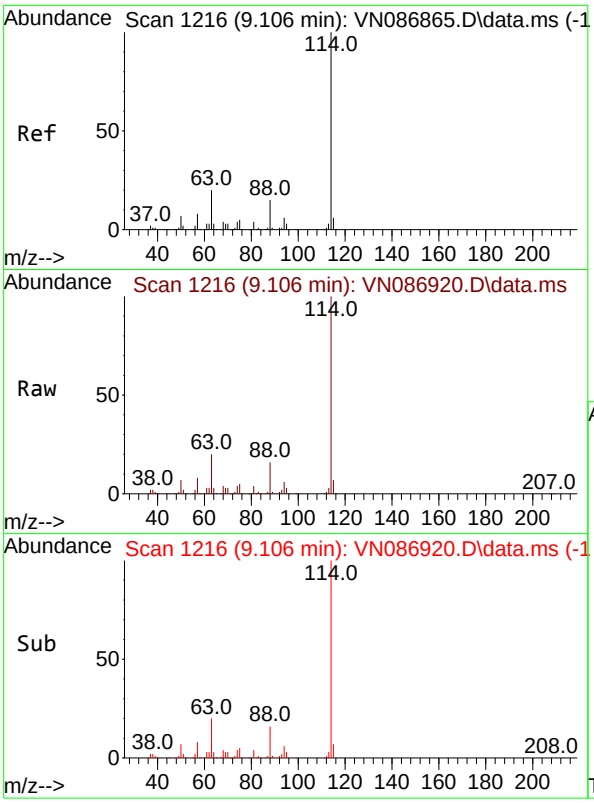


#33
1,2-Dichloroethane-d4
Concen: 47.204 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion: 65 Resp: 221297

Ion	Ratio	Lower	Upper
65	100		
67	54.6	0.0	105.6



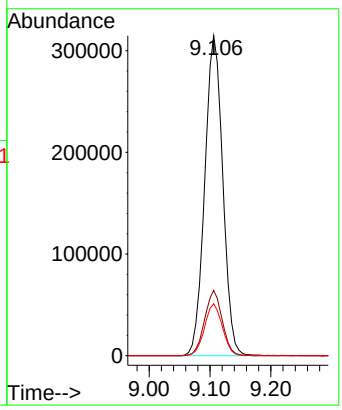


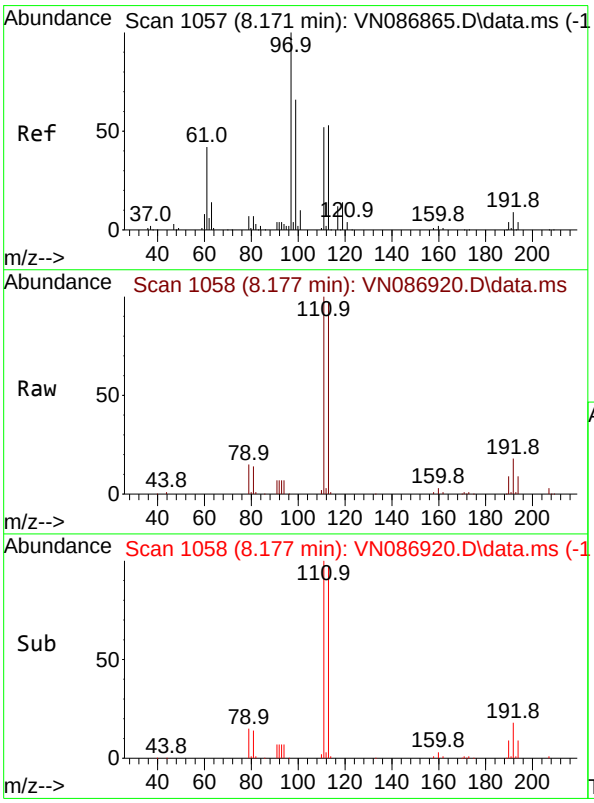
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Tgt Ion:114 Resp: 648560

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	39.6
88	16.2	0.0	30.2

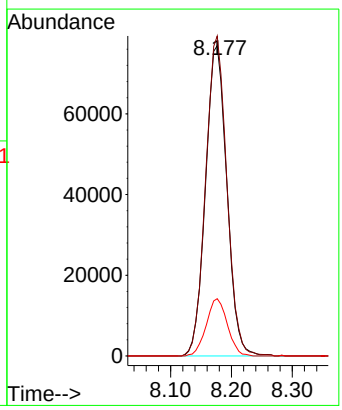


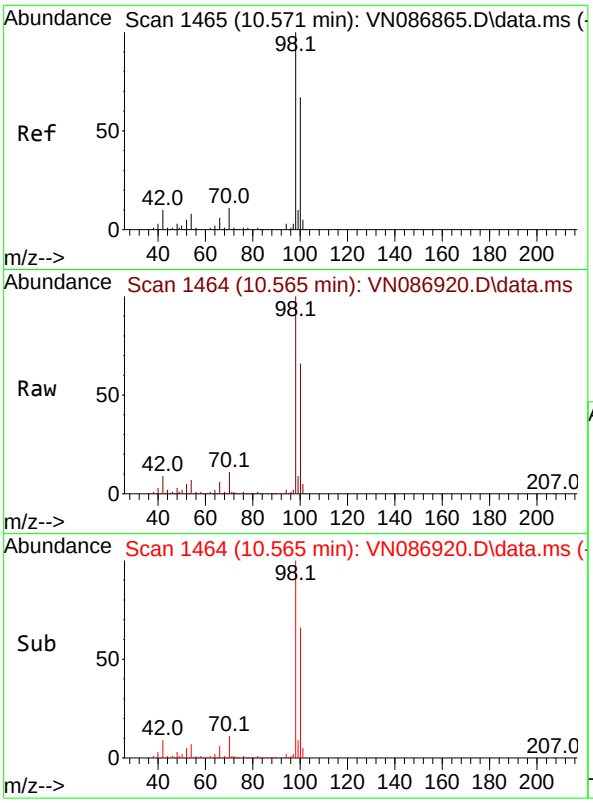


#35
Dibromofluoromethane
Concen: 48.787 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion:113 Resp: 187512

Ion	Ratio	Lower	Upper
113	100		
111	102.2	84.2	126.2
192	18.2	14.2	21.4



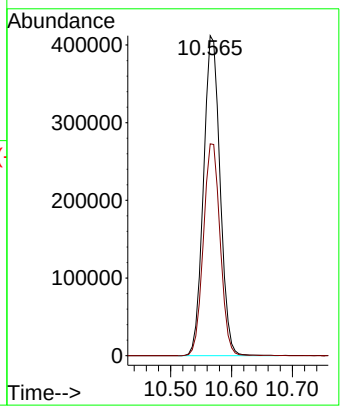


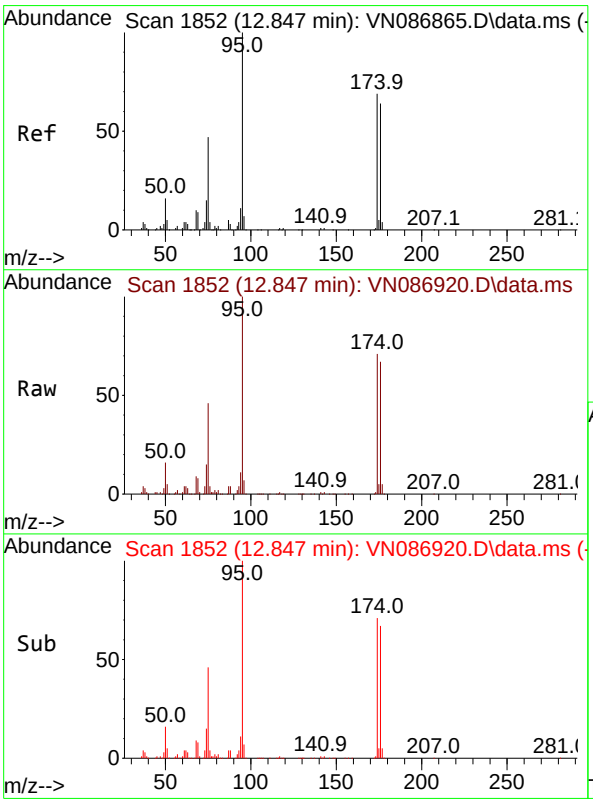
#50
Toluene-d8
Concen: 51.112 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Tgt Ion: 98 Resp: 777698

Ion	Ratio	Lower	Upper
98	100		
100	66.9	53.4	80.0

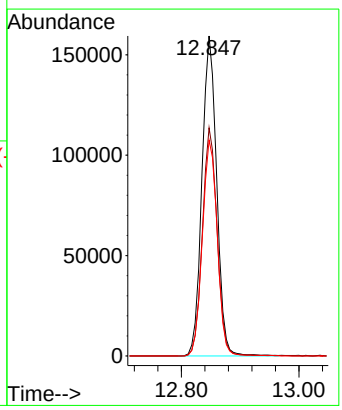


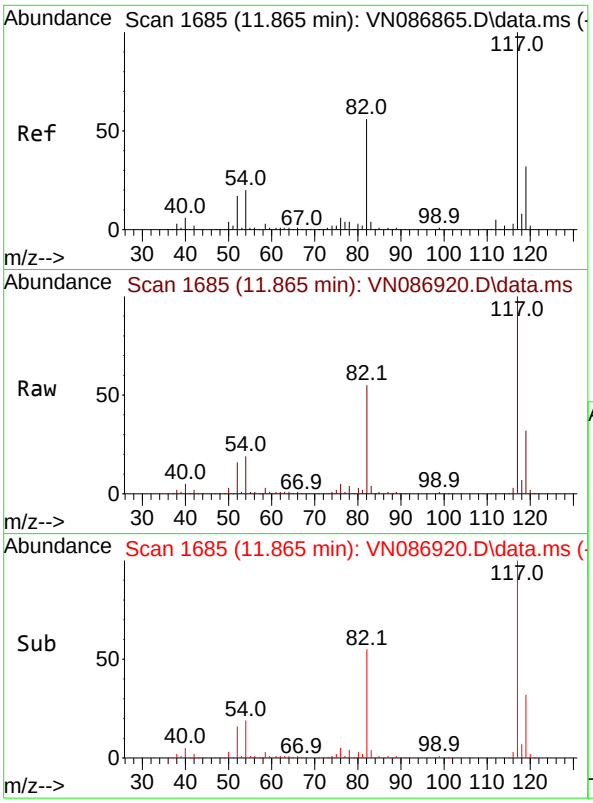


#62
4-Bromofluorobenzene
Concen: 49.082 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion: 95 Resp: 277459

Ion	Ratio	Lower	Upper
95	100		
174	70.9	0.0	141.8
176	67.9	0.0	132.6



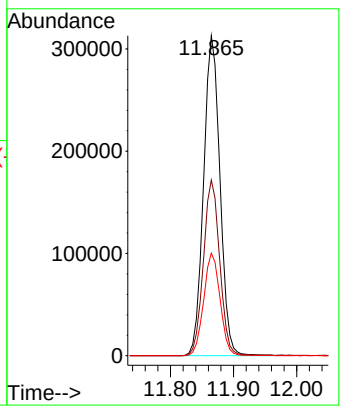


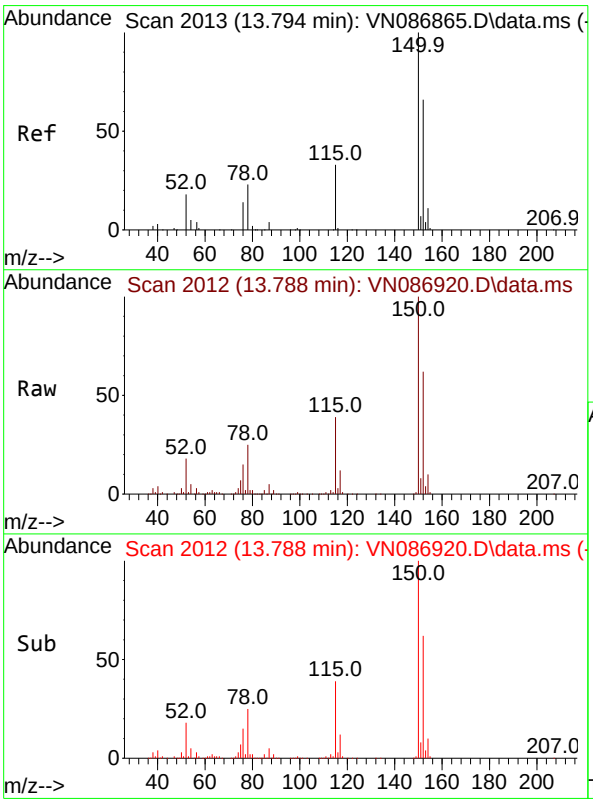
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Instrument :
MSVOA_N
ClientSampleId :
TB-01-060525

Tgt Ion:117 Resp: 563762

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	67.0
119	32.1	25.5	38.3

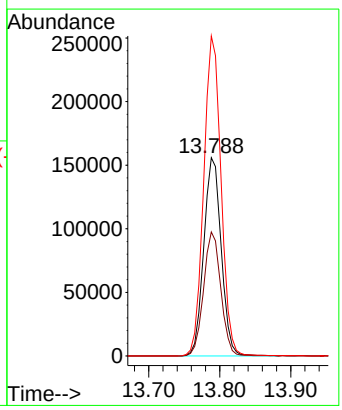




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086920.D
Acq: 10 Jun 2025 12:08

Tgt Ion:152 Resp: 266280

Ion	Ratio	Lower	Upper
152	100		
115	61.7	30.1	90.5
150	160.6	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	241251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	440901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	386425	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	183380	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	150863	46.706	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.420%			
35) Dibromofluoromethane	8.177	113	127940	48.965	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.940%			
50) Toluene-d8	10.565	98	532983	51.527	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.060%			
62) 4-Bromofluorobenzene	12.847	95	188114	48.950	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.900%			

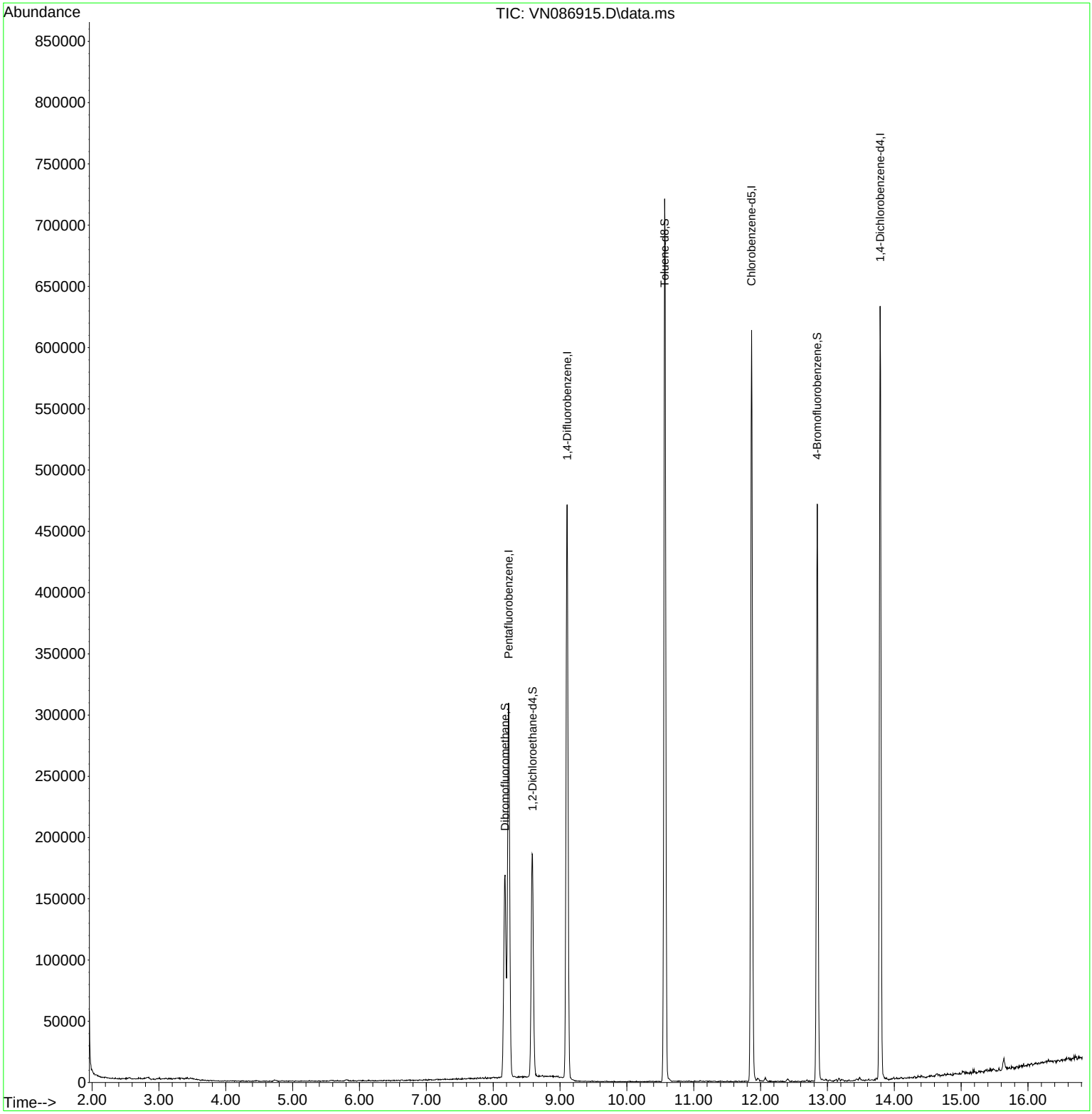
Target Compounds Qvalue

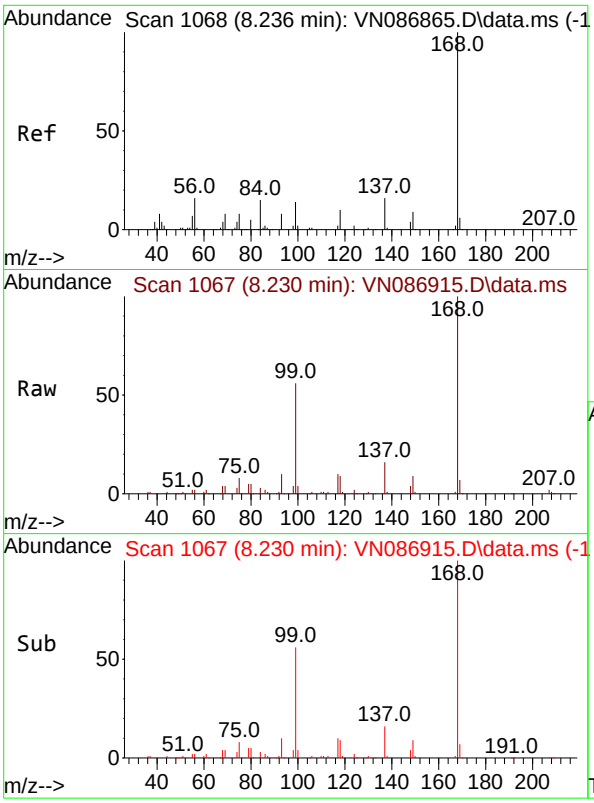
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086915.D
Acq On : 10 Jun 2025 10:09
Operator : JC\MD
Sample : VN0610WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Quant Time: Jun 11 01:48:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



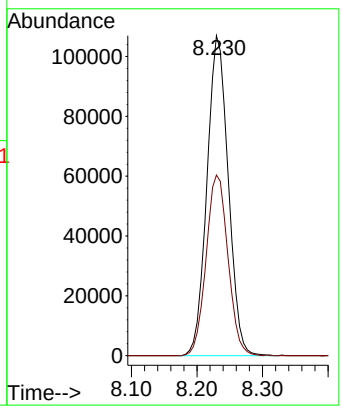


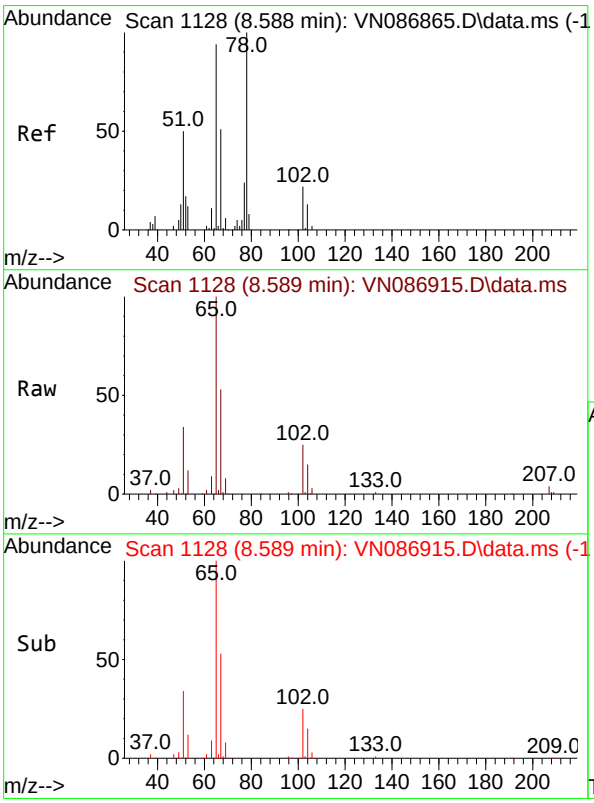
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Tgt Ion:168 Resp: 241251

Ion	Ratio	Lower	Upper
168	100		
99	56.4	49.1	73.7

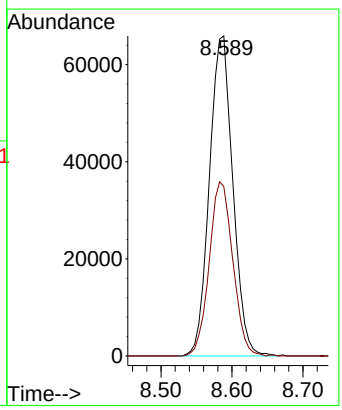


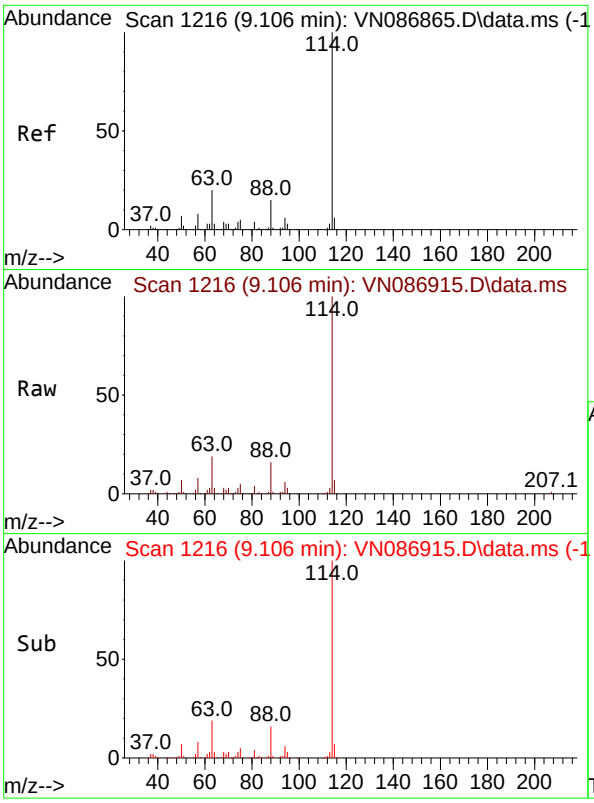


#33
1,2-Dichloroethane-d4
Concen: 46.706 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion: 65 Resp: 150863

Ion	Ratio	Lower	Upper
65	100		
67	54.8	0.0	105.6



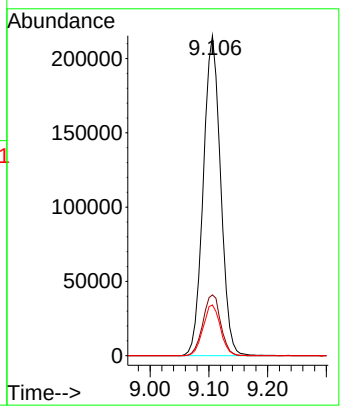


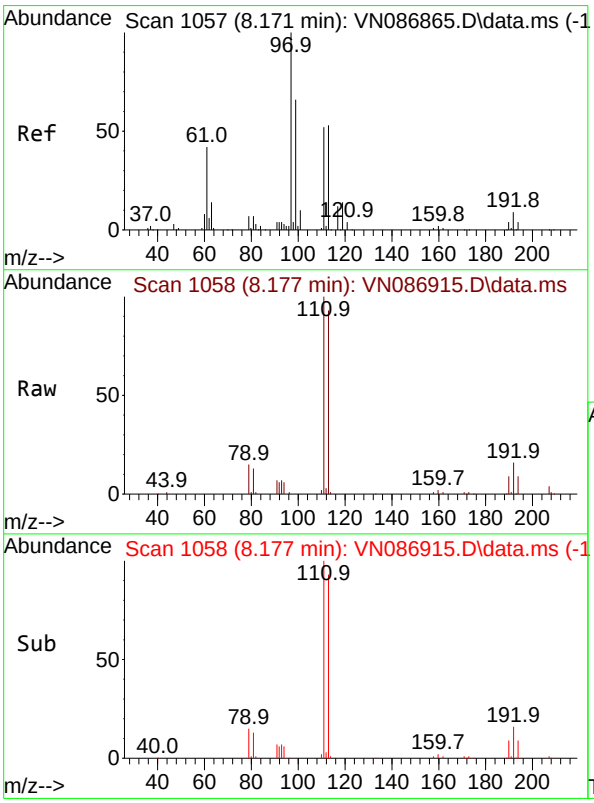
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Tgt Ion:114 Resp: 440901

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	15.9	0.0	30.2

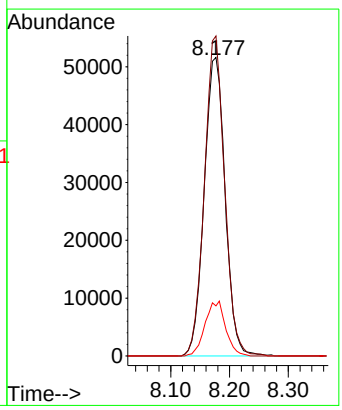


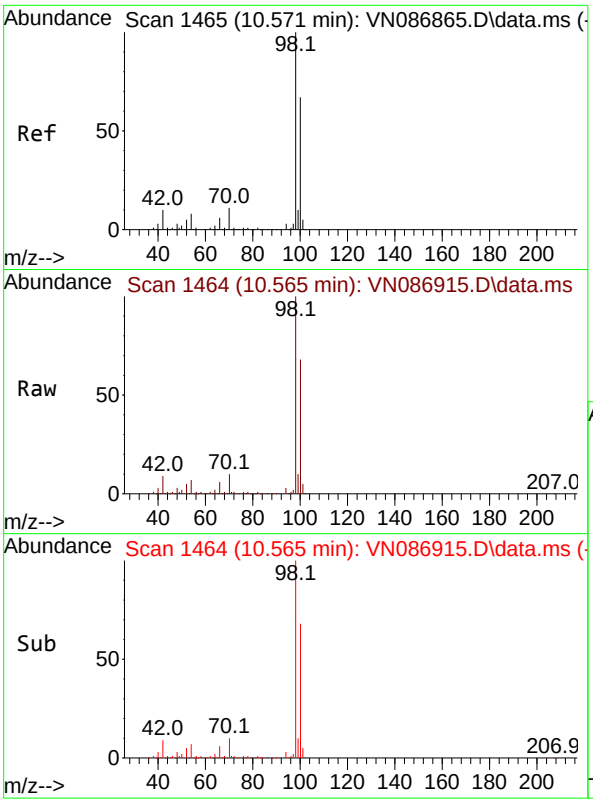


#35
Dibromofluoromethane
Concen: 48.965 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion:113 Resp: 127940

Ion	Ratio	Lower	Upper
113	100		
111	103.3	84.2	126.2
192	18.1	14.2	21.4



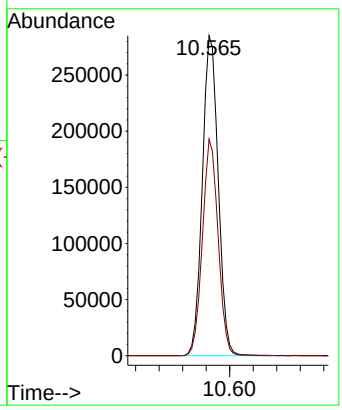


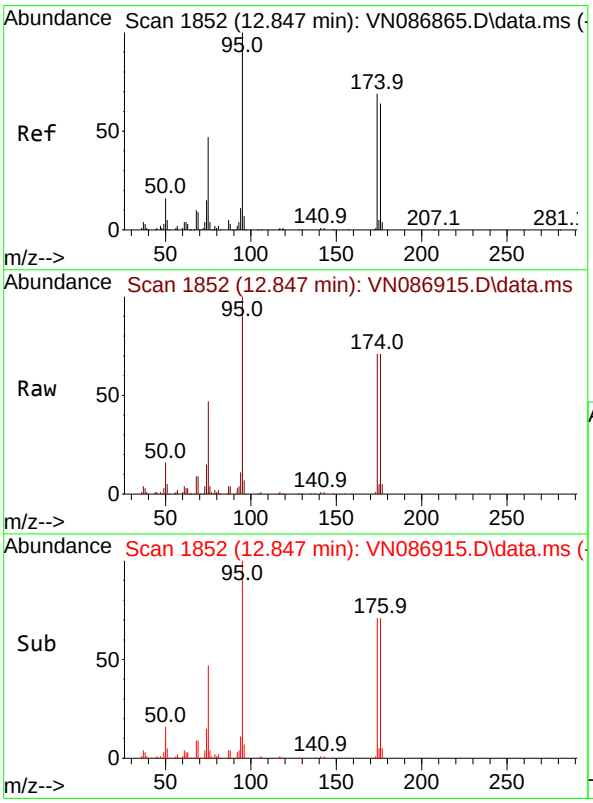
#50
Toluene-d8
Concen: 51.527 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Tgt Ion: 98 Resp: 532983

Ion	Ratio	Lower	Upper
98	100		
100	66.7	53.4	80.0

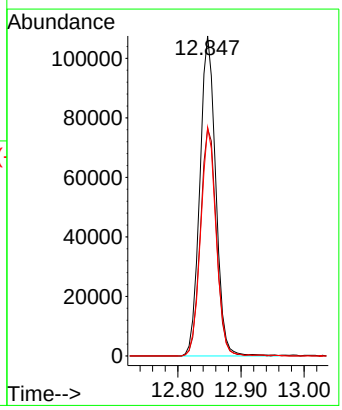


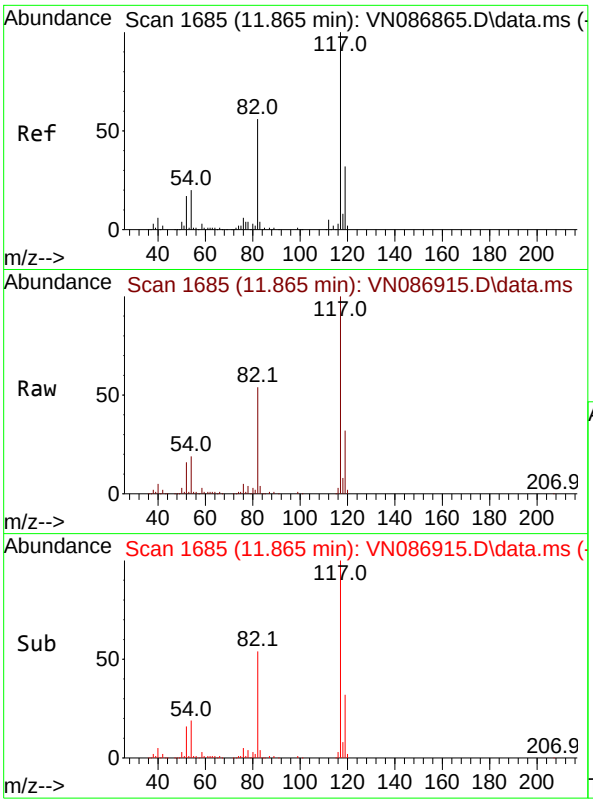


#62
4-Bromofluorobenzene
Concen: 48.950 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion: 95 Resp: 188114

Ion	Ratio	Lower	Upper
95	100		
174	71.2	0.0	141.8
176	69.4	0.0	132.6



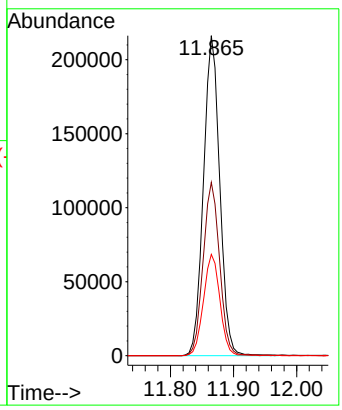


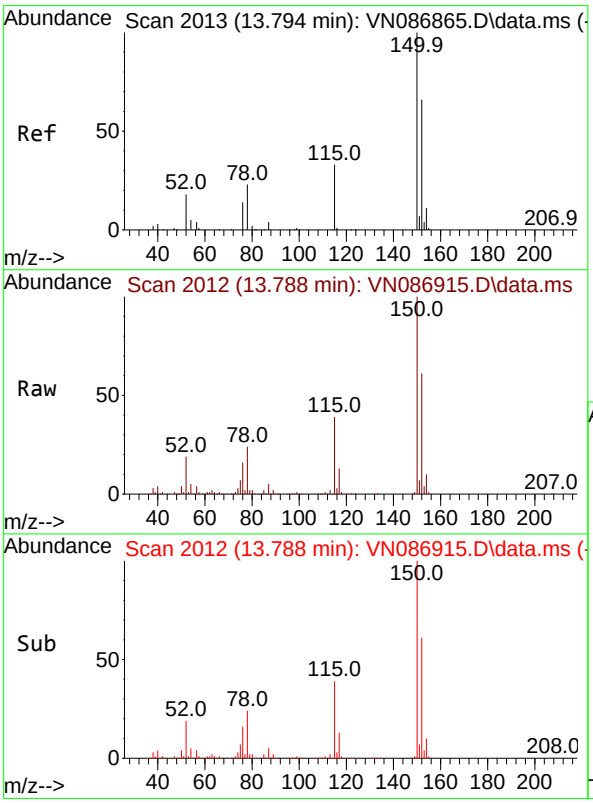
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBL01

Tgt Ion:117 Resp: 386425

Ion	Ratio	Lower	Upper
117	100		
82	54.2	44.6	67.0
119	31.7	25.5	38.3

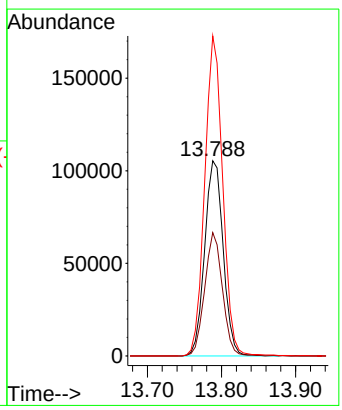




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086915.D
Acq: 10 Jun 2025 10:09

Tgt Ion:152 Resp: 183380

Ion	Ratio	Lower	Upper
152	100		
115	60.4	30.1	90.5
150	158.5	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Time: Jun 12 01:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

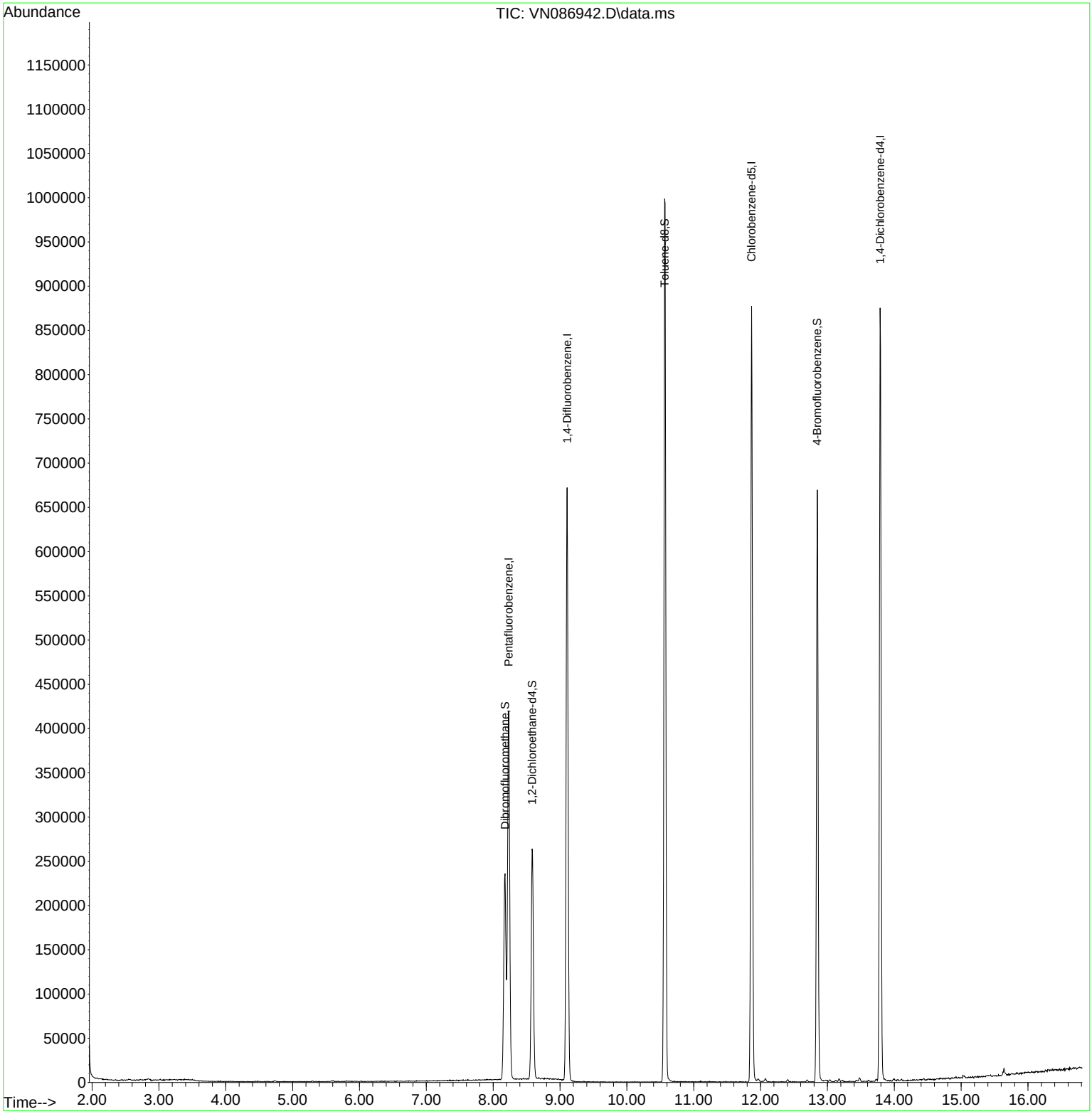
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	328120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	618651	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	543433	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	257257	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	212062	48.271	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.540%			
35) Dibromofluoromethane	8.177	113	180701	49.287	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	10.565	98	749967	51.673	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.340%			
62) 4-Bromofluorobenzene	12.847	95	266545	49.431	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.860%			
Target Compounds						Qvalue

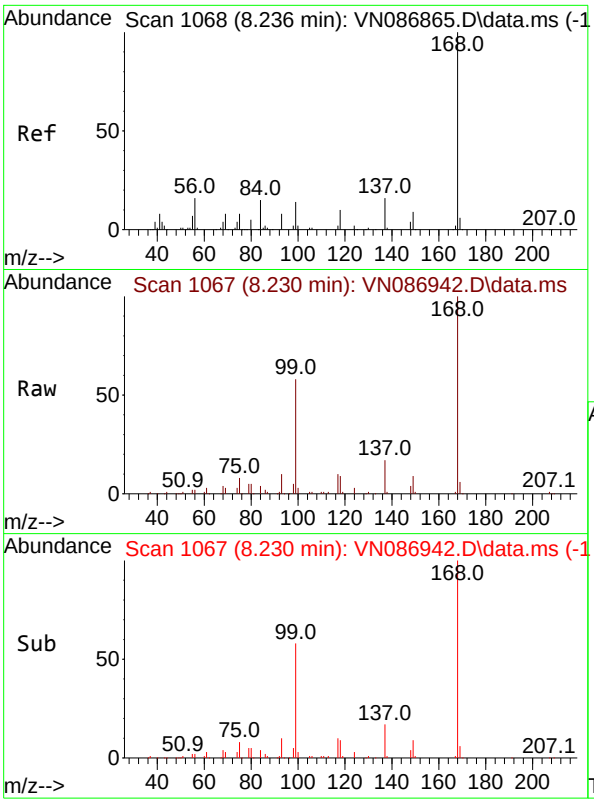
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086942.D
Acq On : 11 Jun 2025 12:28
Operator : JC\MD
Sample : VN0611WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Quant Time: Jun 12 01:30:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration



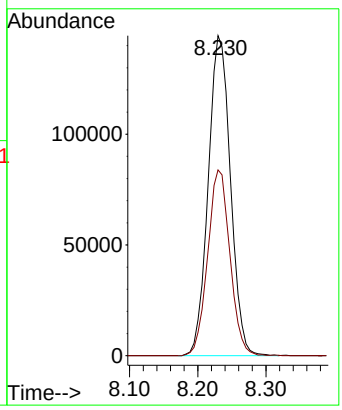


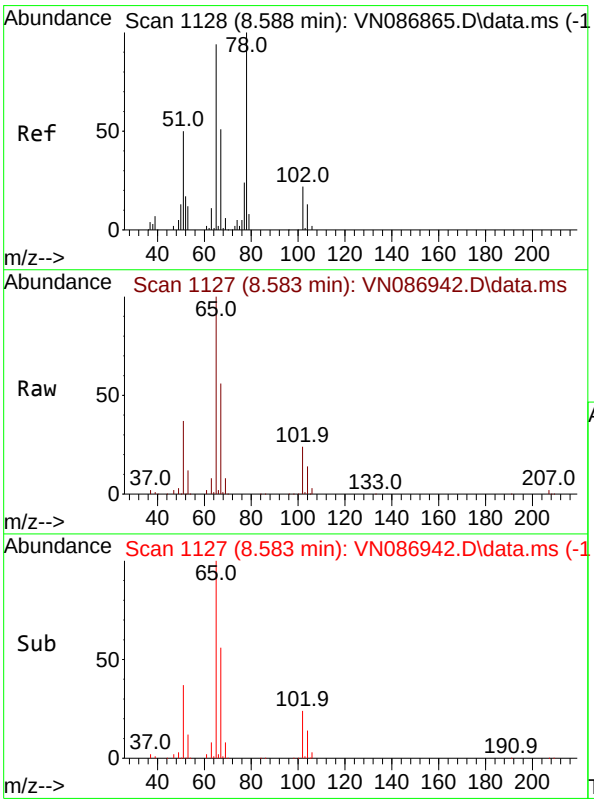
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Tgt Ion:168 Resp: 328120

Ion	Ratio	Lower	Upper
168	100		
99	58.0	49.1	73.7

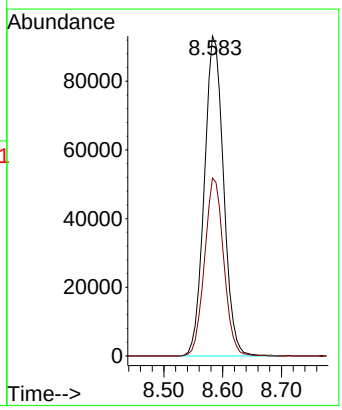


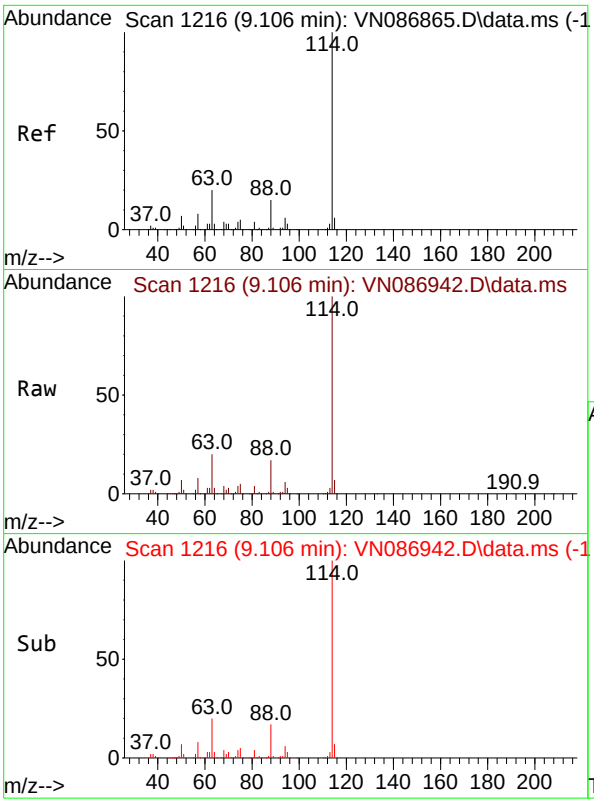


#33
1,2-Dichloroethane-d4
Concen: 48.271 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 65 Resp: 212062

Ion	Ratio	Lower	Upper
65	100		
67	55.4	0.0	105.6



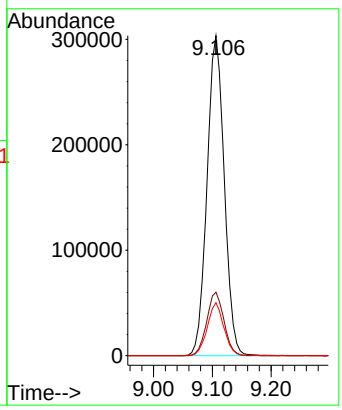


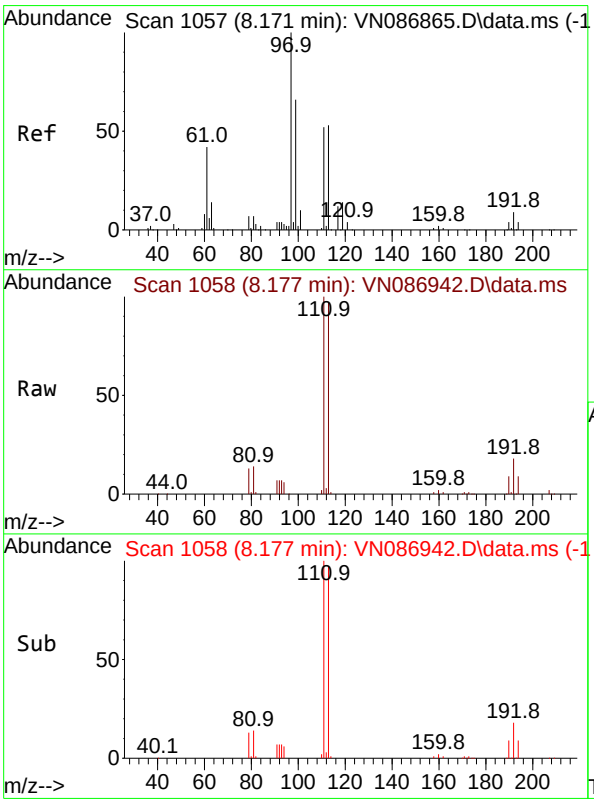
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Tgt Ion:114 Resp: 618651

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	39.6
88	16.5	0.0	30.2

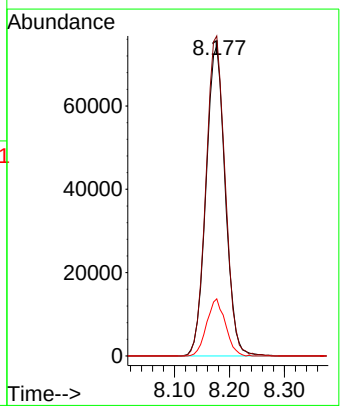


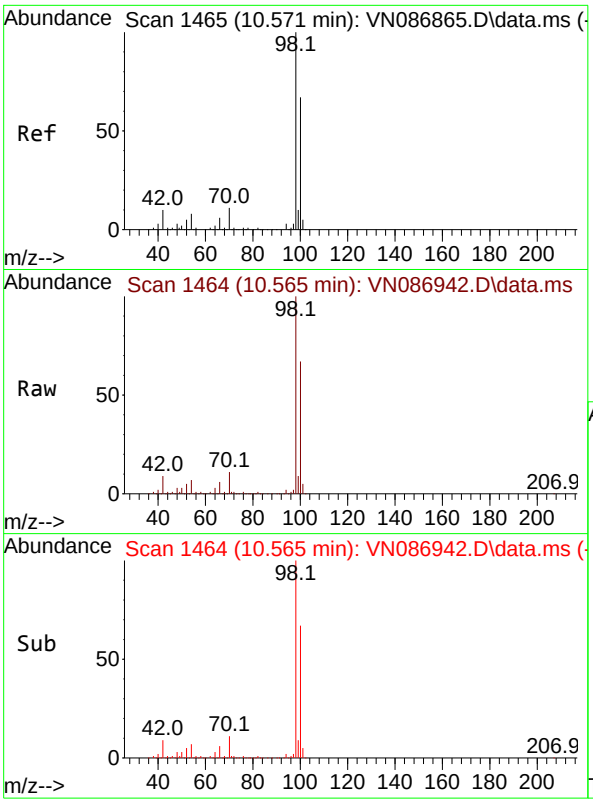


#35
Dibromofluoromethane
Concen: 49.287 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion:113 Resp: 180701

Ion	Ratio	Lower	Upper
113	100		
111	103.1	84.2	126.2
192	18.0	14.2	21.4



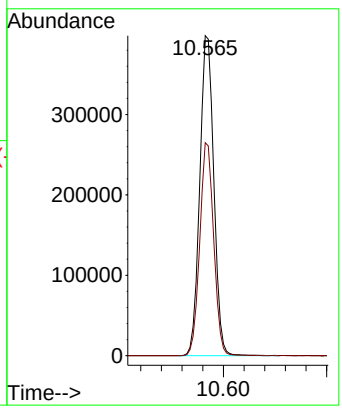


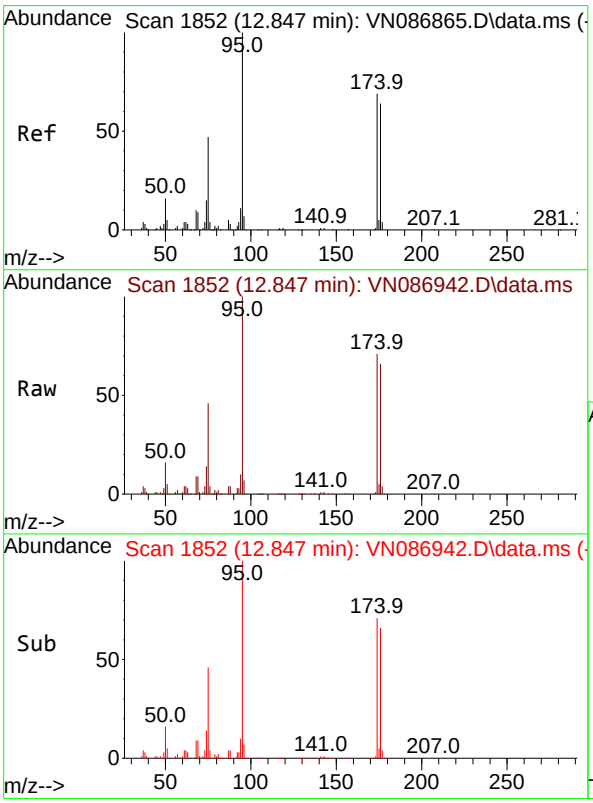
#50
Toluene-d8
Concen: 51.673 ug/l
RT: 10.565 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Tgt Ion: 98 Resp: 749967

Ion	Ratio	Lower	Upper
98	100		
100	66.0	53.4	80.0

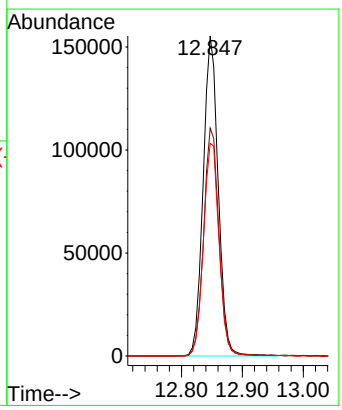


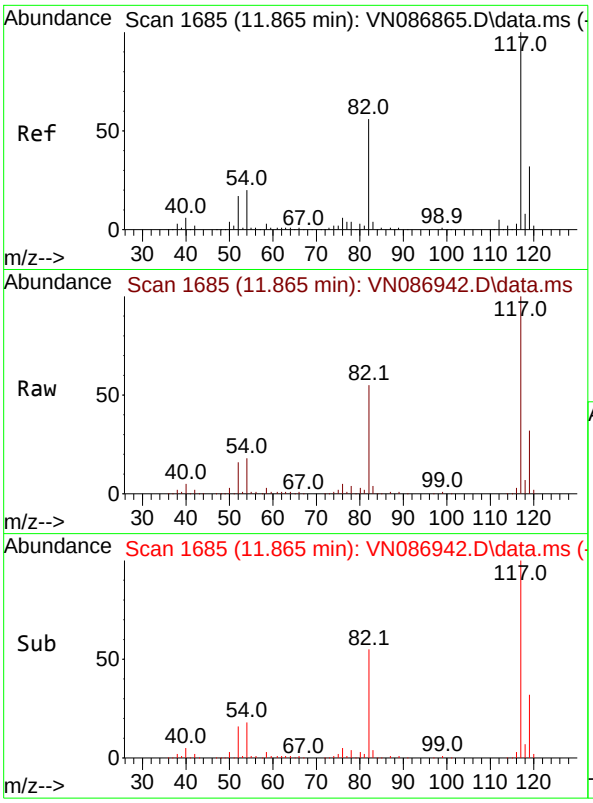


#62
4-Bromofluorobenzene
Concen: 49.431 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion: 95 Resp: 266545

Ion	Ratio	Lower	Upper
95	100		
174	72.3	0.0	141.8
176	68.8	0.0	132.6



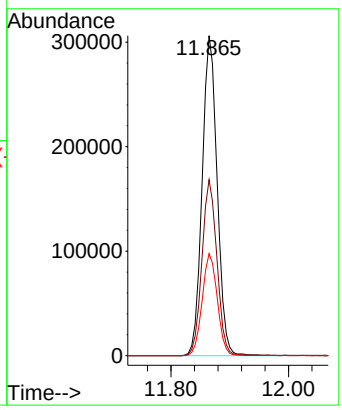


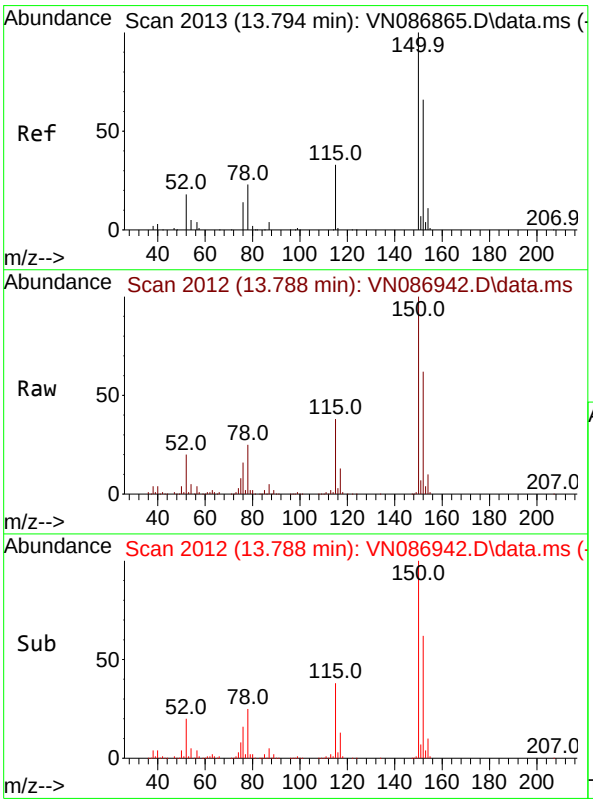
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBL01

Tgt Ion:117 Resp: 543433

Ion	Ratio	Lower	Upper
117	100		
82	55.0	44.6	67.0
119	31.9	25.5	38.3

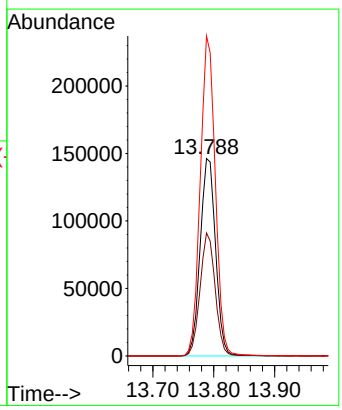




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. -0.006 min
Lab File: VN086942.D
Acq: 11 Jun 2025 12:28

Tgt Ion:152 Resp: 257257

Ion	Ratio	Lower	Upper
152	100		
115	61.2	30.1	90.5
150	157.9	0.0	345.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	249843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	443174	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	389297	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	189620	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	151805	45.381	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 90.760%			
35) Dibromofluoromethane	8.177	113	129937	49.474	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.940%			
50) Toluene-d8	10.571	98	505508	48.620	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.240%			
62) 4-Bromofluorobenzene	12.847	95	186676	48.327	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 96.660%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	47416	19.034	ug/l	98
3) Chloromethane	2.401	50	51246	15.931	ug/l	100
4) Vinyl Chloride	2.553	62	59638	17.973	ug/l	98
5) Bromomethane	3.000	94	36539	19.677	ug/l	96
6) Chloroethane	3.159	64	39443	18.402	ug/l	96
7) Trichlorofluoromethane	3.530	101	79526	18.343	ug/l	97
8) Diethyl Ether	3.983	74	35508	18.798	ug/l	95
9) 1,1,2-Trichlorotrifluo...	4.400	101	49596	18.208	ug/l	99
10) Methyl Iodide	4.612	142	51915	14.703	ug/l	95
11) Tert butyl alcohol	5.530	59	74605	82.194	ug/l	99
12) 1,1-Dichloroethene	4.365	96	52125	18.744	ug/l	90
13) Acrolein	4.200	56	22542	78.459	ug/l	98
14) Allyl chloride	5.047	41	78157	16.947	ug/l	97
15) Acrylonitrile	5.741	53	189727	89.429	ug/l	99
16) Acetone	4.447	43	142458	80.306	ug/l	97
17) Carbon Disulfide	4.736	76	131873	17.144	ug/l	100
18) Methyl Acetate	5.047	43	88551	17.129	ug/l	97
19) Methyl tert-butyl Ether	5.812	73	187833	18.655	ug/l	99
20) Methylene Chloride	5.300	84	57671	17.365	ug/l	95
21) trans-1,2-Dichloroethene	5.812	96	55486	17.934	ug/l	96
22) Diisopropyl ether	6.688	45	176809	18.188	ug/l	96
23) Vinyl Acetate	6.618	43	744861	90.687	ug/l	98
24) 1,1-Dichloroethane	6.583	63	101669	18.173	ug/l	98
25) 2-Butanone	7.494	43	242187	83.991	ug/l	95
26) 2,2-Dichloropropane	7.500	77	89631	20.596	ug/l	100
27) cis-1,2-Dichloroethene	7.494	96	69159	18.691	ug/l	99
28) Bromochloromethane	7.824	49	45748	16.632	ug/l	93
29) Tetrahydrofuran	7.847	42	160591	85.494	ug/l	97
30) Chloroform	7.977	83	101594	18.184	ug/l	97
31) Cyclohexane	8.265	56	89487	16.494	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	85981	18.094	ug/l	98
36) 1,1-Dichloropropene	8.382	75	74129	18.942	ug/l	100
37) Ethyl Acetate	7.571	43	88740	17.812	ug/l	99
38) Carbon Tetrachloride	8.371	117	72144	18.777	ug/l	97
39) Methylcyclohexane	9.606	83	85476	15.942	ug/l	96
40) Benzene	8.612	78	236213	18.458	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	48124	17.200	ug/l		93
42) 1,2-Dichloroethane	8.677	62	72690	18.727	ug/l		99
43) Isopropyl Acetate	8.694	43	144037	18.014	ug/l		97
44) Trichloroethene	9.353	130	58449	19.262	ug/l		97
45) 1,2-Dichloropropane	9.624	63	58046	18.644	ug/l		97
46) Dibromomethane	9.712	93	39229	18.970	ug/l		98
47) Bromodichloromethane	9.888	83	80034	18.810	ug/l		99
48) Methyl methacrylate	9.682	41	64650	17.567	ug/l		96
49) 1,4-Dioxane	9.700	88	23656	353.325	ug/l	#	98
51) 4-Methyl-2-Pentanone	10.447	43	440301	91.469	ug/l		98
52) Toluene	10.629	92	148340	18.967	ug/l		97
53) t-1,3-Dichloropropene	10.835	75	93038	19.555	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	98066	19.264	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	58629	19.483	ug/l		99
56) Ethyl methacrylate	10.882	69	93272	19.460	ug/l		96
57) 1,3-Dichloropropane	11.165	76	99132	18.990	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.159	63	251485	87.967	ug/l		98
59) 2-Hexanone	11.206	43	271013	87.405	ug/l		91
60) Dibromochloromethane	11.359	129	61081	19.481	ug/l		99
61) 1,2-Dibromoethane	11.470	107	58347	18.916	ug/l		100
64) Tetrachloroethene	11.106	164	44151	17.920	ug/l		94
65) Chlorobenzene	11.888	112	162051	18.874	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	52766	19.118	ug/l		99
67) Ethyl Benzene	11.965	91	270410	18.284	ug/l		98
68) m/p-Xylenes	12.070	106	213409	37.696	ug/l		96
69) o-Xylene	12.400	106	102597	18.922	ug/l		98
70) Styrene	12.412	104	176358	19.008	ug/l		99
71) Bromoform	12.576	173	41058	20.077	ug/l	#	98
73) Isopropylbenzene	12.694	105	249411	18.055	ug/l		100
74) N-amyl acetate	12.529	43	98634m	20.433	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.941	83	90657	19.372	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	77098m	17.105	ug/l		
77) Bromobenzene	12.976	156	61956	19.557	ug/l		97
78) n-propylbenzene	13.035	91	298896	17.805	ug/l		100
79) 2-Chlorotoluene	13.123	91	183491	18.226	ug/l		96
80) 1,3,5-Trimethylbenzene	13.170	105	201924	17.705	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.735	75	39145	19.992	ug/l		91
82) 4-Chlorotoluene	13.217	91	188207	18.476	ug/l		99
83) tert-Butylbenzene	13.435	119	186449	17.859	ug/l		97
84) 1,2,4-Trimethylbenzene	13.482	105	206670	18.071	ug/l		100
85) sec-Butylbenzene	13.612	105	255364	16.843	ug/l		99
86) p-Isopropyltoluene	13.729	119	212141	16.927	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	117325	18.823	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	118648	18.671	ug/l		99
89) n-Butylbenzene	14.053	91	197259	16.250	ug/l		99
90) Hexachloroethane	14.329	117	36492	17.178	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	112799	18.837	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	20803	18.587	ug/l		99
93) 1,2,4-Trichlorobenzene	15.388	180	64838	16.956	ug/l		100
94) Hexachlorobutadiene	15.500	225	20732	14.552	ug/l		98
95) Naphthalene	15.635	128	257750	18.109	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	59536	15.670	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

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

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

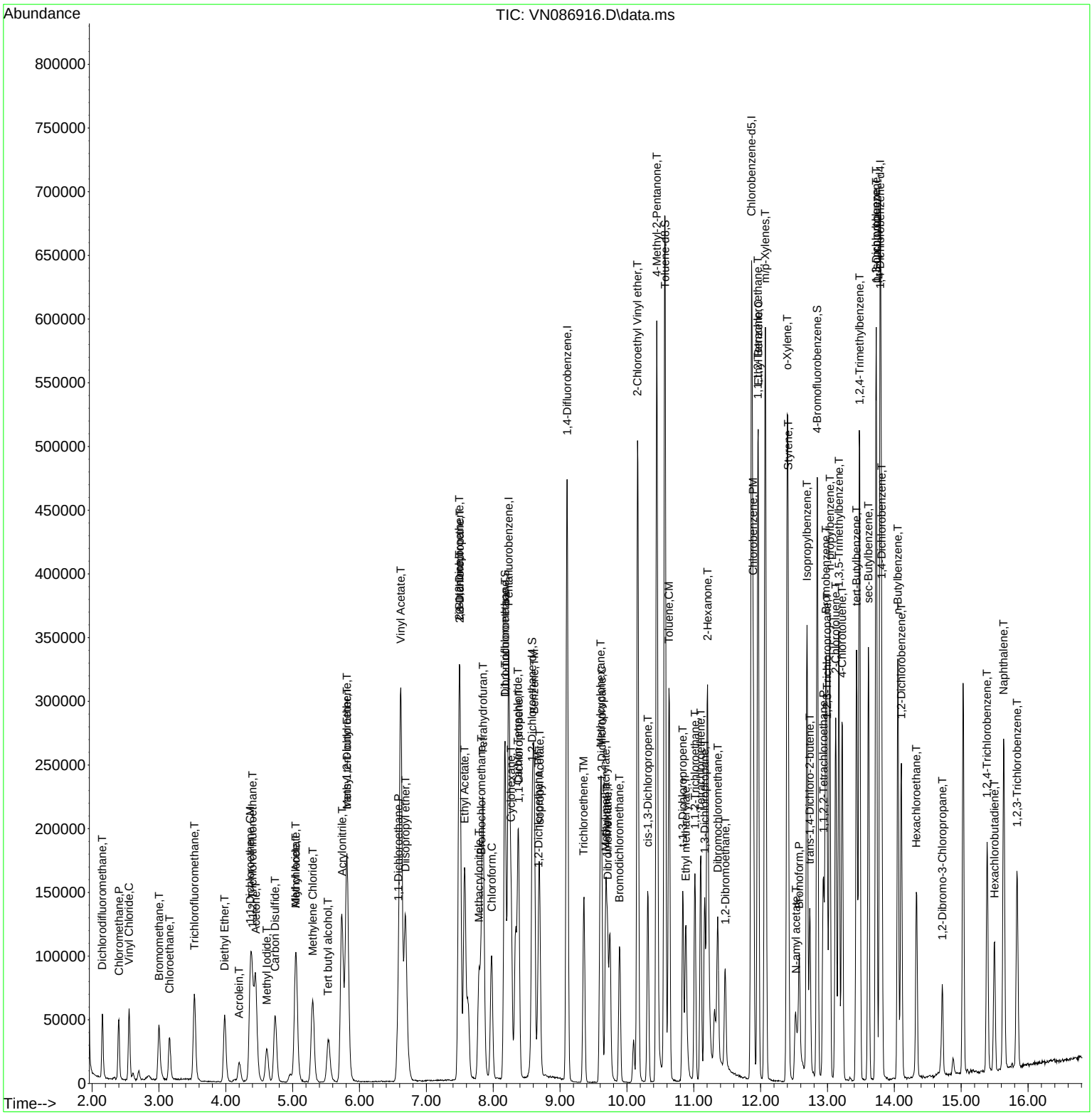
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086916.D
Acq On : 10 Jun 2025 10:30
Operator : JC\MD
Sample : VN0610WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 11 01:48:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0610WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.235	168	206799	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	370524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	321188	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	157403	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	130342	47.075	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 94.160%			
35) Dibromofluoromethane	8.177	113	112198	51.096	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.200%			
50) Toluene-d8	10.571	98	423380	48.706	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 97.420%			
62) 4-Bromofluorobenzene	12.847	95	161321	49.951	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.900%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.153	85	40672	19.725	ug/l	100
3) Chloromethane	2.401	50	42812	16.079	ug/l	97
4) Vinyl Chloride	2.553	62	51780	18.852	ug/l	95
5) Bromomethane	3.000	94	25577	16.641	ug/l	90
6) Chloroethane	3.153	64	34500	19.446	ug/l	99
7) Trichlorofluoromethane	3.530	101	68752	19.159	ug/l	99
8) Diethyl Ether	3.983	74	30914	19.772	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.400	101	44117	19.568	ug/l	99
10) Methyl Iodide	4.612	142	36924	12.634	ug/l	100
11) Tert butyl alcohol	5.541	59	69743	92.831	ug/l	99
12) 1,1-Dichloroethene	4.365	96	44269	19.233	ug/l	97
13) Acrolein	4.206	56	22290	93.730	ug/l	98
14) Allyl chloride	5.047	41	68027	17.821	ug/l	97
15) Acrylonitrile	5.741	53	166971	95.084	ug/l	100
16) Acetone	4.447	43	145322	98.972	ug/l	98
17) Carbon Disulfide	4.742	76	113132	17.769	ug/l	100
18) Methyl Acetate	5.047	43	81357	19.013	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	163338	19.599	ug/l	98
20) Methylene Chloride	5.294	84	52196	18.988	ug/l	96
21) trans-1,2-Dichloroethene	5.812	96	47284	18.464	ug/l	95
22) Diisopropyl ether	6.688	45	155508	19.326	ug/l	97
23) Vinyl Acetate	6.618	43	653278	96.092	ug/l	98
24) 1,1-Dichloroethane	6.588	63	89930	19.421	ug/l	100
25) 2-Butanone	7.494	43	215760	90.401	ug/l	96
26) 2,2-Dichloropropane	7.500	77	78031	21.663	ug/l	98
27) cis-1,2-Dichloroethene	7.500	96	59578	19.453	ug/l	99
28) Bromochloromethane	7.824	49	45329	19.909	ug/l	95
29) Tetrahydrofuran	7.853	42	143866	92.532	ug/l	97
30) Chloroform	7.977	83	90272	19.521	ug/l	98
31) Cyclohexane	8.265	56	79050	17.603	ug/l	97
32) 1,1,1-Trichloroethane	8.182	97	74861	19.033	ug/l	97
36) 1,1-Dichloropropene	8.377	75	63577	19.431	ug/l	99
37) Ethyl Acetate	7.571	43	80415	19.306	ug/l	99
38) Carbon Tetrachloride	8.371	117	61747	19.222	ug/l	97
39) Methylcyclohexane	9.606	83	75971	16.947	ug/l	98
40) Benzene	8.612	78	206255	19.277	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	42617	18.218	ug/l		93
42) 1,2-Dichloroethane	8.677	62	63379	19.530	ug/l		98
43) Isopropyl Acetate	8.694	43	126914	18.984	ug/l		98
44) Trichloroethene	9.359	130	50593	19.942	ug/l		99
45) 1,2-Dichloropropane	9.624	63	51091	19.628	ug/l		95
46) Dibromomethane	9.712	93	34741	20.093	ug/l		99
47) Bromodichloromethane	9.894	83	69845	19.634	ug/l		98
48) Methyl methacrylate	9.682	41	57757	18.771	ug/l		99
49) 1,4-Dioxane	9.706	88	22914	409.347	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.447	43	394396	97.997	ug/l		99
52) Toluene	10.629	92	127563	19.509	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	79224	19.917	ug/l		100
54) cis-1,3-Dichloropropene	10.318	75	85586	20.109	ug/l		99
55) 1,1,2-Trichloroethane	11.018	97	51421	20.438	ug/l		94
56) Ethyl methacrylate	10.882	69	80942	20.198	ug/l		94
57) 1,3-Dichloropropane	11.165	76	85602	19.613	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.165	63	243584	101.910	ug/l		99
59) 2-Hexanone	11.206	43	231264	89.210	ug/l		95
60) Dibromochloromethane	11.359	129	53655	20.468	ug/l		99
61) 1,2-Dibromoethane	11.471	107	50832	19.711	ug/l		99
64) Tetrachloroethene	11.106	164	38926	19.150	ug/l		98
65) Chlorobenzene	11.894	112	141721	20.006	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	46404	20.378	ug/l		99
67) Ethyl Benzene	11.965	91	239733	19.647	ug/l		100
68) m/p-Xylenes	12.070	106	185026	39.613	ug/l		99
69) o-Xylene	12.400	106	90240	20.172	ug/l		99
70) Styrene	12.412	104	154149	20.137	ug/l		99
71) Bromoform	12.582	173	35350	20.952	ug/l	#	96
73) Isopropylbenzene	12.694	105	221545	19.320	ug/l		99
74) N-amyl acetate	12.529	43	63289	15.794	ug/l	#	85
75) 1,1,2,2-Tetrachloroethane	12.941	83	81476	20.973	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	71582m	19.132	ug/l		
77) Bromobenzene	12.982	156	55176	20.981	ug/l		98
78) n-propylbenzene	13.035	91	267384	19.187	ug/l		100
79) 2-Chlorotoluene	13.123	91	164813	19.721	ug/l		99
80) 1,3,5-Trimethylbenzene	13.170	105	181773	19.200	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	30121	18.532	ug/l	#	82
82) 4-Chlorotoluene	13.217	91	167991	19.866	ug/l		100
83) tert-Butylbenzene	13.435	119	161593	18.646	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	182431	19.216	ug/l		98
85) sec-Butylbenzene	13.617	105	228907	18.189	ug/l		100
86) p-Isopropyltoluene	13.729	119	192991	18.551	ug/l		99
87) 1,3-Dichlorobenzene	13.735	146	104883	20.271	ug/l		98
88) 1,4-Dichlorobenzene	13.812	146	107750	20.426	ug/l		99
89) n-Butylbenzene	14.053	91	177482	17.613	ug/l		100
90) Hexachloroethane	14.329	117	33456	18.972	ug/l		99
91) 1,2-Dichlorobenzene	14.106	146	99394	19.995	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.717	75	17796	19.155	ug/l		98
93) 1,2,4-Trichlorobenzene	15.394	180	58509	18.433	ug/l		98
94) Hexachlorobutadiene	15.500	225	19592	16.567	ug/l		97
95) Naphthalene	15.635	128	232760	19.700	ug/l		100
96) 1,2,3-Trichlorobenzene	15.841	180	56144	17.802	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025

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

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

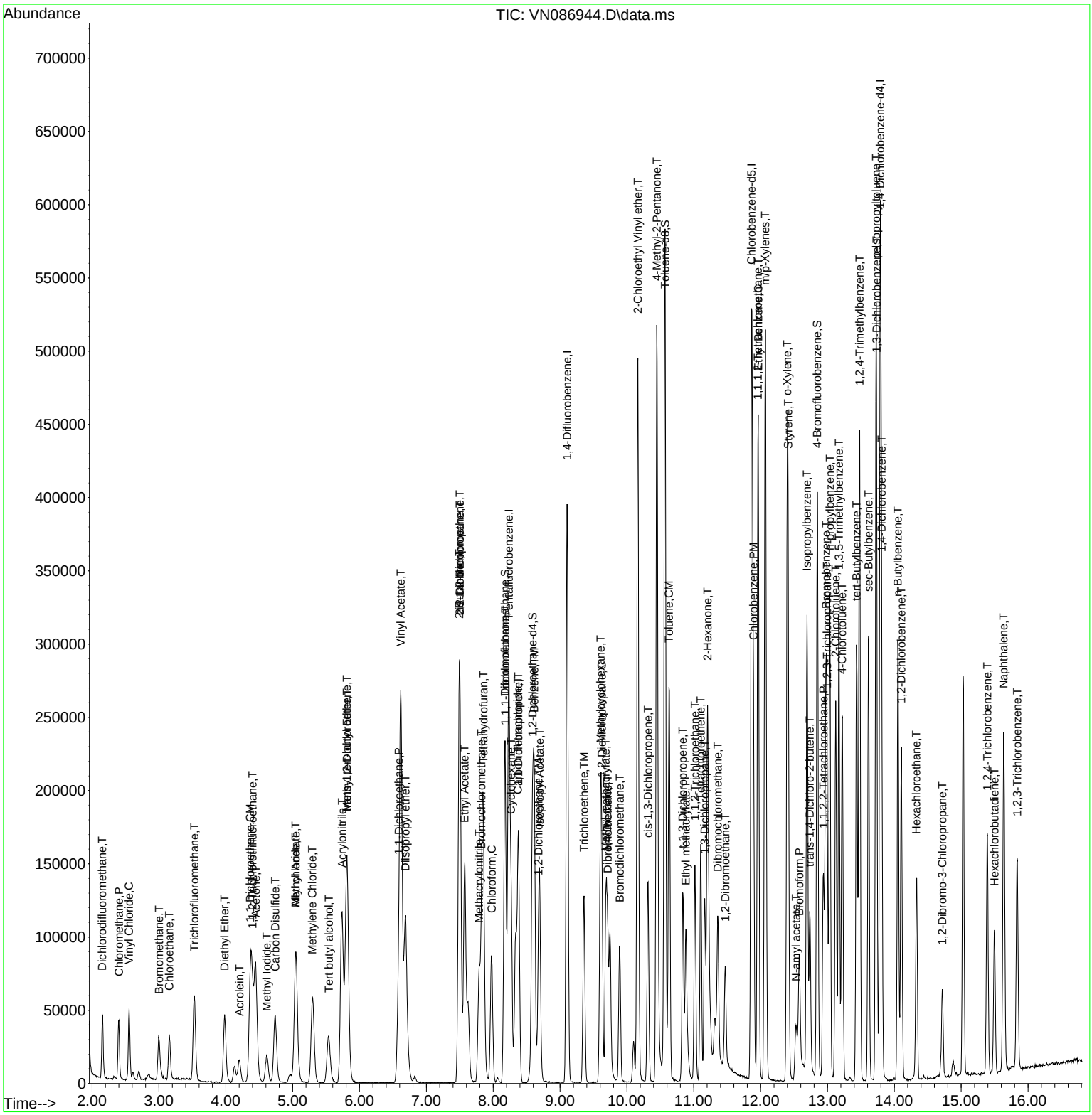
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
Data File : VN086944.D
Acq On : 11 Jun 2025 13:27
Operator : JC\MD
Sample : VN0611WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Jun 12 01:31:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0611WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 06/12/2025
Supervised By :Semsettin Yesilyurt 06/12/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086922.D
Acq On : 10 Jun 2025 12:51
Operator : JC\MD
Sample : Q2250-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 01:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	174378	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	310932	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	270945	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	132628	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	116443	49.874	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.740%			
35) Dibromofluoromethane	8.177	113	96506	52.373	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.740%			
50) Toluene-d8	10.571	98	373191	51.160	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 102.320%			
62) 4-Bromofluorobenzene	12.847	95	138034	50.932	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 101.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	68302	39.284	ug/l	96
3) Chloromethane	2.395	50	80842	36.007	ug/l	100
4) Vinyl Chloride	2.554	62	116824	50.442	ug/l	100
5) Bromomethane	3.001	94	51812	39.977	ug/l	94
6) Chloroethane	3.159	64	58869	39.351	ug/l	100
7) Trichlorofluoromethane	3.530	101	115932	38.313	ug/l	96
8) Diethyl Ether	3.989	74	51551	39.101	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.400	101	367438	193.276	ug/l	99
10) Methyl Iodide	4.618	142	79922	32.430	ug/l	97
11) Tert butyl alcohol	5.530	59	107683	169.980	ug/l	98
12) 1,1-Dichloroethene	4.371	96	92890	47.860	ug/l	93
13) Acrolein	4.200	56	33731	168.212	ug/l	98
14) Allyl chloride	5.047	41	117940	36.641	ug/l	96
15) Acrylonitrile	5.736	53	284483	192.124	ug/l	98
16) Acetone	4.448	43	215008	173.656	ug/l	99
17) Carbon Disulfide	4.742	76	196337	36.571	ug/l	98
18) Methyl Acetate	5.047	43	132769	36.798	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	271783	38.674	ug/l	98
20) Methylene Chloride	5.300	84	87753	37.857	ug/l	96
21) trans-1,2-Dichloroethene	5.806	96	102714	47.566	ug/l	97
22) Diisopropyl ether	6.689	45	255658	37.680	ug/l	99
23) Vinyl Acetate	6.618	43	1062011	185.258	ug/l	99
24) 1,1-Dichloroethane	6.583	63	176376	45.171	ug/l	99
25) 2-Butanone	7.494	43	364801	181.265	ug/l #	80
26) 2,2-Dichloropropane	7.506	77	128482	42.301	ug/l #	1
27) cis-1,2-Dichloroethene	7.500	96	4853647	1879.430	ug/l	90
28) Bromochloromethane	7.824	49	78797	41.044	ug/l	93
29) Tetrahydrofuran	7.847	42	239404	182.609	ug/l	96
30) Chloroform	7.977	83	151067	38.741	ug/l	99
31) Cyclohexane	8.265	56	123047	32.495	ug/l	99
32) 1,1,1-Trichloroethane	8.177	97	123440	37.219	ug/l	98
36) 1,1-Dichloropropene	8.377	75	106081	38.635	ug/l	100
37) Ethyl Acetate	7.571	43	126676	36.242	ug/l #	79
38) Carbon Tetrachloride	8.371	117	102158	37.897	ug/l	96
39) Methylcyclohexane	9.606	83	118983	31.630	ug/l	95
40) Benzene	8.612	78	351060	39.099	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086922.D
Acq On : 10 Jun 2025 12:51
Operator : JC\MD
Sample : Q2250-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 01:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.788	41	70459	35.893	ug/l		94
42) 1,2-Dichloroethane	8.677	62	106970	39.279	ug/l		100
43) Isopropyl Acetate	8.694	43	203030	36.190	ug/l		98
44) Trichloroethene	9.359	130	6264273	2942.351	ug/l		98
45) 1,2-Dichloropropane	9.624	63	84220	38.556	ug/l		99
46) Dibromomethane	9.712	93	58291	40.176	ug/l		99
47) Bromodichloromethane	9.888	83	115490	38.688	ug/l		98
48) Methyl methacrylate	9.682	41	95039	36.807	ug/l		97
49) 1,4-Dioxane	9.700	88	37276	793.544	ug/l	#	94
51) 4-Methyl-2-Pentanone	10.447	43	627690	185.856	ug/l		97
52) Toluene	10.629	92	211099	38.472	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	134072	40.165	ug/l		98
54) cis-1,3-Dichloropropene	10.312	75	141166	39.524	ug/l		98
55) 1,1,2-Trichloroethane	11.018	97	84553	40.047	ug/l		98
56) Ethyl methacrylate	10.882	69	138783	41.269	ug/l		95
57) 1,3-Dichloropropane	11.165	76	142808	38.991	ug/l		98
59) 2-Hexanone	11.200	43	410712	188.796	ug/l		94
60) Dibromochloromethane	11.359	129	88571	40.264	ug/l		98
61) 1,2-Dibromoethane	11.471	107	85449	39.485	ug/l		98
64) Tetrachloroethene	11.106	164	97793	57.032	ug/l		97
65) Chlorobenzene	11.894	112	236181	39.523	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.959	131	74715	38.896	ug/l		99
67) Ethyl Benzene	11.965	91	387237	37.621	ug/l		99
68) m/p-Xylenes	12.071	106	305789	77.607	ug/l		97
69) o-Xylene	12.394	106	147363	39.050	ug/l		98
70) Styrene	12.412	104	254157	39.358	ug/l		100
71) Bromoform	12.576	173	59843	42.046	ug/l	#	100
73) Isopropylbenzene	12.694	105	356009	36.846	ug/l		100
74) N-amyl acetate	12.512	43	142895m	42.322	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.935	83	131015	40.025	ug/l		100
76) 1,2,3-Trichloropropane	12.994	75	111129m	35.250	ug/l		
77) Bromobenzene	12.982	156	89530	40.405	ug/l		98
78) n-propylbenzene	13.035	91	421170	35.869	ug/l		99
79) 2-Chlorotoluene	13.123	91	262472	37.274	ug/l		97
80) 1,3,5-Trimethylbenzene	13.170	105	287840	36.083	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	56257	41.077	ug/l		97
82) 4-Chlorotoluene	13.218	91	272044	38.181	ug/l		100
83) tert-Butylbenzene	13.435	119	247652	33.915	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	294041	36.759	ug/l		100
85) sec-Butylbenzene	13.612	105	353284	33.315	ug/l		100
86) p-Isopropyltoluene	13.723	119	297463	33.934	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	165194	37.892	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	172677	38.850	ug/l		99
89) n-Butylbenzene	14.053	91	270209	31.824	ug/l		100
90) Hexachloroethane	14.329	117	52840	35.562	ug/l		96
91) 1,2-Dichlorobenzene	14.106	146	161871	38.647	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.717	75	28266	36.108	ug/l		96
93) 1,2,4-Trichlorobenzene	15.388	180	89607	33.503	ug/l		99
94) Hexachlorobutadiene	15.494	225	26250	26.343	ug/l		99
95) Naphthalene	15.635	128	365200	36.684	ug/l		99
96) 1,2,3-Trichlorobenzene	15.835	180	85176	32.053	ug/l		99

Sample Results: **VN086922.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086922.D
Acq On : 10 Jun 2025 12:51
Operator : JC\MD
Sample : Q2250-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 01:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

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

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

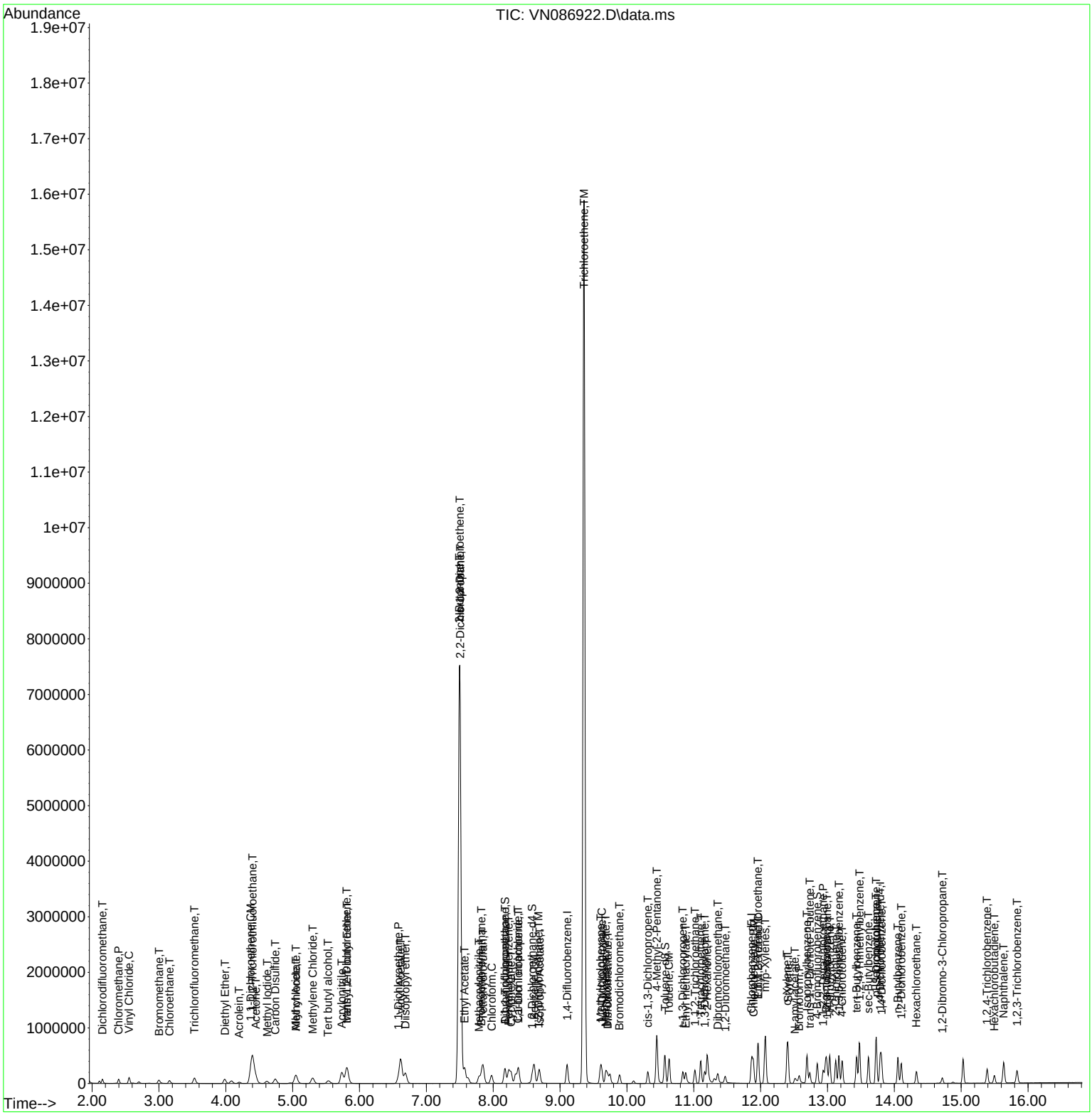
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086922.D
Acq On : 10 Jun 2025 12:51
Operator : JC\MD
Sample : Q2250-02MS
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Quant Time: Jun 11 01:52:35 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MS

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086923.D
Acq On : 10 Jun 2025 13:12
Operator : JC\MD
Sample : Q2250-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 01:53:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.230	168	172955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	309901	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	266637	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	129873	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	121937	52.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.320%			
35) Dibromofluoromethane	8.177	113	103950	56.601	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 113.200%			
50) Toluene-d8	10.565	98	398352	54.791	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 109.580%			
62) 4-Bromofluorobenzene	12.847	95	149297	55.271	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.540%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.154	85	73929	42.871	ug/l	99
3) Chloromethane	2.395	50	84867	38.111	ug/l	97
4) Vinyl Chloride	2.554	62	131440	57.220	ug/l	98
5) Bromomethane	3.001	94	58237	45.304	ug/l	96
6) Chloroethane	3.159	64	65054	43.843	ug/l	99
7) Trichlorofluoromethane	3.530	101	127412	42.453	ug/l	99
8) Diethyl Ether	3.989	74	57896	44.275	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.401	101	438614	232.614	ug/l	99
10) Methyl Iodide	4.618	142	90414	36.989	ug/l	97
11) Tert butyl alcohol	5.536	59	118532	188.644	ug/l	99
12) 1,1-Dichloroethene	4.371	96	102158	53.068	ug/l	93
13) Acrolein	4.195	56	33620	169.038	ug/l	100
14) Allyl chloride	5.053	41	127951	40.078	ug/l	96
15) Acrylonitrile	5.736	53	308878	210.315	ug/l	100
16) Acetone	4.442	43	233959	190.517	ug/l	98
17) Carbon Disulfide	4.742	76	217837	40.910	ug/l	100
18) Methyl Acetate	5.048	43	144814	40.466	ug/l	99
19) Methyl tert-butyl Ether	5.812	73	300398	43.098	ug/l	99
20) Methylene Chloride	5.300	84	95461	41.521	ug/l	96
21) trans-1,2-Dichloroethene	5.812	96	108472	50.646	ug/l	95
22) Diisopropyl ether	6.689	45	277373	41.216	ug/l	97
23) Vinyl Acetate	6.618	43	1159679	203.959	ug/l	100
24) 1,1-Dichloroethane	6.589	63	191588	49.470	ug/l	98
25) 2-Butanone	7.494	43	391789	196.276	ug/l #	80
26) 2,2-Dichloropropane	7.506	77	139381	46.267	ug/l #	1
27) cis-1,2-Dichloroethene	7.500	96	5451059	2128.127	ug/l	90
28) Bromochloromethane	7.824	49	74118	38.924	ug/l	97
29) Tetrahydrofuran	7.847	42	263616	202.731	ug/l	96
30) Chloroform	7.977	83	162638	42.052	ug/l	97
31) Cyclohexane	8.265	56	133904	35.653	ug/l	98
32) 1,1,1-Trichloroethane	8.177	97	136050	41.359	ug/l	99
36) 1,1-Dichloropropene	8.377	75	117527	42.946	ug/l	99
37) Ethyl Acetate	7.571	43	139485	40.039	ug/l #	79
38) Carbon Tetrachloride	8.371	117	113739	42.334	ug/l	97
39) Methylcyclohexane	9.606	83	133181	35.522	ug/l	97
40) Benzene	8.612	78	385021	43.024	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086923.D
Acq On : 10 Jun 2025 13:12
Operator : JC\MD
Sample : Q2250-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 01:53:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.789	41	82542	42.189	ug/l		97
42) 1,2-Dichloroethane	8.677	62	116885	43.063	ug/l		100
43) Isopropyl Acetate	8.694	43	222284	39.754	ug/l		96
44) Trichloroethene	9.359	130	6931651	3266.653	ug/l		99
45) 1,2-Dichloropropane	9.624	63	92441	42.460	ug/l		99
46) Dibromomethane	9.712	93	64838	44.837	ug/l		99
47) Bromodichloromethane	9.888	83	126533	42.528	ug/l		100
48) Methyl methacrylate	9.682	41	101839	39.572	ug/l		95
49) 1,4-Dioxane	9.700	88	40909	873.782	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.447	43	702657	208.746	ug/l		99
52) Toluene	10.630	92	233021	42.608	ug/l		99
53) t-1,3-Dichloropropene	10.835	75	146110	43.917	ug/l		97
54) cis-1,3-Dichloropropene	10.312	75	154243	43.329	ug/l		97
55) 1,1,2-Trichloroethane	11.018	97	93633	44.495	ug/l		99
56) Ethyl methacrylate	10.877	69	153861	45.905	ug/l		95
57) 1,3-Dichloropropane	11.165	76	155775	42.673	ug/l		97
59) 2-Hexanone	11.200	43	455196	209.941	ug/l		95
60) Dibromochloromethane	11.359	129	99583	45.420	ug/l		99
61) 1,2-Dibromoethane	11.471	107	92981	43.108	ug/l		99
64) Tetrachloroethene	11.106	164	111429	66.034	ug/l		95
65) Chlorobenzene	11.894	112	259599	44.144	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.959	131	84686	44.799	ug/l		99
67) Ethyl Benzene	11.965	91	427727	42.226	ug/l		99
68) m/p-Xylenes	12.071	106	333950	86.123	ug/l		98
69) o-Xylene	12.400	106	162838	43.848	ug/l		97
70) Styrene	12.412	104	282053	44.384	ug/l		99
71) Bromoform	12.576	173	65807	46.983	ug/l	#	99
73) Isopropylbenzene	12.694	105	394852	41.733	ug/l		100
74) N-amyl acetate	12.518	43	143729	43.473	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.935	83	144127	44.965	ug/l		99
76) 1,2,3-Trichloropropane	12.994	75	118377m	38.345	ug/l		
77) Bromobenzene	12.976	156	99031	45.640	ug/l		98
78) n-propylbenzene	13.035	91	464253	40.377	ug/l		98
79) 2-Chlorotoluene	13.123	91	289730	42.017	ug/l		98
80) 1,3,5-Trimethylbenzene	13.171	105	321135	41.111	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.735	75	62181	46.366	ug/l		98
82) 4-Chlorotoluene	13.218	91	298311	42.756	ug/l		99
83) tert-Butylbenzene	13.435	119	273596	38.263	ug/l		99
84) 1,2,4-Trimethylbenzene	13.482	105	326290	41.655	ug/l		100
85) sec-Butylbenzene	13.612	105	394374	37.979	ug/l		99
86) p-Isopropyltoluene	13.729	119	332552	38.742	ug/l		99
87) 1,3-Dichlorobenzene	13.729	146	184900	43.312	ug/l		99
88) 1,4-Dichlorobenzene	13.812	146	191420	43.980	ug/l		99
89) n-Butylbenzene	14.053	91	302661	36.403	ug/l		99
90) Hexachloroethane	14.335	117	57752	39.692	ug/l		98
91) 1,2-Dichlorobenzene	14.106	146	177603	43.302	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.717	75	31210	40.715	ug/l		94
93) 1,2,4-Trichlorobenzene	15.388	180	98501	37.609	ug/l		98
94) Hexachlorobutadiene	15.494	225	28911	29.629	ug/l		98
95) Naphthalene	15.635	128	399267	40.957	ug/l		100
96) 1,2,3-Trichlorobenzene	15.835	180	93291	35.852	ug/l		98

Sample Results: **VN086923.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086923.D
Acq On : 10 Jun 2025 13:12
Operator : JC\MD
Sample : Q2250-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 01:53:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025

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

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

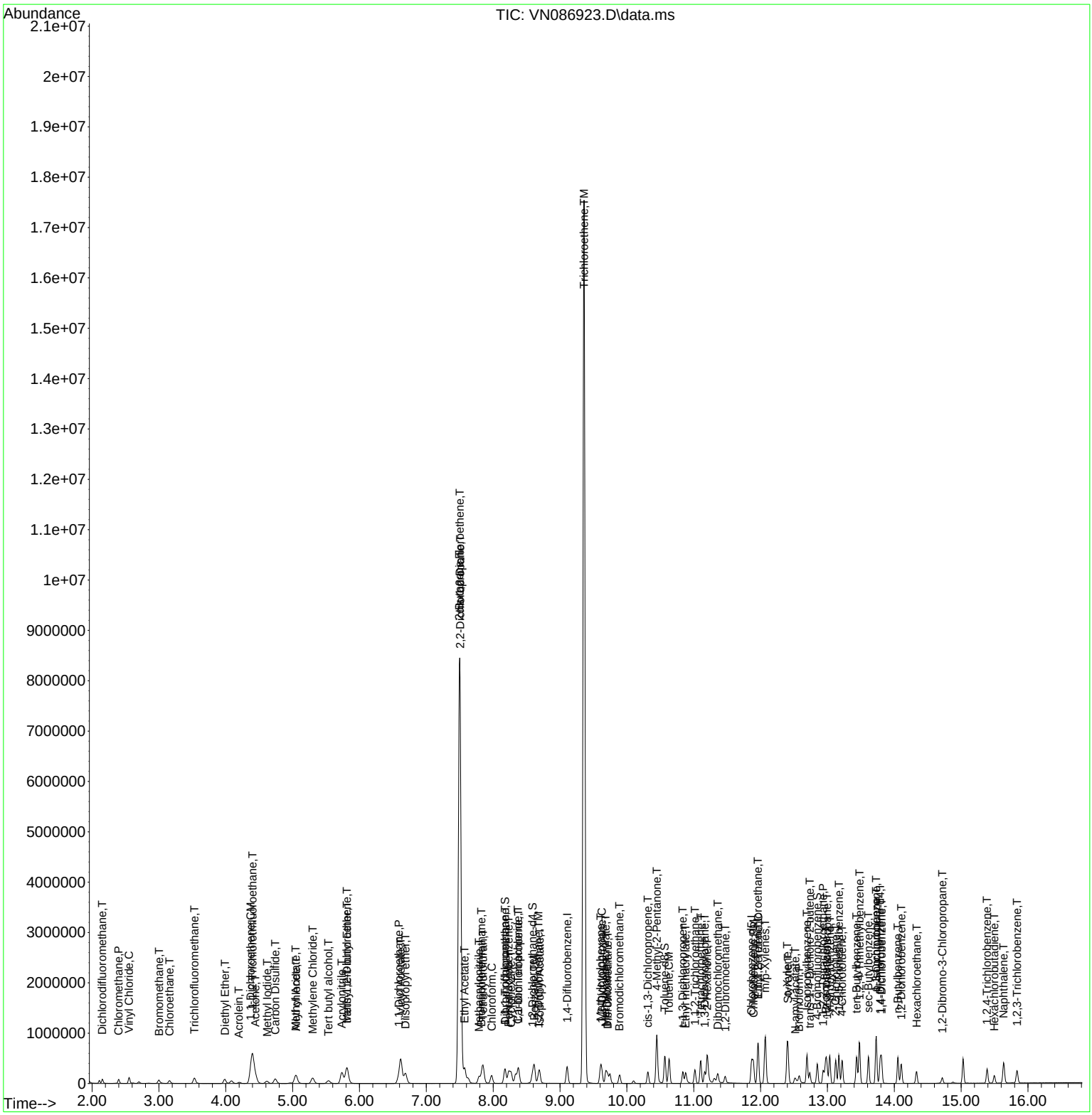
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
Data File : VN086923.D
Acq On : 10 Jun 2025 13:12
Operator : JC\MD
Sample : Q2250-03MSD
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Quant Time: Jun 11 01:53:29 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-11A-13.5-060525MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 06/11/2025
Supervised By :Mahesh Dadoda 06/11/2025



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

Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN086862.D	1,1,2-Trichlorotrifluoroethane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	1,4-Dichlorobenzene	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	2-Hexanone	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC001	VN086862.D	N-amyl acetate	JOHN	6/9/2025 8:02:09 AM	MMDadoda	6/9/2025 1:13:18 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC005	VN086863.D	N-amyl acetate	JOHN	6/9/2025 8:02:13 AM	MMDadoda	6/9/2025 1:13:19 PM	Peak Integrated by Software
VSTDICC020	VN086864.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:19 AM	MMDadoda	6/9/2025 1:13:21 PM	Peak Integrated by Software
VSTDICCC050	VN086865.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:25 AM	MMDadoda	6/9/2025 1:13:23 PM	Peak Integrated by Software
VSTDICC100	VN086866.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:29 AM	MMDadoda	6/9/2025 1:13:28 PM	Peak Integrated by Software
VSTDICC150	VN086867.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:34 AM	MMDadoda	6/9/2025 1:13:30 PM	Peak Integrated by Software
VSTDICV050	VN086869.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:38 AM	MMDadoda	6/9/2025 1:13:34 PM	Peak Integrated by Software
VSTDCCC050	VN086886.D	1,2,3-Trichloropropane	JOHN	6/9/2025 8:02:55 AM	MMDadoda	6/9/2025 1:13:44 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn060625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN061025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086913.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:44 AM	MMDadoda	6/11/2025 11:12:24 AM	Peak Integrated by Software
VSTDCCC050	VN086913.D	trans-1,4-Dichloro-2-but ene	JOHN	6/11/2025 9:51:44 AM	MMDadoda	6/11/2025 11:12:24 AM	Peak Integrated by Software
VN0610WBS01	VN086916.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:48 AM	MMDadoda	6/11/2025 11:12:38 AM	Peak Integrated by Software
VN0610WBS01	VN086916.D	N-amyl acetate	JOHN	6/11/2025 9:51:48 AM	MMDadoda	6/11/2025 11:12:38 AM	Peak Integrated by Software
Q2250-02MS	VN086922.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:51:56 AM	MMDadoda	6/11/2025 11:12:42 AM	Peak Integrated by Software
Q2250-02MS	VN086922.D	N-amyl acetate	JOHN	6/11/2025 9:51:56 AM	MMDadoda	6/11/2025 11:12:42 AM	Peak Integrated by Software
Q2250-03MSD	VN086923.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:52:00 AM	MMDadoda	6/11/2025 11:12:43 AM	Peak Integrated by Software
VSTDCCC050	VN086938.D	1,2,3-Trichloropropane	JOHN	6/11/2025 9:52:32 AM	MMDadoda	6/11/2025 11:12:50 AM	Peak Integrated by Software
VSTDCCC050	VN086938.D	trans-1,4-Dichloro-2-but ene	JOHN	6/11/2025 9:52:32 AM	MMDadoda	6/11/2025 11:12:50 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	vn061125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN086940.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:09 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
VN0611WBS02	VN086944.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:47:21 AM	Sam	6/12/2025 3:54:50 PM	Peak Integrated by Software
VSTDCCC050	VN086965.D	1,2,3-Trichloropropane	JOHN	6/12/2025 9:53:57 AM	Sam	6/12/2025 3:54:56 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086861.D	06 Jun 2025 07:59	JC\MD	Ok
2	VSTDICC001	VN086862.D	06 Jun 2025 12:44	JC\MD	Ok,M
3	VSTDICC005	VN086863.D	06 Jun 2025 13:17	JC\MD	Ok,M
4	VSTDICC020	VN086864.D	06 Jun 2025 13:40	JC\MD	Ok,M
5	VSTDICCC050	VN086865.D	06 Jun 2025 14:03	JC\MD	Ok,M
6	VSTDICC100	VN086866.D	06 Jun 2025 14:26	JC\MD	Ok,M
7	VSTDICC150	VN086867.D	06 Jun 2025 14:49	JC\MD	Ok,M
8	IBLK	VN086868.D	06 Jun 2025 15:12	JC\MD	Ok
9	VSTDICV050	VN086869.D	06 Jun 2025 15:54	JC\MD	Ok,M
10	VN0606WBL01	VN086870.D	06 Jun 2025 16:47	JC\MD	Ok
11	VN0606WBL02	VN086871.D	06 Jun 2025 17:10	JC\MD	Ok
12	VN0606WBS01	VN086872.D	06 Jun 2025 17:33	JC\MD	Ok,M
13	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56	JC\MD	Ok,M
14	Q2254-01	VN086874.D	06 Jun 2025 18:19	JC\MD	Not Ok
15	Q2237-02	VN086875.D	06 Jun 2025 18:42	JC\MD	Ok
16	Q2216-02	VN086876.D	06 Jun 2025 19:05	JC\MD	Ok
17	Q2216-03	VN086877.D	06 Jun 2025 19:28	JC\MD	Ok
18	Q2216-04	VN086878.D	06 Jun 2025 19:51	JC\MD	Ok
19	Q2216-05	VN086879.D	06 Jun 2025 20:13	JC\MD	Not Ok
20	Q2216-06	VN086880.D	06 Jun 2025 20:36	JC\MD	Not Ok
21	Q2206-04	VN086881.D	06 Jun 2025 20:59	JC\MD	Not Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2242-04	VN086882.D	06 Jun 2025 21:21	JC\MD	Not Ok
23	Q2192-01	VN086883.D	06 Jun 2025 21:44	JC\MD	Not Ok
24	Q2198-02	VN086884.D	06 Jun 2025 22:07	JC\MD	Not Ok
25	Q2198-04	VN086885.D	06 Jun 2025 22:29	JC\MD	Not Ok
26	VSTDCCC050	VN086886.D	06 Jun 2025 22:52	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/11/2025 11:14:28 AM		
SubDirectory	VN061025	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134203
Initial Calibration Stds	
CCC	VP134204,VP134205
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086912.D	10 Jun 2025 08:39	JC\MD	Ok
2	VSTDCCC050	VN086913.D	10 Jun 2025 09:13	JC\MD	Ok,M
3	VN0610MBL01	VN086914.D	10 Jun 2025 09:47	JC\MD	Ok
4	VN0610WBL01	VN086915.D	10 Jun 2025 10:09	JC\MD	Ok
5	VN0610WBS01	VN086916.D	10 Jun 2025 10:30	JC\MD	Ok,M
6	VN0610WBSD01	VN086917.D	10 Jun 2025 11:04	JC\MD	Ok,M
7	IBLK	VN086918.D	10 Jun 2025 11:25	JC\MD	Ok
8	Q2250-05	VN086919.D	10 Jun 2025 11:47	JC\MD	Ok
9	Q2250-06	VN086920.D	10 Jun 2025 12:08	JC\MD	Ok
10	Q2250-01	VN086921.D	10 Jun 2025 12:30	JC\MD	Dilution
11	Q2250-02MS	VN086922.D	10 Jun 2025 12:51	JC\MD	Ok,M
12	Q2250-03MSD	VN086923.D	10 Jun 2025 13:12	JC\MD	Ok,M
13	IBLK	VN086924.D	10 Jun 2025 13:34	JC\MD	Ok
14	Q2251-01	VN086925.D	10 Jun 2025 13:55	JC\MD	Not Ok
15	Q2251-06	VN086926.D	10 Jun 2025 14:17	JC\MD	Not Ok
16	Q2251-05	VN086927.D	10 Jun 2025 14:38	JC\MD	ReRun
17	Q2251-02	VN086928.D	10 Jun 2025 15:00	JC\MD	Ok
18	Q2251-03	VN086929.D	10 Jun 2025 15:22	JC\MD	Ok
19	IBLK	VN086930.D	10 Jun 2025 15:43	JC\MD	Ok
20	IBLK	VN086931.D	10 Jun 2025 16:05	JC\MD	Ok
21	Q2251-01	VN086932.D	10 Jun 2025 16:26	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/11/2025 11:14:28 AM		
SubDirectory	VN061025	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134203
Initial Calibration Stds	
CCC	VP134204,VP134205
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2251-05	VN086933.D	10 Jun 2025 16:48	JC\MD	Ok
23	Q2202-01	VN086934.D	10 Jun 2025 17:09	JC\MD	Ok
24	Q2202-02	VN086935.D	10 Jun 2025 17:31	JC\MD	Ok
25	Q2202-03	VN086936.D	10 Jun 2025 17:52	JC\MD	Dilution
26	Q2279-01	VN086937.D	10 Jun 2025 18:14	JC\MD	Ok
27	VSTDCCC050	VN086938.D	10 Jun 2025 18:57	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM		
SubDirectory	VN061125	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134284
Initial Calibration Stds	
CCC	VP134285,VP134286
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN086939.D	11 Jun 2025 10:22	JC\MD	Ok
2	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	JC\MD	Ok,M
3	VN0611MBL01	VN086941.D	11 Jun 2025 12:06	JC\MD	Ok
4	VN0611WBL01	VN086942.D	11 Jun 2025 12:28	JC\MD	Ok
5	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	JC\MD	Not Ok
6	VN0611WBS02	VN086944.D	11 Jun 2025 13:27	JC\MD	Ok,M
7	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01	JC\MD	Ok,M
8	Q2251-06	VN086946.D	11 Jun 2025 14:22	JC\MD	Ok
9	Q2202-03DL	VN086947.D	11 Jun 2025 14:44	JC\MD	Ok,M
10	Q2250-01DL	VN086948.D	11 Jun 2025 15:06	JC\MD	Ok
11	Q2202-06	VN086949.D	11 Jun 2025 15:28	JC\MD	Ok
12	Q2189-01	VN086950.D	11 Jun 2025 15:50	JC\MD	Ok
13	Q2202-05	VN086951.D	11 Jun 2025 16:12	JC\MD	Ok
14	Q2202-04	VN086952.D	11 Jun 2025 16:35	JC\MD	Ok
15	Q2231-01	VN086953.D	11 Jun 2025 16:57	JC\MD	Ok
16	Q2231-02	VN086954.D	11 Jun 2025 17:19	JC\MD	Ok,M
17	Q2231-03	VN086955.D	11 Jun 2025 17:41	JC\MD	Ok
18	Q2231-04	VN086956.D	11 Jun 2025 18:04	JC\MD	Ok
19	Q2231-05	VN086957.D	11 Jun 2025 18:26	JC\MD	Ok
20	Q2231-06	VN086958.D	11 Jun 2025 18:48	JC\MD	Ok
21	Q2210-01	VN086959.D	11 Jun 2025 19:10	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM		
SubDirectory	VN061125	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134284
Initial Calibration Stds	
CCC	VP134285,VP134286
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2209-01	VN086960.D	11 Jun 2025 19:33	JC\MD	Ok
23	IBLK	VN086961.D	11 Jun 2025 19:55	JC\MD	Ok
24	IBLK	VN086962.D	11 Jun 2025 20:17	JC\MD	Ok
25	Q2263-01	VN086963.D	11 Jun 2025 20:39	JC\MD	Ok
26	Q2263-02	VN086964.D	11 Jun 2025 21:01	JC\MD	Ok
27	VSTDCCC050	VN086965.D	11 Jun 2025 21:23	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN086861.D	06 Jun 2025 07:59		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN086862.D	06 Jun 2025 12:44	Method failed for com.#13	JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN086863.D	06 Jun 2025 13:17		JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN086864.D	06 Jun 2025 13:40		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN086865.D	06 Jun 2025 14:03		JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN086866.D	06 Jun 2025 14:26		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN086867.D	06 Jun 2025 14:49		JC\MD	Ok,M
8	IBLK	IBLK	VN086868.D	06 Jun 2025 15:12		JC\MD	Ok
9	VSTDICV050	ICVVN060625	VN086869.D	06 Jun 2025 15:54		JC\MD	Ok,M
10	VN0606WBL01	VN0606WBL01	VN086870.D	06 Jun 2025 16:47		JC\MD	Ok
11	VN0606WBL02	VN0606WBL02	VN086871.D	06 Jun 2025 17:10		JC\MD	Ok
12	VN0606WBS01	VN0606WBS01	VN086872.D	06 Jun 2025 17:33		JC\MD	Ok,M
13	VN0606WBSD01	VN0606WBSD01	VN086873.D	06 Jun 2025 17:56		JC\MD	Ok,M
14	Q2254-01	BP-VPB-182-GW-810-8	VN086874.D	06 Jun 2025 18:19	vial A pH<2 endccc out of tune	JC\MD	Not Ok
15	Q2237-02	TW-WTS-10	VN086875.D	06 Jun 2025 18:42	vial A pH<2	JC\MD	Ok
16	Q2216-02	3887	VN086876.D	06 Jun 2025 19:05	vial A pH<2	JC\MD	Ok
17	Q2216-03	3888	VN086877.D	06 Jun 2025 19:28	vial A pH<2	JC\MD	Ok
18	Q2216-04	3864	VN086878.D	06 Jun 2025 19:51	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN060625

Review By	John Carlone	Review On	6/9/2025 8:08:23 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/9/2025 1:13:51 PM		
SubDirectory	VN060625	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134155
Initial Calibration Stds	VP134242,VP134243,VP134244,VP134245,VP134246,VP134247
CCC	VP134156
Internal Standard/PEM	
ICV/I.BLK	VP134248
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2216-05	3865	VN086879.D	06 Jun 2025 20:13	vial A pH<2 Out of Tune	JC\MD	Not Ok
20	Q2216-06	3851	VN086880.D	06 Jun 2025 20:36	vial A pH<2 Out of Tune	JC\MD	Not Ok
21	Q2206-04	TP-1	VN086881.D	06 Jun 2025 20:59	vial A pH<2 Out of Tune	JC\MD	Not Ok
22	Q2242-04	TP09-MHJ	VN086882.D	06 Jun 2025 21:21	vial A pH<2 Out of Tune	JC\MD	Not Ok
23	Q2192-01	SB-1	VN086883.D	06 Jun 2025 21:44	vial A pH<2 Out of Tune	JC\MD	Not Ok
24	Q2198-02	B-202-SB02	VN086884.D	06 Jun 2025 22:07	vial A pH<2 Out of Tune	JC\MD	Not Ok
25	Q2198-04	B-207-SB02	VN086885.D	06 Jun 2025 22:29	vial A pH<2 Out of Tune	JC\MD	Not Ok
26	VSTDCCC050	VSTDCCC050EC	VN086886.D	06 Jun 2025 22:52	Out of Tune	JC\MD	Not Ok

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/11/2025 11:14:28 AM		
SubDirectory	VN061025	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134203
Initial Calibration Stds	
CCC	VP134204,VP134205
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	VN086912.D	10 Jun 2025 08:39		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086913.D	10 Jun 2025 09:13	pH#Lot#V12668	JC\MD	Ok,M
3	VN0610MBL01	VN0610MBL01	VN086914.D	10 Jun 2025 09:47		JC\MD	Ok
4	VN0610WBL01	VN0610WBL01	VN086915.D	10 Jun 2025 10:09		JC\MD	Ok
5	VN0610WBS01	VN0610WBS01	VN086916.D	10 Jun 2025 10:30		JC\MD	Ok,M
6	VN0610WBSD01	VN0610WBSD01	VN086917.D	10 Jun 2025 11:04		JC\MD	Ok,M
7	IBLK	IBLK	VN086918.D	10 Jun 2025 11:25		JC\MD	Ok
8	Q2250-05	EB02-060525	VN086919.D	10 Jun 2025 11:47	vial A pH<2 EB	JC\MD	Ok
9	Q2250-06	TB-01-060525	VN086920.D	10 Jun 2025 12:08	vial A pH<2 TB	JC\MD	Ok
10	Q2250-01	MW-11A-13.5-060525	VN086921.D	10 Jun 2025 12:30	vial A pH<2 Need 20X	JC\MD	Dilution
11	Q2250-02MS	MW-11A-13.5-060525M	VN086922.D	10 Jun 2025 12:51	vial A pH<2	JC\MD	Ok,M
12	Q2250-03MSD	MW-11A-13.5-060525M	VN086923.D	10 Jun 2025 13:12	vial A pH<2	JC\MD	Ok,M
13	IBLK	IBLK	VN086924.D	10 Jun 2025 13:34		JC\MD	Ok
14	Q2251-01	BP-VPB-182-TB-20250	VN086925.D	10 Jun 2025 13:55	Confirm concentration	JC\MD	Not Ok
15	Q2251-06	VPB182-HYD-2025060	VN086926.D	10 Jun 2025 14:17	Confirm concentration	JC\MD	Not Ok
16	Q2251-05	BP-VPB-182-EB-20250	VN086927.D	10 Jun 2025 14:38	vial A pH<2 EB;Hit of comp.#16,25	JC\MD	ReRun
17	Q2251-02	BP-VPB-182-GW-740-7	VN086928.D	10 Jun 2025 15:00	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061025

Review By	John Carlone	Review On	6/11/2025 9:59:27 AM		
Supervise By	Mahesh Dadoda	Supervise On	6/11/2025 11:14:28 AM		
SubDirectory	VN061025	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134203
Initial Calibration Stds	
CCC	VP134204,VP134205
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2251-03	BP-VPB-182-GW-760-7	VN086929.D	10 Jun 2025 15:22	vial A pH<2	JC\MD	Ok
19	IBLK	IBLK	VN086930.D	10 Jun 2025 15:43		JC\MD	Ok
20	IBLK	IBLK	VN086931.D	10 Jun 2025 16:05		JC\MD	Ok
21	Q2251-01	BP-VPB-182-TB-20250	VN086932.D	10 Jun 2025 16:26	vial A pH<2 TB	JC\MD	Ok
22	Q2251-05	BP-VPB-182-EB-20250	VN086933.D	10 Jun 2025 16:48	vial B pH<2 EB	JC\MD	Ok
23	Q2202-01	MW-9-20250603	VN086934.D	10 Jun 2025 17:09	vial A pH<2	JC\MD	Ok
24	Q2202-02	MW-11-20250603	VN086935.D	10 Jun 2025 17:31	vial A pH<2	JC\MD	Ok
25	Q2202-03	MW-12-20250603	VN086936.D	10 Jun 2025 17:52	vial A pH<2 Need 5X	JC\MD	Dilution
26	Q2279-01	301-469-5TH-AVE	VN086937.D	10 Jun 2025 18:14	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086938.D	10 Jun 2025 18:57		JC\MD	Ok,M

M : Manual Integration

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM		
SubDirectory	VN061125	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134284
Initial Calibration Stds	
CCC	VP134285,VP134286
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	VN086939.D	11 Jun 2025 10:22		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN086940.D	11 Jun 2025 11:32	pH#Lot#V12668	JC\MD	Ok,M
3	VN0611MBL01	VN0611MBL01	VN086941.D	11 Jun 2025 12:06		JC\MD	Ok
4	VN0611WBL01	VN0611WBL01	VN086942.D	11 Jun 2025 12:28		JC\MD	Ok
5	VN0611WBS01	VN0611WBS01	VN086943.D	11 Jun 2025 12:50	Recovery fail	JC\MD	Not Ok
6	VN0611WBS02	VN0611WBS02	VN086944.D	11 Jun 2025 13:27		JC\MD	Ok,M
7	VN0611WBSD02	VN0611WBSD02	VN086945.D	11 Jun 2025 14:01		JC\MD	Ok,M
8	Q2251-06	VPB182-HYD-2025060	VN086946.D	11 Jun 2025 14:22	vial A pH<2	JC\MD	Ok
9	Q2202-03DL	MW-12-20250603DL	VN086947.D	11 Jun 2025 14:44	vial B pH<2	JC\MD	Ok,M
10	Q2250-01DL	MW-11A-13.5-060525D	VN086948.D	11 Jun 2025 15:06	vial B pH<2	JC\MD	Ok
11	Q2202-06	TB-20250603	VN086949.D	11 Jun 2025 15:28	vial A pH<2 TB	JC\MD	Ok
12	Q2189-01	MW-7-20250602	VN086950.D	11 Jun 2025 15:50	vial B pH<2	JC\MD	Ok
13	Q2202-05	MW-1A-20250603	VN086951.D	11 Jun 2025 16:12	vial A pH<2	JC\MD	Ok
14	Q2202-04	MW-130-20250603	VN086952.D	11 Jun 2025 16:35	vial A pH<2	JC\MD	Ok
15	Q2231-01	MW-10D-20250604	VN086953.D	11 Jun 2025 16:57	vial A pH<2	JC\MD	Ok
16	Q2231-02	MW-14-20250604	VN086954.D	11 Jun 2025 17:19	vial A pH<2	JC\MD	Ok,M
17	Q2231-03	MW-15-20250604	VN086955.D	11 Jun 2025 17:41	vial A pH<2	JC\MD	Ok
18	Q2231-04	MW-16D-20250604	VN086956.D	11 Jun 2025 18:04	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN061125

Review By	John Carlone	Review On	6/12/2025 9:57:37 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/12/2025 3:55:33 PM		
SubDirectory	VN061125	HP Acquire Method		HP Processing Method	82N060625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP134284
Initial Calibration Stds	
CCC	VP134285,VP134286
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2231-05	MW-17-20250604	VN086957.D	11 Jun 2025 18:26	vial A pH<2	JC\MD	Ok
20	Q2231-06	TB-20250604	VN086958.D	11 Jun 2025 18:48	vial A pH<2 TB	JC\MD	Ok
21	Q2210-01	TW1	VN086959.D	11 Jun 2025 19:10	vial A pH<2	JC\MD	Ok
22	Q2209-01	P01W	VN086960.D	11 Jun 2025 19:33	vial A pH<2	JC\MD	Ok
23	IBLK	IBLK	VN086961.D	11 Jun 2025 19:55		JC\MD	Ok
24	IBLK	IBLK	VN086962.D	11 Jun 2025 20:17		JC\MD	Ok
25	Q2263-01	RW9-MW01D3-202506	VN086963.D	11 Jun 2025 20:39	vial A pH<2	JC\MD	Ok
26	Q2263-02	RW9-MW01S-2025060	VN086964.D	11 Jun 2025 21:01	vial A pH<2	JC\MD	Ok
27	VSTDCCC050	VSTDCCC050EC	VN086965.D	11 Jun 2025 21:23		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2250	**OrderDate:**	6/5/2025 4:22:00 PM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	D22,N31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2250-01	**MW-11A-13.5-060525**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/10/25	
Q2250-01DL	**MW-11A-13.5-060525 DL**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/11/25	
Q2250-05	**EB02-060525**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/10/25	
Q2250-06	**TB-01-060525**	**Water**			**06/05/25**			**06/05/25**
			VOCMS Group3	8260-Low			06/10/25	