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

Hit Summary Sheet
SW-846

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	**RMW-03B-90.4-08122025**							
Q2842-01	RMW-03B-90.4-08	Water	cis-1,2-Dichloroethene	2800		7.60	40.0	ug/L
Q2842-01	RMW-03B-90.4-08	Water	Trichloroethene	810		3.70	40.0	ug/L
			Total Voc :	3610				
			Total Concentration:	3610				
Client ID:	**RMW-02B-66.3-08122025**							
Q2842-02	RMW-02B-66.3-08	Water	Vinyl Chloride	240		10.4	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	1,1-Dichloroethene	130		9.20	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	cis-1,2-Dichloroethene	1600		7.60	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	Trichloroethene	1500		3.70	40.0	ug/L
Q2842-02	RMW-02B-66.3-08	Water	Tetrachloroethene	24.7	J	9.20	40.0	ug/L
			Total Voc :	3490				
			Total Concentration:	3490				
Client ID:	**MW-17B-55.5-08122025**							
Q2842-03	MW-17B-55.5-0812	Water	cis-1,2-Dichloroethene	3000		19.0	100	ug/L
Q2842-03	MW-17B-55.5-0812	Water	Trichloroethene	3600		9.30	100	ug/L
Q2842-03	MW-17B-55.5-0812	Water	Tetrachloroethene	56.3	J	23.0	100	ug/L
			Total Voc :	6660				
			Total Concentration:	6660				

SAMPLE DATA

Raw Data: **VN087566.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-03B-90.4-08122025	SDG No.:	Q2842
Lab Sample ID:	Q2842-01	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:	Date Analyzed	Prep Batch ID
VN087566.D	40	08/14/25 15:20	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	10.4	U	10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	9.20	U	9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	2800		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	810		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	9.20	U	9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.7		70 (74) - 130 (125)	107%	SPK: 50
1868-53-7	Dibromofluoromethane	45.5		70 (75) - 130 (124)	91%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.9		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	226000	8.206			
540-36-3	1,4-Difluorobenzene	494000	9.088			
3114-55-4	Chlorobenzene-d5	459000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	214000	13.77			

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: **VN087567.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	RMW-02B-66.3-08122025	SDG No.:	Q2842
Lab Sample ID:	Q2842-02	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:	Date Analyzed	Prep Batch ID
VN087567.D	40	08/14/25 15:42	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	240		10.4	40.0	ug/L
75-35-4	1,1-Dichloroethene	130		9.20	40.0	ug/L
75-34-3	1,1-Dichloroethane	9.20	U	9.20	40.0	ug/L
156-59-2	cis-1,2-Dichloroethene	1600		7.60	40.0	ug/L
71-55-6	1,1,1-Trichloroethane	8.00	U	8.00	40.0	ug/L
71-43-2	Benzene	6.00	U	6.00	40.0	ug/L
107-06-2	1,2-Dichloroethane	8.80	U	8.80	40.0	ug/L
79-01-6	Trichloroethene	1500		3.70	40.0	ug/L
79-00-5	1,1,2-Trichloroethane	8.40	U	8.40	40.0	ug/L
127-18-4	Tetrachloroethene	24.7	J	9.20	40.0	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.0		70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.0		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.0		70 (77) - 130 (121)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	219000	8.212			
540-36-3	1,4-Difluorobenzene	487000	9.088			
3114-55-4	Chlorobenzene-d5	439000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	211000	13.77			

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: **VN087568.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-08122025	SDG No.:	Q2842
Lab Sample ID:	Q2842-03	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:	Date Analyzed	Prep Batch ID
VN087568.D	100	08/14/25 16:04	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	26.0	U	26.0	100	ug/L
75-35-4	1,1-Dichloroethene	23.0	U	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	U	23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	3000		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	U	20.0	100	ug/L
71-43-2	Benzene	15.0	U	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	U	22.0	100	ug/L
79-01-6	Trichloroethene	3600		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	U	21.0	100	ug/L
127-18-4	Tetrachloroethene	56.3	J	23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		70 (74) - 130 (125)	113%	SPK: 50
1868-53-7	Dibromofluoromethane	45.1		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	46.5		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5		70 (77) - 130 (121)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	220000	8.212			
540-36-3	1,4-Difluorobenzene	488000	9.088			
3114-55-4	Chlorobenzene-d5	455000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	209000	13.77			

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: **VN087569.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MS	SDG No.:	Q2842
Lab Sample ID:	Q2842-04MS	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:	Date Analyzed	Prep Batch ID
VN087569.D	100	08/14/25 16:27	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5200		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5300		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8100		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5400		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5500		22.0	100	ug/L
79-01-6	Trichloroethene	10000		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	8.206			
540-36-3	1,4-Difluorobenzene	461000	9.083			
3114-55-4	Chlorobenzene-d5	435000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.77			

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: **VN087570.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MSD	SDG No.:	Q2842
Lab Sample ID:	Q2842-05MSD	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:	Date Analyzed	Prep Batch ID
VN087570.D	100	08/14/25 16:49	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5300		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5400		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8000		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5500		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5300		22.0	100	ug/L
79-01-6	Trichloroethene	9500		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.212			
540-36-3	1,4-Difluorobenzene	499000	9.082			
3114-55-4	Chlorobenzene-d5	460000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.77			

U = Not Detected
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* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VN087565.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	TB01-081225	SDG No.:	Q2842
Lab Sample ID:	Q2842-08	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:	Date Analyzed	Prep Batch ID
VN087565.D	1	08/14/25 14:58	VN081425

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	55.1		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	44.9		70 (75) - 130 (124)	90%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (86) - 130 (113)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	224000	8.212			
540-36-3	1,4-Difluorobenzene	499000	9.088			
3114-55-4	Chlorobenzene-d5	459000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	215000	13.77			

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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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

QC SUMMARY

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

Surrogate Summary

SDG No.: Q2842

Client: JACOBS Engineering Group, Inc.

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2842-01	RMW-03B-90.4-08122025	1,2-Dichloroethane-d4	50	53.7	107		70 (74)	130 (125)
		Dibromofluoromethane	50	45.5	91		70 (75)	130 (124)
		Toluene-d8	50	45.7	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.9	88		70 (77)	130 (121)
Q2842-02	RMW-02B-66.3-08122025	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	46.0	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.0	90		70 (77)	130 (121)
Q2842-03	MW-17B-55.5-08122025	1,2-Dichloroethane-d4	50	56.6	113		70 (74)	130 (125)
		Dibromofluoromethane	50	45.1	90		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91		70 (77)	130 (121)
Q2842-04MS	MW-17B-55.5-081225MS	1,2-Dichloroethane-d4	50	53.8	108		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	47.9	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.7	103		70 (77)	130 (121)
Q2842-05MSD	MW-17B-55.5-081225MSD	1,2-Dichloroethane-d4	50	54.6	109		70 (74)	130 (125)
		Dibromofluoromethane	50	46.7	93		70 (75)	130 (124)
		Toluene-d8	50	48.2	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	50.5	101		70 (77)	130 (121)
Q2842-08	TB01-081225	1,2-Dichloroethane-d4	50	55.1	110		70 (74)	130 (125)
		Dibromofluoromethane	50	44.9	90		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88		70 (77)	130 (121)
VN0814WBL01	VN0814WBL01	1,2-Dichloroethane-d4	50	52.9	106		70 (74)	130 (125)
		Dibromofluoromethane	50	44.2	88		70 (75)	130 (124)
		Toluene-d8	50	44.2	88		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.7	87		70 (77)	130 (121)
VN0814WBS01	VN0814WBS01	1,2-Dichloroethane-d4	50	57.6	115		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.9	106		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VN087569.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2842-04MS		**Client Sample ID : MW-17B-55.5-081225MS**									
Vinyl chloride	5000	0	5400	ug/L	108				70 (69)	130 (125)	
1,1-Dichloroethene	5000	0	5200	ug/L	104				70 (53)	130 (162)	
1,1-Dichloroethane	5000	0	5300	ug/L	106				70 (78)	130 (122)	
cis-1,2-Dichloroethene	5000	3000	8100	ug/L	102				70 (82)	130 (124)	
1,1,1-Trichloroethane	5000	0	5400	ug/L	108				70 (83)	130 (117)	
Benzene	5000	0	5100	ug/L	102				70 (81)	130 (128)	
1,2-Dichloroethane	5000	0	5500	ug/L	110				70 (76)	130 (120)	
Trichloroethene	5000	3600	10000	ug/L	128				70 (28)	130 (175)	
1,1,2-Trichloroethane	5000	0	5300	ug/L	106				70 (27)	130 (175)	
Tetrachloroethene	5000	56.3	4300	ug/L	85				70 (48)	130 (153)	

( ) = LABORATORY INHOUSE LIMIT

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Matrix Spike/Matrix Spike Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, In **Datafile :** VN087570.D

Parameter	Spike	Sample Result	Result	Units	Rec	Rec Qual	RPD	RPD Qual	Limits Low	Limits High	Limits RPD
Lab Sample ID : Q2842-05MSD		**Client Sample ID : MW-17B-55.5-081225MSD**									
Vinyl chloride	5000	0	5400	ug/L	108		0		70 (69)	130 (125)	20 (20)
1,1-Dichloroethene	5000	0	5300	ug/L	106		2		70 (53)	130 (162)	20 (20)
1,1-Dichloroethane	5000	0	5400	ug/L	108		2		70 (78)	130 (122)	20 (20)
cis-1,2-Dichloroethene	5000	3000	8000	ug/L	100		2		70 (82)	130 (124)	20 (20)
1,1,1-Trichloroethane	5000	0	5500	ug/L	110		2		70 (83)	130 (117)	20 (20)
Benzene	5000	0	5100	ug/L	102		0		70 (81)	130 (128)	20 (20)
1,2-Dichloroethane	5000	0	5300	ug/L	106		4		70 (76)	130 (120)	20 (20)
Trichloroethene	5000	3600	9500	ug/L	118		8		70 (28)	130 (175)	20 (20)
1,1,2-Trichloroethane	5000	0	5300	ug/L	106		0		70 (27)	130 (175)	20 (20)
Tetrachloroethene	5000	56.3	4300	ug/L	85		0		70 (48)	130 (153)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2842 **Analytical Method:** SW8260-Low

Client: JACOBS Engineering Group, Inc. **Datafile :** VN087555.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0814WBS01	Vinyl chloride	20	21.4	ug/L	107			70 (65)	130 (117)	
	1,1-Dichloroethene	20	20.6	ug/L	103			70 (74)	130 (110)	
	1,1-Dichloroethane	20	21.6	ug/L	108			70 (78)	130 (112)	
	cis-1,2-Dichloroethene	20	21.2	ug/L	106			70 (77)	130 (110)	
	1,1,1-Trichloroethane	20	21.4	ug/L	107			70 (80)	130 (108)	
	Benzene	20	20.3	ug/L	102			70 (82)	130 (109)	
	1,2-Dichloroethane	20	21.5	ug/L	108			70 (80)	130 (115)	
	Trichloroethene	20	19.2	ug/L	96			70 (77)	130 (113)	
	1,1,2-Trichloroethane	20	20.7	ug/L	104			70 (83)	130 (112)	
	Tetrachloroethene	20	18.1	ug/L	91			70 (67)	130 (123)	

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0814WBL01

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

Lab File ID: VN087554.D | Lab Sample ID: VN0814WBL01

Date Analyzed: 08/14/2025 | Time Analyzed: 10:32

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
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025
TB01-081225	Q2842-08	VN087565.D	08/14/2025
RMW-03B-90.4-08122025	Q2842-01	VN087566.D	08/14/2025
RMW-02B-66.3-08122025	Q2842-02	VN087567.D	08/14/2025
MW-17B-55.5-08122025	Q2842-03	VN087568.D	08/14/2025
MW-17B-55.5-081225MS	Q2842-04MS	VN087569.D	08/14/2025
MW-17B-55.5-081225MSD	Q2842-05MSD	VN087570.D	08/14/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

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

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

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	50.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.6 (0.8) 1
174	50.0 - 100.0% of mass 95	70.9
175	5.0 - 9.0% of mass 174	3.6 (5.1) 1
176	95.0 - 101.0% of mass 174	68.7 (96.9) 1
177	5.0 - 9.0% of mass 176	4.8 (7) 2

1-Value is % mass 174

2-Value is % mass 176

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

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

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG NO.: Q2842

Lab File ID: VN087551.D | BFB Injection Date: 08/14/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:01

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.8
75	30.0 - 60.0% of mass 95	57.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.6
173	Less than 2.0% of mass 174	0.9 (1.3) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	4.4 (6.8) 1
176	95.0 - 101.0% of mass 174	64.4 (98.8) 1
177	5.0 - 9.0% of mass 176	4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087552.D	08/14/2025	09:34
VN0814WBL01	VN0814WBL01	VN087554.D	08/14/2025	10:32
VN0814WBS01	VN0814WBS01	VN087555.D	08/14/2025	11:07
TB01-081225	Q2842-08	VN087565.D	08/14/2025	14:58
RMW-03B-90.4-08122025	Q2842-01	VN087566.D	08/14/2025	15:20
RMW-02B-66.3-08122025	Q2842-02	VN087567.D	08/14/2025	15:42
MW-17B-55.5-08122025	Q2842-03	VN087568.D	08/14/2025	16:04
MW-17B-55.5-081225MS	Q2842-04MS	VN087569.D	08/14/2025	16:27
MW-17B-55.5-081225MSD	Q2842-05MSD	VN087570.D	08/14/2025	16:49

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: VN087552.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_N Time Analyzed: 09:34

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	271352	8.21	543098	9.08	500619	11.85
UPPER LIMIT	542704	8.712	1086200	9.582	1001240	12.347
LOWER LIMIT	135676	7.712	271549	8.582	250310	11.347
EPA SAMPLE NO.						
RMW-03B-90.4-08122025	225616	8.21	494400	9.09	459245	11.85
RMW-02B-66.3-08122025	218605	8.21	486591	9.09	438933	11.85
MW-17B-55.5-08122025	219937	8.21	487780	9.09	455235	11.85
MW-17B-55.5-081225MS	238067	8.21	461160	9.08	435202	11.85
MW-17B-55.5-081225MSD	251785	8.21	498703	9.08	460182	11.85
TB01-081225	224412	8.21	498664	9.09	458661	11.85
VN0814WBL01	284398	8.21	560321	9.08	503771	11.85
VN0814WBS01	250453	8.21	485218	9.08	446518	11.85

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

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

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

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG NO.: Q2842

Lab File ID: VN087552.D Date Analyzed: 08/14/2025

Instrument ID: MSVOA_N Time Analyzed: 09:34

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

	IS4 AREA #	RT #				
12 HOUR STD	255173	13.77				
UPPER LIMIT	510346	14.27				
LOWER LIMIT	127587	13.27				
EPA SAMPLE NO.						
RMW-03B-90.4-08122025	213548	13.77				
RMW-02B-66.3-08122025	211146	13.77				
MW-17B-55.5-08122025	209426	13.77				
MW-17B-55.5-081225MS	231778	13.77				
MW-17B-55.5-081225MSD	240017	13.77				
TB01-081225	214662	13.77				
VN0814WBL01	234765	13.77				
VN0814WBS01	221983	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Raw Data: **VN087554.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0814WBL01	SDG No.:	Q2842
Lab Sample ID:	VN0814WBL01	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:	Date Analyzed	Prep Batch ID
VN087554.D	1	08/14/25 10:32	VN081425

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	52.9		70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	44.2		70 (75) - 130 (124)	88%	SPK: 50
2037-26-5	Toluene-d8	44.2		70 (86) - 130 (113)	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.7		70 (77) - 130 (121)	87%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	284000	8.206			
540-36-3	1,4-Difluorobenzene	560000	9.083			
3114-55-4	Chlorobenzene-d5	504000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	235000	13.771			

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: **VN087555.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	JACOBS Engineering Group, Inc.	Date Collected:	
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	
Client Sample ID:	VN0814WBS01	SDG No.:	Q2842
Lab Sample ID:	VN0814WBS01	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:	Date Analyzed	Prep Batch ID
VN087555.D	1	08/14/25 11:07	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	21.4		0.26	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	21.6		0.23	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	21.2		0.19	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	21.4		0.20	1.00	ug/L
71-43-2	Benzene	20.3		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	21.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.7		0.21	1.00	ug/L
127-18-4	Tetrachloroethene	18.1		0.23	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	57.6		70 (74) - 130 (125)	115%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.9		70 (77) - 130 (121)	106%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	250000	8.206			
540-36-3	1,4-Difluorobenzene	485000	9.082			
3114-55-4	Chlorobenzene-d5	447000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	222000	13.77			

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: **VN087569.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MS	SDG No.:	Q2842
Lab Sample ID:	Q2842-04MS	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:	Date Analyzed	Prep Batch ID
VN087569.D	100	08/14/25 16:27	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5200		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5300		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8100		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5400		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5500		22.0	100	ug/L
79-01-6	Trichloroethene	10000		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.8		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (77) - 130 (121)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	238000	8.206			
540-36-3	1,4-Difluorobenzene	461000	9.083			
3114-55-4	Chlorobenzene-d5	435000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.77			

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: **VN087570.D**

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:	08/12/25
Project:	Former Schlumberger STC PTC Site D3868221	Date Received:	08/12/25
Client Sample ID:	MW-17B-55.5-081225MSD	SDG No.:	Q2842
Lab Sample ID:	Q2842-05MSD	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:	Date Analyzed	Prep Batch ID
VN087570.D	100	08/14/25 16:49	VN081425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-01-4	Vinyl Chloride	5400		26.0	100	ug/L
75-35-4	1,1-Dichloroethene	5300		23.0	100	ug/L
75-34-3	1,1-Dichloroethane	5400		23.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	8000		19.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	5500		20.0	100	ug/L
71-43-2	Benzene	5100		15.0	100	ug/L
107-06-2	1,2-Dichloroethane	5300		22.0	100	ug/L
79-01-6	Trichloroethene	9500		9.30	100	ug/L
79-00-5	1,1,2-Trichloroethane	5300		21.0	100	ug/L
127-18-4	Tetrachloroethene	4300		23.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	46.7		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	48.2		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.5		70 (77) - 130 (121)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	252000	8.212			
540-36-3	1,4-Difluorobenzene	499000	9.082			
3114-55-4	Chlorobenzene-d5	460000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	240000	13.77			

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: JACO05

Lab Code: ACE SDG No.: Q2842

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

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

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

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

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Vinyl Chloride	0.554	0.665	0.623	0.728	0.692	0.720	0.664	9.9
1,1-Dichloroethene	0.635	0.641	0.553	0.545	0.514	0.537	0.571	9.4
1,1-Dichloroethane	1.304	1.325	1.254	1.222	1.185	1.212	1.250	4.4
cis-1,2-Dichloroethene	0.704	0.737	0.747	0.767	0.740	0.751	0.741	2.8
1,1,1-Trichloroethane	1.043	1.146	1.096	1.084	1.049	1.085	1.084	3.4
Benzene	1.370	1.430	1.502	1.553	1.483	1.499	1.473	4.3
1,2-Dichloroethane	0.553	0.565	0.569	0.567	0.544	0.552	0.558	1.8
Trichloroethene	0.373	0.330	0.337	0.356	0.339	0.352	0.348	4.5
1,1,2-Trichloroethane	0.367	0.364	0.365	0.367	0.357	0.354	0.362	1.6
Tetrachloroethene	0.329	0.338	0.317	0.320	0.310	0.317	0.322	3.2
1,2-Dichloroethane-d4		0.939	0.820	0.802	0.818	0.863	0.848	6.6
Dibromofluoromethane		0.347	0.341	0.332	0.348	0.356	0.345	2.6
Toluene-d8		1.180	1.176	1.224	1.255	1.316	1.230	4.7
4-Bromofluorobenzene		0.405	0.433	0.455	0.476	0.505	0.455	8.5

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance | Contract: JACO05

Lab Code: ACE | SDG No.: Q2842

Instrument ID: MSVOA_N | Calibration Date/Time: 08/14/2025 09:34

Lab File ID: VN087552.D | Init. Calib. Date(s): 07/16/2025 07/16/2025

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

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Vinyl Chloride	0.664	0.678		2.11	20
1,1-Dichloroethene	0.571	0.562		-1.58	20
1,1-Dichloroethane	1.250	1.280	0.1	2.4	20
cis-1,2-Dichloroethene	0.741	0.782		5.53	20
1,1,1-Trichloroethane	1.084	1.139		5.07	20
Benzene	1.473	1.404		-4.68	20
1,2-Dichloroethane	0.558	0.573		2.69	20
Trichloroethene	0.348	0.305		-12.36	20
1,1,2-Trichloroethane	0.362	0.350		-3.32	20
Tetrachloroethene	0.322	0.260		-19.25	20
1,2-Dichloroethane-d4	0.848	0.912		7.55	20
Dibromofluoromethane	0.345	0.310		-10.15	20
Toluene-d8	1.230	1.125		-8.54	20
4-Bromofluorobenzene	0.455	0.433		-4.84	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\VN081425\
Data File : VN087566.D
Acq On : 14 Aug 2025 15:20
Operator : JC\MD
Sample : Q2842-01 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Quant Time: Aug 14 15:39:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

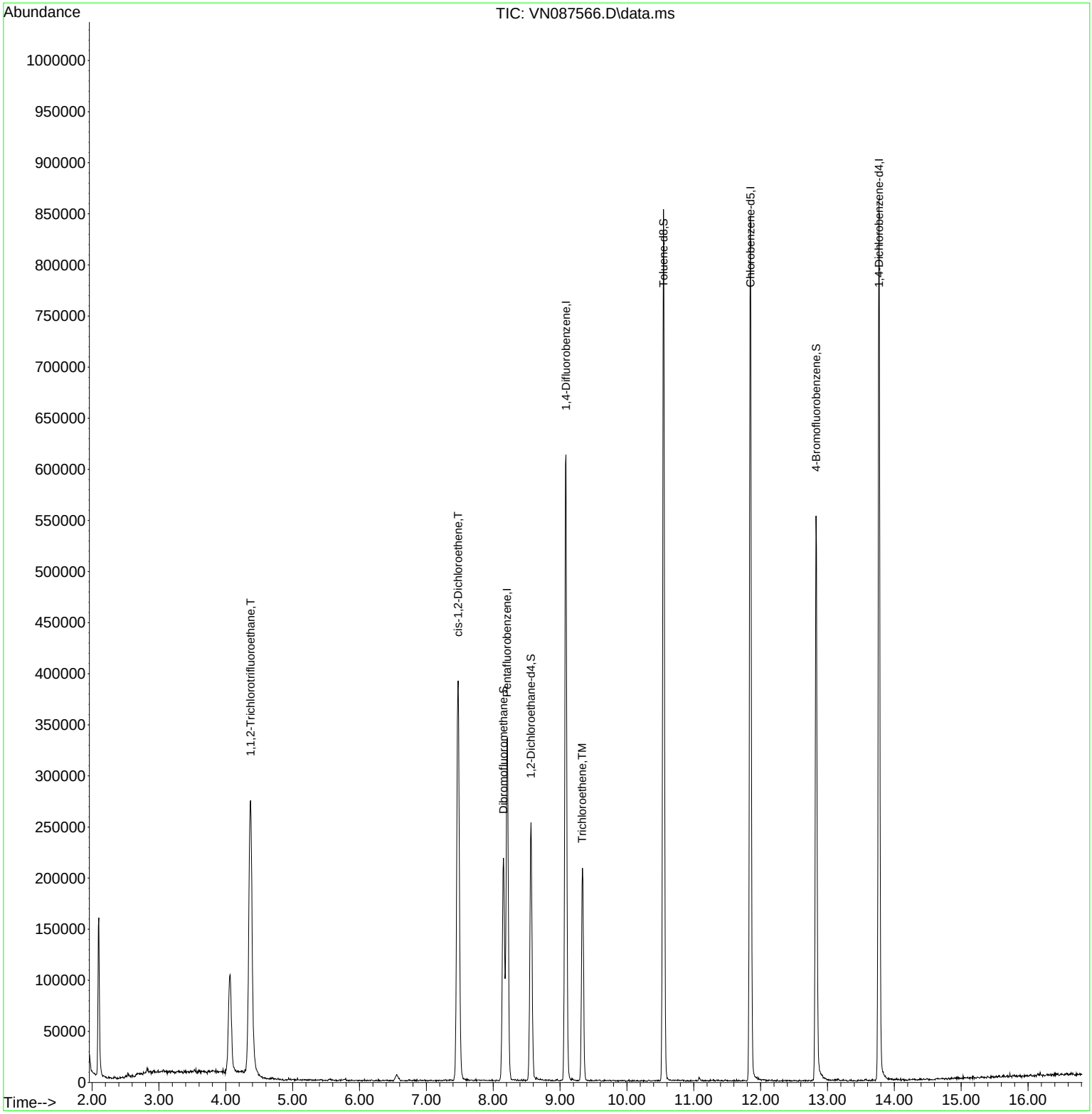
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	225616	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	494400	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	459245	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213548	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	205410	53.657	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.320%			
35) Dibromofluoromethane	8.153	113	155257	45.525	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 91.040%			
50) Toluene-d8	10.547	98	555821	45.689	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.380%			
62) 4-Bromofluorobenzene	12.829	95	197243	43.886	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.780%			
Target Compounds						Qvalue
9) 1,1,2-Trichlorotrifluo...	4.371	101	188722	83.020	ug/l	95
27) cis-1,2-Dichloroethene	7.477	96	234562	70.144	ug/l	91
44) Trichloroethene	9.329	130	69531	20.207	ug/l	99

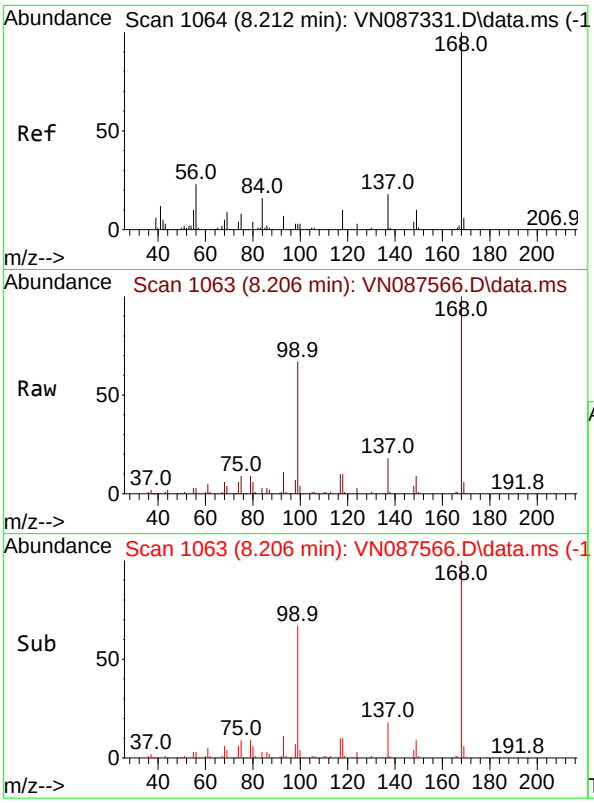
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087566.D
Acq On : 14 Aug 2025 15:20
Operator : JC\MD
Sample : Q2842-01 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Quant Time: Aug 14 15:39:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



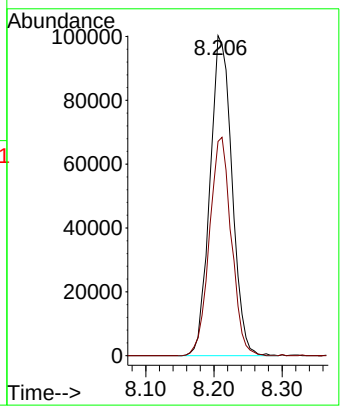


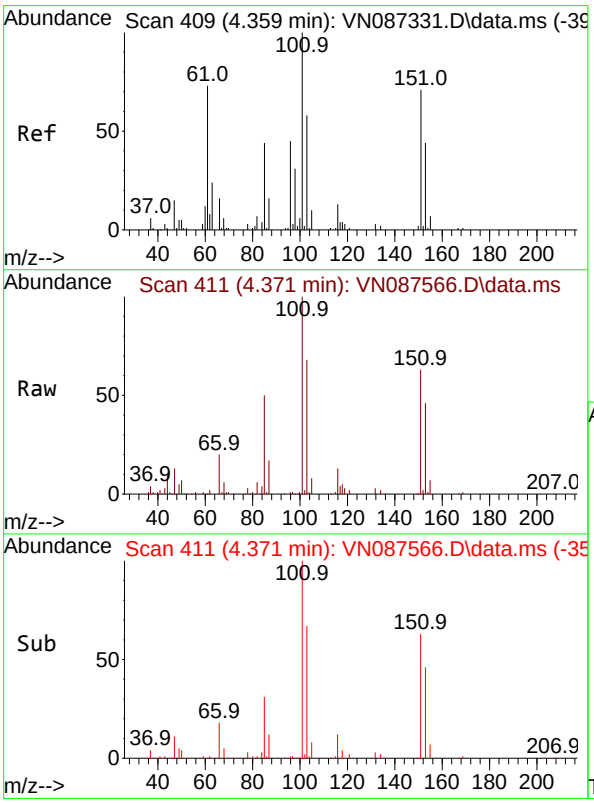
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion:168 Resp: 225616

Ion	Ratio	Lower	Upper
168	100		
99	66.9	47.9	71.9

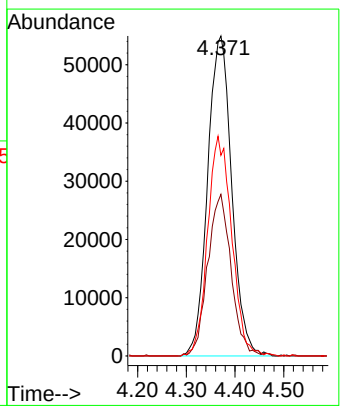


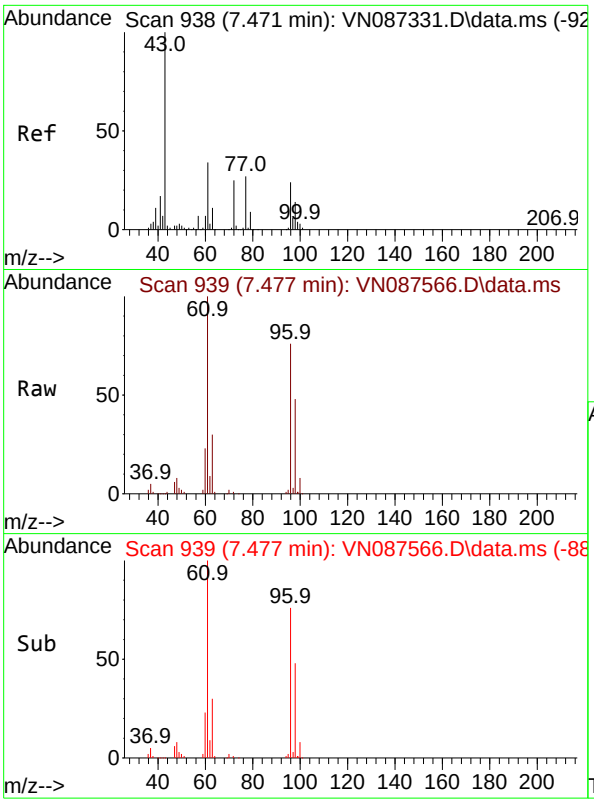


#9
1,1,2-Trichlorotrifluoroethane
Concen: 83.020 ug/l
RT: 4.371 min Scan# 411
Delta R.T. 0.012 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:101 Resp: 188722

Ion	Ratio	Lower	Upper
101	100		
85	49.1	37.3	55.9
151	68.6	58.9	88.3



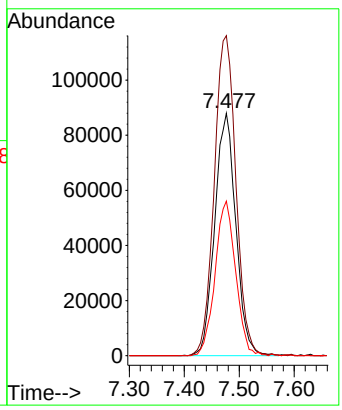


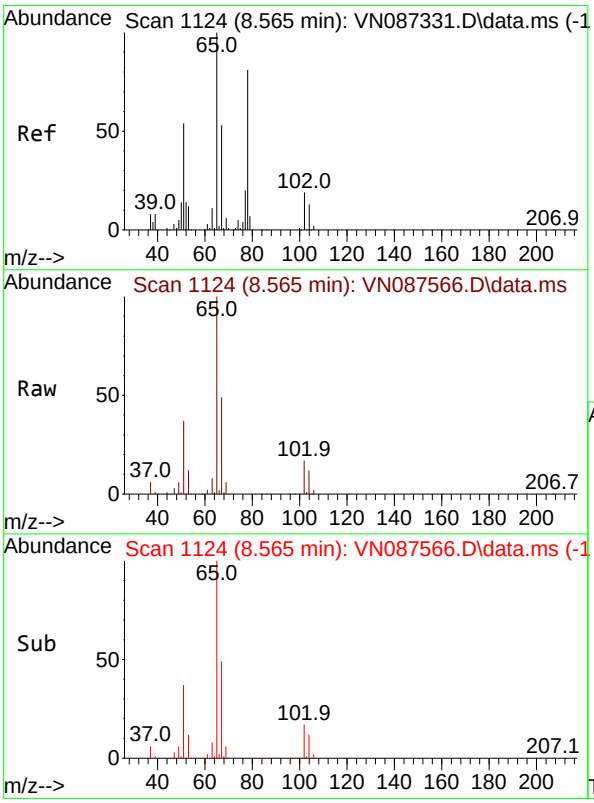
#27
cis-1,2-Dichloroethene
Concen: 70.144 ug/l
RT: 7.477 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion: 96 Resp: 234562

Ion	Ratio	Lower	Upper
96	100		
61	135.3	0.0	297.8
98	62.2	0.0	132.4

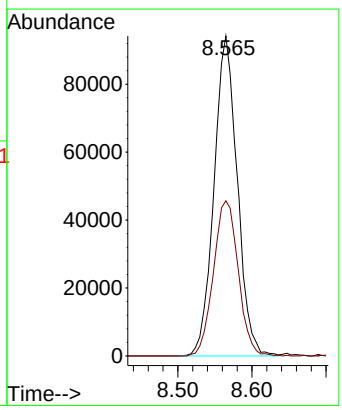


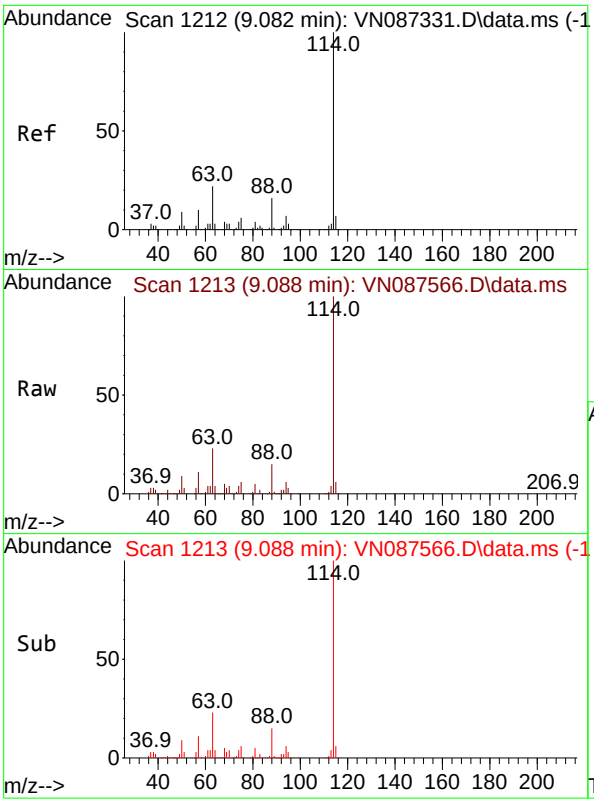


#33
1,2-Dichloroethane-d4
Concen: 53.657 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion: 65 Resp: 205410

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	104.0



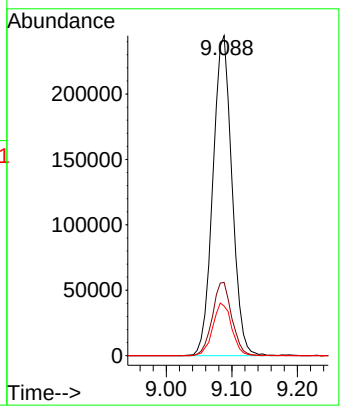


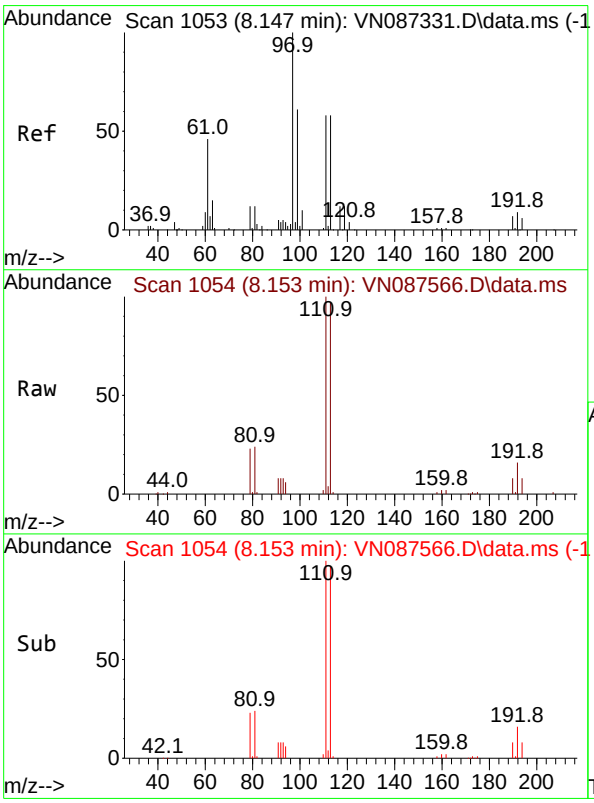
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion:114 Resp: 494400

Ion	Ratio	Lower	Upper
114	100		
63	22.9	0.0	44.6
88	15.5	0.0	32.8

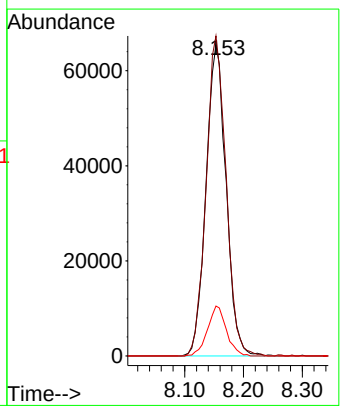


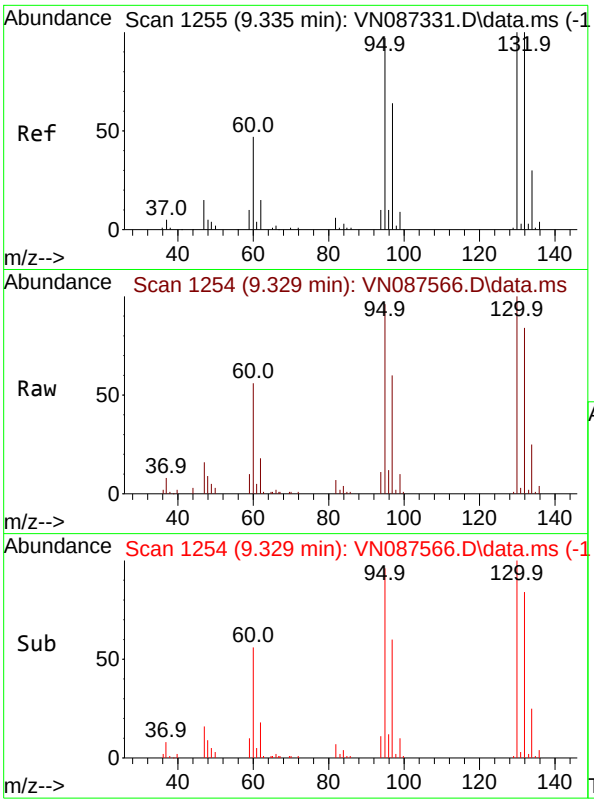


#35
Dibromofluoromethane
Concen: 45.525 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:113 Resp: 155257

Ion	Ratio	Lower	Upper
113	100		
111	102.1	82.5	123.7
192	15.1	13.7	20.5



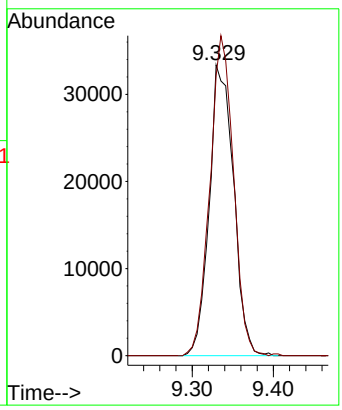


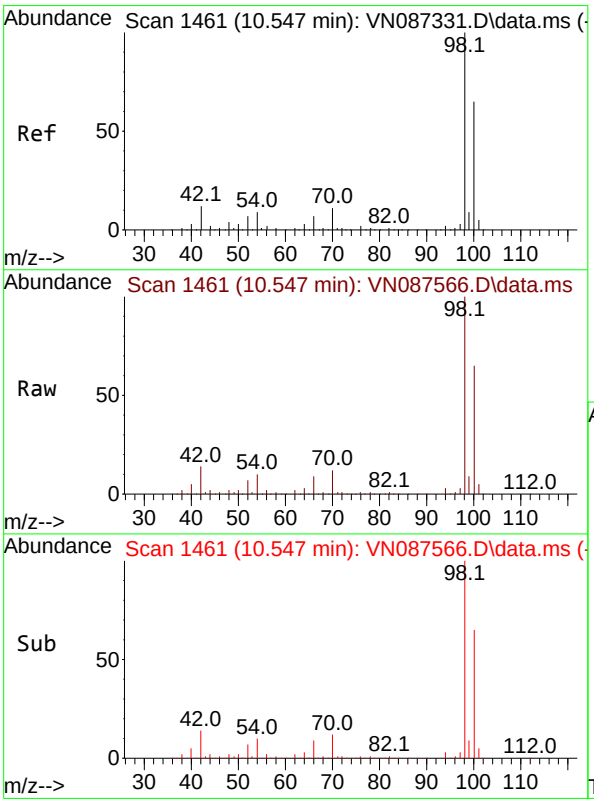
#44
Trichloroethene
Concen: 20.207 ug/l
RT: 9.329 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion:130 Resp: 69531

Ion	Ratio	Lower	Upper
130	100		
95	96.4	0.0	195.2

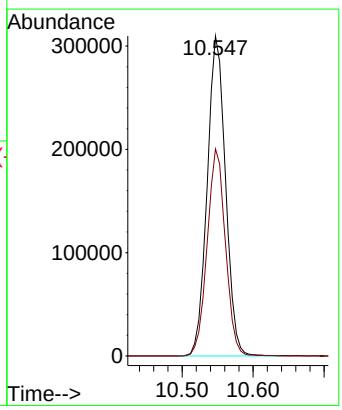


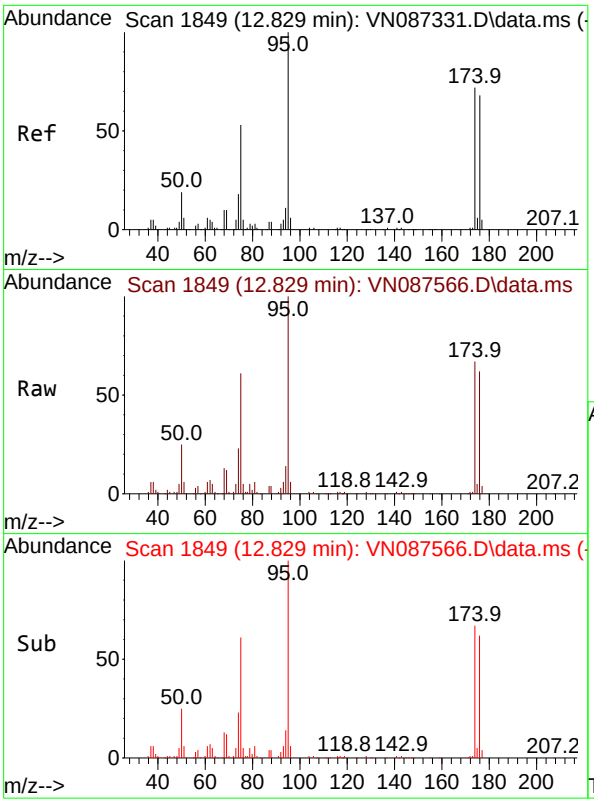


#50
Toluene-d8
Concen: 45.689 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion: 98 Resp: 555821

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.1	78.1



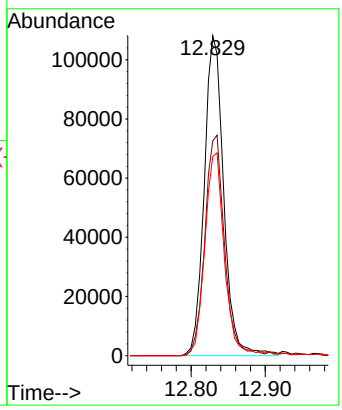


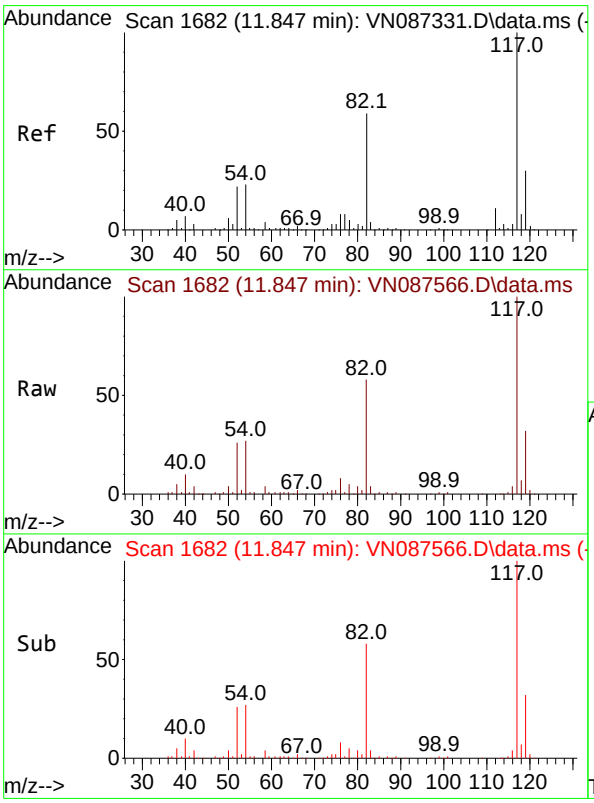
#62
4-Bromofluorobenzene
Concen: 43.886 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion: 95 Resp: 197243

Ion	Ratio	Lower	Upper
95	100		
174	69.3	0.0	149.4
176	64.4	0.0	141.2

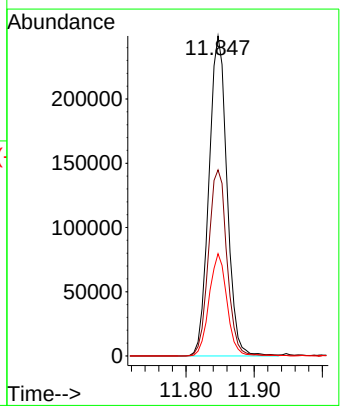


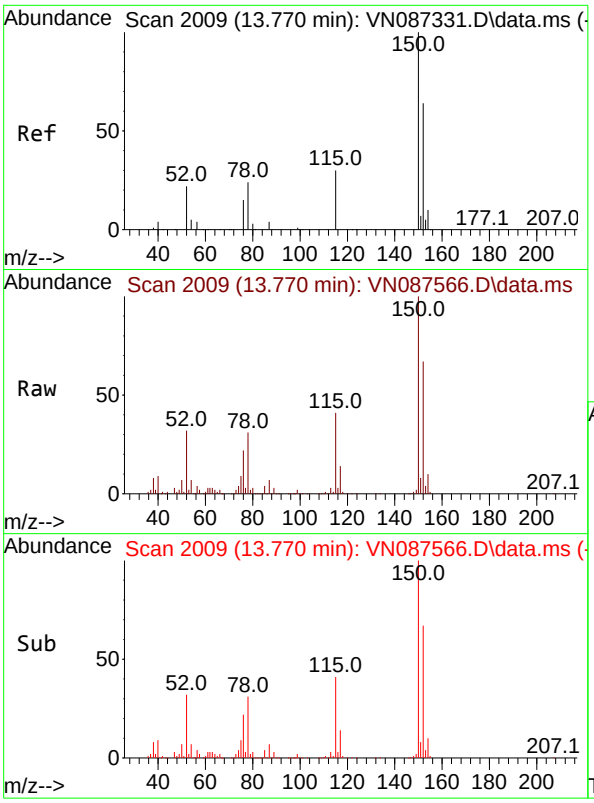


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Tgt Ion:117 Resp: 459245

Ion	Ratio	Lower	Upper
117	100		
82	58.2	47.4	71.2
119	32.0	23.8	35.8



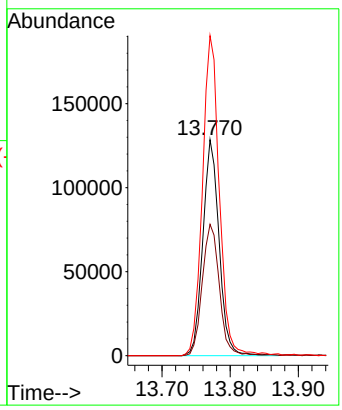


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087566.D
Acq: 14 Aug 2025 15:20

Instrument :
MSVOA_N
ClientSampleId :
RMW-03B-90.4-08122025

Tgt Ion:152 Resp: 213548

Ion	Ratio	Lower	Upper
152	100		
115	63.6	31.1	93.5
150	154.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087567.D
Acq On : 14 Aug 2025 15:42
Operator : JC\MD
Sample : Q2842-02 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Quant Time: Aug 14 19:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

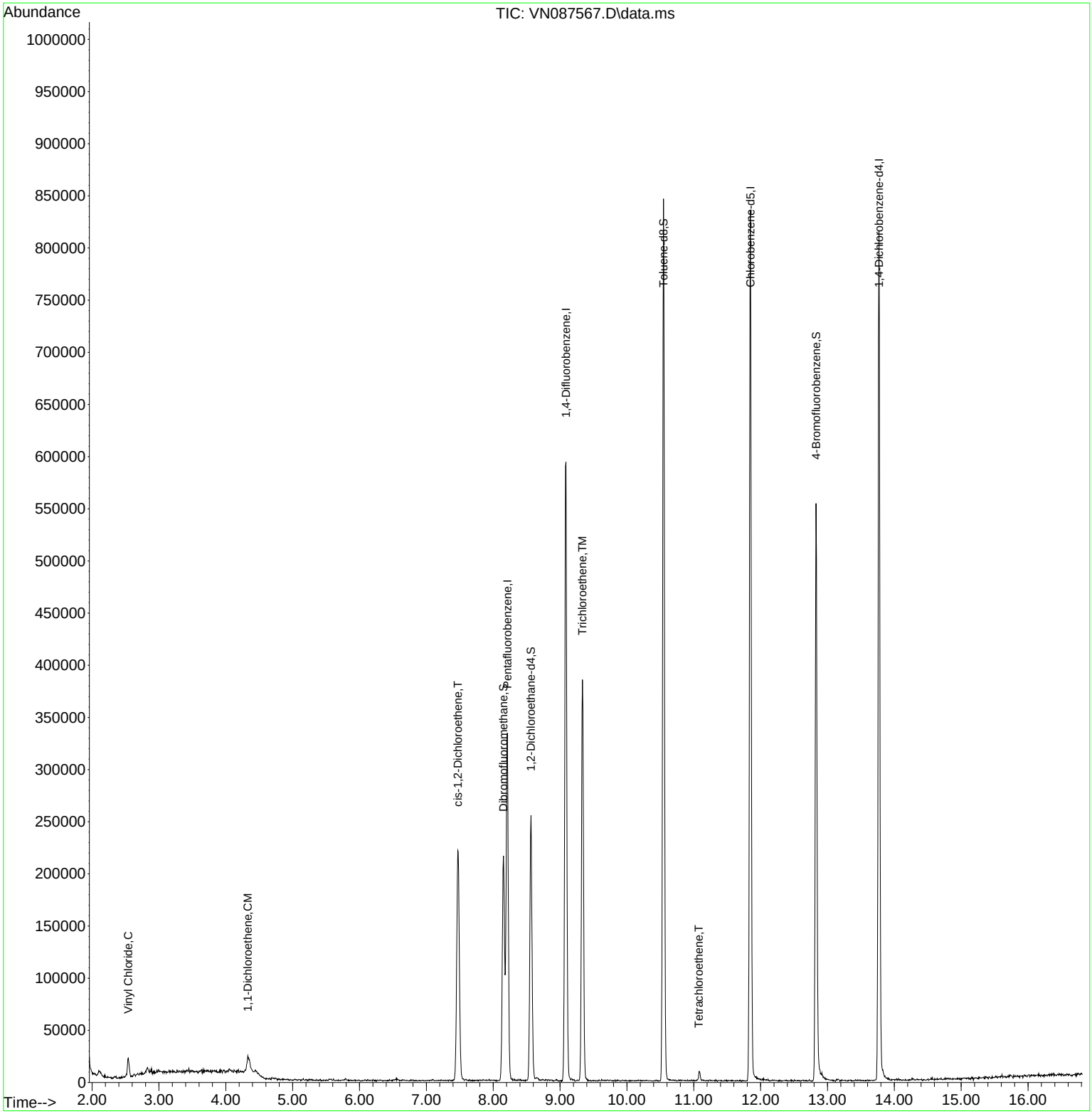
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	218605	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	486591	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	438933	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	211146	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211465	57.010	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.020%			
35) Dibromofluoromethane	8.153	113	151404	45.108	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.220%			
50) Toluene-d8	10.547	98	550924	46.014	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.020%			
62) 4-Bromofluorobenzene	12.829	95	199247	45.043	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.080%			
Target Compounds						Qvalue
4) Vinyl Chloride	2.542	62	17532	6.042	ug/l	97
12) 1,1-Dichloroethene	4.330	96	8400	3.365	ug/l	94
27) cis-1,2-Dichloroethene	7.471	96	128340	39.610	ug/l	94
44) Trichloroethene	9.335	130	129163	38.140	ug/l	94
64) Tetrachloroethene	11.076	164	1746	0.618	ug/l #	78

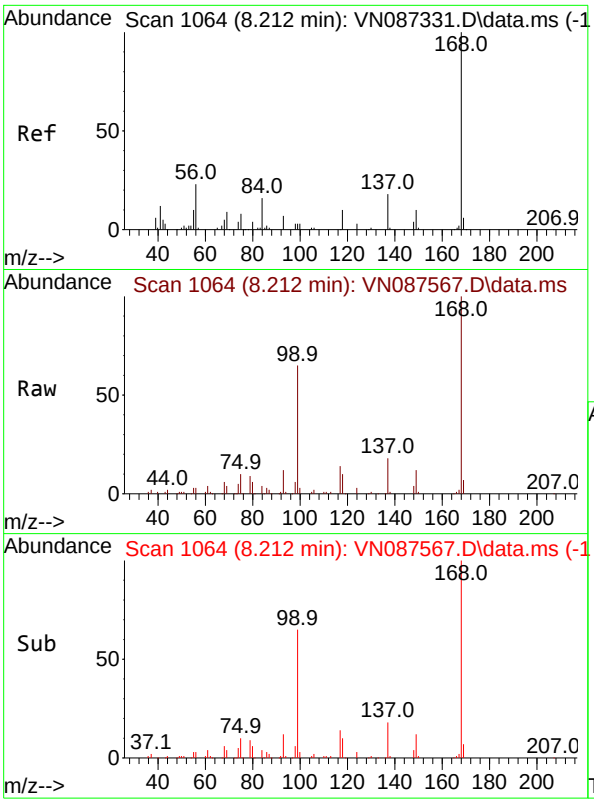
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087567.D
Acq On : 14 Aug 2025 15:42
Operator : JC\MD
Sample : Q2842-02 40X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Quant Time: Aug 14 19:59:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



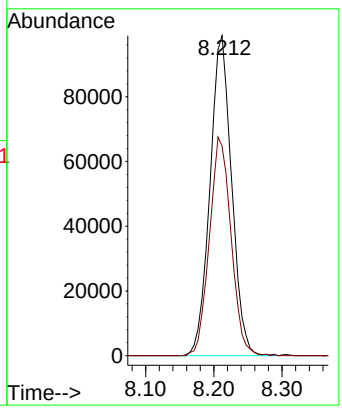


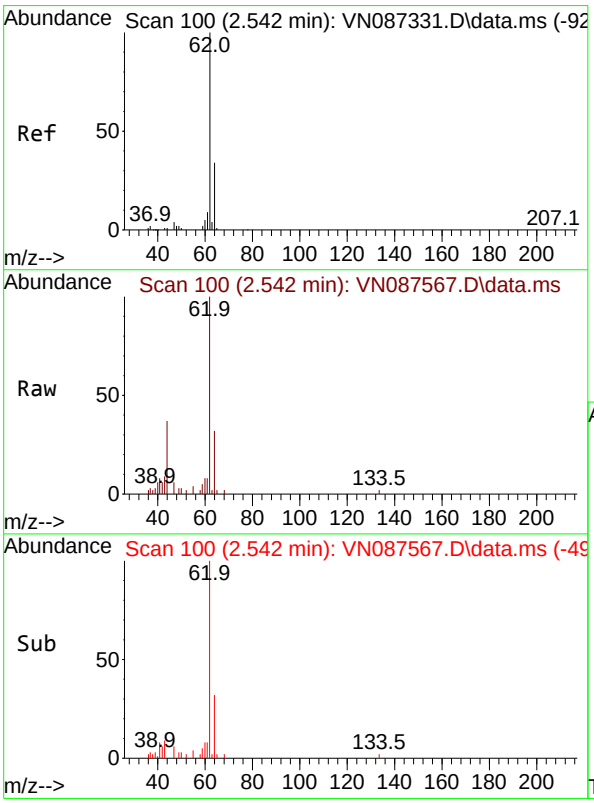
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion:168 Resp: 218605

Ion	Ratio	Lower	Upper
168	100		
99	65.5	47.9	71.9

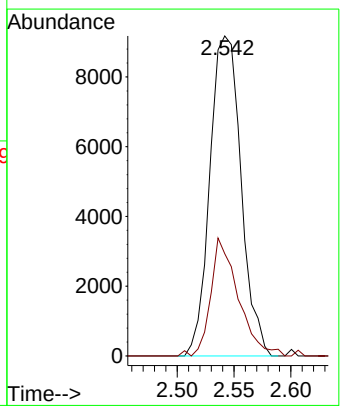


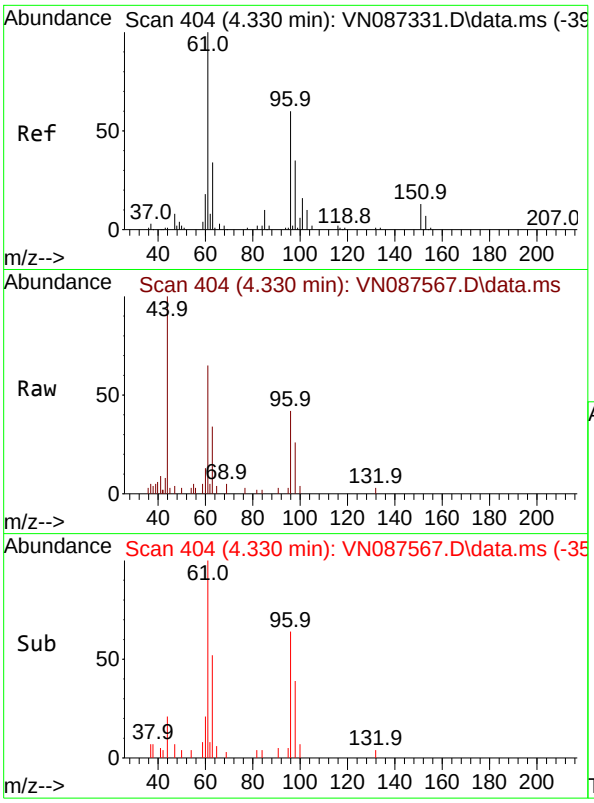


#4
Vinyl Chloride
Concen: 6.042 ug/l
RT: 2.542 min Scan# 100
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 62 Resp: 17532

Ion	Ratio	Lower	Upper
62	100		
64	31.9	27.0	40.6



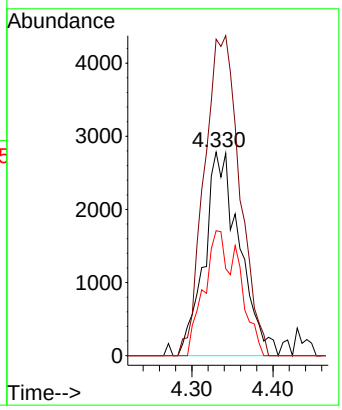


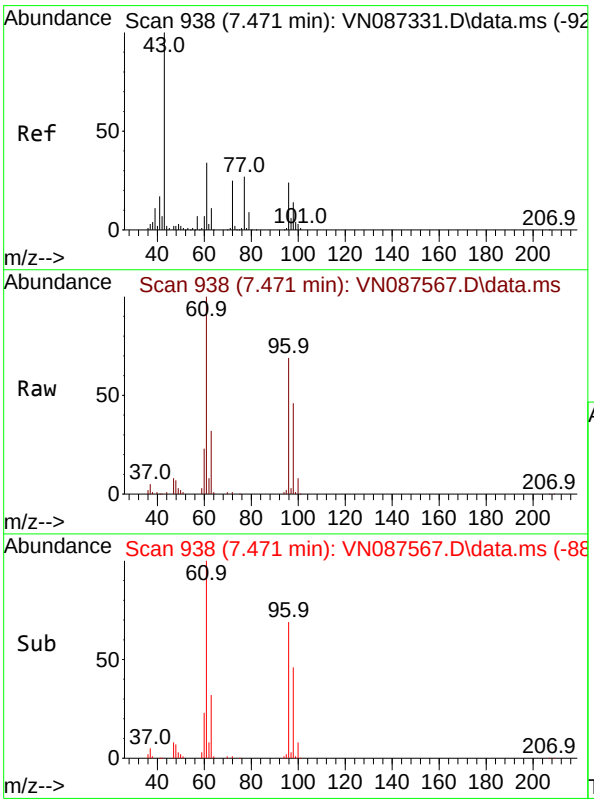
#12
1,1-Dichloroethene
Concen: 3.365 ug/l
RT: 4.330 min Scan# 4(
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion: 96 Resp: 8400

Ion	Ratio	Lower	Upper
96	100		
61	155.5	132.3	198.5
98	61.4	46.8	70.2

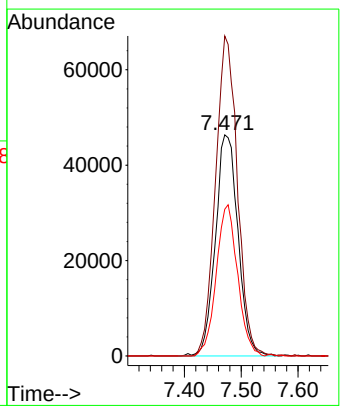


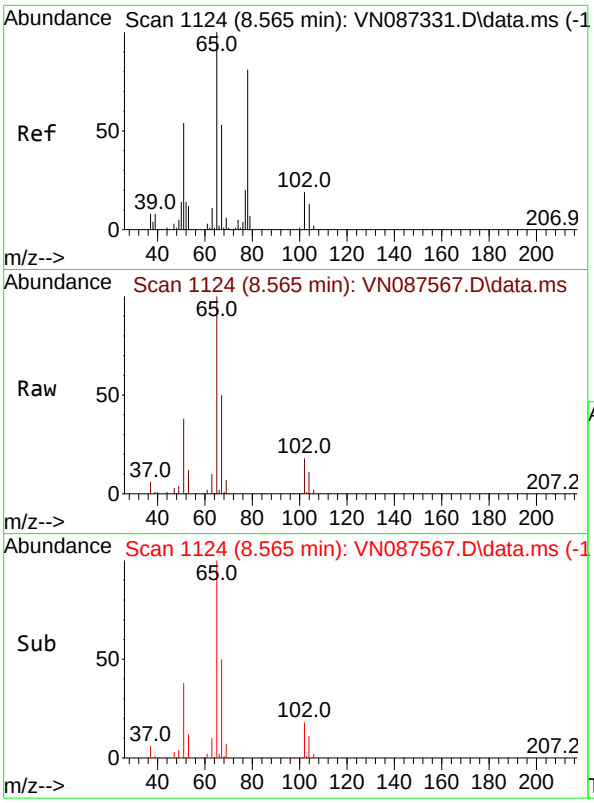


#27
cis-1,2-Dichloroethene
Concen: 39.610 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 96 Resp: 128340

Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	297.8
98	64.5	0.0	132.4



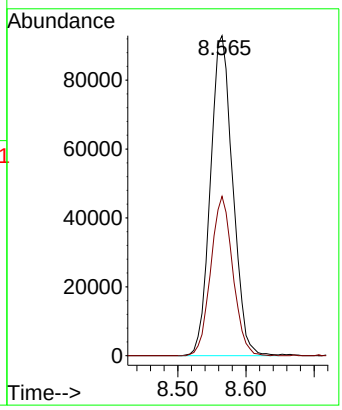


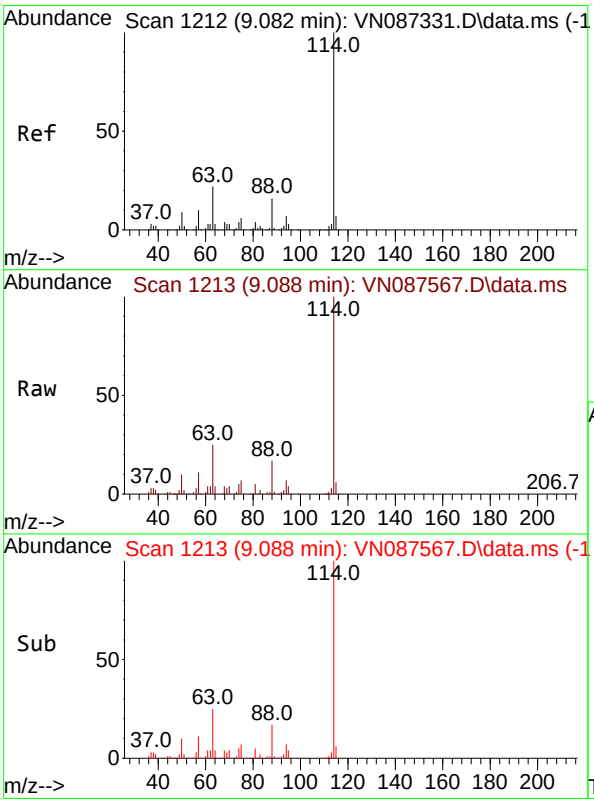
#33
1,2-Dichloroethane-d4
Concen: 57.010 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion: 65 Resp: 211465

Ion	Ratio	Lower	Upper
65	100		
67	49.2	0.0	104.0

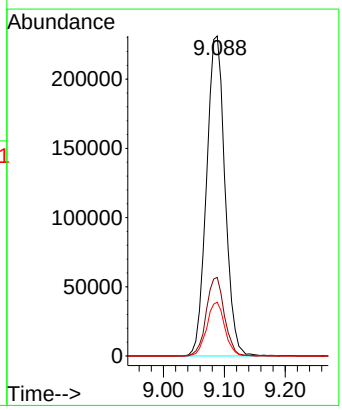


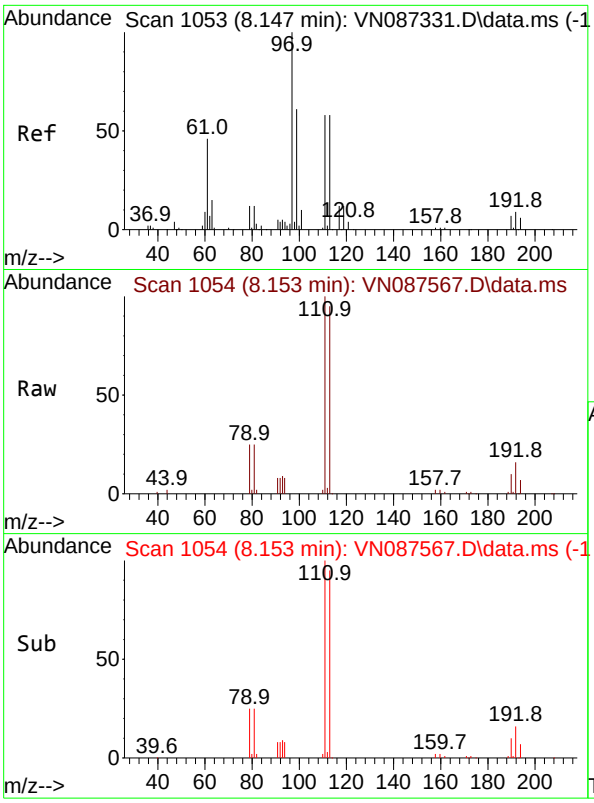


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:114 Resp: 486591

Ion	Ratio	Lower	Upper
114	100		
63	24.5	0.0	44.6
88	16.8	0.0	32.8



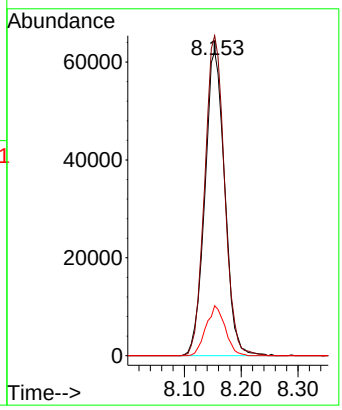


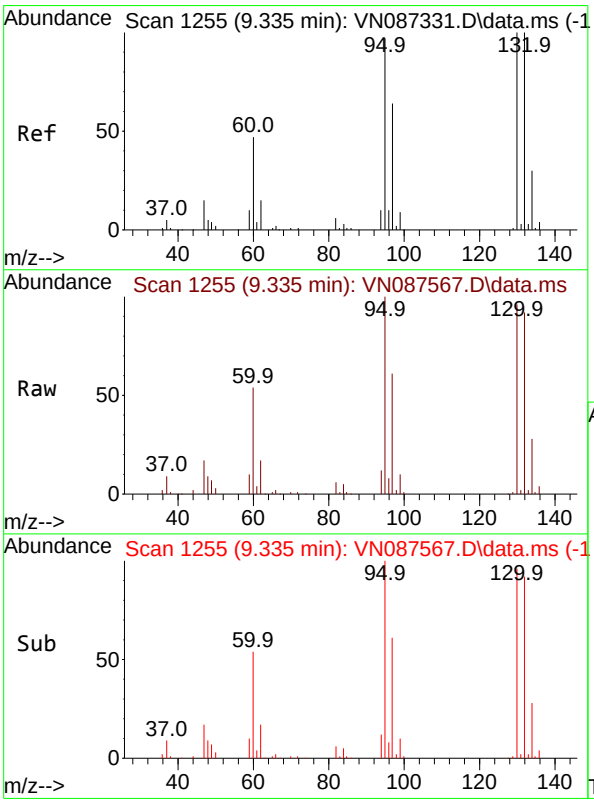
#35
Dibromofluoromethane
Concen: 45.108 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion:113 Resp: 151404

Ion	Ratio	Lower	Upper
113	100		
111	104.3	82.5	123.7
192	15.8	13.7	20.5

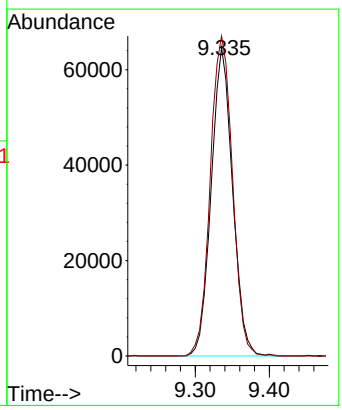


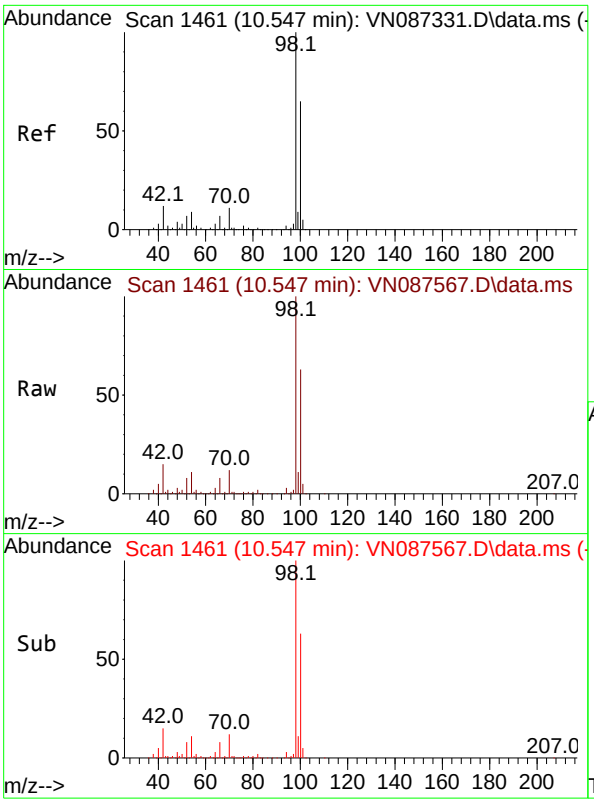


#44
Trichloroethene
Concen: 38.140 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:130 Resp: 129163

Ion	Ratio	Lower	Upper
130	100		
95	103.7	0.0	195.2



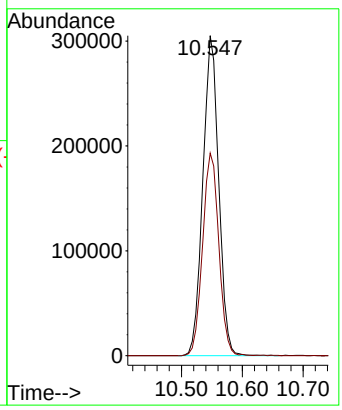


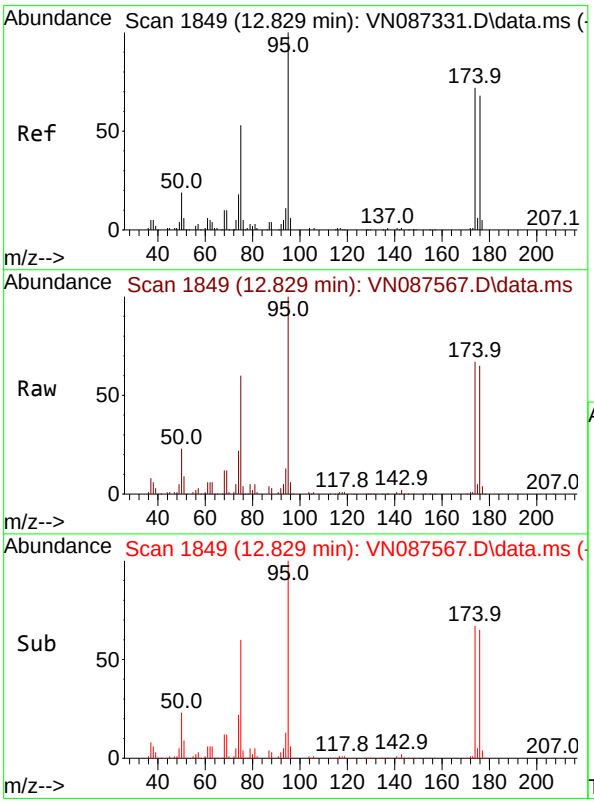
#50
Toluene-d8
Concen: 46.014 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion: 98 Resp: 550924

Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.1	78.1

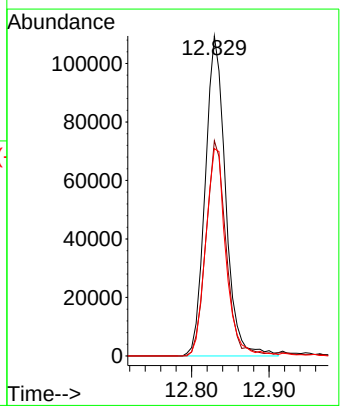


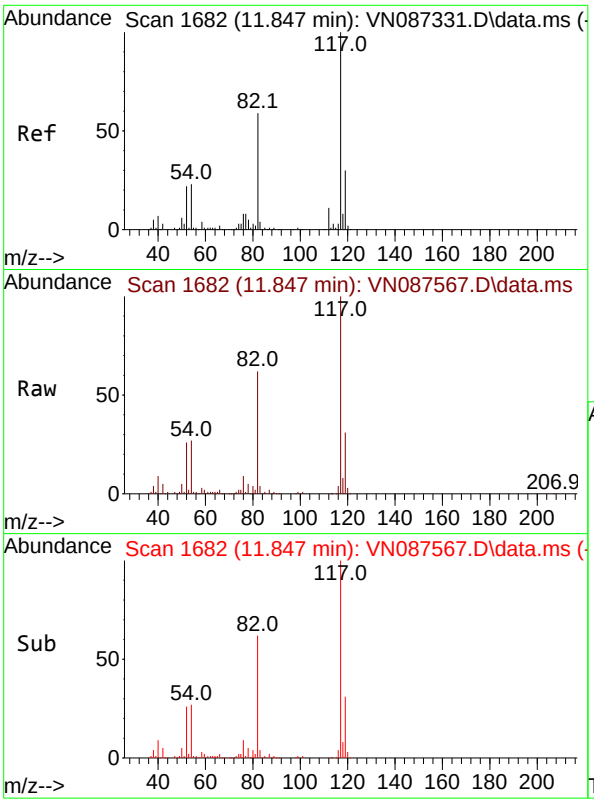


#62
4-Bromofluorobenzene
Concen: 45.043 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion: 95 Resp: 199247

Ion	Ratio	Lower	Upper
95	100		
174	66.4	0.0	149.4
176	64.9	0.0	141.2



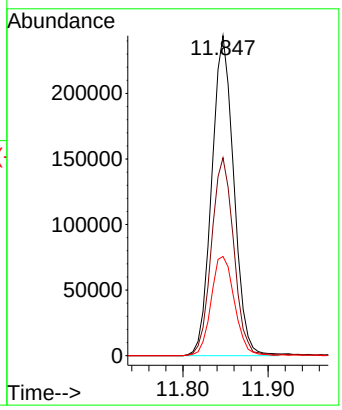


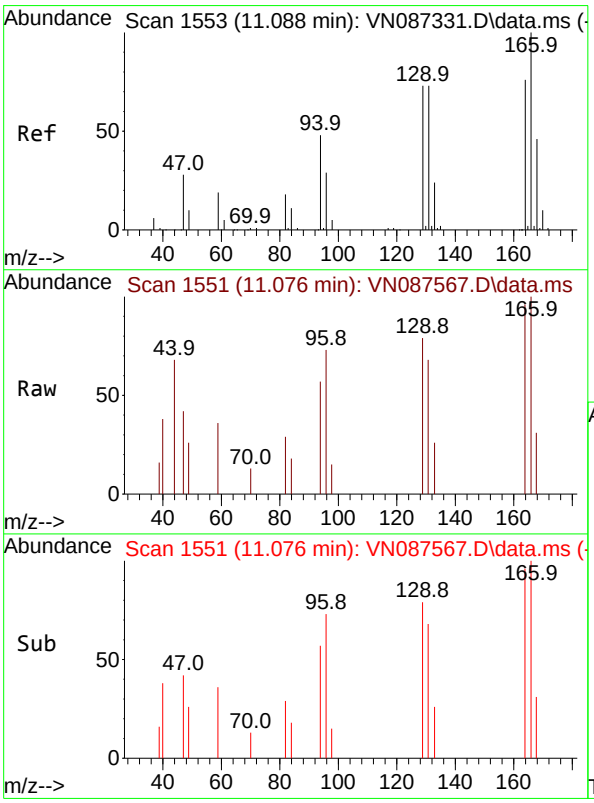
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion:117 Resp: 438933

Ion	Ratio	Lower	Upper
117	100		
82	61.8	47.4	71.2
119	31.0	23.8	35.8

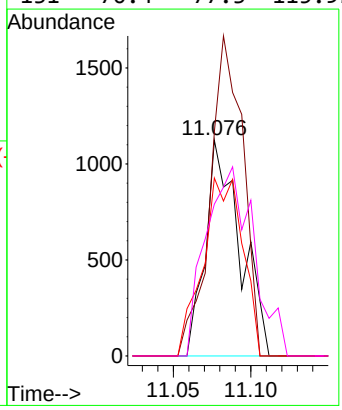


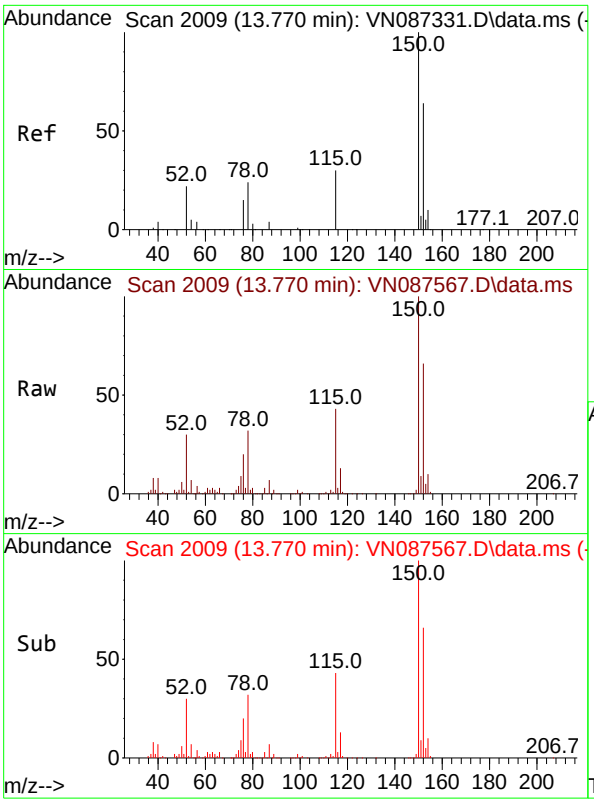


#64
Tetrachloroethene
Concen: 0.618 ug/l
RT: 11.076 min Scan# 1551
Delta R.T. -0.012 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Tgt Ion:164 Resp: 1746

Ion	Ratio	Lower	Upper
164	100		
166	103.9	105.5	158.3#
129	82.5	77.4	116.2
131	70.4	77.3	115.9#



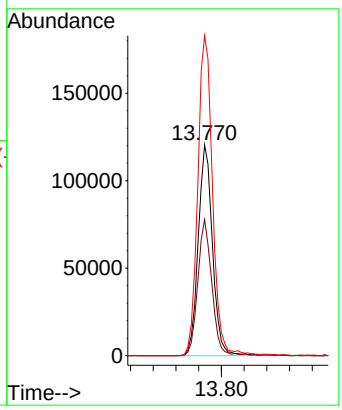


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087567.D
Acq: 14 Aug 2025 15:42

Instrument :
MSVOA_N
ClientSampleId :
RMW-02B-66.3-08122025

Tgt Ion:152 Resp: 211146

Ion	Ratio	Lower	Upper
152	100		
115	63.3	31.1	93.5
150	156.0	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087568.D
Acq On : 14 Aug 2025 16:04
Operator : JC\MD
Sample : Q2842-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Quant Time: Aug 14 19:59:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

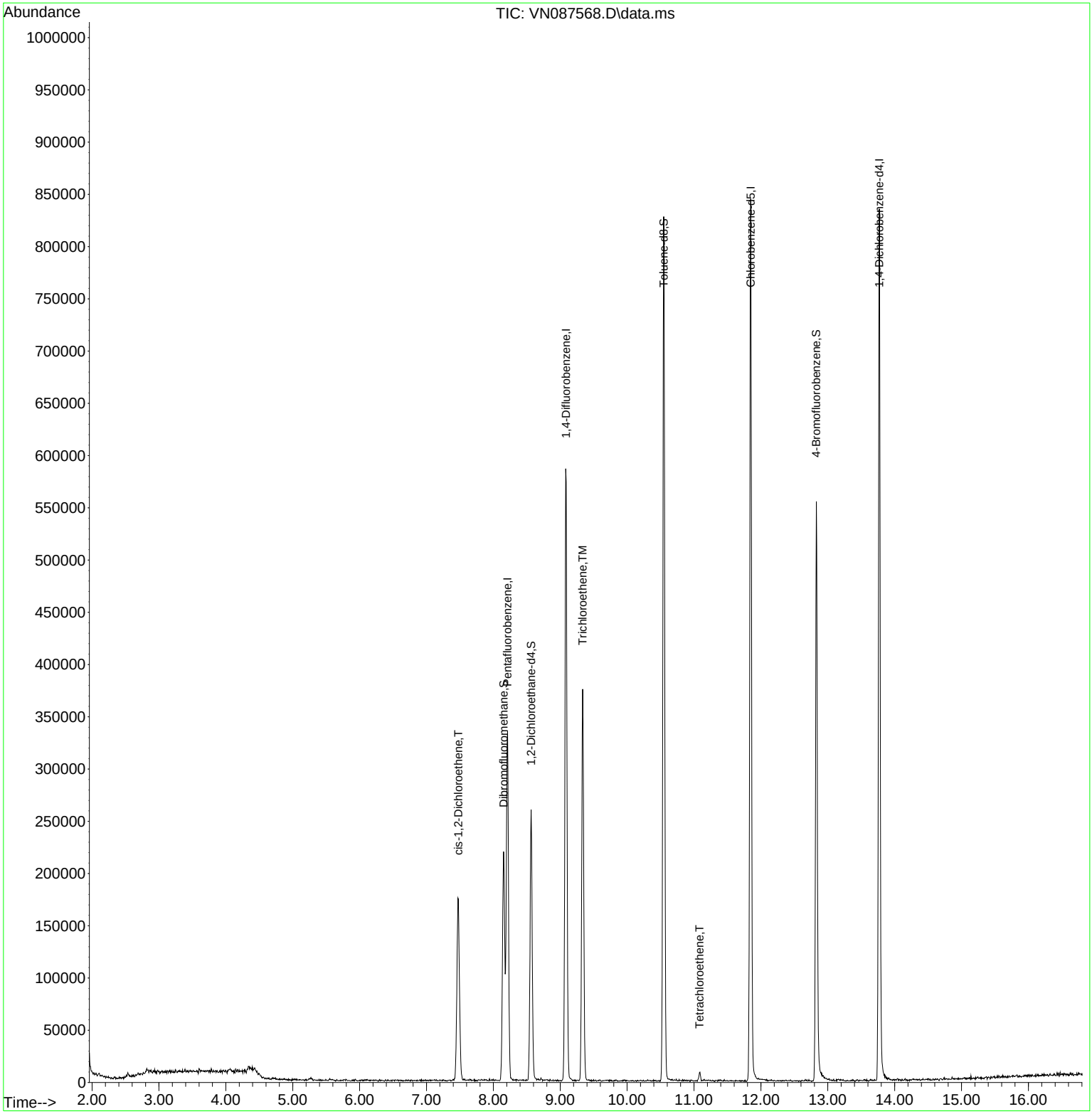
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	219937	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.088	114	487780	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	455235	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	209426	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	211074	56.560	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.120%			
35) Dibromofluoromethane	8.153	113	151622	45.062	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 90.120%			
50) Toluene-d8	10.547	98	557660	46.463	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.920%			
62) 4-Bromofluorobenzene	12.829	95	201626	45.470	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.940%			
Target Compounds						Qvalue
27) cis-1,2-Dichloroethene	7.477	96	99130	30.410	ug/l	93
44) Trichloroethene	9.335	130	123655	36.424	ug/l	98
64) Tetrachloroethene	11.082	164	1650	0.563	ug/l #	81

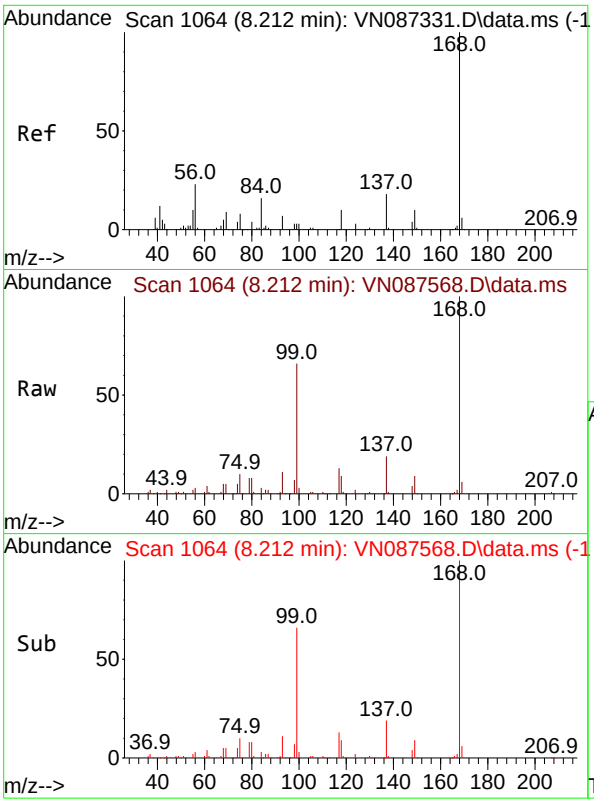
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087568.D
Acq On : 14 Aug 2025 16:04
Operator : JC\MD
Sample : Q2842-03 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Quant Time: Aug 14 19:59:47 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



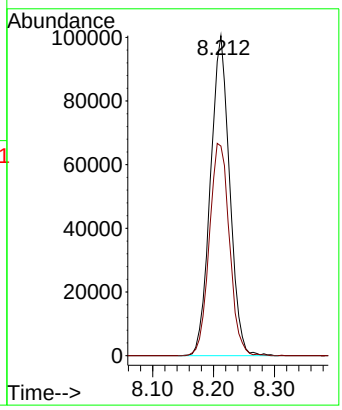


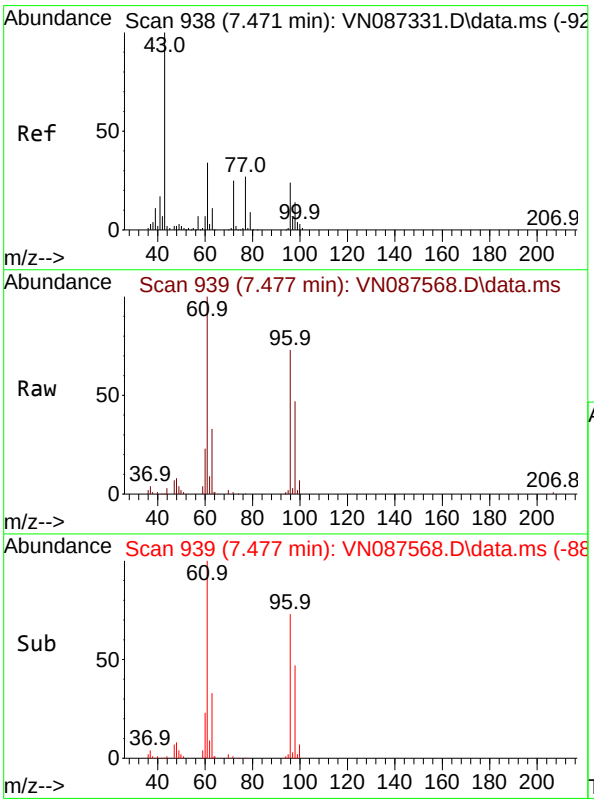
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion:168 Resp: 219937

Ion	Ratio	Lower	Upper
168	100		
99	65.5	47.9	71.9

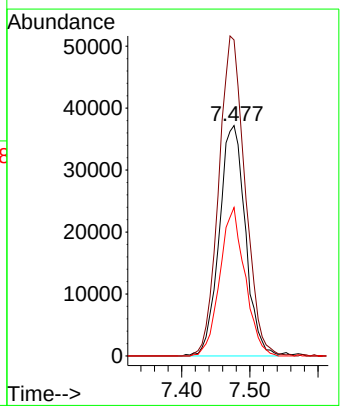


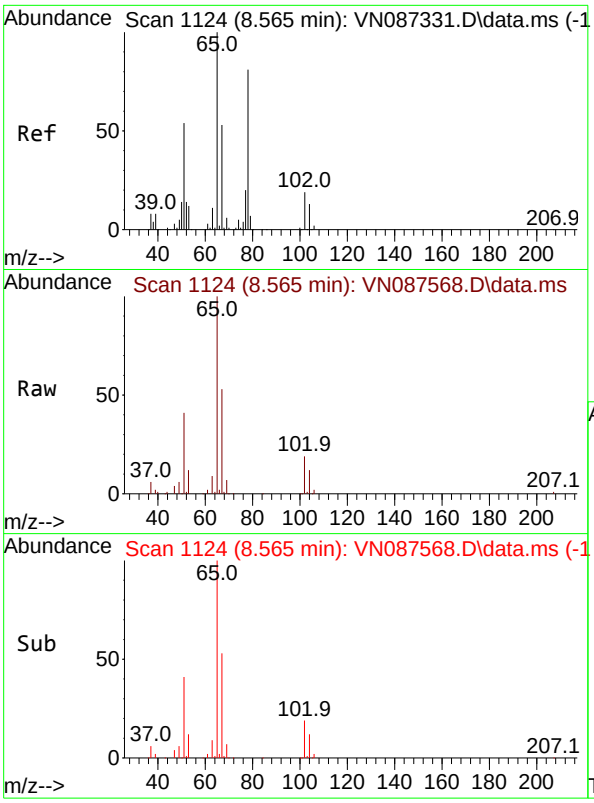


#27
cis-1,2-Dichloroethene
Concen: 30.410 ug/l
RT: 7.477 min Scan# 939
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 96 Resp: 99130

Ion	Ratio	Lower	Upper
96	100		
61	139.9	0.0	297.8
98	62.0	0.0	132.4



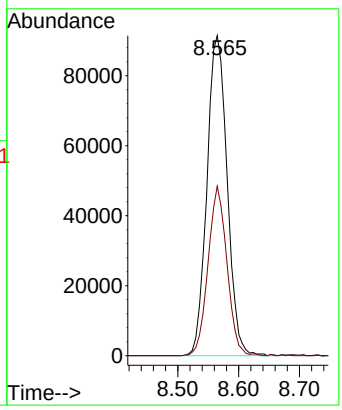


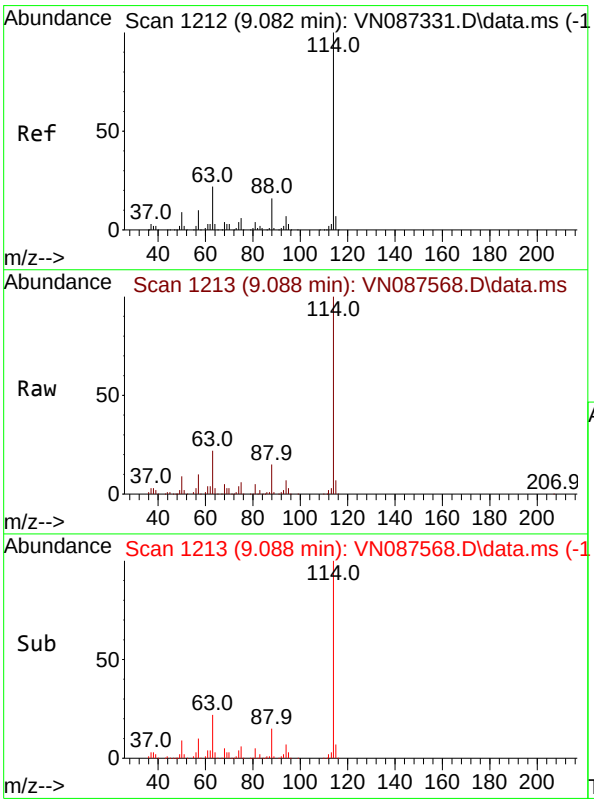
#33
1,2-Dichloroethane-d4
Concen: 56.560 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion: 65 Resp: 211074

Ion	Ratio	Lower	Upper
65	100		
67	49.4	0.0	104.0

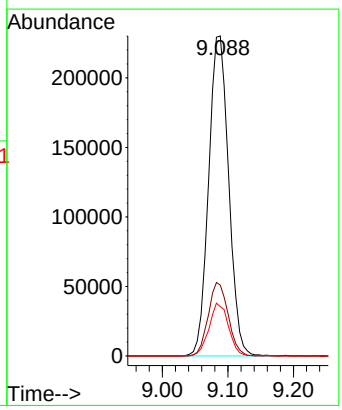


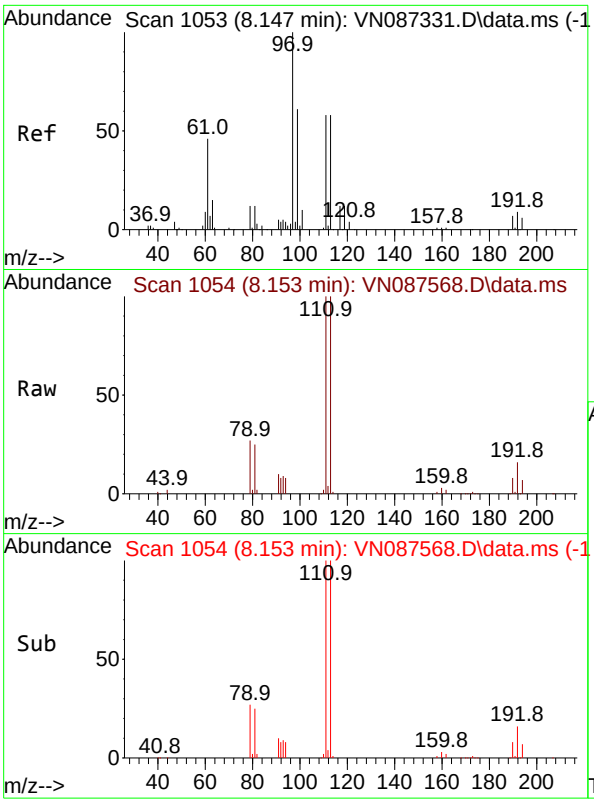


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:114 Resp: 487780

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	44.6
88	15.4	0.0	32.8



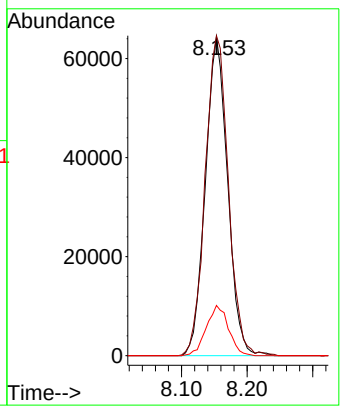


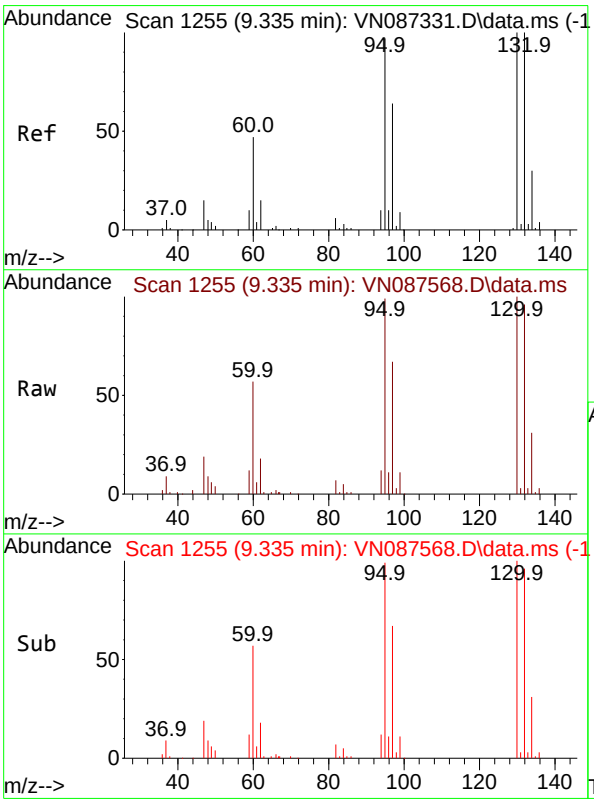
#35
Dibromofluoromethane
Concen: 45.062 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion:113 Resp: 151622

Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.5	123.7
192	15.7	13.7	20.5

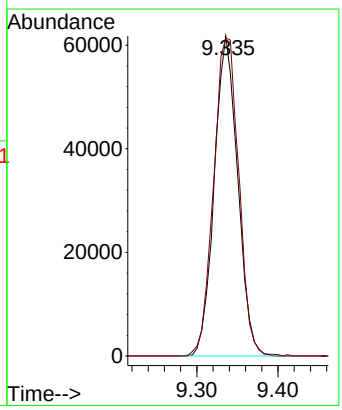


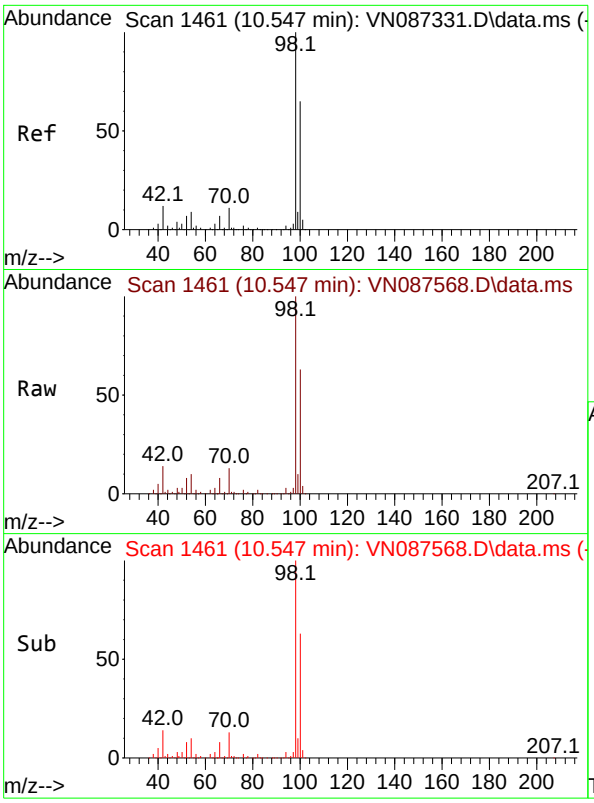


#44
Trichloroethene
Concen: 36.424 ug/l
RT: 9.335 min Scan# 1255
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:130 Resp: 123655

Ion	Ratio	Lower	Upper
130	100		
95	99.4	0.0	195.2



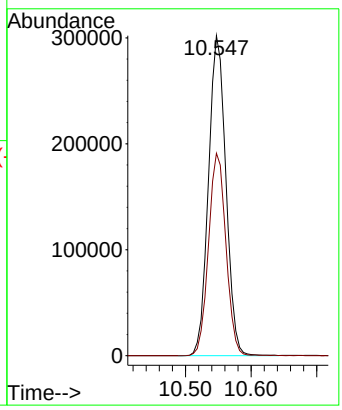


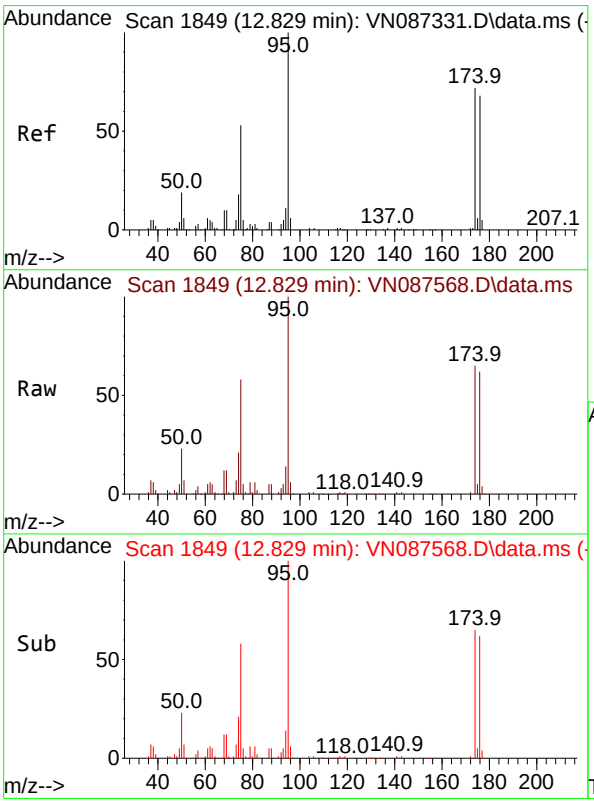
#50
Toluene-d8
Concen: 46.463 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion: 98 Resp: 557660

Ion	Ratio	Lower	Upper
98	100		
100	63.3	52.1	78.1

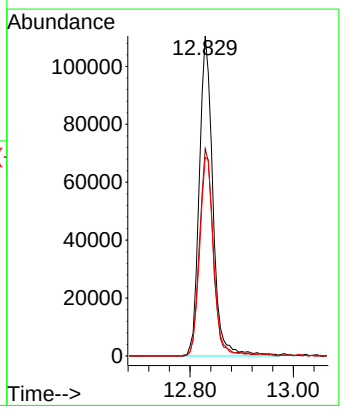


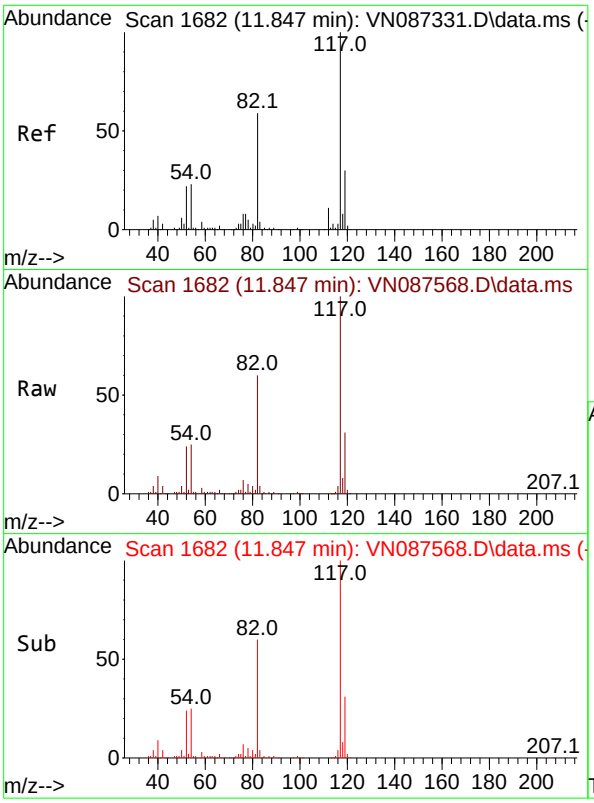


#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion: 95 Resp: 201626

Ion	Ratio	Lower	Upper
95	100		
174	65.3	0.0	149.4
176	63.8	0.0	141.2



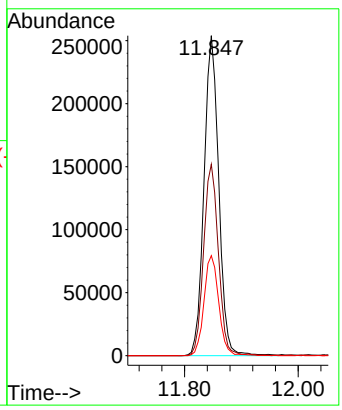


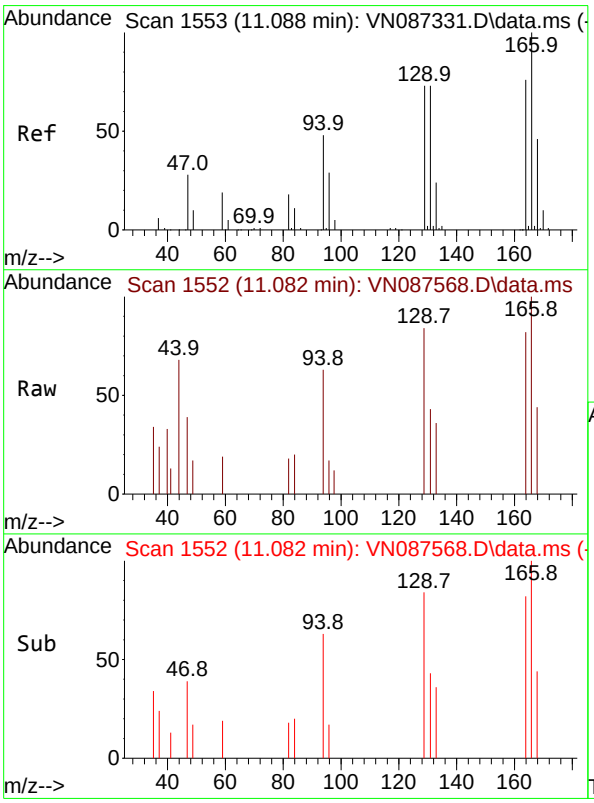
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion:117 Resp: 455235

Ion	Ratio	Lower	Upper
117	100		
82	59.8	47.4	71.2
119	31.3	23.8	35.8

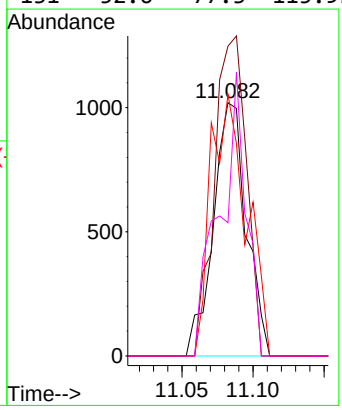


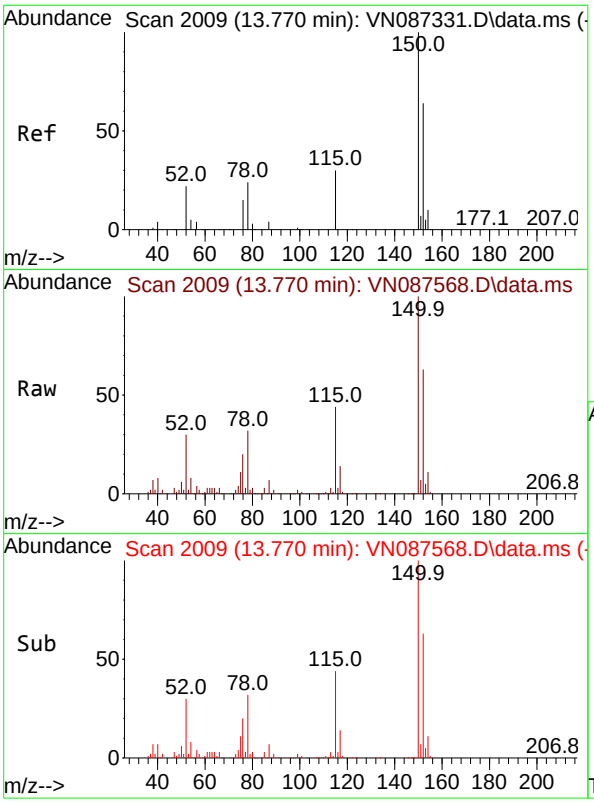


#64
Tetrachloroethene
Concen: 0.563 ug/l
RT: 11.082 min Scan# 1552
Delta R.T. -0.006 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Tgt Ion:164 Resp: 1650

Ion	Ratio	Lower	Upper
164	100		
166	122.4	105.5	158.3
129	103.2	77.4	116.2
131	52.6	77.3	115.9#



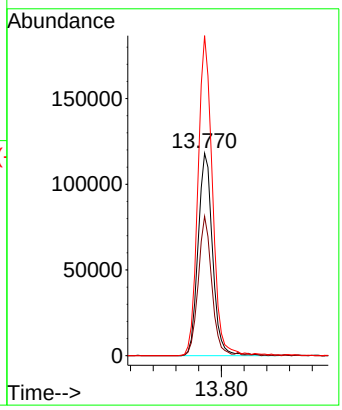


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087568.D
Acq: 14 Aug 2025 16:04

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-08122025

Tgt Ion:152 Resp: 209426

Ion	Ratio	Lower	Upper
152	100		
115	64.3	31.1	93.5
150	157.1	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087565.D
Acq On : 14 Aug 2025 14:58
Operator : JC\MD
Sample : Q2842-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Quant Time: Aug 14 15:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

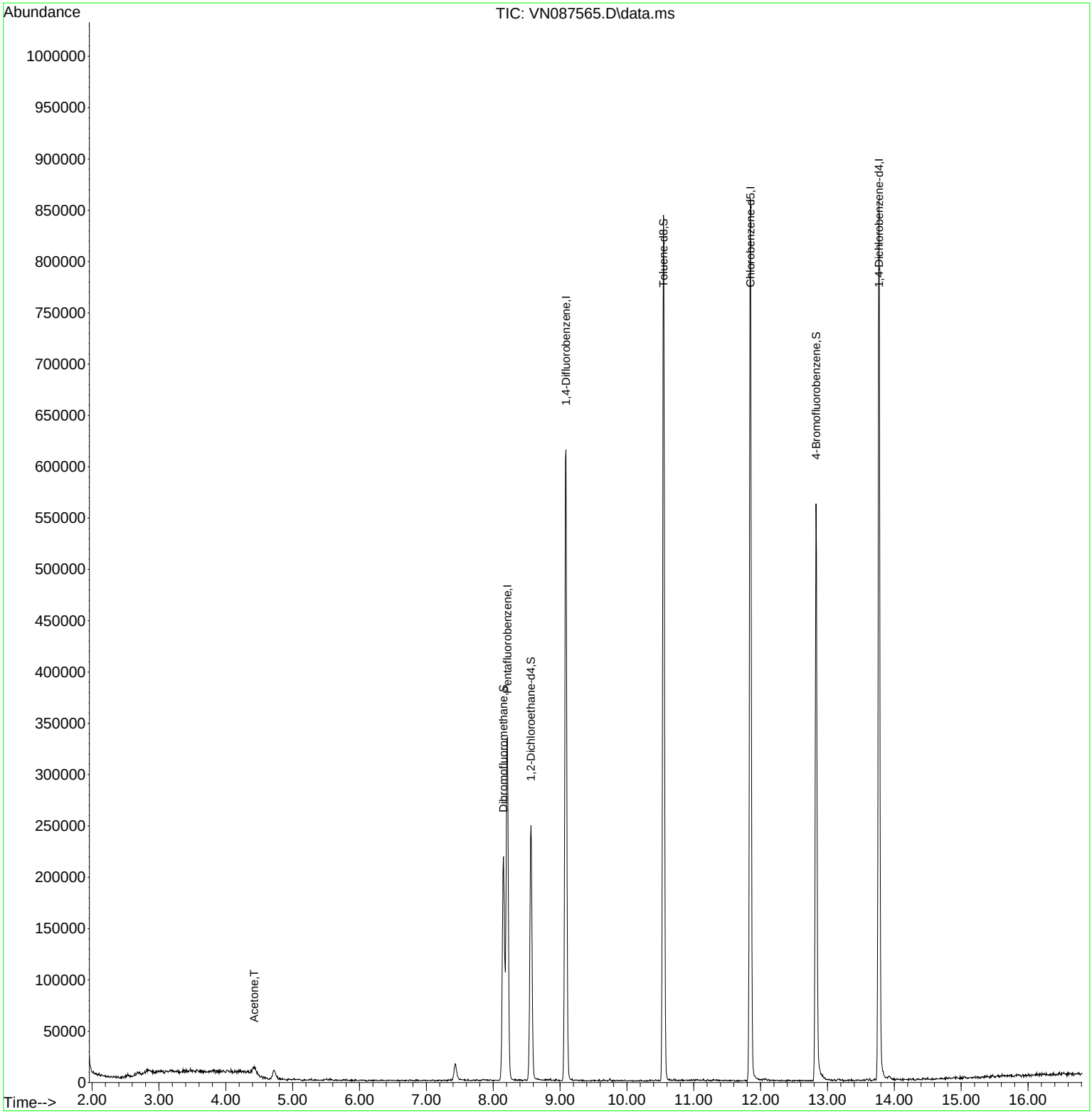
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	224412	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.088	114	498664	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	458661	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	214662	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	209873	55.117	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.240%			
35) Dibromofluoromethane	8.153	113	154326	44.865	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 89.740%			
50) Toluene-d8	10.547	98	559384	45.589	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.180%			
62) 4-Bromofluorobenzene	12.829	95	200248	44.173	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.340%			
Target Compounds						Qvalue
16) Acetone	4.424	43	8905	4.988	ug/l	# 88

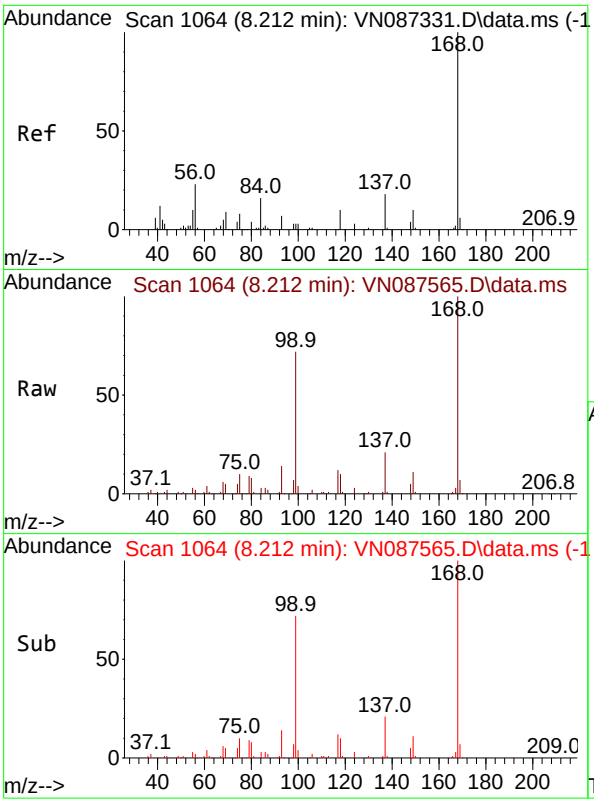
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087565.D
Acq On : 14 Aug 2025 14:58
Operator : JC\MD
Sample : Q2842-08
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Quant Time: Aug 14 15:25:26 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



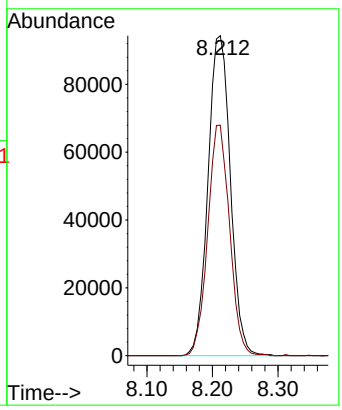


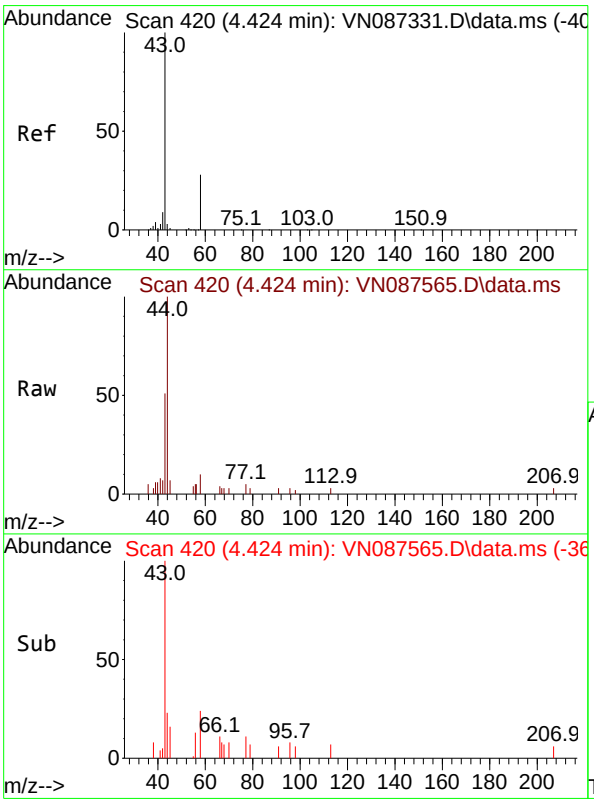
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.212 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:168 Resp: 224412

Ion	Ratio	Lower	Upper
168	100		
99	72.0	47.9	71.9#

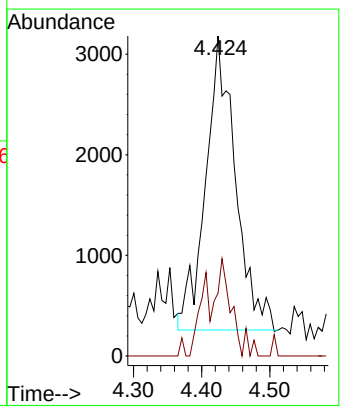


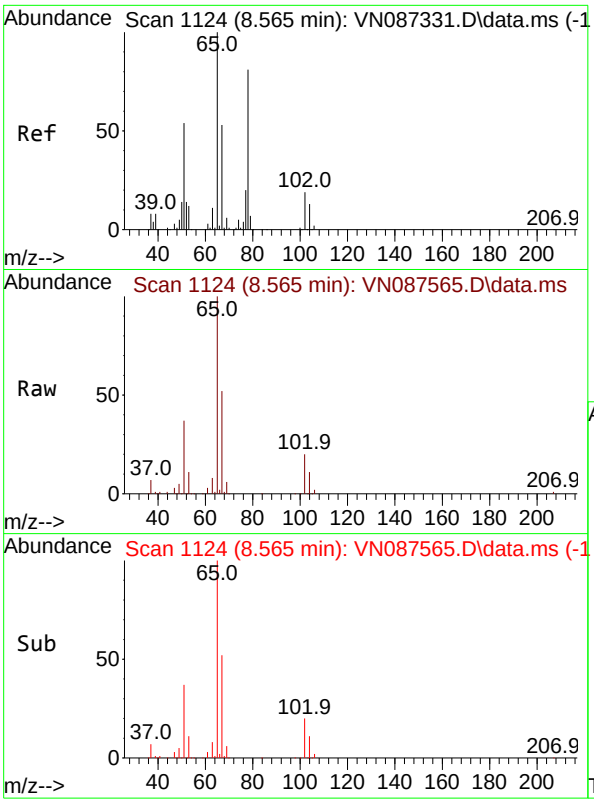


#16
Acetone
Concen: 4.988 ug/l
RT: 4.424 min Scan# 420
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 43 Resp: 8905

Ion	Ratio	Lower	Upper
43	100		
58	21.4	22.3	33.5#



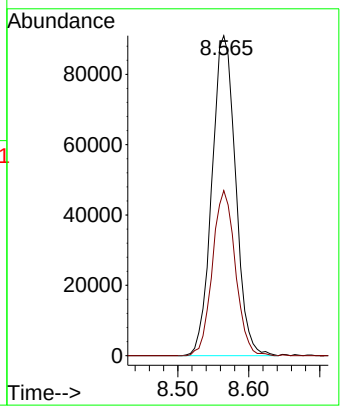


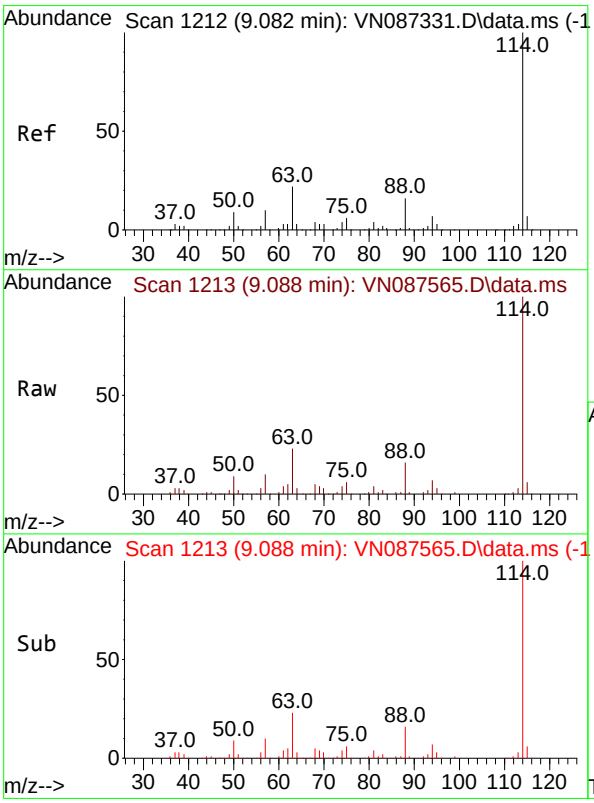
#33
1,2-Dichloroethane-d4
Concen: 55.117 ug/l
RT: 8.565 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion: 65 Resp: 209873

Ion	Ratio	Lower	Upper
65	100		
67	50.1	0.0	104.0

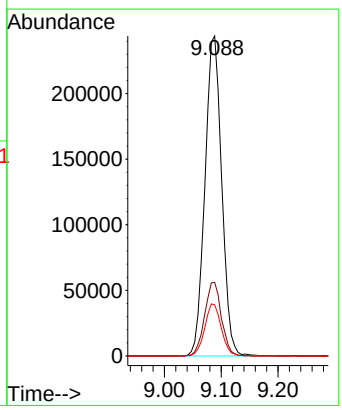


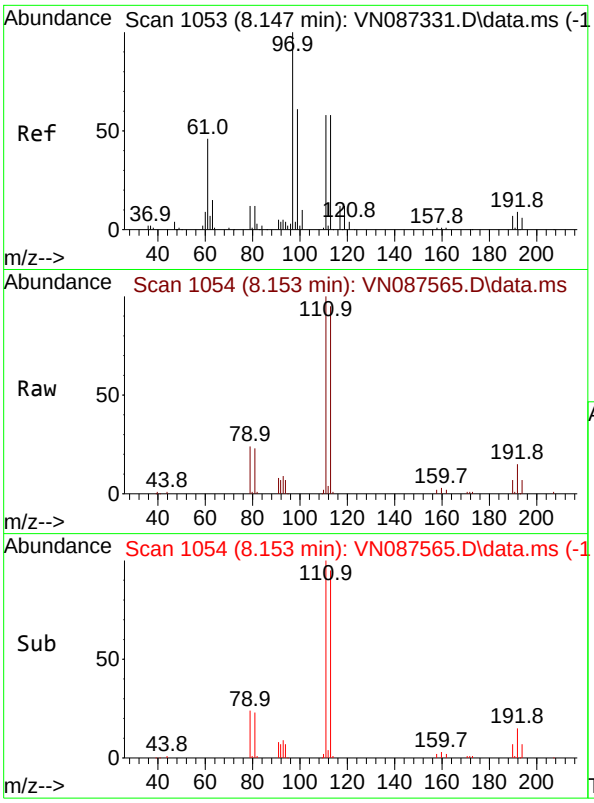


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.088 min Scan# 1213
Delta R.T. 0.006 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion:114 Resp: 498664

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	44.6
88	16.0	0.0	32.8



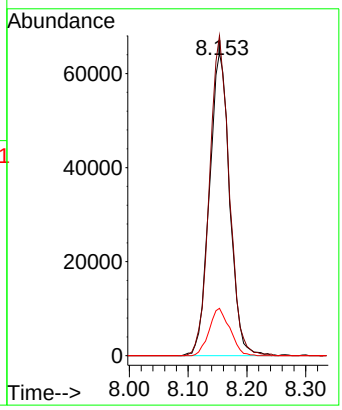


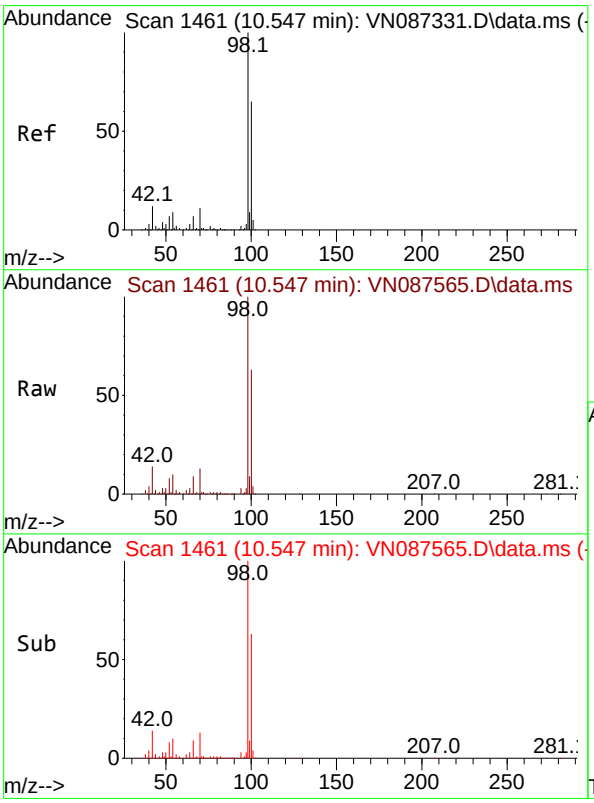
#35
Dibromofluoromethane
Concen: 44.865 ug/l
RT: 8.153 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:113 Resp: 154326

Ion	Ratio	Lower	Upper
113	100		
111	103.2	82.5	123.7
192	15.9	13.7	20.5

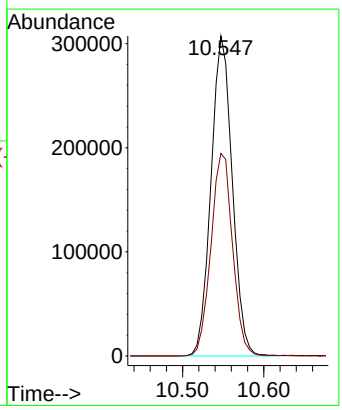


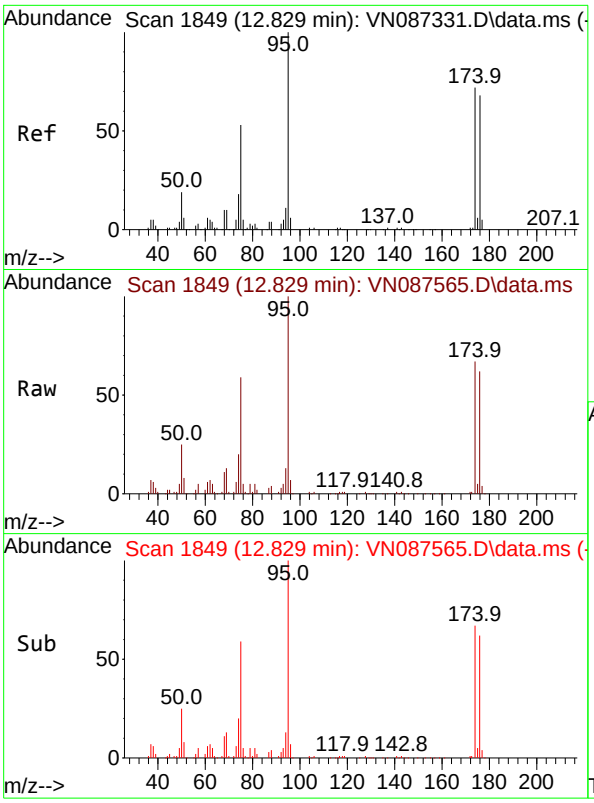


#50
Toluene-d8
Concen: 45.589 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion: 98 Resp: 559384

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.1	78.1



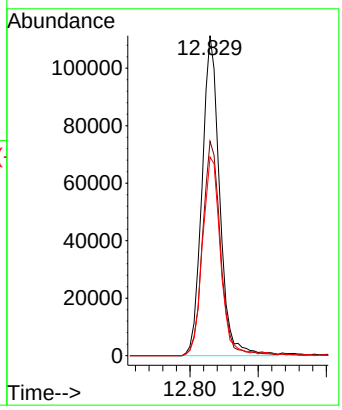


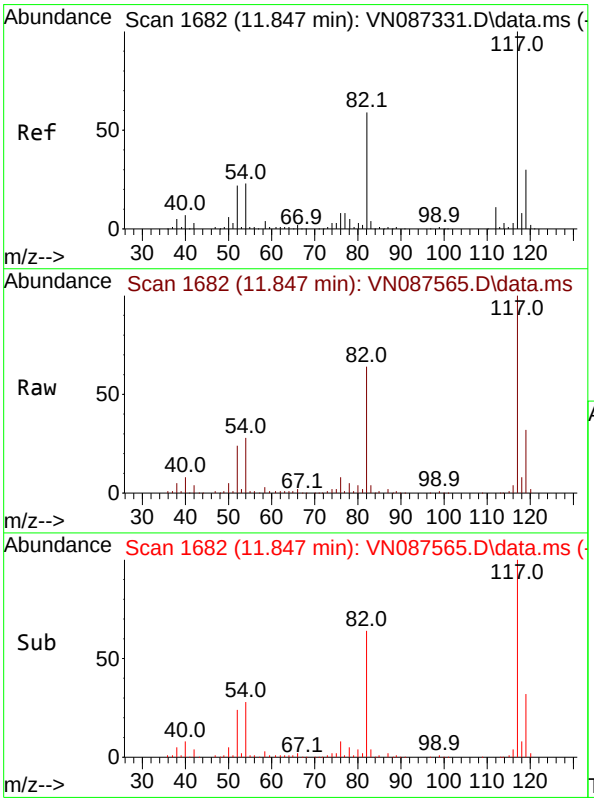
#62
4-Bromofluorobenzene
Concen: 44.173 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion: 95 Resp: 200248

Ion	Ratio	Lower	Upper
95	100		
174	68.6	0.0	149.4
176	63.7	0.0	141.2

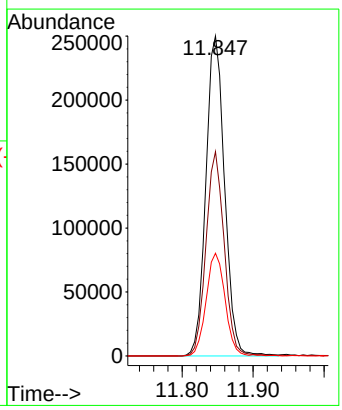


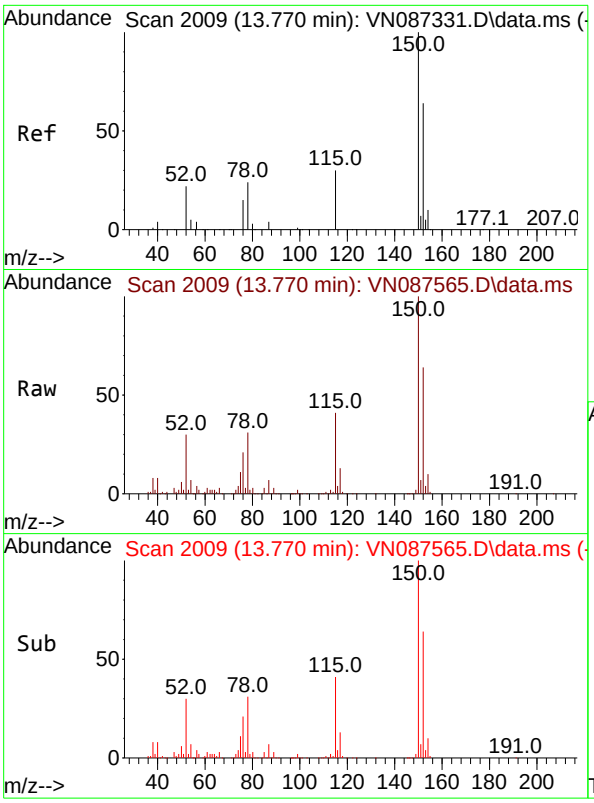


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. -0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Tgt Ion:117 Resp: 458661

Ion	Ratio	Lower	Upper
117	100		
82	63.8	47.4	71.2
119	32.1	23.8	35.8



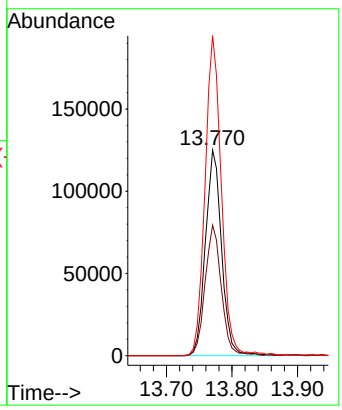


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.000 min
Lab File: VN087565.D
Acq: 14 Aug 2025 14:58

Instrument :
MSVOA_N
ClientSampleId :
TB01-081225

Tgt Ion:152 Resp: 214662

Ion	Ratio	Lower	Upper
152	100		
115	64.0	31.1	93.5
150	156.9	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087554.D
Acq On : 14 Aug 2025 10:32
Operator : JC\MD
Sample : VN0814WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	284398	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	560321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	503771	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	234765	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	255137	52.871	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.740%			
35) Dibromofluoromethane	8.153	113	170840	44.201	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 88.400%			
50) Toluene-d8	10.547	98	608969	44.169	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 88.340%			
62) 4-Bromofluorobenzene	12.829	95	222642	43.709	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 87.420%			
Target Compounds						Qvalue

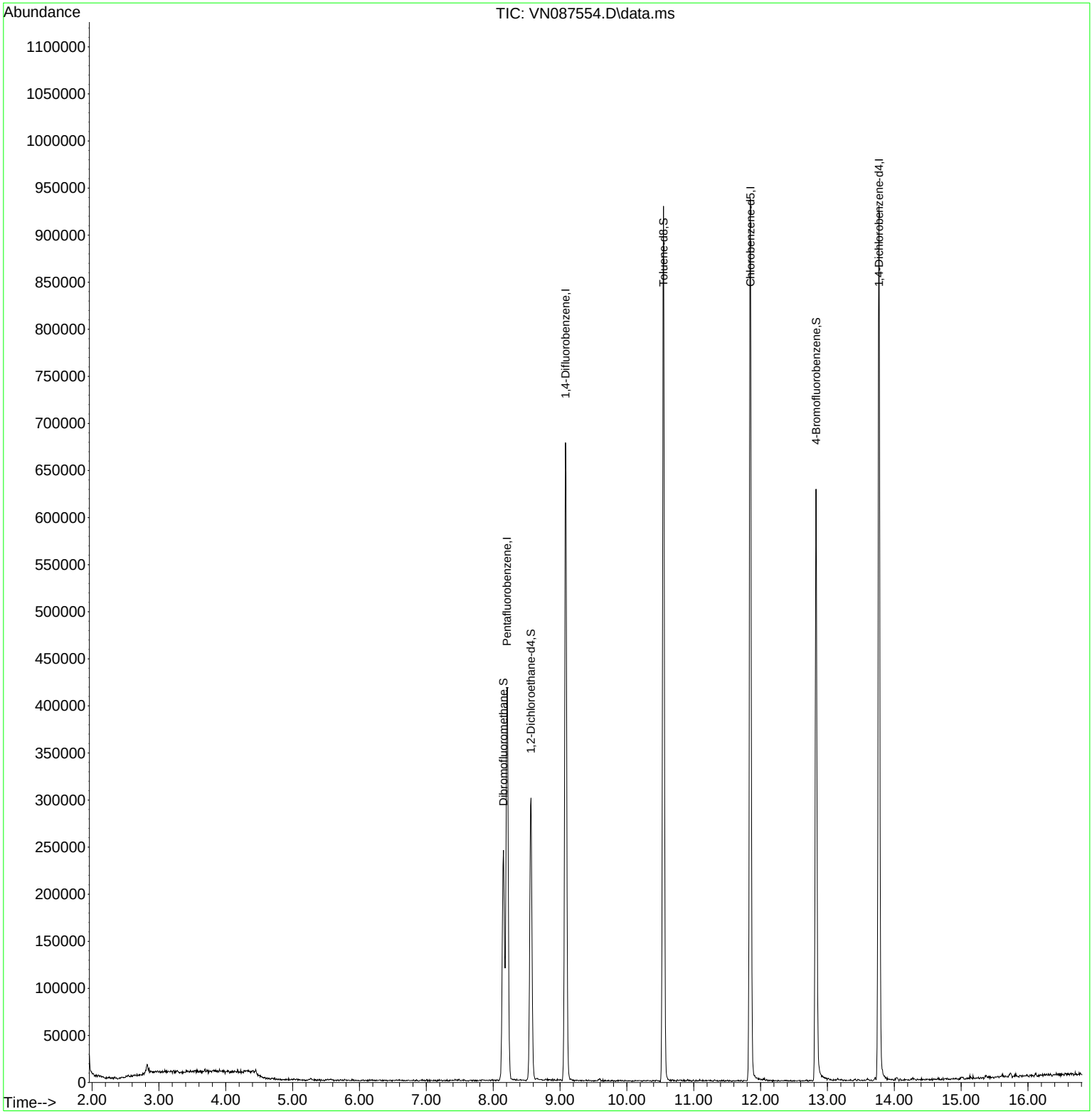
(#) = qualifier out of range (m) = manual integration (+) = signals summed

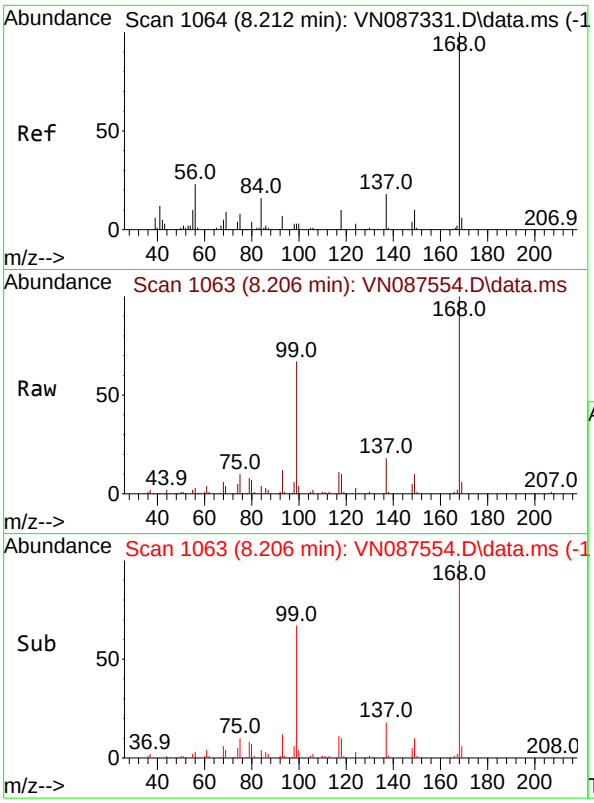
Sample Results: **VN087554.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087554.D
Acq On : 14 Aug 2025 10:32
Operator : JC\MD
Sample : VN0814WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Quant Time: Aug 14 15:23:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration



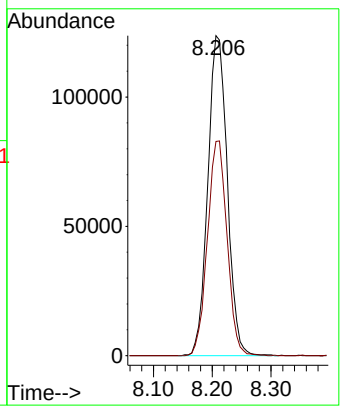


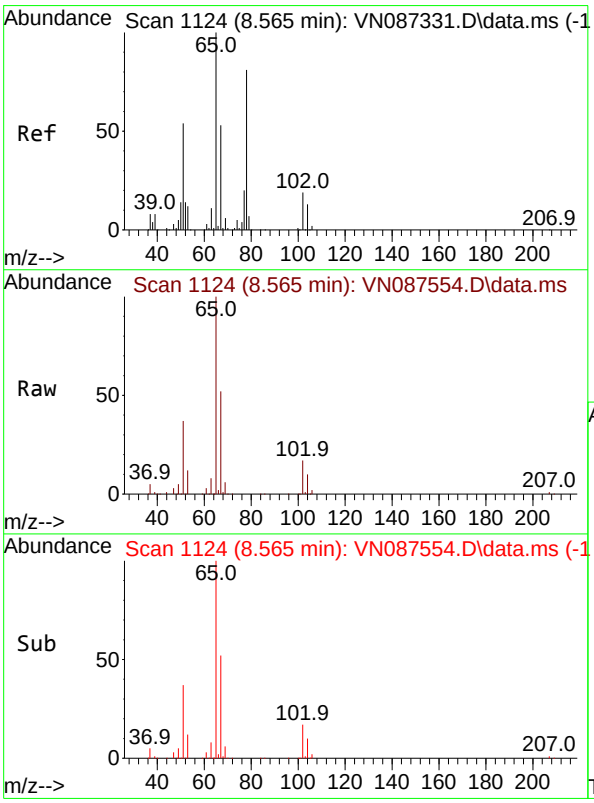
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:168 Resp: 284398

Ion	Ratio	Lower	Upper
168	100		
99	67.0	47.9	71.9

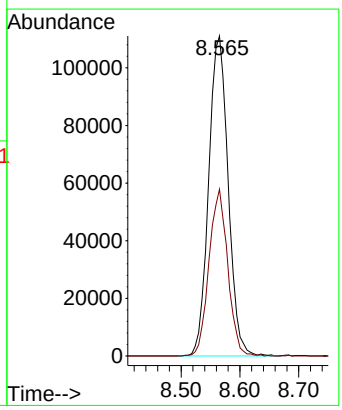


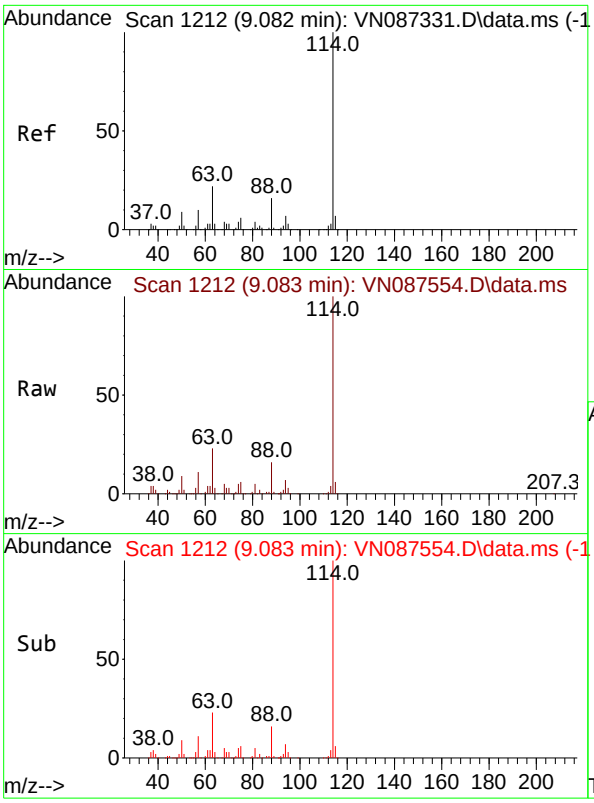


#33
1,2-Dichloroethane-d4
Concen: 52.871 ug/l
RT: 8.565 min Scan# 1124
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 65 Resp: 255137

Ion	Ratio	Lower	Upper
65	100		
67	50.2	0.0	104.0



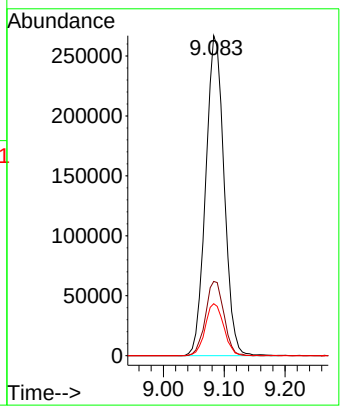


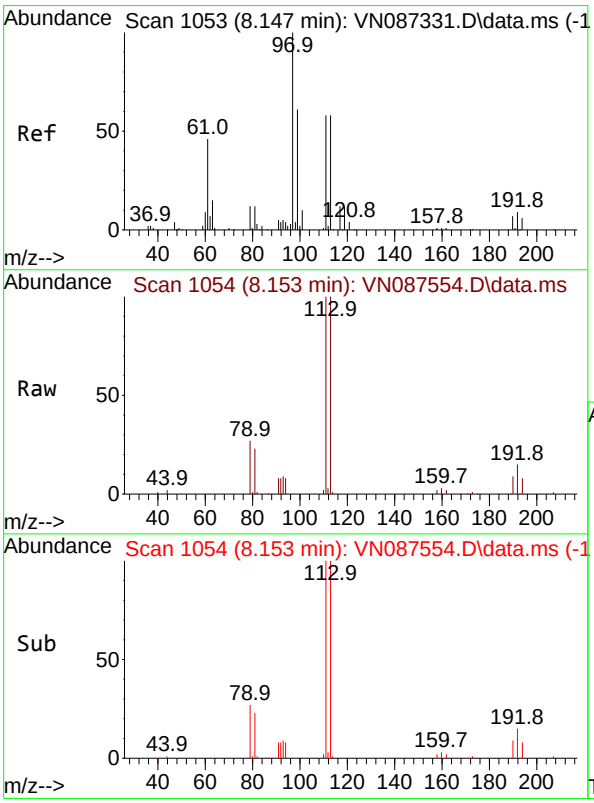
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.001 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:114 Resp: 560321

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	44.6
88	16.3	0.0	32.8

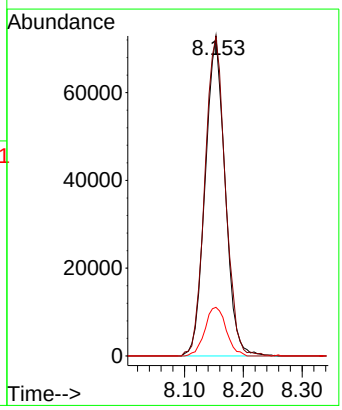


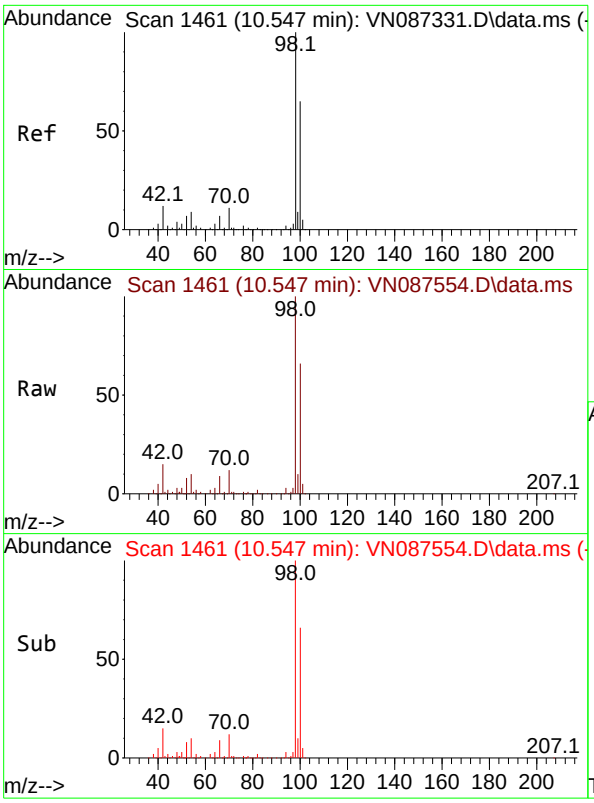


#35
Dibromofluoromethane
Concen: 44.201 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. 0.006 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion:113 Resp: 170840

Ion	Ratio	Lower	Upper
113	100		
111	103.1	82.5	123.7
192	16.3	13.7	20.5



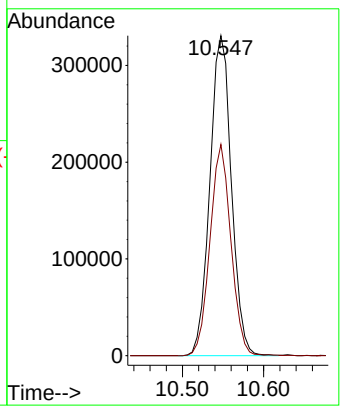


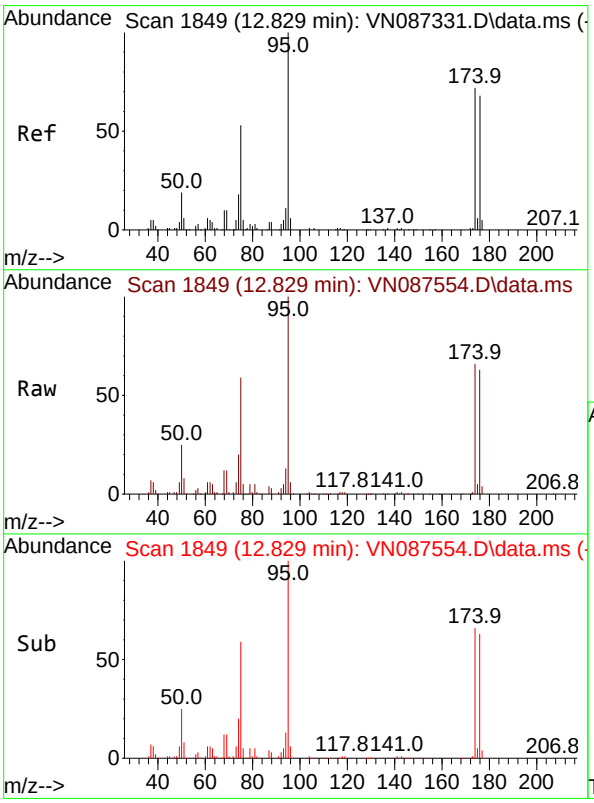
#50
Toluene-d8
Concen: 44.169 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion: 98 Resp: 608969

Ion	Ratio	Lower	Upper
98	100		
100	64.2	52.1	78.1

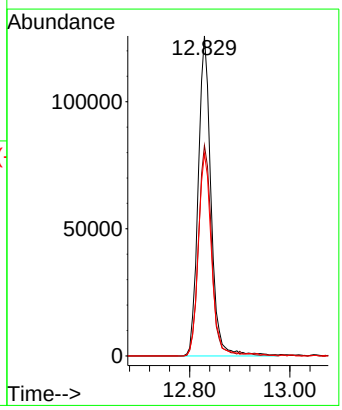


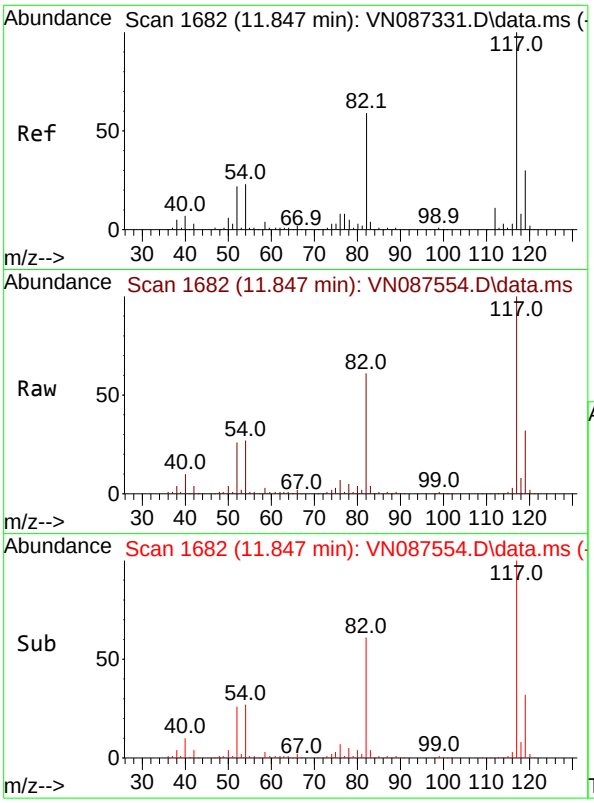


#62
4-Bromofluorobenzene
Concen: 43.709 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion: 95 Resp: 222642

Ion	Ratio	Lower	Upper
95	100		
174	66.5	0.0	149.4
176	64.9	0.0	141.2



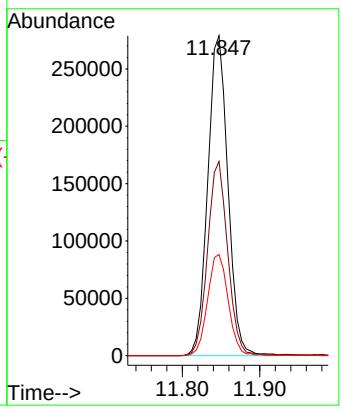


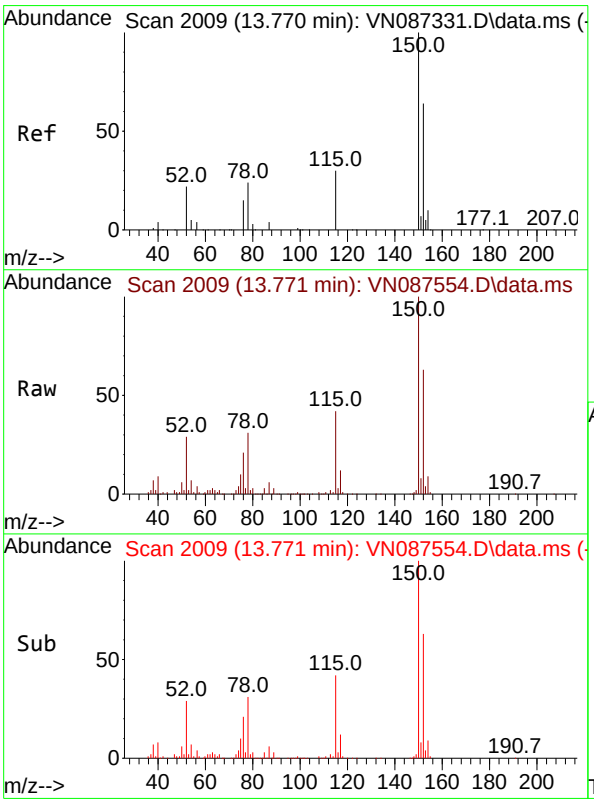
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBL01

Tgt Ion:117 Resp: 503771

Ion	Ratio	Lower	Upper
117	100		
82	60.7	47.4	71.2
119	31.6	23.8	35.8

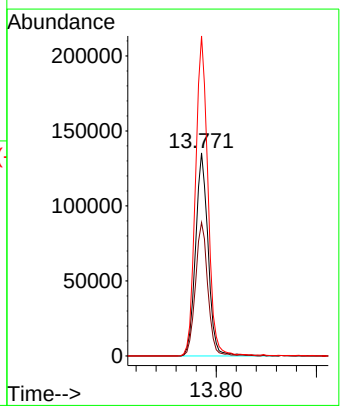




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN087554.D
Acq: 14 Aug 2025 10:32

Tgt Ion:152 Resp: 234765

Ion	Ratio	Lower	Upper
152	100		
115	64.5	31.1	93.5
150	156.1	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	250453	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	485218	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	446518	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	221983	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	244982	57.648	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 115.300%			
35) Dibromofluoromethane	8.153	113	169668	50.692	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.380%			
50) Toluene-d8	10.547	98	605258	50.695	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.380%			
62) 4-Bromofluorobenzene	12.829	95	233458	52.926	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.860%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	60972	22.921	ug/l	92
3) Chloromethane	2.383	50	64803	19.372	ug/l	100
4) Vinyl Chloride	2.542	62	71080	21.381	ug/l	99
5) Bromomethane	2.983	94	38871	22.579	ug/l	96
6) Chloroethane	3.136	64	47553	21.934	ug/l	92
7) Trichlorofluoromethane	3.506	101	103028	20.959	ug/l	98
8) Diethyl Ether	3.965	74	45341	23.778	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.359	101	56020	22.200	ug/l	96
10) Methyl Iodide	4.571	142	33911	17.223	ug/l	89
11) Tert butyl alcohol	5.530	59	92129	114.174	ug/l	97
12) 1,1-Dichloroethene	4.336	96	58932	20.609	ug/l	91
13) Acrolein	4.177	56	52972	81.801	ug/l	95
14) Allyl chloride	5.012	41	106153	20.512	ug/l	91
15) Acrylonitrile	5.706	53	228245	104.238	ug/l	97
16) Acetone	4.430	43	234225	117.551	ug/l	98
17) Carbon Disulfide	4.700	76	152230	17.956	ug/l	97
18) Methyl Acetate	5.024	43	120344	24.040	ug/l	98
19) Methyl tert-butyl Ether	5.794	73	247283	23.461	ug/l	98
20) Methylene Chloride	5.259	84	73232	21.375	ug/l	96
21) trans-1,2-Dichloroethene	5.777	96	62532	19.394	ug/l	92
22) Diisopropyl ether	6.659	45	247597	22.809	ug/l	95
23) Vinyl Acetate	6.588	43	1129441	118.964	ug/l	100
24) 1,1-Dichloroethane	6.559	63	135050	21.564	ug/l	97
25) 2-Butanone	7.477	43	332813	108.103	ug/l	95
26) 2,2-Dichloropropane	7.477	77	115630	23.748	ug/l	97
27) cis-1,2-Dichloroethene	7.477	96	78759	21.217	ug/l	94
28) Bromochloromethane	7.800	49	75409	25.159	ug/l	95
29) Tetrahydrofuran	7.829	42	208941	104.471	ug/l	98
30) Chloroform	7.953	83	140698	22.445	ug/l	99
31) Cyclohexane	8.241	56	111696	21.380	ug/l	97
32) 1,1,1-Trichloroethane	8.153	97	115982	21.362	ug/l	96
36) 1,1-Dichloropropene	8.353	75	90752	20.523	ug/l	97
37) Ethyl Acetate	7.547	43	131078	20.524	ug/l	98
38) Carbon Tetrachloride	8.347	117	93434	19.181	ug/l	96
39) Methylcyclohexane	9.582	83	96372	20.130	ug/l	93
40) Benzene	8.588	78	289566	20.261	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	66759	19.992	ug/l		95
42) 1,2-Dichloroethane	8.659	62	116694	21.531	ug/l		97
43) Isopropyl Acetate	8.676	43	215090	21.696	ug/l		98
44) Trichloroethene	9.335	130	64743	19.172	ug/l		82
45) 1,2-Dichloropropane	9.606	63	74233	20.442	ug/l		94
46) Dibromomethane	9.688	93	56540	20.795	ug/l		94
47) Bromodichloromethane	9.871	83	112437	20.530	ug/l		99
48) Methyl methacrylate	9.665	41	98225	22.008	ug/l		95
49) 1,4-Dioxane	9.688	88	30568	447.176	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	661207	105.450	ug/l		98
52) Toluene	10.612	92	177586	20.443	ug/l		97
53) t-1,3-Dichloropropene	10.818	75	116338	20.990	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	116909	20.420	ug/l	#	82
55) 1,1,2-Trichloroethane	10.994	97	72631	20.652	ug/l		92
56) Ethyl methacrylate	10.859	69	120174	21.091	ug/l	#	93
57) 1,3-Dichloropropane	11.141	76	128302	21.100	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	328582	113.893	ug/l		98
59) 2-Hexanone	11.182	43	431325	103.681	ug/l		98
60) Dibromochloromethane	11.335	129	76256	19.012	ug/l		98
61) 1,2-Dibromoethane	11.447	107	75775	20.492	ug/l		95
64) Tetrachloroethene	11.088	164	51988	18.090	ug/l		94
65) Chlorobenzene	11.870	112	192917	19.244	ug/l		93
66) 1,1,1,2-Tetrachloroethane	11.941	131	65609	19.247	ug/l		97
67) Ethyl Benzene	11.947	91	336124	20.367	ug/l		98
68) m/p-Xylenes	12.053	106	249595	40.389	ug/l		94
69) o-Xylene	12.376	106	119950	20.320	ug/l		93
70) Styrene	12.394	104	205053	20.649	ug/l		96
71) Bromoform	12.559	173	48296	17.538	ug/l	#	99
73) Isopropylbenzene	12.676	105	314281	22.495	ug/l		97
74) N-amyl acetate	12.535	43	108512m	18.694	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.923	83	115038	21.882	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	100267m	20.143	ug/l		
77) Bromobenzene	12.959	156	73544	20.297	ug/l		91
78) n-propylbenzene	13.017	91	389520	22.160	ug/l		99
79) 2-Chlorotoluene	13.106	91	241476	22.353	ug/l		94
80) 1,3,5-Trimethylbenzene	13.153	105	262222	22.029	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.723	75	32197	17.698	ug/l		91
82) 4-Chlorotoluene	13.200	91	250722	22.292	ug/l		95
83) tert-Butylbenzene	13.417	119	222918	22.422	ug/l		96
84) 1,2,4-Trimethylbenzene	13.464	105	269488	22.169	ug/l		99
85) sec-Butylbenzene	13.594	105	329434	21.998	ug/l		99
86) p-Isopropyltoluene	13.706	119	272080	22.671	ug/l		97
87) 1,3-Dichlorobenzene	13.711	146	145480	20.458	ug/l		98
88) 1,4-Dichlorobenzene	13.794	146	150121	19.766	ug/l		97
89) n-Butylbenzene	14.035	91	270370	23.593	ug/l		98
90) Hexachloroethane	14.311	117	49037	19.285	ug/l		96
91) 1,2-Dichlorobenzene	14.088	146	138916	20.620	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	27318	19.792	ug/l		92
93) 1,2,4-Trichlorobenzene	15.364	180	83245	21.036	ug/l		99
94) Hexachlorobutadiene	15.476	225	31065	21.127	ug/l		99
95) Naphthalene	15.617	128	298554	21.296	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	78959	19.891	ug/l		95

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

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

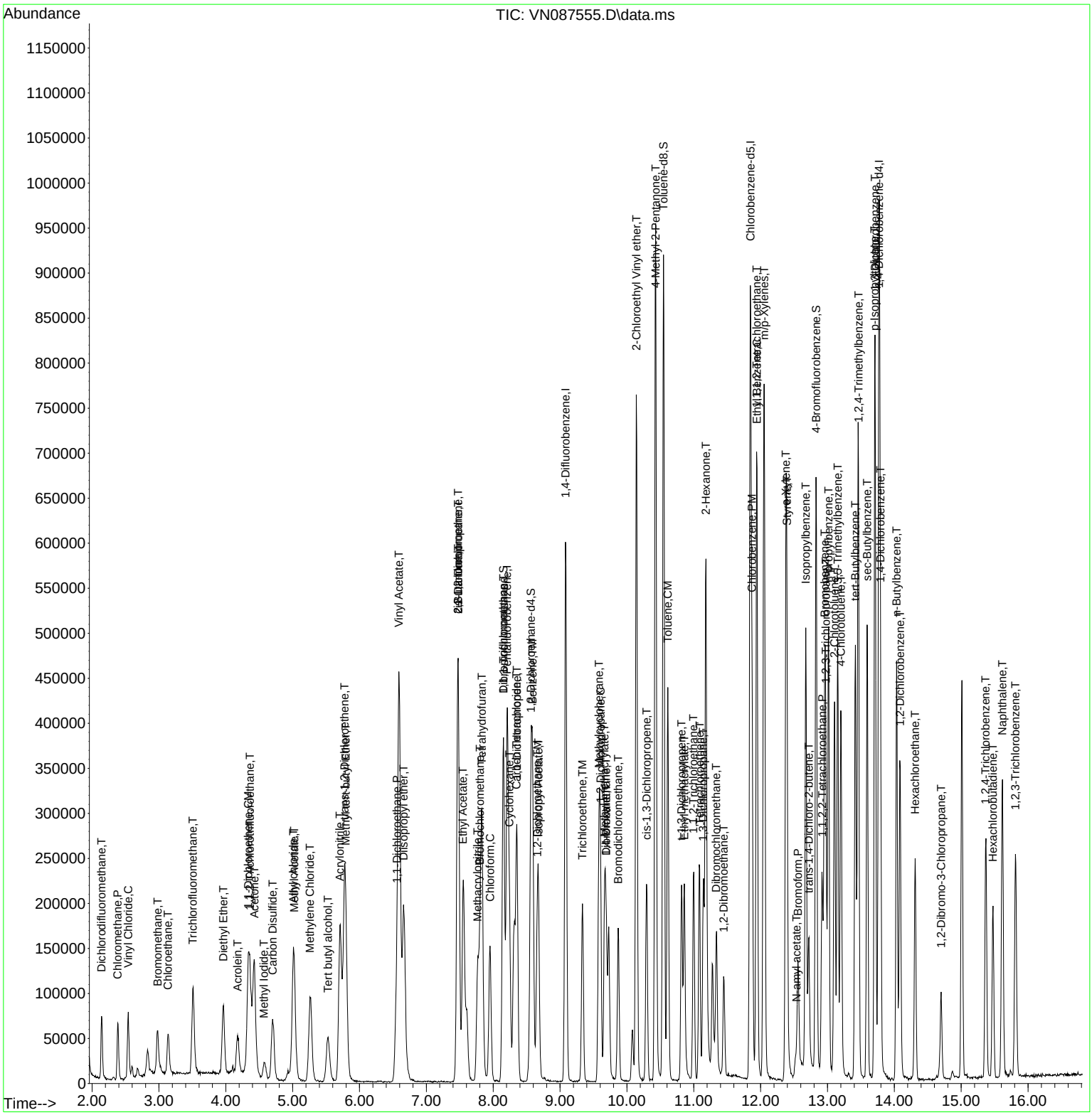
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087555.D
Acq On : 14 Aug 2025 11:07
Operator : JC\MD
Sample : VN0814WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 14 15:23:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0814WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/18/2025
Supervised By :Mahesh Dadoda 08/19/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	238067	50.000	ug/l	# 0.00
34) 1,4-Difluorobenzene	9.083	114	461160	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	435202	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	231778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	217494	53.842	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.680%			
35) Dibromofluoromethane	8.153	113	152403	47.909	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.820%			
50) Toluene-d8	10.547	98	543343	47.883	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.760%			
62) 4-Bromofluorobenzene	12.829	95	216897	51.737	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	143419	56.720	ug/l	100
3) Chloromethane	2.383	50	152078	47.827	ug/l	100
4) Vinyl Chloride	2.542	62	169468	53.629	ug/l	95
5) Bromomethane	2.971	94	89339	54.595	ug/l	96
6) Chloroethane	3.136	64	114275	55.452	ug/l	97
7) Trichlorofluoromethane	3.501	101	253745	54.304	ug/l	97
8) Diethyl Ether	3.965	74	112077	61.834	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.359	101	138606	57.785	ug/l	95
10) Methyl Iodide	4.577	142	91710	38.610	ug/l	91
11) Tert butyl alcohol	5.536	59	219902	286.700	ug/l	100
12) 1,1-Dichloroethene	4.330	96	140041	51.521	ug/l	99
13) Acrolein	4.177	56	135355	219.895	ug/l	99
14) Allyl chloride	5.012	41	254609	51.759	ug/l	94
15) Acrylonitrile	5.712	53	562090	270.058	ug/l	98
16) Acetone	4.430	43	530238	279.957	ug/l	98
17) Carbon Disulfide	4.700	76	356757	44.270	ug/l #	93
18) Methyl Acetate	5.018	43	302650	63.602	ug/l	100
19) Methyl tert-butyl Ether	5.789	73	601237	60.011	ug/l	96
20) Methylene Chloride	5.265	84	169920	53.111	ug/l	99
21) trans-1,2-Dichloroethene	5.771	96	153170	49.977	ug/l	93
22) Diisopropyl ether	6.659	45	612749	59.384	ug/l	97
23) Vinyl Acetate	6.594	43	2775483	307.552	ug/l	99
24) 1,1-Dichloroethane	6.553	63	318408	53.488	ug/l	98
25) 2-Butanone	7.471	43	850355	290.579	ug/l	98
26) 2,2-Dichloropropane	7.471	77	249304	53.865	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	284580	80.651	ug/l	97
28) Bromochloromethane	7.800	49	143451	50.351	ug/l	93
29) Tetrahydrofuran	7.830	42	541901	285.049	ug/l	99
30) Chloroform	7.953	83	341066	57.240	ug/l	99
31) Cyclohexane	8.241	56	253936	51.134	ug/l	96
32) 1,1,1-Trichloroethane	8.153	97	279470	54.153	ug/l	97
36) 1,1-Dichloropropene	8.353	75	214559	51.052	ug/l	98
37) Ethyl Acetate	7.553	43	307770	50.705	ug/l	98
38) Carbon Tetrachloride	8.347	117	228035	49.255	ug/l	93
39) Methylcyclohexane	9.583	83	237505	52.198	ug/l	96
40) Benzene	8.588	78	696316	51.262	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	175869	55.413	ug/l		98
42) 1,2-Dichloroethane	8.653	62	283996	55.133	ug/l		97
43) Isopropyl Acetate	8.677	43	532619	56.527	ug/l		97
44) Trichloroethene	9.335	130	321363	100.127	ug/l		88
45) 1,2-Dichloropropane	9.606	63	182390	52.845	ug/l		94
46) Dibromomethane	9.694	93	137378	53.162	ug/l		95
47) Bromodichloromethane	9.871	83	277559	53.324	ug/l		96
48) Methyl methacrylate	9.665	41	245497	57.875	ug/l		93
49) 1,4-Dioxane	9.688	88	69859	1075.274	ug/l	#	97
51) 4-Methyl-2-Pentanone	10.430	43	1677266	281.447	ug/l		98
52) Toluene	10.612	92	435684	52.770	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	283224	53.765	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	296099	54.416	ug/l	#	88
55) 1,1,2-Trichloroethane	11.000	97	176388	52.770	ug/l		94
56) Ethyl methacrylate	10.859	69	305796	54.213	ug/l		93
57) 1,3-Dichloropropane	11.147	76	313150	54.186	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	584151	213.042	ug/l		99
59) 2-Hexanone	11.182	43	1146887	290.068	ug/l		100
60) Dibromochloromethane	11.341	129	195208	51.209	ug/l		99
61) 1,2-Dibromoethane	11.447	107	185145	52.680	ug/l		98
64) Tetrachloroethene	11.088	164	120472	43.011	ug/l		96
65) Chlorobenzene	11.871	112	472723	48.382	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	165027	49.672	ug/l		100
67) Ethyl Benzene	11.941	91	844688	52.514	ug/l		99
68) m/p-Xylenes	12.053	106	627919	104.251	ug/l		93
69) o-Xylene	12.376	106	307518	53.449	ug/l		94
70) Styrene	12.394	104	539497	55.741	ug/l		98
71) Bromoform	12.559	173	129055	48.082	ug/l	#	99
73) Isopropylbenzene	12.676	105	797605	54.677	ug/l		98
74) N-amyl acetate	12.500	43	204124	33.679	ug/l	#	93
75) 1,1,2,2-Tetrachloroethane	12.918	83	285137	51.946	ug/l		99
76) 1,2,3-Trichloropropane	12.976	75	244697m	47.080	ug/l		
77) Bromobenzene	12.959	156	183370	48.469	ug/l		91
78) n-propylbenzene	13.018	91	990768	53.982	ug/l		97
79) 2-Chlorotoluene	13.106	91	600287	53.218	ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	686579	55.240	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	87284	45.950	ug/l		93
82) 4-Chlorotoluene	13.200	91	625581	53.269	ug/l		97
83) tert-Butylbenzene	13.418	119	576103	55.497	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	715753	56.391	ug/l		95
85) sec-Butylbenzene	13.594	105	866181	55.396	ug/l		99
86) p-Isopropyltoluene	13.706	119	703516	56.143	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	370720	49.929	ug/l		99
88) 1,4-Dichlorobenzene	13.794	146	374267	47.195	ug/l		97
89) n-Butylbenzene	14.035	91	697153	58.265	ug/l		98
90) Hexachloroethane	14.312	117	126427	47.619	ug/l		93
91) 1,2-Dichlorobenzene	14.082	146	361117	51.338	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	69760	48.406	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	212082	51.328	ug/l		99
94) Hexachlorobutadiene	15.476	225	79123	51.536	ug/l		97
95) Naphthalene	15.617	128	789585	53.941	ug/l		99
96) 1,2,3-Trichlorobenzene	15.817	180	206242	49.760	ug/l		99

Sample Results: **VN087569.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

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

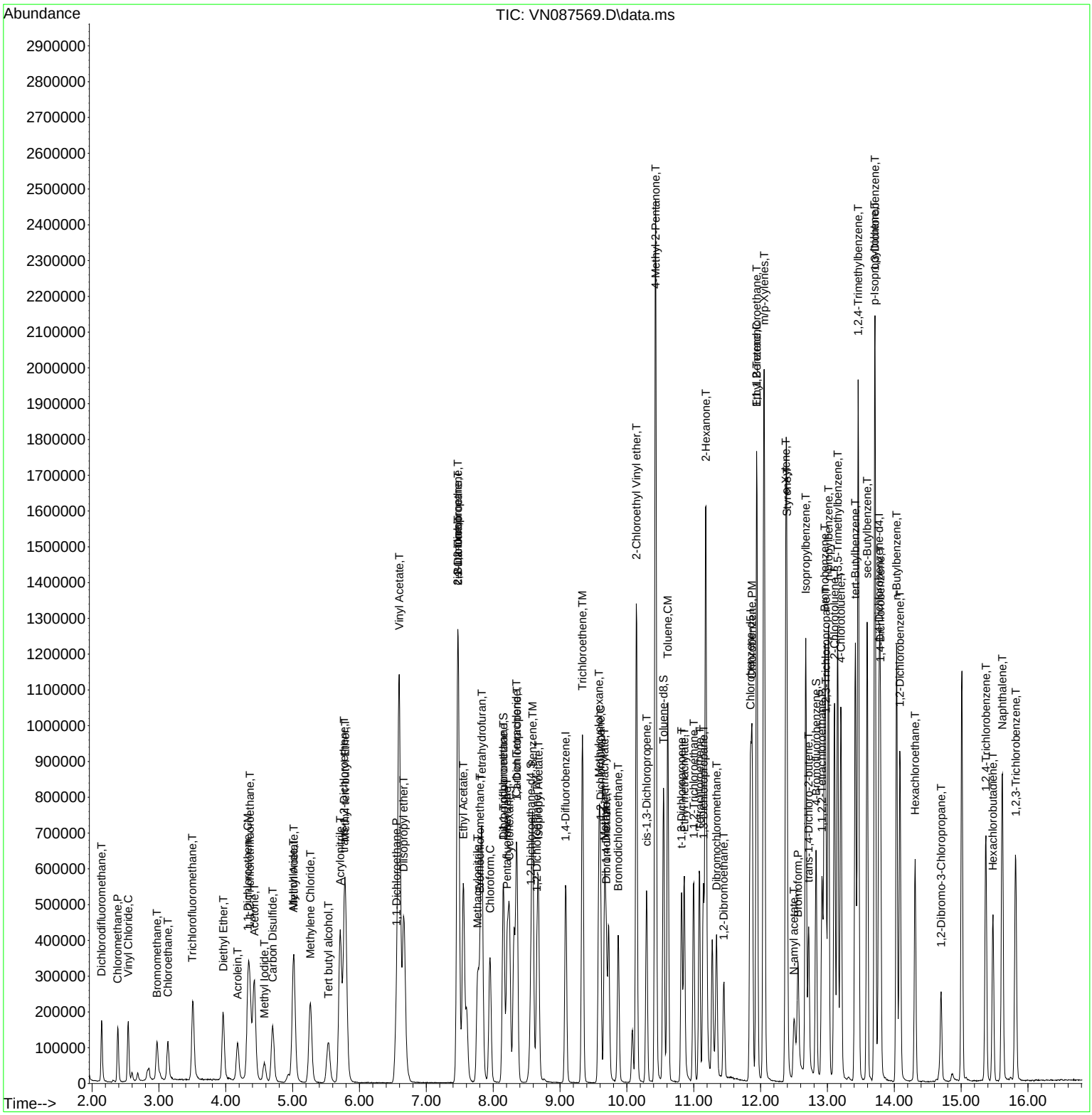
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087569.D
Acq On : 14 Aug 2025 16:27
Operator : JC\MD
Sample : Q2842-04MS 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 19 Sample Multiplier: 1

Quant Time: Aug 14 19:59:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MS

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025



Sample Results: **VN087570.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.212	168	251785	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	498703	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	460182	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	240017	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	233131	54.569	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.140%			
35) Dibromofluoromethane	8.153	113	160785	46.739	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.480%			
50) Toluene-d8	10.547	98	591485	48.202	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.400%			
62) 4-Bromofluorobenzene	12.829	95	228797	50.467	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.940%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	160380	59.972	ug/l	95
3) Chloromethane	2.383	50	164845	49.018	ug/l	95
4) Vinyl Chloride	2.542	62	181197	54.217	ug/l	94
5) Bromomethane	2.971	94	111058	64.170	ug/l	100
6) Chloroethane	3.130	64	124775	57.248	ug/l	97
7) Trichlorofluoromethane	3.506	101	269630	54.560	ug/l	92
8) Diethyl Ether	3.965	74	116948	61.006	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.365	101	146884	57.900	ug/l	97
10) Methyl Iodide	4.583	142	119433	46.239	ug/l	95
11) Tert butyl alcohol	5.536	59	241582	297.805	ug/l	99
12) 1,1-Dichloroethene	4.342	96	151233	52.607	ug/l	98
13) Acrolein	4.177	56	121388	186.460	ug/l	99
14) Allyl chloride	5.018	41	274012	52.668	ug/l	93
15) Acrylonitrile	5.706	53	596577	271.011	ug/l	97
16) Acetone	4.424	43	565138	282.126	ug/l	97
17) Carbon Disulfide	4.700	76	383063	44.945	ug/l	97
18) Methyl Acetate	5.024	43	323417	64.264	ug/l	100
19) Methyl tert-butyl Ether	5.794	73	630203	59.475	ug/l	96
20) Methylene Chloride	5.265	84	180635	53.387	ug/l #	89
21) trans-1,2-Dichloroethene	5.777	96	165046	50.918	ug/l	96
22) Diisopropyl ether	6.665	45	653071	59.843	ug/l	98
23) Vinyl Acetate	6.594	43	2963851	310.532	ug/l	99
24) 1,1-Dichloroethane	6.559	63	337459	53.599	ug/l	99
25) 2-Butanone	7.477	43	880575	284.512	ug/l	97
26) 2,2-Dichloropropane	7.477	77	251846	51.450	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	296951	79.572	ug/l	98
28) Bromochloromethane	7.794	49	161291	53.528	ug/l	92
29) Tetrahydrofuran	7.830	42	579208	288.074	ug/l	99
30) Chloroform	7.953	83	365342	57.974	ug/l	98
31) Cyclohexane	8.241	56	269452	51.302	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	301283	55.199	ug/l	97
36) 1,1-Dichloropropene	8.359	75	232570	51.172	ug/l	98
37) Ethyl Acetate	7.547	43	344525	52.488	ug/l	98
38) Carbon Tetrachloride	8.347	117	240818	48.100	ug/l	96
39) Methylcyclohexane	9.582	83	251368	51.086	ug/l	95
40) Benzene	8.588	78	748859	50.980	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	188160	54.823	ug/l		97
42) 1,2-Dichloroethane	8.659	62	295609	53.067	ug/l		97
43) Isopropyl Acetate	8.677	43	557773	54.740	ug/l		99
44) Trichloroethene	9.335	130	330475	95.214	ug/l		96
45) 1,2-Dichloropropane	9.606	63	191212	51.231	ug/l		98
46) Dibromomethane	9.694	93	141089	50.488	ug/l		95
47) Bromodichloromethane	9.871	83	288056	51.174	ug/l		98
48) Methyl methacrylate	9.665	41	268246	58.477	ug/l		94
49) 1,4-Dioxane	9.682	88	74858	1065.478	ug/l	#	100
51) 4-Methyl-2-Pentanone	10.429	43	1774583	275.360	ug/l		97
52) Toluene	10.612	92	460377	51.563	ug/l		96
53) t-1,3-Dichloropropene	10.818	75	308221	54.105	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	308333	52.399	ug/l	#	87
55) 1,1,2-Trichloroethane	11.000	97	190288	52.643	ug/l		92
56) Ethyl methacrylate	10.859	69	326690	53.587	ug/l	#	95
57) 1,3-Dichloropropane	11.147	76	329546	52.730	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	412625	139.157	ug/l		99
59) 2-Hexanone	11.182	43	1237547	289.435	ug/l		98
60) Dibromochloromethane	11.341	129	205718	49.903	ug/l		98
61) 1,2-Dibromoethane	11.447	107	193708	50.967	ug/l		98
64) Tetrachloroethene	11.082	164	127664	43.104	ug/l		94
65) Chlorobenzene	11.871	112	500916	48.485	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	176284	50.180	ug/l		99
67) Ethyl Benzene	11.941	91	898707	52.840	ug/l		99
68) m/p-Xylenes	12.053	106	662341	103.996	ug/l		93
69) o-Xylene	12.376	106	328068	53.926	ug/l		96
70) Styrene	12.394	104	567805	55.481	ug/l		98
71) Bromoform	12.559	173	133281	46.961	ug/l	#	95
73) Isopropylbenzene	12.676	105	839673	55.585	ug/l		99
74) N-amyl acetate	12.500	43	234757	37.404	ug/l	#	94
75) 1,1,2,2-Tetrachloroethane	12.918	83	304955	53.650	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	297389m	55.254	ug/l		
77) Bromobenzene	12.959	156	197712	50.466	ug/l		94
78) n-propylbenzene	13.018	91	1061543	55.853	ug/l		98
79) 2-Chlorotoluene	13.106	91	637513	54.578	ug/l		96
80) 1,3,5-Trimethylbenzene	13.153	105	725164	56.342	ug/l		96
81) trans-1,4-Dichloro-2-b...	12.718	75	93157	47.359	ug/l		94
82) 4-Chlorotoluene	13.200	91	661408	54.387	ug/l		97
83) tert-Butylbenzene	13.418	119	601617	55.966	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	747848	56.897	ug/l		96
85) sec-Butylbenzene	13.594	105	905664	55.933	ug/l		98
86) p-Isopropyltoluene	13.706	119	748208	57.660	ug/l		97
87) 1,3-Dichlorobenzene	13.712	146	393523	51.181	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	395731	48.189	ug/l		98
89) n-Butylbenzene	14.035	91	730169	58.929	ug/l		98
90) Hexachloroethane	14.312	117	136983	49.824	ug/l		91
91) 1,2-Dichlorobenzene	14.088	146	372655	51.160	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.700	75	74799	50.121	ug/l		97
93) 1,2,4-Trichlorobenzene	15.370	180	220758	51.594	ug/l		98
94) Hexachlorobutadiene	15.476	225	77907	49.002	ug/l		98
95) Naphthalene	15.617	128	847533	55.913	ug/l		100
96) 1,2,3-Trichlorobenzene	15.817	180	217612	50.701	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025

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

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

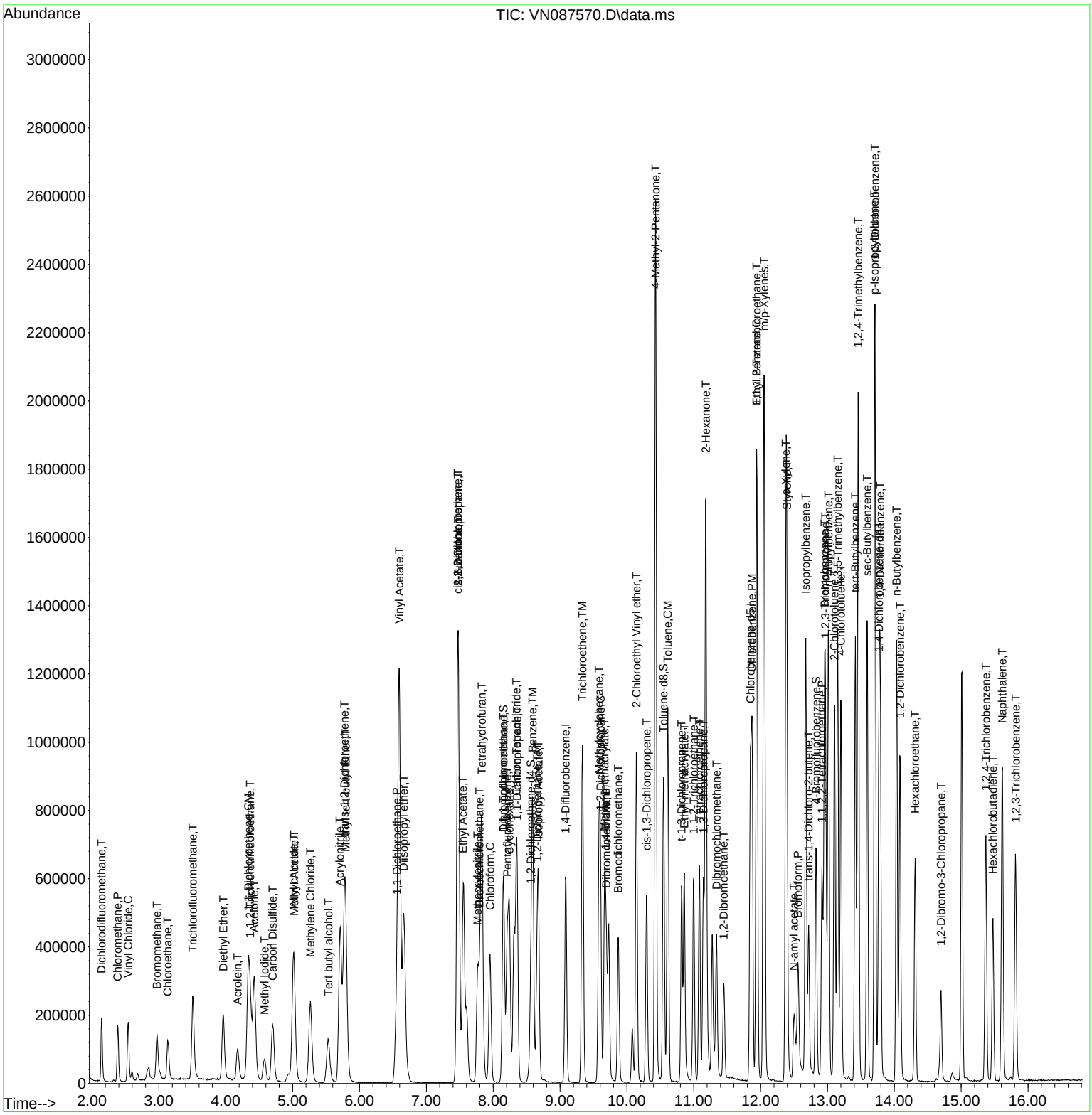
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN081425\
Data File : VN087570.D
Acq On : 14 Aug 2025 16:49
Operator : JC\MD
Sample : Q2842-05MSD 100X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Aug 14 20:00:15 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N071625W.M
Quant Title : SW846 8260
QLast Update : Thu Jul 17 02:56:13 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
MW-17B-55.5-081225MSD

Manual Integrations APPROVED

Reviewed By :John Carlone 08/15/2025
Supervised By :Mahesh Dadoda 08/19/2025



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

Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN071625	Instrument	MSVOA_n

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

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Manual Integration Report

Sequence:	VN081425	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087552.D	1,2,3-Trichloropropane	JOHN	8/14/2025 4:35:55 PM	MMDadoda	8/19/2025 1:44:04 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
VN0814WBS01	VN087555.D	N-amyl acetate	JOHN	8/18/2025 8:11:28 AM	MMDadoda	8/19/2025 1:44:07 AM	Peak Integrated by Software
Q2842-04MS	VN087569.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:03 AM	MMDadoda	8/19/2025 1:44:16 AM	Peak Integrated by Software
Q2842-05MSD	VN087570.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:08 AM	MMDadoda	8/19/2025 1:44:19 AM	Peak Integrated by Software
VSTDCCC050	VN087571.D	1,2,3-Trichloropropane	JOHN	8/15/2025 8:40:12 AM	MMDadoda	8/19/2025 1:44:23 AM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087551.D	14 Aug 2025 09:01	JC\MD	Ok
2	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	JC\MD	Ok,M
3	VN0814MBL01	VN087553.D	14 Aug 2025 10:10	JC\MD	Ok
4	VN0814WBL01	VN087554.D	14 Aug 2025 10:32	JC\MD	Ok
5	VN0814WBS01	VN087555.D	14 Aug 2025 11:07	JC\MD	Ok,M
6	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41	JC\MD	Ok,M
7	Q2832-02	VN087557.D	14 Aug 2025 12:03	JC\MD	Ok
8	Q2832-04	VN087558.D	14 Aug 2025 12:24	JC\MD	Ok,M
9	Q2836-01	VN087559.D	14 Aug 2025 12:46	JC\MD	Ok
10	Q2836-05	VN087560.D	14 Aug 2025 13:08	JC\MD	Ok
11	Q2836-09	VN087561.D	14 Aug 2025 13:30	JC\MD	Ok
12	Q2836-13	VN087562.D	14 Aug 2025 13:52	JC\MD	Ok
13	Q2838-04	VN087563.D	14 Aug 2025 14:14	JC\MD	Ok
14	Q2838-08	VN087564.D	14 Aug 2025 14:36	JC\MD	Ok
15	Q2842-08	VN087565.D	14 Aug 2025 14:58	JC\MD	Ok
16	Q2842-01	VN087566.D	14 Aug 2025 15:20	JC\MD	Ok
17	Q2842-02	VN087567.D	14 Aug 2025 15:42	JC\MD	Ok
18	Q2842-03	VN087568.D	14 Aug 2025 16:04	JC\MD	Ok
19	Q2842-04MS	VN087569.D	14 Aug 2025 16:27	JC\MD	Ok,M
20	Q2842-05MSD	VN087570.D	14 Aug 2025 16:49	JC\MD	Ok,M
21	VSTDCCC050	VN087571.D	14 Aug 2025 17:11	JC\MD	Ok,M

M : Manual Integration

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN071625

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

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

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

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
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	VN087551.D	14 Aug 2025 09:01		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087552.D	14 Aug 2025 09:34	pH#Lot#V12668	JC\MD	Ok,M
3	VN0814MBL01	VN0814MBL01	VN087553.D	14 Aug 2025 10:10		JC\MD	Ok
4	VN0814WBL01	VN0814WBL01	VN087554.D	14 Aug 2025 10:32		JC\MD	Ok
5	VN0814WBS01	VN0814WBS01	VN087555.D	14 Aug 2025 11:07		JC\MD	Ok,M
6	VN0814WBSD01	VN0814WBSD01	VN087556.D	14 Aug 2025 11:41		JC\MD	Ok,M
7	Q2832-02	TG-S01	VN087557.D	14 Aug 2025 12:03	vial B pH#5.0	JC\MD	Ok
8	Q2832-04	TG-S02	VN087558.D	14 Aug 2025 12:24	vial B pH#5.0	JC\MD	Ok,M
9	Q2836-01	WC-A2-15-G	VN087559.D	14 Aug 2025 12:46	vial B pH#5.0	JC\MD	Ok
10	Q2836-05	WC-A2-16-G	VN087560.D	14 Aug 2025 13:08	vial B pH#5.0	JC\MD	Ok
11	Q2836-09	WC-A2-17-G	VN087561.D	14 Aug 2025 13:30	vial B pH#5.0	JC\MD	Ok
12	Q2836-13	WC-A5-02-G	VN087562.D	14 Aug 2025 13:52	vial B pH#5.0	JC\MD	Ok
13	Q2838-04	TP-11	VN087563.D	14 Aug 2025 14:14	vial B pH#5.0	JC\MD	Ok
14	Q2838-08	TP-10	VN087564.D	14 Aug 2025 14:36	vial B pH#5.0	JC\MD	Ok
15	Q2842-08	TB01-081225	VN087565.D	14 Aug 2025 14:58	vial A pH<2 TB	JC\MD	Ok
16	Q2842-01	RMW-03B-90.4-081220	VN087566.D	14 Aug 2025 15:20	vial A pH<2	JC\MD	Ok
17	Q2842-02	RMW-02B-66.3-081220	VN087567.D	14 Aug 2025 15:42	vial A pH<2	JC\MD	Ok
18	Q2842-03	MW-17B-55.5-0812202	VN087568.D	14 Aug 2025 16:04	vial A pH<2	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN081425

Review By	John Carlone	Review On	8/15/2025 8:42:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:44:35 AM		
SubDirectory	VN081425	HP Acquire Method		HP Processing Method	82N071625W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135139
Initial Calibration Stds	
CCC	VP135140,VP135141
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2842-04MS	MW-17B-55.5-081225M	VN087569.D	14 Aug 2025 16:27	vial A pH<2	JC\MD	Ok,M
20	Q2842-05MSD	MW-17B-55.5-081225M	VN087570.D	14 Aug 2025 16:49	vial A pH<2	JC\MD	Ok,M
21	VSTDCCC050	VSTDCCC050EC	VN087571.D	14 Aug 2025 17:11		JC\MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2842	**OrderDate:**	8/13/2025 8:34:00 AM
Client:	JACOBS Engineering Group, Inc.	**Project:**	Former Schlumberger STC PTC Site D3868221
Contact:	John Ynfante	**Location:**	J23,J32,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2842-01	**RMW-03B-90.4-08122025**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-02	**RMW-02B-66.3-08122025**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-03	**MW-17B-55.5-08122025**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	
Q2842-08	**TB01-081225**	**Water**			**08/12/25**			**08/12/25**
			VOCMS Group3	8260-Low			08/14/25	