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

Hit Summary Sheet
SW-846

SDG No.: Q3058

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**RPXY5**								
Q3058-01	RPXY5	SOIL	Acetone		10.2	J	4.30	22.5	ug/Kg
Q3058-01	RPXY5	SOIL	Methylene Chloride		3.50	J	3.20	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	Toluene		2.30	J	0.70	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	Ethyl Benzene		95.9		0.60	4.50	ug/Kg
Q3058-01	RPXY5	SOIL	m/p-Xylenes		340	E	1.10	9.00	ug/Kg
Q3058-01	RPXY5	SOIL	o-Xylene		87.3		0.74	4.50	ug/Kg
			Total Voc :		539				
			Total Concentration:		539				
Client ID:	**RPXY5ME**								
Q3058-01ME	RPXY5ME	SOIL	Ethyl Benzene		72.9	JD	31.5	240	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	m/p-Xylenes		220	JD	58.3	470	ug/Kg
Q3058-01ME	RPXY5ME	SOIL	o-Xylene		60.7	JD	38.5	240	ug/Kg
			Total Voc :		354				
			Total Concentration:		354				
Client ID:	**RPXY4**								
Q3058-02	RPXY4	SOIL	Chloromethane		120		0.94	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Bromomethane		13.5		0.88	4.10	ug/Kg
Q3058-02	RPXY4	SOIL	Acetone		140		3.90	20.6	ug/Kg
Q3058-02	RPXY4	SOIL	Methylene Chloride		4.30	J	2.90	8.30	ug/Kg
			Total Voc :		278				
Q3058-02	RPXY4	SOIL	Methyl Iodide	*	3.00	J	0.75	4.10	ug/Kg
			Total Tics :		3.00				
			Total Concentration:		281				

SAMPLE DATA

Raw Data: **VY023328.D**

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

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.00	U	1.00	4.50	ug/Kg
74-87-3	Chloromethane	1.00	U	1.00	4.50	ug/Kg
75-01-4	Vinyl Chloride	0.71	U	0.71	4.50	ug/Kg
74-83-9	Bromomethane	0.96	U	0.96	4.50	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.50	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.50	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.96	U	0.96	4.50	ug/Kg
75-35-4	1,1-Dichloroethene	0.90	U	0.90	4.50	ug/Kg
67-64-1	Acetone	10.2	J	4.30	22.5	ug/Kg
75-15-0	Carbon Disulfide	0.96	U	0.96	4.50	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.66	U	0.66	4.50	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.50	ug/Kg
75-09-2	Methylene Chloride	3.50	J	3.20	9.00	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.78	U	0.78	4.50	ug/Kg
75-34-3	1,1-Dichloroethane	0.72	U	0.72	4.50	ug/Kg
110-82-7	Cyclohexane	0.71	U	0.71	4.50	ug/Kg
78-93-3	2-Butanone	5.90	U	5.90	22.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.87	U	0.87	4.50	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.68	U	0.68	4.50	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.50	ug/Kg
67-66-3	Chloroform	0.76	U	0.76	4.50	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.84	U	0.84	4.50	ug/Kg
108-87-2	Methylcyclohexane	0.82	U	0.82	4.50	ug/Kg
71-43-2	Benzene	0.71	U	0.71	4.50	ug/Kg
107-06-2	1,2-Dichloroethane	0.71	U	0.71	4.50	ug/Kg
79-01-6	Trichloroethene	0.73	U	0.73	4.50	ug/Kg
78-87-5	1,2-Dichloropropane	0.82	U	0.82	4.50	ug/Kg
75-27-4	Bromodichloromethane	0.70	U	0.70	4.50	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.20	U	3.20	22.5	ug/Kg
108-88-3	Toluene	2.30	J	0.70	4.50	ug/Kg

Raw Data: **VY023328.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.59	U	0.59	4.50	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.56	U	0.56	4.50	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.83	U	0.83	4.50	ug/Kg
591-78-6	2-Hexanone	3.30	U	3.30	22.5	ug/Kg
124-48-1	Dibromochloromethane	0.78	U	0.78	4.50	ug/Kg
106-93-4	1,2-Dibromoethane	0.79	U	0.79	4.50	ug/Kg
127-18-4	Tetrachloroethene	0.95	U	0.95	4.50	ug/Kg
108-90-7	Chlorobenzene	0.82	U	0.82	4.50	ug/Kg
100-41-4	Ethyl Benzene	95.9		0.60	4.50	ug/Kg
179601-23-1	m/p-Xylenes	340	E	1.10	9.00	ug/Kg
95-47-6	o-Xylene	87.3		0.74	4.50	ug/Kg
100-42-5	Styrene	0.64	U	0.64	4.50	ug/Kg
75-25-2	Bromoform	0.78	U	0.78	4.50	ug/Kg
98-82-8	Isopropylbenzene	0.70	U	0.70	4.50	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.50	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.50	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.50	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.50	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.50	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.70	U	2.70	4.50	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.90	U	2.90	4.50	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.0		70 (63) - 130 (155)	124%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		70 (70) - 130 (134)	108%	SPK: 50
2037-26-5	Toluene-d8	52.1		70 (74) - 130 (123)	104%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.6		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	542000	7.713			
540-36-3	1,4-Difluorobenzene	1030000	8.615			
3114-55-4	Chlorobenzene-d5	977000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	419000	13.346			

Raw Data: **VY023328.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5	SDG No.:	Q3058
Lab Sample ID:	Q3058-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.55 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023328.D	1	09/10/25 12:49	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

Raw Data: **VN087839.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	53.6	UD	53.6	240	ug/Kg
74-87-3	Chloromethane	53.6	UD	53.6	240	ug/Kg
75-01-4	Vinyl Chloride	37.1	UD	37.1	240	ug/Kg
74-83-9	Bromomethane	50.3	UD	50.3	240	ug/Kg
75-00-3	Chloroethane	59.2	UD	59.2	240	ug/Kg
75-69-4	Trichlorofluoromethane	56.9	UD	56.9	240	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	49.8	UD	49.8	240	ug/Kg
75-35-4	1,1-Dichloroethene	47.0	UD	47.0	240	ug/Kg
67-64-1	Acetone	220	UD	220	1200	ug/Kg
75-15-0	Carbon Disulfide	49.8	UD	49.8	240	ug/Kg
1634-04-4	Methyl tert-butyl Ether	34.3	UD	34.3	240	ug/Kg
79-20-9	Methyl Acetate	72.4	UD	72.4	240	ug/Kg
75-09-2	Methylene Chloride	170	UD	170	470	ug/Kg
156-60-5	trans-1,2-Dichloroethene	40.4	UD	40.4	240	ug/Kg
75-34-3	1,1-Dichloroethane	37.6	UD	37.6	240	ug/Kg
110-82-7	Cyclohexane	37.1	UD	37.1	240	ug/Kg
78-93-3	2-Butanone	310	UD	310	1200	ug/Kg
56-23-5	Carbon Tetrachloride	45.6	UD	45.6	240	ug/Kg
156-59-2	cis-1,2-Dichloroethene	35.2	UD	35.2	240	ug/Kg
74-97-5	Bromochloromethane	54.0	UD	54.0	240	ug/Kg
67-66-3	Chloroform	39.5	UD	39.5	240	ug/Kg
71-55-6	1,1,1-Trichloroethane	43.7	UD	43.7	240	ug/Kg
108-87-2	Methylcyclohexane	42.8	UD	42.8	240	ug/Kg
71-43-2	Benzene	37.1	UD	37.1	240	ug/Kg
107-06-2	1,2-Dichloroethane	37.1	UD	37.1	240	ug/Kg
79-01-6	Trichloroethene	38.1	UD	38.1	240	ug/Kg
78-87-5	1,2-Dichloropropane	42.8	UD	42.8	240	ug/Kg
75-27-4	Bromodichloromethane	36.7	UD	36.7	240	ug/Kg
108-10-1	4-Methyl-2-Pentanone	170	UD	170	1200	ug/Kg
108-88-3	Toluene	36.7	UD	36.7	240	ug/Kg

Raw Data: **VN087839.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	30.5	UD	30.5	240	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	29.1	UD	29.1	240	ug/Kg
79-00-5	1,1,2-Trichloroethane	43.2	UD	43.2	240	ug/Kg
591-78-6	2-Hexanone	170	UD	170	1200	ug/Kg
124-48-1	Dibromochloromethane	40.9	UD	40.9	240	ug/Kg
106-93-4	1,2-Dibromoethane	41.4	UD	41.4	240	ug/Kg
127-18-4	Tetrachloroethene	49.3	UD	49.3	240	ug/Kg
108-90-7	Chlorobenzene	42.8	UD	42.8	240	ug/Kg
100-41-4	Ethyl Benzene	72.9	JD	31.5	240	ug/Kg
179601-23-1	m/p-Xylenes	220	JD	58.3	470	ug/Kg
95-47-6	o-Xylene	60.7	JD	38.5	240	ug/Kg
100-42-5	Styrene	33.4	UD	33.4	240	ug/Kg
75-25-2	Bromoform	40.4	UD	40.4	240	ug/Kg
98-82-8	Isopropylbenzene	36.7	UD	36.7	240	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	56.9	UD	56.9	240	ug/Kg
541-73-1	1,3-Dichlorobenzene	80.4	UD	80.4	240	ug/Kg
106-46-7	1,4-Dichlorobenzene	73.3	UD	73.3	240	ug/Kg
95-50-1	1,2-Dichlorobenzene	68.1	UD	68.1	240	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	86.5	UD	86.5	240	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	140	UD	140	240	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	150	UD	150	240	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.6		70 (63) - 130 (155)	101%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (74) - 130 (123)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.8		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	191000	8.2			
540-36-3	1,4-Difluorobenzene	435000	9.082			
3114-55-4	Chlorobenzene-d5	387000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	170000	13.77			

Raw Data: **VN087839.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY5ME	SDG No.:	Q3058
Lab Sample ID:	Q3058-01ME	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	84.7
Sample Wt/Vol:	6.28 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087839.D	1	09/15/25 15:43	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.94	U	0.94	4.10	ug/Kg
74-87-3	Chloromethane	120		0.94	4.10	ug/Kg
75-01-4	Vinyl Chloride	0.65	U	0.65	4.10	ug/Kg
74-83-9	Bromomethane	13.5		0.88	4.10	ug/Kg
75-00-3	Chloroethane	1.00	U	1.00	4.10	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.10	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.88	U	0.88	4.10	ug/Kg
75-35-4	1,1-Dichloroethene	0.83	U	0.83	4.10	ug/Kg
67-64-1	Acetone	140		3.90	20.6	ug/Kg
75-15-0	Carbon Disulfide	0.88	U	0.88	4.10	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.60	U	0.60	4.10	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.10	ug/Kg
75-09-2	Methylene Chloride	4.30	J	2.90	8.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.71	U	0.71	4.10	ug/Kg
75-34-3	1,1-Dichloroethane	0.66	U	0.66	4.10	ug/Kg
110-82-7	Cyclohexane	0.65	U	0.65	4.10	ug/Kg
78-93-3	2-Butanone	5.40	U	5.40	20.6	ug/Kg
56-23-5	Carbon Tetrachloride	0.80	U	0.80	4.10	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.62	U	0.62	4.10	ug/Kg
74-97-5	Bromochloromethane	0.95	U	0.95	4.10	ug/Kg
67-66-3	Chloroform	0.69	U	0.69	4.10	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.77	U	0.77	4.10	ug/Kg
108-87-2	Methylcyclohexane	0.75	U	0.75	4.10	ug/Kg
71-43-2	Benzene	0.65	U	0.65	4.10	ug/Kg
107-06-2	1,2-Dichloroethane	0.65	U	0.65	4.10	ug/Kg
79-01-6	Trichloroethene	0.67	U	0.67	4.10	ug/Kg
78-87-5	1,2-Dichloropropane	0.75	U	0.75	4.10	ug/Kg
75-27-4	Bromodichloromethane	0.64	U	0.64	4.10	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.6	ug/Kg
108-88-3	Toluene	0.64	U	0.64	4.10	ug/Kg

Raw Data: **VY023329.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.10	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.51	U	0.51	4.10	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.76	U	0.76	4.10	ug/Kg
591-78-6	2-Hexanone	3.00	U	3.00	20.6	ug/Kg
124-48-1	Dibromochloromethane	0.72	U	0.72	4.10	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.10	ug/Kg
127-18-4	Tetrachloroethene	0.87	U	0.87	4.10	ug/Kg
108-90-7	Chlorobenzene	0.75	U	0.75	4.10	ug/Kg
100-41-4	Ethyl Benzene	0.55	U	0.55	4.10	ug/Kg
179601-23-1	m/p-Xylenes	1.00	U	1.00	8.30	ug/Kg
95-47-6	o-Xylene	0.68	U	0.68	4.10	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.10	ug/Kg
75-25-2	Bromoform	0.71	U	0.71	4.10	ug/Kg
98-82-8	Isopropylbenzene	0.64	U	0.64	4.10	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.10	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.10	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.10	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.10	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.10	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.10	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.60	U	2.60	4.10	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	67.9	*	70 (63) - 130 (155)	136%	SPK: 50
1868-53-7	Dibromofluoromethane	57.9		70 (70) - 130 (134)	116%	SPK: 50
2037-26-5	Toluene-d8	50.9		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.5		70 (17) - 130 (146)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	539000	7.713			
540-36-3	1,4-Difluorobenzene	1020000	8.616			
3114-55-4	Chlorobenzene-d5	1000000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	442000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023329.D**

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

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	RPXY4	SDG No.:	Q3058
Lab Sample ID:	Q3058-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85.9
Sample Wt/Vol:	7.05 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023329.D	1	09/10/25 13:12	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
74-88-4	Methyl Iodide	3.00	J		4.01	ug/Kg

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

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

QC SUMMARY

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

SDG No.: Q3058

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3058-01	RPXY5	1,2-Dichloroethane-d4	50	62.0	124		70 (63)	130 (155)
		Dibromofluoromethane	50	54.2	108		70 (70)	130 (134)
		Toluene-d8	50	52.0	104		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.6	109		70 (17)	130 (146)
Q3058-01ME	RPXY5ME	1,2-Dichloroethane-d4	50	50.6	101		70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101		70 (70)	130 (134)
		Toluene-d8	50	46.8	94		70 (74)	130 (123)
		4-Bromofluorobenzene	50	39.8	80		70 (17)	130 (146)
Q3058-02	RPXY4	1,2-Dichloroethane-d4	50	67.9	136	*	70 (63)	130 (155)
		Dibromofluoromethane	50	57.9	116		70 (70)	130 (134)
		Toluene-d8	50	50.9	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.5	111		70 (17)	130 (146)
VN0915MBL01	VN0915MBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	52.3	105		70 (70)	130 (134)
		Toluene-d8	50	48.3	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.6	91		70 (17)	130 (146)
VN0915MBS01	VN0915MBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	45.6	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.4	93		70 (17)	130 (146)
VY0910SBL01	VY0910SBL01	1,2-Dichloroethane-d4	50	61.2	122		70 (63)	130 (155)
		Dibromofluoromethane	50	53.7	107		70 (70)	130 (134)
		Toluene-d8	50	51.7	103		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.4	99		70 (17)	130 (146)
VY0910SBS01	VY0910SBS01	1,2-Dichloroethane-d4	50	49.6	99		70 (63)	130 (155)
		Dibromofluoromethane	50	49.3	99		70 (70)	130 (134)
		Toluene-d8	50	50.5	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.6	101		70 (17)	130 (146)
VY0910SBSD01	VY0910SBSD01	1,2-Dichloroethane-d4	50	48.3	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.5	97		70 (70)	130 (134)
		Toluene-d8	50	49.0	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.7	97		70 (17)	130 (146)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0915MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	2000	1900	ug/Kg	95			40 (52)	160 (151)	
	Vinyl chloride	2000	1900	ug/Kg	95			70 (56)	130 (148)	
	Bromomethane	2000	1600	ug/Kg	80			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	2000	ug/Kg	100			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	7900	ug/Kg	79			40 (40)	160 (171)	
	Carbon disulfide	2000	2000	ug/Kg	100			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1800	ug/Kg	90			70 (77)	130 (129)	
	Methyl Acetate	2000	2000	ug/Kg	100			70 (69)	130 (149)	
	Methylene Chloride	2000	1900	ug/Kg	95			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1700	ug/Kg	85			70 (76)	130 (122)	
	2-Butanone	10000	8600	ug/Kg	86			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	2000	ug/Kg	100			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2200	ug/Kg	110			70 (80)	130 (127)	
	Chloroform	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1600	ug/Kg	80			70 (77)	130 (123)	
	Benzene	2000	1900	ug/Kg	95			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9300	ug/Kg	93			40 (70)	160 (135)	
	Toluene	2000	1900	ug/Kg	95			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1900	ug/Kg	95			70 (82)	130 (125)	
	2-Hexanone	10000	9400	ug/Kg	94			40 (66)	160 (138)	
	Dibromochloromethane	2000	1900	ug/Kg	95			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1900	ug/Kg	95			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (122)	
	Ethyl Benzene	2000	1700	ug/Kg	85			70 (82)	130 (124)	
	m/p-Xylenes	4000	3500	ug/Kg	88			70 (83)	130 (124)	
	o-Xylene	2000	1700	ug/Kg	85			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1900	ug/Kg	95			70 (75)	130 (127)	
	Isopropylbenzene	2000	1600	ug/Kg	80			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087837.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0915MBS01	1,2-Dibromo-3-Chloropropane	2000	1600	ug/Kg	80			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1600	ug/Kg	80			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1600	ug/Kg	80			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0910SBS01	Dichlorodifluoromethane	20	20.8	ug/Kg	104			40 (64)	160 (136)	
	Chloromethane	20	21.7	ug/Kg	109			40 (52)	160 (151)	
	Vinyl chloride	20	21.3	ug/Kg	106			70 (56)	130 (148)	
	Bromomethane	20	22.1	ug/Kg	111			40 (58)	160 (141)	
	Chloroethane	20	21.3	ug/Kg	106			40 (69)	160 (130)	
	Trichlorofluoromethane	20	20.9	ug/Kg	104			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.2	ug/Kg	106			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (40)	160 (171)	
	Carbon disulfide	20	20.5	ug/Kg	103			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			70 (77)	130 (129)	
	Methyl Acetate	20	19.1	ug/Kg	96			70 (69)	130 (149)	
	Methylene Chloride	20	23.2	ug/Kg	116			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.7	ug/Kg	104			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	Cyclohexane	20	20.0	ug/Kg	100			70 (76)	130 (122)	
	2-Butanone	100	100	ug/Kg	100			40 (69)	160 (131)	
	Carbon Tetrachloride	20	20.5	ug/Kg	103			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Bromochloromethane	20	19.9	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	20	20.7	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.9	ug/Kg	104			70 (80)	130 (126)	
	Methylcyclohexane	20	20.2	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.7	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.5	ug/Kg	103			70 (81)	130 (126)	
	Trichloroethene	20	20.9	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.6	ug/Kg	103			70 (83)	130 (122)	
	Bromodichloromethane	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	98.3	ug/Kg	98			40 (70)	160 (135)	
	Toluene	20	21.1	ug/Kg	106			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (125)	
	2-Hexanone	100	100	ug/Kg	100			40 (66)	160 (138)	
	Dibromochloromethane	20	20.5	ug/Kg	103			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.2	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	21.5	ug/Kg	108			70 (83)	130 (125)	
	Chlorobenzene	20	20.2	ug/Kg	101			70 (84)	130 (122)	
	Ethyl Benzene	20	20.2	ug/Kg	101			70 (82)	130 (124)	
	m/p-Xylenes	40	41.2	ug/Kg	103			70 (83)	130 (124)	
	o-Xylene	20	20.1	ug/Kg	101			70 (83)	130 (123)	
	Styrene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	Bromoform	20	20.1	ug/Kg	101			70 (75)	130 (127)	
	Isopropylbenzene	20	20.1	ug/Kg	101			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/Kg	96			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.3	ug/Kg	102			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023323.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0910SBS01	1,2-Dibromo-3-Chloropropane	20	19.3	ug/Kg	97			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.9	ug/Kg	100			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	20.0	ug/Kg	100			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023324.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0910SBSD01	Dichlorodifluoromethane	20	20.9	ug/Kg	104	0		40 (64)	160 (136)	30 (20)
	Chloromethane	20	21.0	ug/Kg	105	4		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	20.8	ug/Kg	104	2		70 (56)	130 (148)	30 (20)
	Bromomethane	20	21.8	ug/Kg	109	2		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.7	ug/Kg	104	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	20.5	ug/Kg	103	1		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	20.2	ug/Kg	101	5		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	19.5	ug/Kg	98	3		70 (79)	130 (121)	30 (20)
	Acetone	100	110	ug/Kg	110	0		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	19.8	ug/Kg	99	4		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	19.8	ug/Kg	99	2		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.4	ug/Kg	102	6		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.3	ug/Kg	112	4		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.1	ug/Kg	101	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.1	ug/Kg	101	3		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	19.7	ug/Kg	99	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	100	ug/Kg	100	0		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	19.7	ug/Kg	99	4		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	3		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	19.8	ug/Kg	99	1		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	3		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.0	ug/Kg	100	4		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.6	ug/Kg	98	3		70 (77)	130 (123)	30 (20)
	Benzene	20	20.3	ug/Kg	102	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.3	ug/Kg	102	1		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.1	ug/Kg	101	3		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.0	ug/Kg	100	3		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.1	ug/Kg	101	1		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	99.0	ug/Kg	99	1		40 (70)	160 (135)	30 (20)
	Toluene	20	20.1	ug/Kg	101	5		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	19.7	ug/Kg	99	1		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	19.7	ug/Kg	99	2		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	2		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	0		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	20.1	ug/Kg	101	2		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	20.0	ug/Kg	100	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	21.2	ug/Kg	106	2		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	0		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	19.9	ug/Kg	100	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	40.5	ug/Kg	101	2		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.9	ug/Kg	100	1		70 (83)	130 (123)	30 (20)
	Styrene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	Bromoform	20	20.4	ug/Kg	102	1		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	19.8	ug/Kg	99	2		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97	1		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.2	ug/Kg	101	0		70 (83)	130 (124)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023324.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0910SBSD01	1,2-Dibromo-3-Chloropropane	20	20.0	ug/Kg	100	3		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	20.3	ug/Kg	102	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	20.2	ug/Kg	101	1		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0915MBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087821.D Lab Sample ID: VN0915MBL01

Date Analyzed: 09/15/2025 Time Analyzed: 09:14

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
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025
RPXY5ME	Q3058-01ME	VN087839.D	09/15/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0910SBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VY023322.D | Lab Sample ID: VY0910SBL01

Date Analyzed: 09/10/2025 | Time Analyzed: 09:39

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

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025
RPXY5	Q3058-01	VY023328.D	09/10/2025
RPXY4	Q3058-02	VY023329.D	09/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VN087614.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:30

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	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VN087819.D | BFB Injection Date: 09/15/2025

Instrument ID: MSVOA_N | BFB Injection Time: 08:18

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	23.1
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	74.1
175	5.0 - 9.0% of mass 174	6.3 (8.5) 1
176	95.0 - 101.0% of mass 174	70.8 (95.4) 1
177	5.0 - 9.0% of mass 176	4.8 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087820.D	09/15/2025	08:39
VN0915MBL01	VN0915MBL01	VN087821.D	09/15/2025	09:14
VN0915MBS01	VN0915MBS01	VN087837.D	09/15/2025	15:02
RPXY5ME	Q3058-01ME	VN087839.D	09/15/2025	15:43

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VY023302.D | BFB Injection Date: 09/08/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 09:07

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.3
75	30.0 - 60.0% of mass 95	49.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.2
173	Less than 2.0% of mass 174	1.1 (1.2) 1
174	50.0 - 100.0% of mass 95	90.6
175	5.0 - 9.0% of mass 174	6.9 (7.6) 1
176	95.0 - 101.0% of mass 174	89.4 (98.7) 1
177	5.0 - 9.0% of mass 176	5.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY023303.D	09/08/2025	10:00
VSTDICC010	VSTDICC010	VY023304.D	09/08/2025	10:23
VSTDICC020	VSTDICC020	VY023305.D	09/08/2025	11:01
VSTDICCC050	VSTDICCC050	VY023306.D	09/08/2025	11:23
VSTDICC100	VSTDICC100	VY023307.D	09/08/2025	11:46
VSTDICC150	VSTDICC150	VY023308.D	09/08/2025	12:08

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VY023320.D | BFB Injection Date: 09/10/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:38

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

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.4
75	30.0 - 60.0% of mass 95	49.8
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1 (1.1) 1
174	50.0 - 100.0% of mass 95	93.1
175	5.0 - 9.0% of mass 174	6.9 (7.4) 1
176	95.0 - 101.0% of mass 174	88.6 (95.1) 1
177	5.0 - 9.0% of mass 176	5.8 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY023321.D	09/10/2025	09:09
VY0910SBL01	VY0910SBL01	VY023322.D	09/10/2025	09:39
VY0910SBS01	VY0910SBS01	VY023323.D	09/10/2025	10:11
VY0910SBSD01	VY0910SBSD01	VY023324.D	09/10/2025	10:33
RPXY5	Q3058-01	VY023328.D	09/10/2025	12:49
RPXY4	Q3058-02	VY023329.D	09/10/2025	13:12

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087820.D Date Analyzed: 09/15/2025

Instrument ID: MSVOA_N Time Analyzed: 08:39

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	257288	8.21	490599	9.08	467132	11.84
UPPER LIMIT	514576	8.706	981198	9.582	934264	12.341
LOWER LIMIT	128644	7.706	245300	8.582	233566	11.341
EPA SAMPLE NO.						
RPXY5ME	191442	8.20	434787	9.08	386645	11.85
VN0915MBL01	198222	8.21	425993	9.08	408687	11.85
VN0915MBS01	204697	8.21	405190	9.08	394337	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: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087820.D Date Analyzed: 09/15/2025

Instrument ID: MSVOA_N Time Analyzed: 08:39

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

	IS4 AREA #	RT #				
12 HOUR STD	259703	13.765				
UPPER LIMIT	519406	14.265				
LOWER LIMIT	129852	13.265				
EPA SAMPLE NO.						
RPXY5ME	170499	13.77				
VN0915MBL01	193776	13.77				
VN0915MBS01	213436	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VY023321.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	519574	7.71	748186	8.62	662487	11.42
UPPER LIMIT	1039150	8.213	1496370	9.115	1324970	11.92
LOWER LIMIT	259787	7.213	374093	8.115	331244	10.92
EPA SAMPLE NO.						
RPXY5	542076	7.71	1032321	8.62	977441	11.41
RPXY4	539229	7.71	1018906	8.62	1004230	11.41
VY0910SBL01	583431	7.71	1118169	8.62	1034716	11.42
VY0910SBS01	502093	7.71	763457	8.62	676997	11.42
VY0910SBSD01	502400	7.71	765892	8.62	669720	11.41

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: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VY023321.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:09

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

	IS4 AREA #	RT #				
12 HOUR STD	341214	13.346				
UPPER LIMIT	682428	13.846				
LOWER LIMIT	170607	12.846				
EPA SAMPLE NO.						
RPXY5	418953	13.35				
RPXY4	442394	13.35				
VY0910SBL01	415042	13.35				
VY0910SBS01	350574	13.35				
VY0910SBSD01	341290	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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

QC SAMPLE DATA

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	110	U	110	500	ug/Kg
74-87-3	Chloromethane	110	U	110	500	ug/Kg
75-01-4	Vinyl Chloride	79.0	U	79.0	500	ug/Kg
74-83-9	Bromomethane	110	U	110	500	ug/Kg
75-00-3	Chloroethane	130	U	130	500	ug/Kg
75-69-4	Trichlorofluoromethane	120	U	120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	110	U	110	500	ug/Kg
75-35-4	1,1-Dichloroethene	100	U	100	500	ug/Kg
67-64-1	Acetone	470	U	470	2500	ug/Kg
75-15-0	Carbon Disulfide	110	U	110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	73.0	U	73.0	500	ug/Kg
79-20-9	Methyl Acetate	150	U	150	500	ug/Kg
75-09-2	Methylene Chloride	350	U	350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	86.0	U	86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	80.0	U	80.0	500	ug/Kg
110-82-7	Cyclohexane	79.0	U	79.0	500	ug/Kg
78-93-3	2-Butanone	650	U	650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	97.0	U	97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	75.0	U	75.0	500	ug/Kg
74-97-5	Bromochloromethane	120	U	120	500	ug/Kg
67-66-3	Chloroform	84.0	U	84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	93.0	U	93.0	500	ug/Kg
108-87-2	Methylcyclohexane	91.0	U	91.0	500	ug/Kg
71-43-2	Benzene	79.0	U	79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	79.0	U	79.0	500	ug/Kg
79-01-6	Trichloroethene	81.0	U	81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	91.0	U	91.0	500	ug/Kg
75-27-4	Bromodichloromethane	78.0	U	78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	360	U	360	2500	ug/Kg
108-88-3	Toluene	78.0	U	78.0	500	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	52.3		70 (70) - 130 (134)	105%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.206			
540-36-3	1,4-Difluorobenzene	426000	9.083			
3114-55-4	Chlorobenzene-d5	409000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	194000	13.771			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBL01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087821.D	1	09/15/25 09:14	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	5.00	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	0.79	U	0.79	5.00	ug/Kg
74-83-9	Bromomethane	1.10	U	1.10	5.00	ug/Kg
75-00-3	Chloroethane	1.30	U	1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.10	U	1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	1.00	U	1.00	5.00	ug/Kg
67-64-1	Acetone	4.70	U	4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	1.10	U	1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.73	U	0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	3.50	U	3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.86	U	0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	0.80	U	0.80	5.00	ug/Kg
110-82-7	Cyclohexane	0.79	U	0.79	5.00	ug/Kg
78-93-3	2-Butanone	6.50	U	6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	0.97	U	0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.75	U	0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	1.20	U	1.20	5.00	ug/Kg
67-66-3	Chloroform	0.84	U	0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.93	U	0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	0.91	U	0.91	5.00	ug/Kg
71-43-2	Benzene	0.79	U	0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	0.79	U	0.79	5.00	ug/Kg
79-01-6	Trichloroethene	0.81	U	0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	0.91	U	0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	0.78	U	0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.60	U	3.60	25.0	ug/Kg
108-88-3	Toluene	0.78	U	0.78	5.00	ug/Kg

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.65	U	0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.62	U	0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.92	U	0.92	5.00	ug/Kg
591-78-6	2-Hexanone	3.70	U	3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	0.87	U	0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	0.88	U	0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	1.10	U	1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	0.91	U	0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	0.67	U	0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	10.0	ug/Kg
95-47-6	o-Xylene	0.82	U	0.82	5.00	ug/Kg
100-42-5	Styrene	0.71	U	0.71	5.00	ug/Kg
75-25-2	Bromoform	0.86	U	0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	0.78	U	0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.70	U	1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.60	U	1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.50	U	1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.00	U	3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.20	U	3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	61.2		70 (63) - 130 (155)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	53.7		70 (70) - 130 (134)	107%	SPK: 50
2037-26-5	Toluene-d8	51.7		70 (74) - 130 (123)	103%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.4		70 (17) - 130 (146)	99%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	583000	7.713			
540-36-3	1,4-Difluorobenzene	1120000	8.615			
3114-55-4	Chlorobenzene-d5	1030000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	415000	13.346			

Raw Data: **VY023322.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBL01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023322.D	1	09/10/25 09:39	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1900		110	500	ug/Kg
75-01-4	Vinyl Chloride	1900		79.0	500	ug/Kg
74-83-9	Bromomethane	1600		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	2000		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	7900		470	2500	ug/Kg
75-15-0	Carbon Disulfide	2000		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1800		73.0	500	ug/Kg
79-20-9	Methyl Acetate	2000		150	500	ug/Kg
75-09-2	Methylene Chloride	1900		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1700		79.0	500	ug/Kg
78-93-3	2-Butanone	8600		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	2000		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2200		120	500	ug/Kg
67-66-3	Chloroform	1900		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1600		91.0	500	ug/Kg
71-43-2	Benzene	1900		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1900		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1900		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9300		360	2500	ug/Kg
108-88-3	Toluene	1900		78.0	500	ug/Kg

Raw Data: **VN087837.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1900		92.0	500	ug/Kg
591-78-6	2-Hexanone	9400		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1900		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1900		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1700		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1700		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3500		120	1000	ug/Kg
95-47-6	o-Xylene	1700		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1900		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1600		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1700		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1600		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1600		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1600		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	45.6		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.4		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	205000	8.212			
540-36-3	1,4-Difluorobenzene	405000	9.082			
3114-55-4	Chlorobenzene-d5	394000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	213000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0915MBS01	SDG No.:	Q3058
Lab Sample ID:	VN0915MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087837.D	1	09/15/25 15:02	VN091525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.8		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	21.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	21.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	19.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.7		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.7		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.0		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.5		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.6		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.9		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.9		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.2		0.91	5.00	ug/Kg
71-43-2	Benzene	20.7		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.6		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.3		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	98.3		3.60	25.0	ug/Kg
108-88-3	Toluene	21.1		0.78	5.00	ug/Kg

Raw Data: **VY023323.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.6		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.5		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.5		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.2		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.1		0.82	5.00	ug/Kg
100-42-5	Styrene	20.5		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.1		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.2		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.0		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.3		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.3		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.9		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.6		70 (63) - 130 (155)	99%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.6		70 (17) - 130 (146)	101%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	502000	7.713			
540-36-3	1,4-Difluorobenzene	763000	8.616			
3114-55-4	Chlorobenzene-d5	677000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	351000	13.346			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBS01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023323.D	1	09/10/25 10:11	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBSD01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.9		1.10	5.00	ug/Kg
74-87-3	Chloromethane	21.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.8		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.7		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.5		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.2		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	19.5		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.8		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.8		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.4		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.1		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.1		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	19.7		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.8		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.0		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.3		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.1		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.1		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Raw Data: **VY023324.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBSD01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.7		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.7		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.1		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.2		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.9		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	40.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.9		0.82	5.00	ug/Kg
100-42-5	Styrene	20.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	19.8		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	19.3		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.2		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.0		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	20.2		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.3		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	49.0		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.7		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	502000	7.713			
540-36-3	1,4-Difluorobenzene	766000	8.616			
3114-55-4	Chlorobenzene-d5	670000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	341000	13.346			

Raw Data: **VY023324.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VY0910SBSD01	SDG No.:	Q3058
Lab Sample ID:	VY0910SBSD01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOC-TCLVOA-10
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VY023324.D	1	09/10/25 10:33	VY091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
Dibromochloromethane	0.535	0.440	0.458	0.466	0.465	0.468	0.472	6.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.471	0.447	0.434	0.365	0.345	0.345	0.401	13.9
Chloromethane	0.661	0.637	0.604	0.534	0.507	0.502	0.574	12
Vinyl Chloride	0.800	0.786	0.757	0.695	0.653	0.647	0.723	9.3
Bromomethane	0.709	0.630	0.611	0.533	0.524	0.537	0.590	12.4
Chloroethane	0.544	0.529	0.504	0.471	0.447	0.441	0.489	8.8
Trichlorofluoromethane	0.990	0.998	0.953	0.870	0.843	0.822	0.913	8.4
1,1,2-Trichlorotrifluoroethane	0.556	0.524	0.511	0.470	0.446	0.437	0.491	9.6
1,1-Dichloroethene	0.501	0.504	0.481	0.458	0.446	0.443	0.472	5.7
Acetone	0.112	0.110	0.096	0.100	0.095	0.087	0.100	9.3
Carbon Disulfide	1.643	1.589	1.553	1.452	1.383	1.351	1.495	7.9
Methyl tert-butyl Ether	1.070	1.130	1.123	1.121	1.121	1.096	1.110	2
Methyl Acetate	0.255	0.275	0.254	0.233	0.235	0.220	0.245	8.1
Methylene Chloride	0.654	0.569	0.542	0.503	0.478	0.467	0.535	13
trans-1,2-Dichloroethene	0.555	0.544	0.542	0.519	0.506	0.498	0.528	4.4
1,1-Dichloroethane	0.918	0.913	0.899	0.844	0.823	0.816	0.869	5.3
Cyclohexane	0.882	0.799	0.790	0.728	0.711	0.704	0.769	8.9
2-Butanone	0.123	0.130	0.126	0.122	0.123	0.116	0.123	3.7
Carbon Tetrachloride	0.513	0.525	0.506	0.503	0.483	0.475	0.501	3.7
cis-1,2-Dichloroethene	0.595	0.617	0.606	0.592	0.590	0.586	0.597	2
Bromochloromethane	0.376	0.357	0.355	0.329	0.317	0.317	0.342	7.1
Chloroform	0.994	0.996	0.961	0.907	0.878	0.865	0.934	6.2
1,1,1-Trichloroethane	0.885	0.889	0.860	0.807	0.785	0.778	0.834	6
Methylcyclohexane	0.529	0.531	0.559	0.580	0.571	0.571	0.557	3.9
Benzene	1.380	1.361	1.391	1.369	1.318	1.299	1.353	2.7
1,2-Dichloroethane	0.357	0.367	0.352	0.344	0.330	0.318	0.344	5.2
Trichloroethene	0.387	0.378	0.388	0.381	0.369	0.359	0.377	3
1,2-Dichloropropane	0.313	0.315	0.316	0.305	0.297	0.288	0.306	3.6
Bromodichloromethane	0.476	0.487	0.474	0.474	0.453	0.445	0.468	3.4
4-Methyl-2-Pentanone	0.156	0.170	0.173	0.181	0.181	0.173	0.172	5.3
Toluene	0.794	0.831	0.885	0.896	0.879	0.868	0.859	4.5

* 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 ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_Y Calibration Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Calibration Time(s): 10:00 12:08

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

LAB FILE ID: RRF005 = VY023303.D RRF010 = VY023304.D RRF020 = VY023305.D
RRF050 = VY023306.D RRF100 = VY023307.D RRF150 = VY023308.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.374	0.395	0.401	0.420	0.417	0.410	0.403	4.2
cis-1,3-Dichloropropene	0.450	0.477	0.492	0.497	0.491	0.483	0.482	3.6
1,1,2-Trichloroethane	0.250	0.256	0.250	0.250	0.244	0.235	0.248	3
2-Hexanone	0.106	0.116	0.120	0.126	0.127	0.120	0.119	6.6
Dibromochloromethane	0.334	0.340	0.338	0.343	0.334	0.326	0.336	1.8
1,2-Dibromoethane	0.232	0.234	0.236	0.235	0.231	0.223	0.232	2
Tetrachloroethene	0.534	0.483	0.546	0.512	0.472	0.442	0.498	7.9
Chlorobenzene	1.113	1.087	1.124	1.106	1.081	1.061	1.095	2.1
Ethyl Benzene	1.664	1.694	1.828	1.874	1.848	1.828	1.790	4.9
m/p-Xylenes	0.655	0.682	0.738	0.753	0.735	0.736	0.717	5.4
o-Xylene	0.587	0.613	0.676	0.703	0.699	0.701	0.663	7.6
Styrene	0.925	1.020	1.127	1.187	1.172	1.165	1.099	9.5
Bromoform	0.232	0.230	0.229	0.231	0.228	0.223	0.229	1.5
Isopropylbenzene	3.112	3.173	3.434	3.542	3.466	3.482	3.368	5.3
1,1,2,2-Tetrachloroethane	0.564	0.627	0.549	0.557	0.554	0.541	0.565	5.6
1,3-Dichlorobenzene	1.712	1.672	1.704	1.742	1.688	1.699	1.703	1.4
1,4-Dichlorobenzene	1.775	1.681	1.711	1.695	1.632	1.624	1.686	3.3
1,2-Dichlorobenzene	1.508	1.480	1.491	1.513	1.467	1.448	1.485	1.7
1,2-Dibromo-3-Chloropropane	0.096	0.089	0.089	0.087	0.087	0.084	0.089	4.4
1,2,4-Trichlorobenzene	0.786	0.797	0.844	0.905	0.924	0.940	0.866	7.7
1,2,3-Trichlorobenzene	0.697	0.704	0.733	0.787	0.786	0.805	0.752	6.2
1,2-Dichloroethane-d4	0.472	0.456	0.455	0.430	0.417	0.407	0.439	5.8
Dibromofluoromethane	0.300	0.313	0.311	0.312	0.300	0.300	0.306	2.2
Toluene-d8	1.121	1.125	1.176	1.187	1.155	1.159	1.154	2.3
4-Bromofluorobenzene	0.355	0.339	0.363	0.378	0.373	0.371	0.363	4

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3058
Instrument ID: MSVOA_N
Calibration Date/Time: 09/15/2025 08:39
Lab File ID: VN087820.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.674		-5.07	20
Chloromethane	0.730	0.685	0.1	-6.16	20
Vinyl Chloride	0.846	0.784		-7.33	20
Bromomethane	0.437	0.354		-18.99	20
Chloroethane	0.595	0.533		-10.42	20
Trichlorofluoromethane	1.240	1.187		-4.27	20
1,1,2-Trichlorotrifluoroethane	0.701	0.651		-7.13	20
1,1-Dichloroethene	0.721	0.665		-7.77	20
Acetone	0.558	0.511		-8.42	20
Carbon Disulfide	1.985	1.956		-1.46	20
Methyl tert-butyl Ether	2.704	2.560		-5.32	20
Methyl Acetate	1.168	1.112		-4.8	20
Methylene Chloride	0.948	0.796		-16.03	20
trans-1,2-Dichloroethene	0.781	0.739		-5.38	20
1,1-Dichloroethane	1.546	1.420	0.1	-8.15	20
Cyclohexane	1.289	1.117		-13.34	20
2-Butanone	0.734	0.692		-5.72	20
Carbon Tetrachloride	0.547	0.551		0.73	20
cis-1,2-Dichloroethene	0.934	0.888		-4.93	20
Bromochloromethane	0.747	0.731		-2.14	20
Chloroform	1.578	1.540		-2.41	20
1,1,1-Trichloroethane	1.337	1.270		-5.01	20
Methylcyclohexane	0.610	0.567		-7.05	20
Benzene	1.699	1.692		-0.41	20
1,2-Dichloroethane	0.653	0.615		-5.82	20
Trichloroethene	0.388	0.380		-2.06	20
1,2-Dichloropropane	0.448	0.427		-4.69	20
Bromodichloromethane	0.653	0.644		-1.38	20
4-Methyl-2-Pentanone	0.713	0.714		0.14	20
Toluene	1.053	1.045		-0.76	20
t-1,3-Dichloropropene	0.676	0.681		0.74	20
cis-1,3-Dichloropropene	0.702	0.706		0.57	20
1,1,2-Trichloroethane	0.407	0.423		3.93	20
2-Hexanone	0.451	0.493		9.31	20
Dibromochloromethane	0.472	0.494		4.66	20
1,2-Dibromoethane	0.430	0.445		3.49	20
Tetrachloroethene	0.347	0.329		-5.19	20
Chlorobenzene	1.244	1.210	0.3	-2.73	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date/Time: 09/15/2025 08:39

Lab File ID: VN087820.D Init. Calib. Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:09 14:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	2.096		-2.69	20
m/p-Xylenes	0.790	0.800		1.27	20
o-Xylene	0.774	0.760		-1.81	20
Styrene	1.297	1.352		4.24	20
Bromoform	0.317	0.354	0.1	11.67	20
Isopropylbenzene	4.040	3.523		-12.8	20
1,1,2,2-Tetrachloroethane	1.391	1.270	0.3	-8.7	20
1,3-Dichlorobenzene	1.876	1.742		-7.14	20
1,4-Dichlorobenzene	1.952	1.779		-8.86	20
1,2-Dichlorobenzene	1.780	1.694		-4.83	20
1,2-Dibromo-3-Chloropropane	0.330	0.283		-14.24	20
1,2,4-Trichlorobenzene	1.069	1.018		-4.77	20
1,2,3-Trichlorobenzene	1.045	0.985		-5.74	20
1,2-Dichloroethane-d4	1.024	1.010		-1.37	20
Dibromofluoromethane	0.361	0.390		8.03	20
Toluene-d8	1.351	1.382		2.3	20
4-Bromofluorobenzene	0.481	0.505		4.99	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3058
Instrument ID: MSVOA_Y
Calibration Date/Time: 09/10/2025 09:09
Lab File ID: VY023321.D
Init. Calib. Date(s): 09/08/2025 09/08/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 10:00 12:08
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.401	0.365		-8.98	20
Chloromethane	0.574	0.562	0.1	-2.09	20
Vinyl Chloride	0.723	0.711		-1.66	20
Bromomethane	0.590	0.544		-7.8	20
Chloroethane	0.489	0.487		-0.41	20
Trichlorofluoromethane	0.913	0.907		-0.66	20
1,1,2-Trichlorotrifluoroethane	0.491	0.482		-1.83	20
1,1-Dichloroethene	0.472	0.460		-2.54	20
Acetone	0.100	0.115		15	20
Carbon Disulfide	1.495	1.461		-2.27	20
Methyl tert-butyl Ether	1.110	1.081		-2.61	20
Methyl Acetate	0.245	0.230		-6.12	20
Methylene Chloride	0.535	0.538		0.56	20
trans-1,2-Dichloroethene	0.528	0.524		-0.76	20
1,1-Dichloroethane	0.869	0.854	0.1	-1.73	20
Cyclohexane	0.769	0.736		-4.29	20
2-Butanone	0.123	0.128		4.07	20
Carbon Tetrachloride	0.501	0.526		4.99	20
cis-1,2-Dichloroethene	0.597	0.594		-0.5	20
Bromochloromethane	0.342	0.335		-2.05	20
Chloroform	0.934	0.915		-2.03	20
1,1,1-Trichloroethane	0.834	0.831		-0.36	20
Methylcyclohexane	0.557	0.600		7.72	20
Benzene	1.353	1.411		4.29	20
1,2-Dichloroethane	0.344	0.352		2.33	20
Trichloroethene	0.377	0.392		3.98	20
1,2-Dichloropropane	0.306	0.314		2.61	20
Bromodichloromethane	0.468	0.482		2.99	20
4-Methyl-2-Pentanone	0.172	0.179		4.07	20
Toluene	0.859	0.926		7.8	20
t-1,3-Dichloropropene	0.403	0.417		3.47	20
cis-1,3-Dichloropropene	0.482	0.499		3.53	20
1,1,2-Trichloroethane	0.248	0.253		2.02	20
2-Hexanone	0.119	0.132		10.92	20
Dibromochloromethane	0.336	0.353		5.06	20
1,2-Dibromoethane	0.232	0.240		3.45	20
Tetrachloroethene	0.498	0.538		8.03	20
Chlorobenzene	1.095	1.134	0.3	3.56	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_Y Calibration Date/Time: 09/10/2025 09:09

Lab File ID: VY023321.D Init. Calib. Date(s): 09/08/2025 09/08/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 10:00 12:08

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.790	1.942		8.49	20
m/p-Xylenes	0.717	0.782		9.07	20
o-Xylene	0.663	0.719		8.45	20
Styrene	1.099	1.196		8.83	20
Bromoform	0.229	0.234	0.1	2.18	20
Isopropylbenzene	3.368	3.621		7.51	20
1,1,2,2-Tetrachloroethane	0.565	0.553	0.3	-2.12	20
1,3-Dichlorobenzene	1.703	1.741		2.23	20
1,4-Dichlorobenzene	1.686	1.695		0.53	20
1,2-Dichlorobenzene	1.485	1.502		1.14	20
1,2-Dibromo-3-Chloropropane	0.089	0.086		-3.37	20
1,2,4-Trichlorobenzene	0.866	0.881		1.73	20
1,2,3-Trichlorobenzene	0.752	0.762		1.33	20
1,2-Dichloroethane-d4	0.439	0.427		-2.73	20
Dibromofluoromethane	0.306	0.315		2.94	20
Toluene-d8	1.154	1.218		5.55	20
4-Bromofluorobenzene	0.363	0.388		6.89	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_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Quant Time: Sep 11 03:49:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	542076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1032321	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	977441	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	418953	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	295336	62.002	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 124.000%			
35) Dibromofluoromethane	7.634	113	341940	54.188	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 108.380%			
50) Toluene-d8	10.109	98	1240309	52.053	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 104.100%			
62) 4-Bromofluorobenzene	12.407	95	409365	54.593	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 109.180%			
Target Compounds						Qvalue
16) Acetone	3.866	43	12220m	11.263	ug/l	
20) Methylene Chloride	4.622	84	22696	3.910	ug/l	91
52) Toluene	10.170	92	45192	2.549	ug/l	98
67) Ethyl Benzene	11.517	91	3721737	106.388	ug/l	97
68) m/p-Xylenes	11.627	106	5242152	374.226	ug/l	92
69) o-Xylene	11.956	106	1255978	96.856	ug/l	98

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

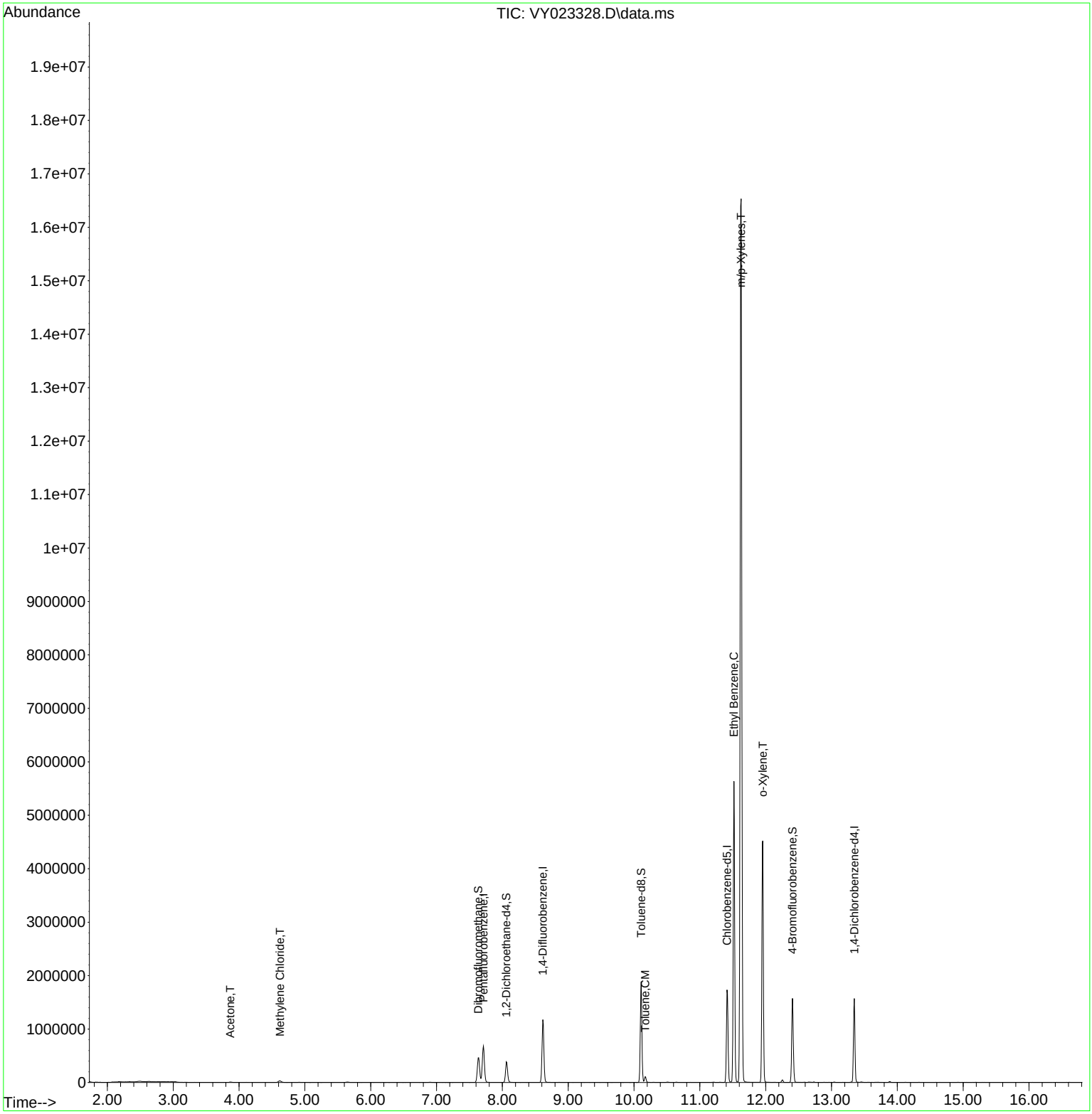
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

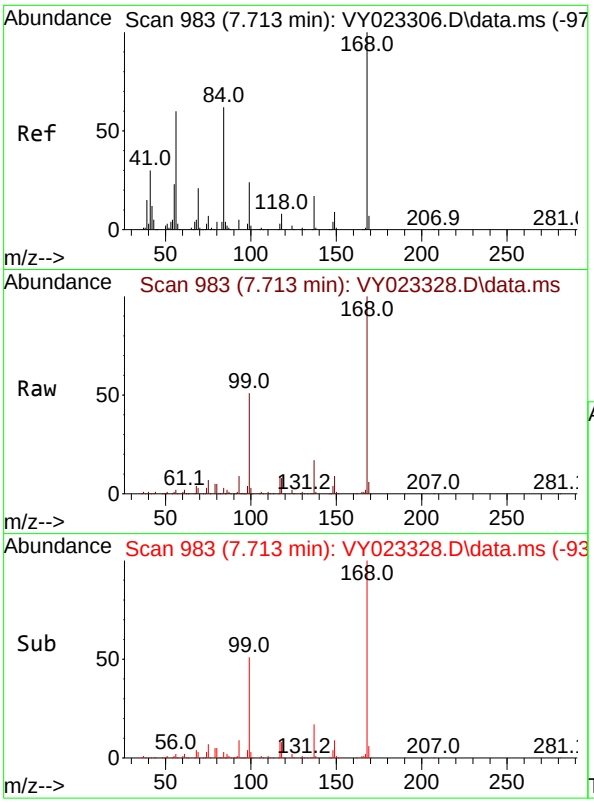
Quant Time: Sep 11 03:49:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

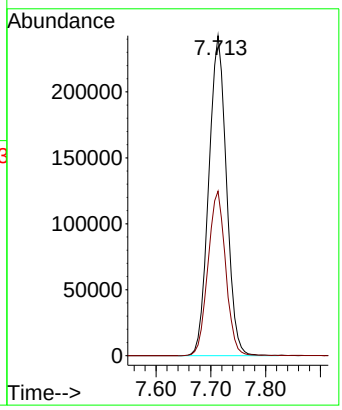




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:168 Resp: 54207

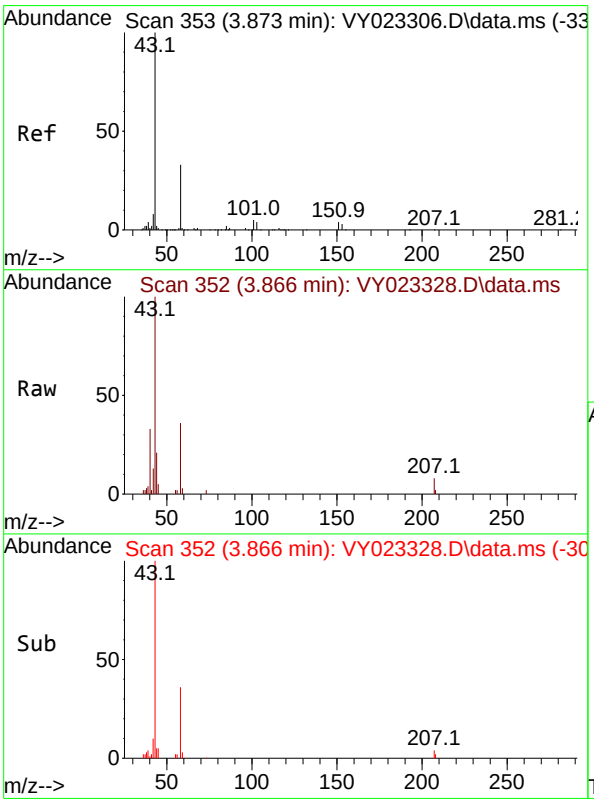
Ion	Ratio	Lower	Upper
168	100		
99	51.4	42.8	64.2



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

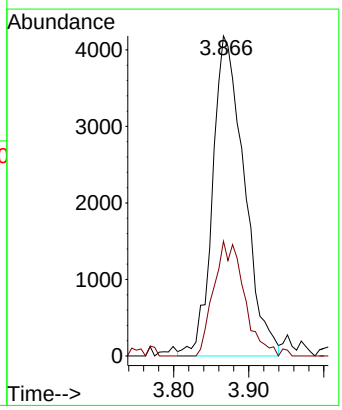
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

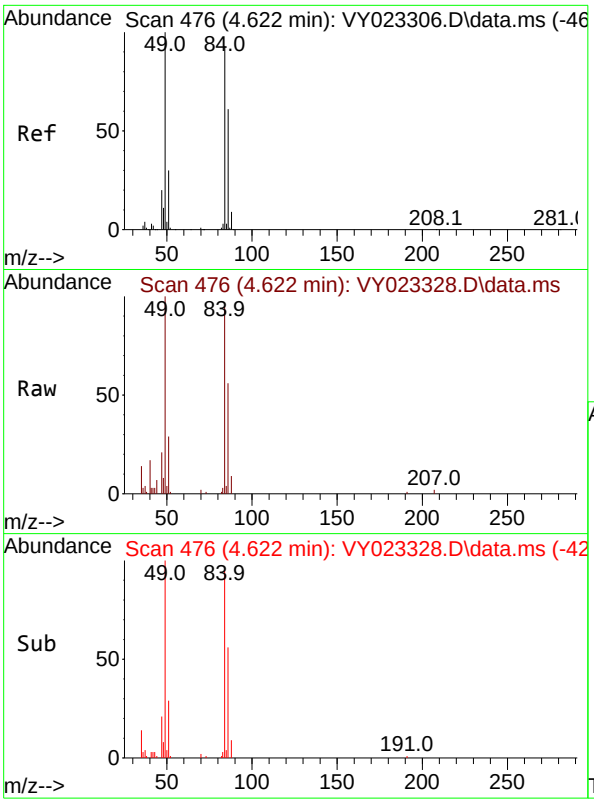


#16
Acetone
Concen: 11.263 ug/l m
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 43 Resp: 12220

Ion	Ratio	Lower	Upper
43	100		
58	35.9	27.1	40.7

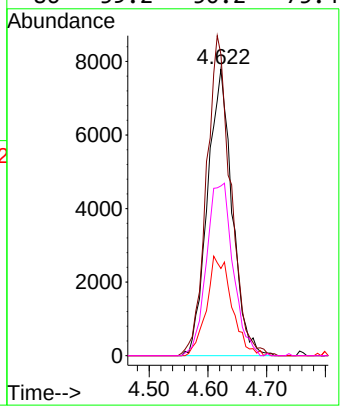




#20
Methylene Chloride
Concen: 3.910 ug/l
RT: 4.622 min Scan# 4
Delta R.T. 0.018 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 84 Resp: 2269

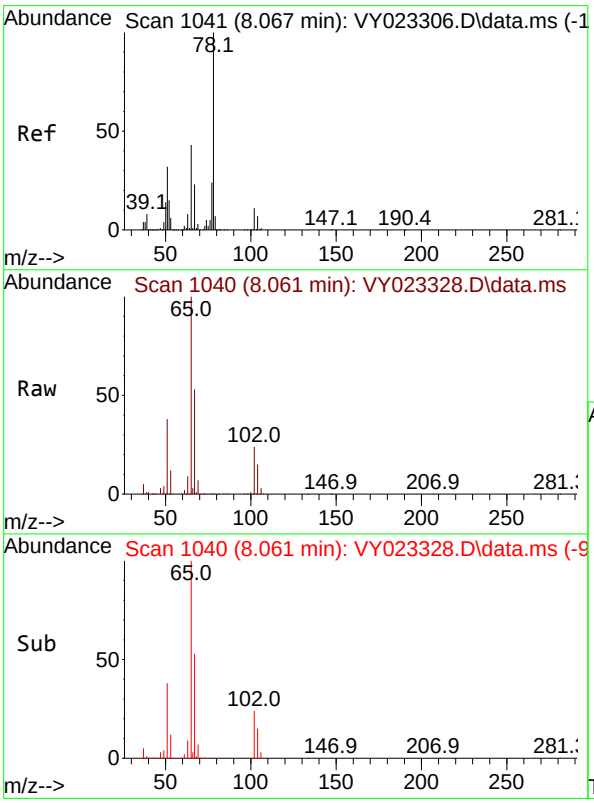
Ion	Ratio	Lower	Upper
84	100		
49	105.1	93.0	139.6
51	30.5	29.0	43.4
86	59.2	50.2	75.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

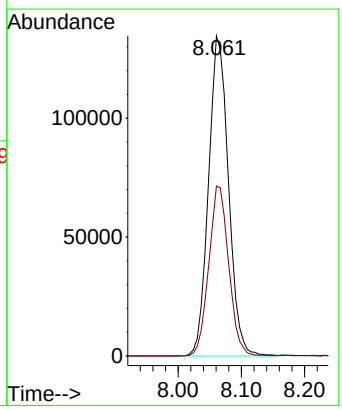
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

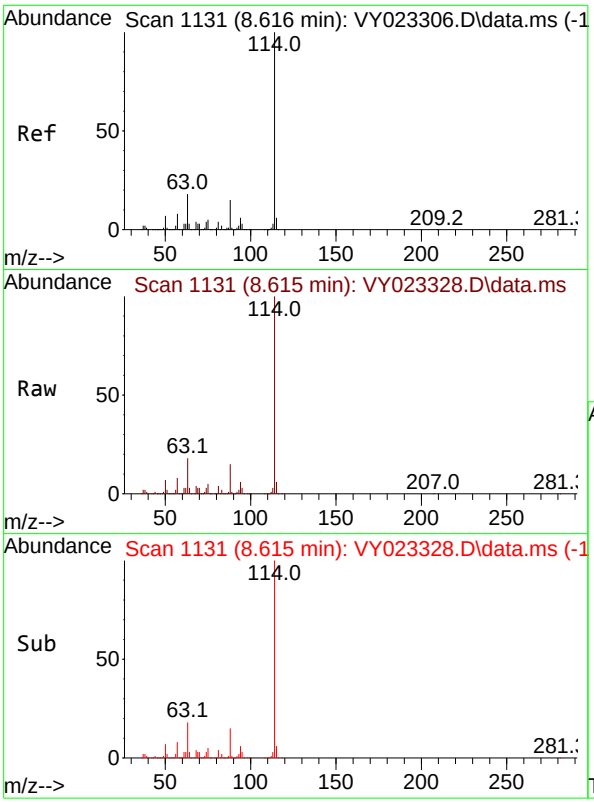


#33
1,2-Dichloroethane-d4
Concen: 62.002 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 65 Resp: 295336

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

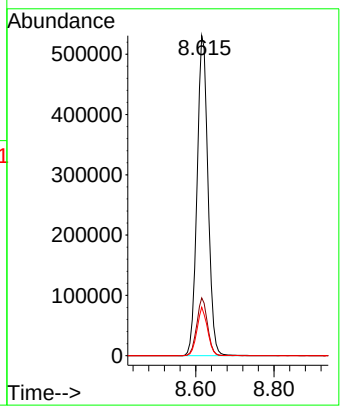




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:114 Resp: 103232

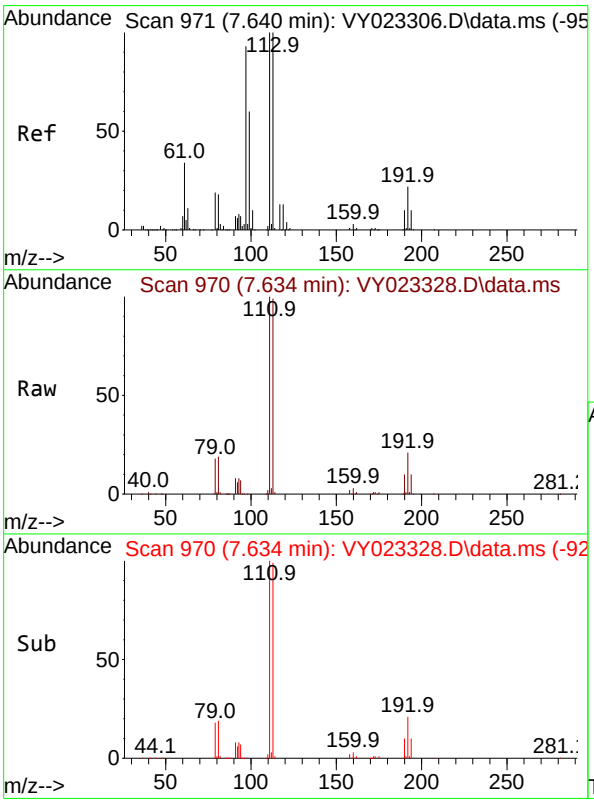
Ion	Ratio	Lower	Upper
114	100		
63	18.0	0.0	38.4
88	15.2	0.0	30.0



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

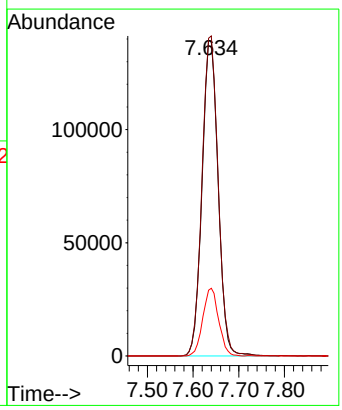
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

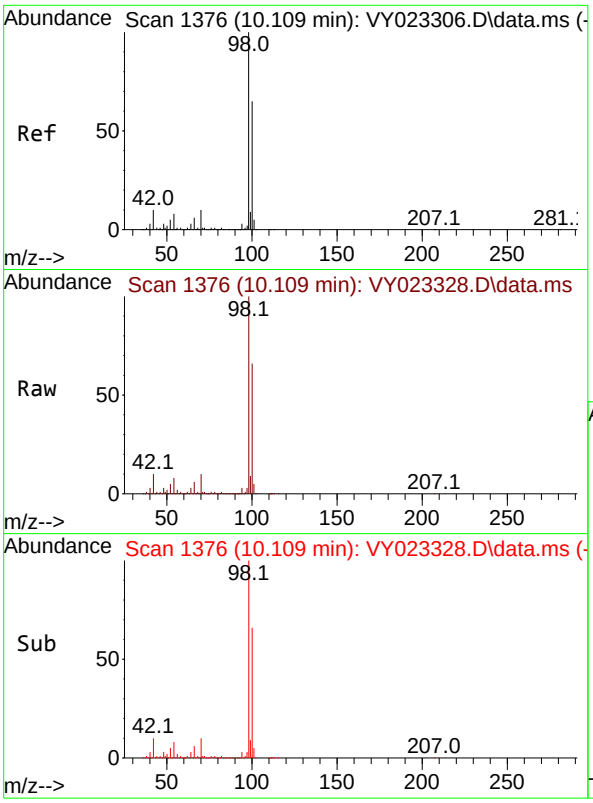


#35
Dibromofluoromethane
Concen: 54.188 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:113 Resp: 341940

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	21.1	16.2	24.4

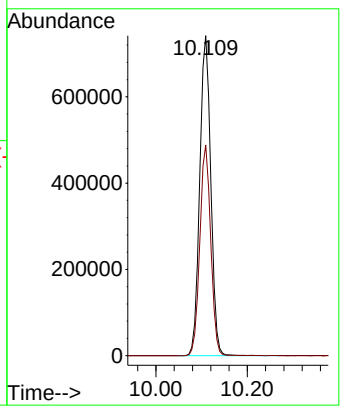




#50
Toluene-d8
Concen: 52.053 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 98 Resp: 124030

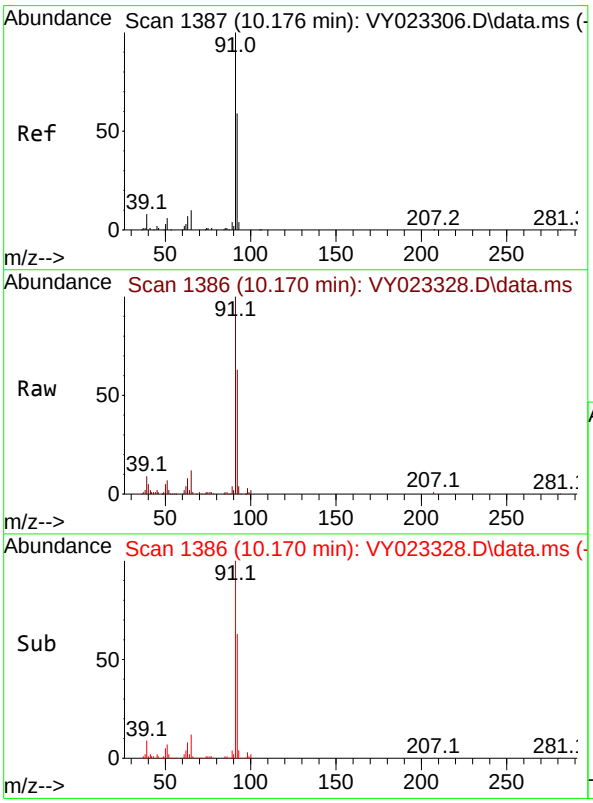
Ion	Ratio	Lower	Upper
98	100		
100	64.8	52.3	78.5



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

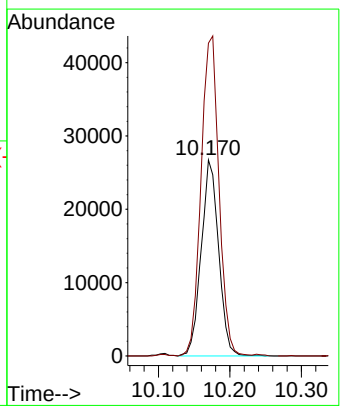
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

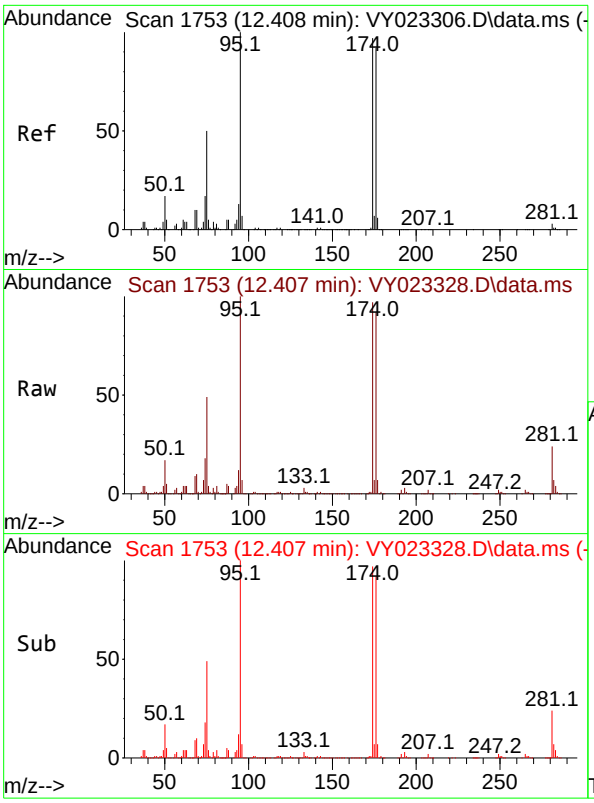


#52
Toluene
Concen: 2.549 ug/l
RT: 10.170 min Scan# 1386
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 92 Resp: 45192

Ion	Ratio	Lower	Upper
92	100		
91	168.3	136.4	204.6

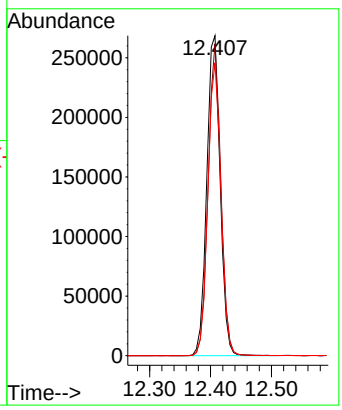




#62
4-Bromofluorobenzene
Concen: 54.593 ug/l
RT: 12.407 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 95 Resp: 40936

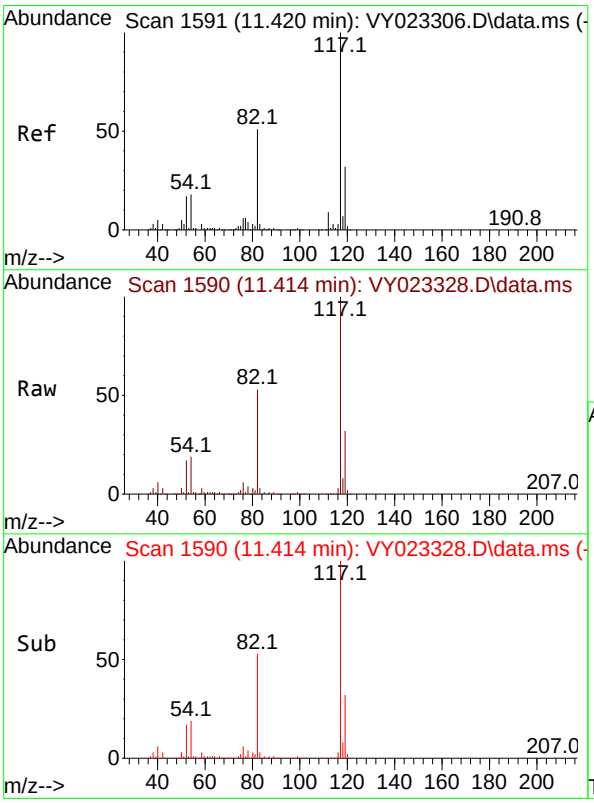
Ion	Ratio	Lower	Upper
95	100		
174	93.3	0.0	171.6
176	89.7	0.0	167.6



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

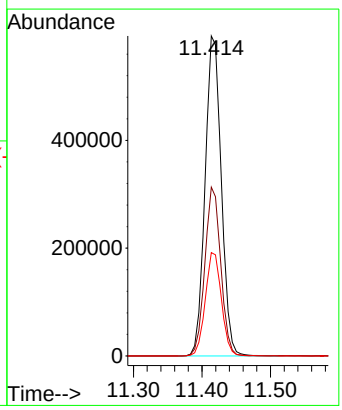
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

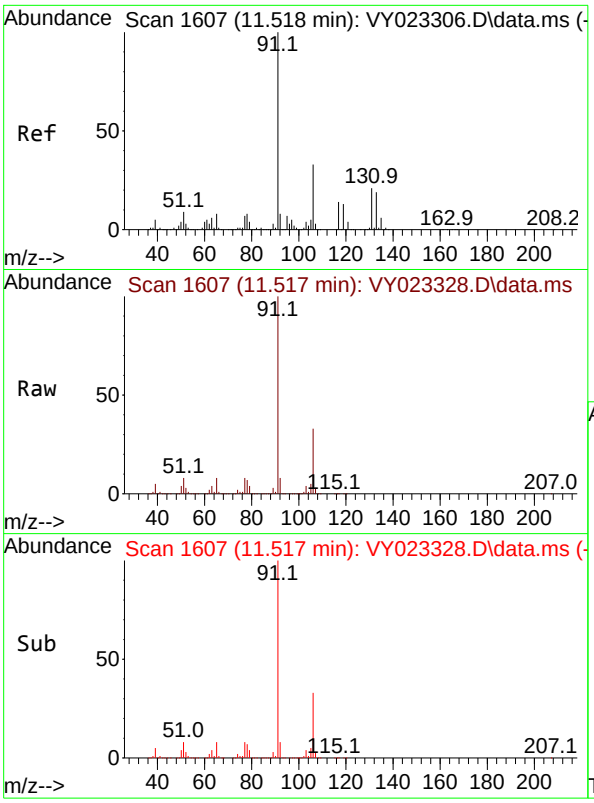


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:117 Resp: 977441

Ion	Ratio	Lower	Upper
117	100		
82	52.7	43.4	65.0
119	32.3	25.6	38.4

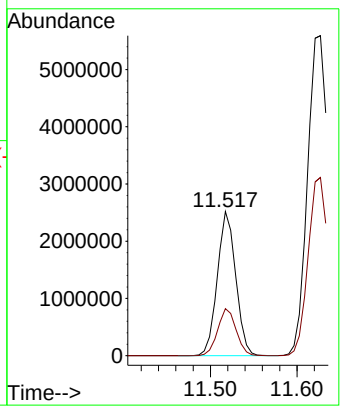




#67
Ethyl Benzene
Concen: 106.388 ug/l
RT: 11.517 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion: 91 Resp: 372173

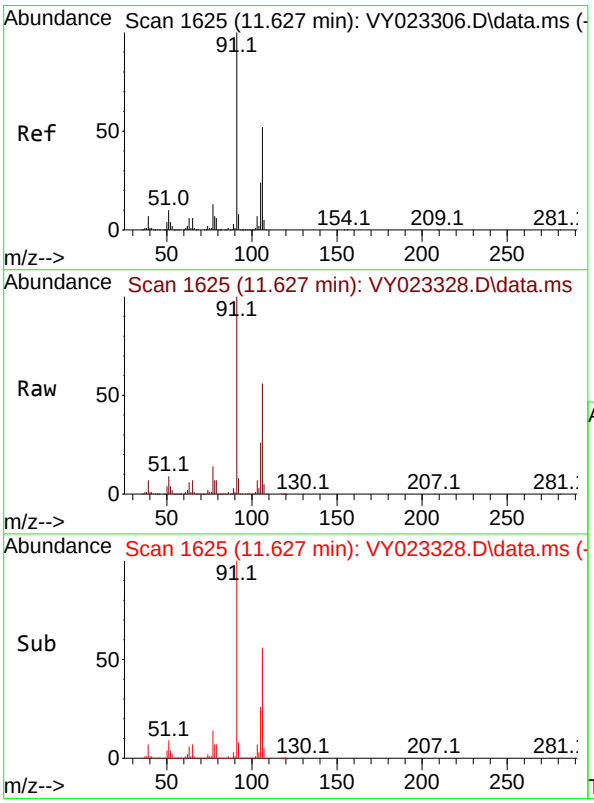
Ion	Ratio	Lower	Upper
91	100		
106	32.6	25.0	37.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

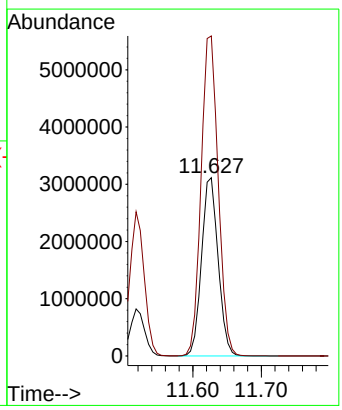
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

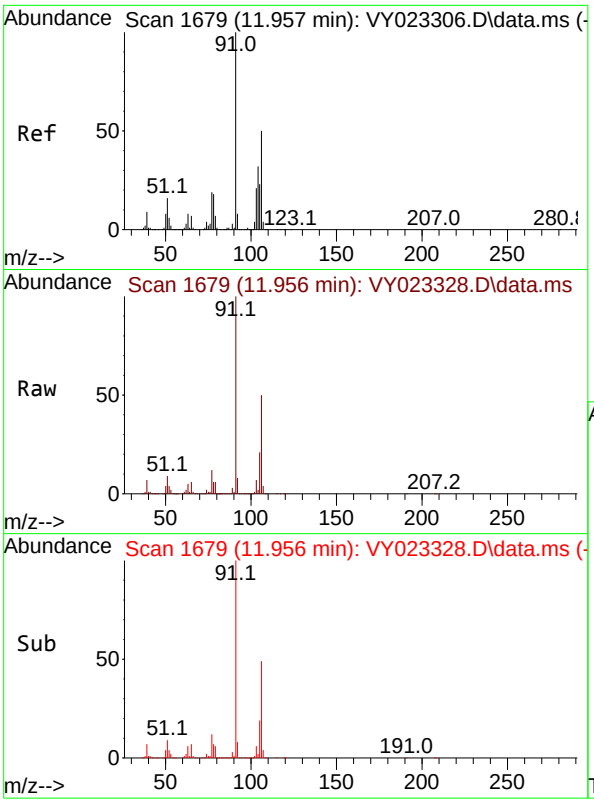


#68
m/p-Xylenes
Concen: 374.226 ug/l
RT: 11.627 min Scan# 1625
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:106 Resp: 5242152

Ion	Ratio	Lower	Upper
106	100		
91	185.8	158.6	238.0

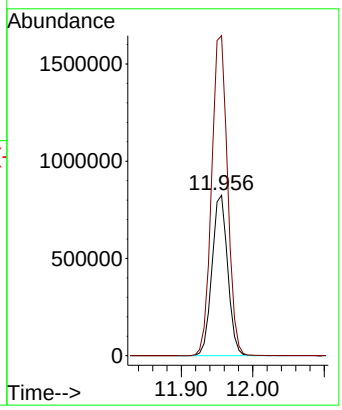




#69
o-Xylene
Concen: 96.856 ug/l
RT: 11.956 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:106 Resp: 125597

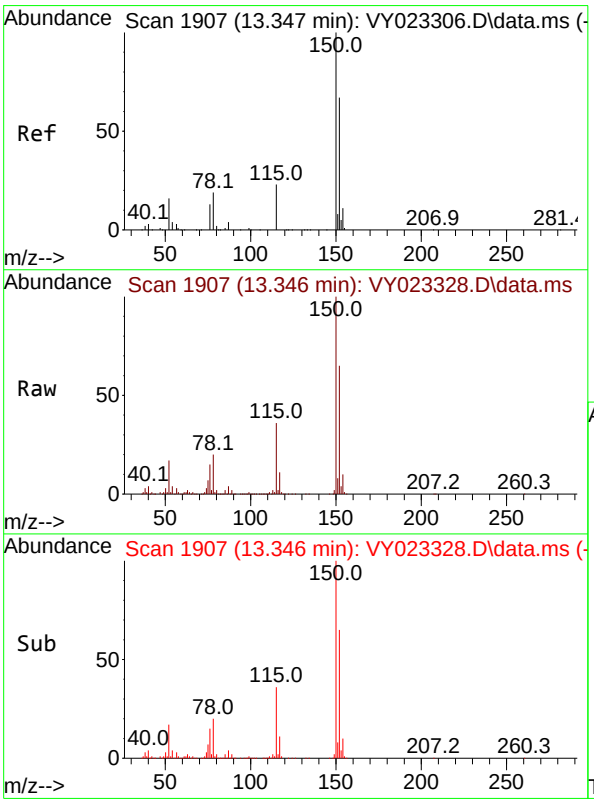
Ion	Ratio	Lower	Upper
106	100		
91	202.8	103.2	309.4



Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Manual Integrations
APPROVED

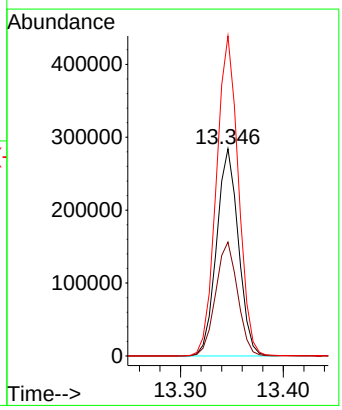
Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023328.D
Acq: 10 Sep 2025 12:49

Tgt Ion:152 Resp: 418953

Ion	Ratio	Lower	Upper
152	100		
115	55.7	28.2	84.6
150	155.8	0.0	348.0



Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023328.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.640	959	971	977	rBV	462036	1148799	4.06%	1.898%
2	7.713	977	983	995	rVB	674993	1516600	5.36%	2.506%
3	8.061	1031	1040	1057	rBV	385458	849932	3.00%	1.405%
4	8.615	1122	1131	1146	rBV	1172933	2275341	8.03%	3.760%
5	10.109	1365	1376	1382	rBV	1887280	3165464	11.18%	5.231%
6	11.414	1582	1590	1600	rBV	1730586	2839489	10.03%	4.692%
7	11.517	1600	1607	1617	rVV	5632129	8348720	29.48%	13.796%
8	11.627	1617	1625	1643	rVB	16528109	28318886	100.00%	46.797%
9	11.956	1669	1679	1692	rBV	4518490	7016662	24.78%	11.595%
10	12.407	1744	1753	1766	rBV2	1569912	2621072	9.26%	4.331%
11	13.346	1891	1907	1919	rBV	1569534	2413879	8.52%	3.989%

Sum of corrected areas: 60514844

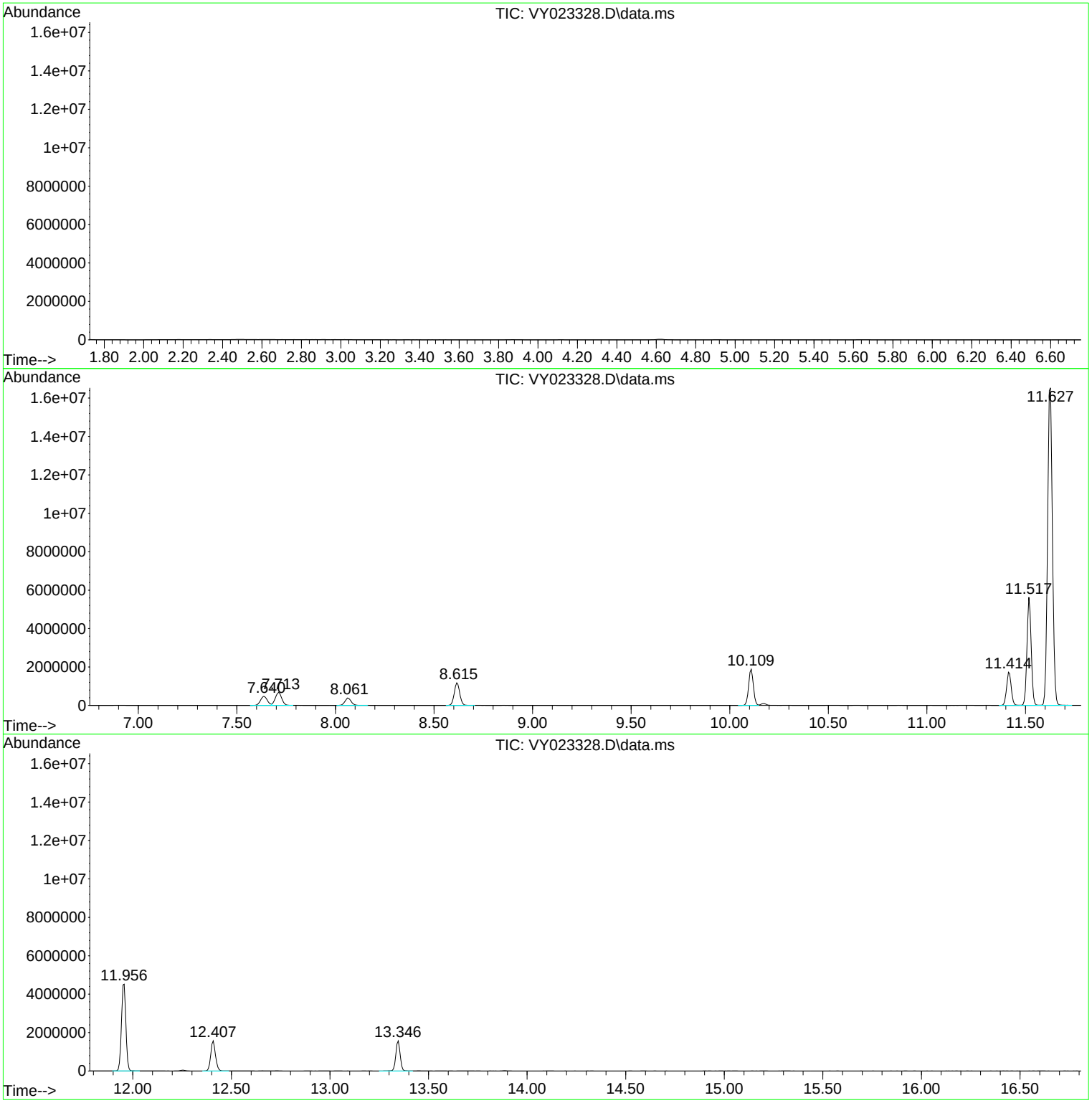
Sample Results: **VY023328.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023328.D
Acq On : 10 Sep 2025 12:49
Operator : SY/MD
Sample : Q3058-01
Misc : 6.55g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Quant Time: Sep 16 01:41:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

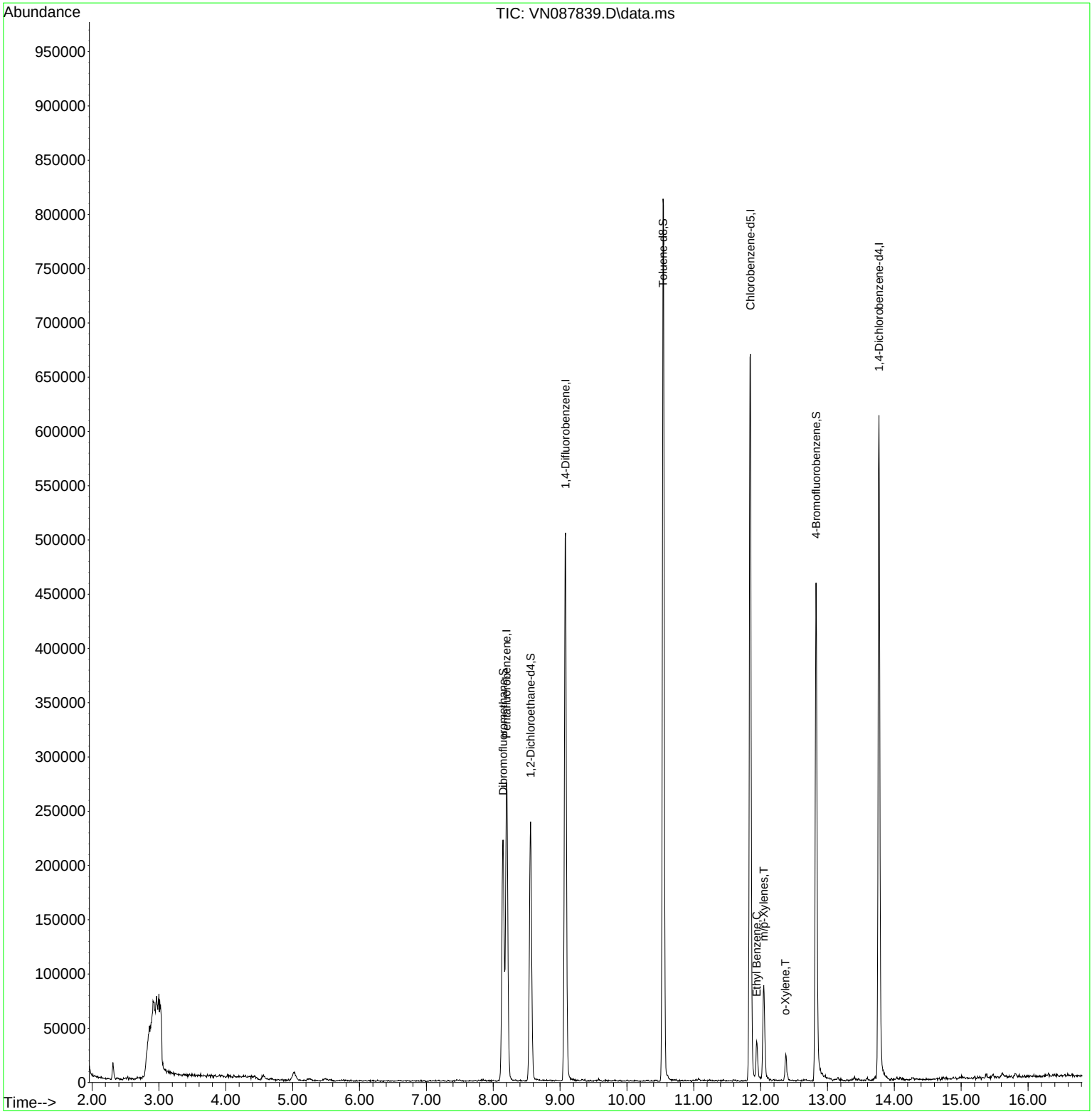
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.200	168	191442	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	434787	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	386645	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	170499	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	198573	50.625	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.260%			
35) Dibromofluoromethane	8.147	113	158865	50.608	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.220%			
50) Toluene-d8	10.541	98	549825	46.796	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.600%			
62) 4-Bromofluorobenzene	12.829	95	166435	39.832	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 79.660%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.941	91	25828	1.551	ug/l	96
68) m/p-Xylenes	12.047	106	28891	4.730	ug/l	94
69) o-Xylene	12.370	106	7729	1.291	ug/l	78

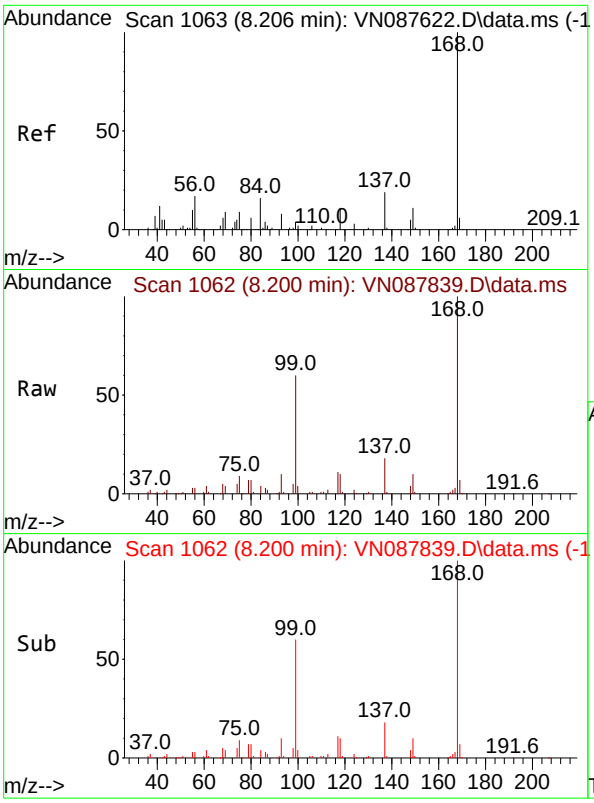
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087839.D
Acq On : 15 Sep 2025 15:43
Operator : JC\MD
Sample : Q3058-01ME
Misc : 6.28g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Quant Time: Sep 16 01:41:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



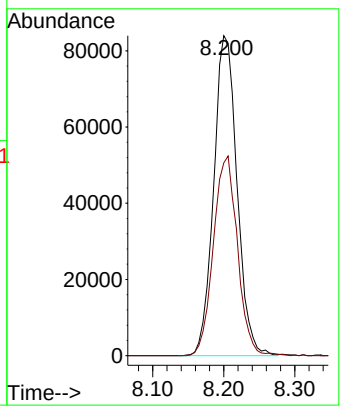


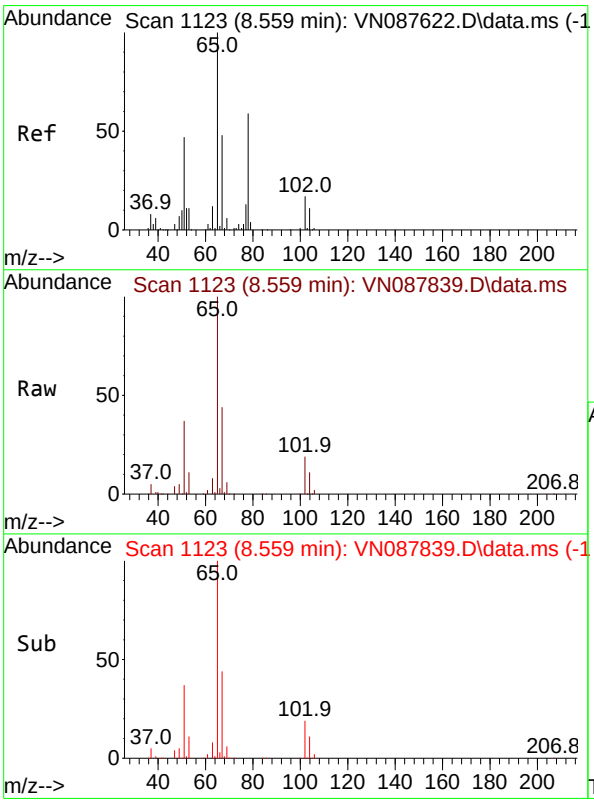
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:168 Resp: 191442

Ion	Ratio	Lower	Upper
168	100		
99	60.3	57.2	85.8

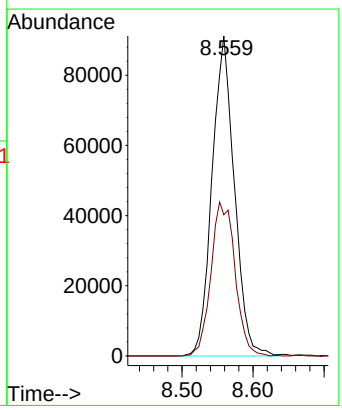


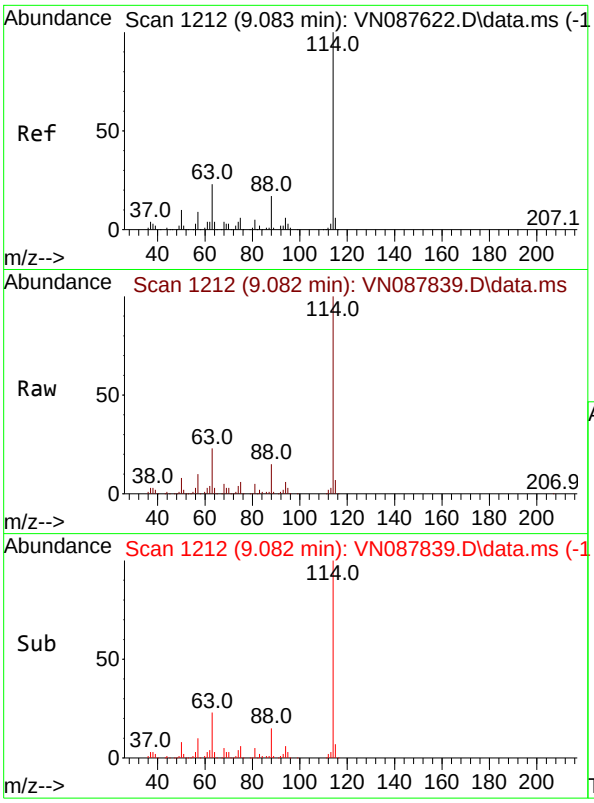


#33
1,2-Dichloroethane-d4
Concen: 50.625 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 65 Resp: 198573

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	100.0



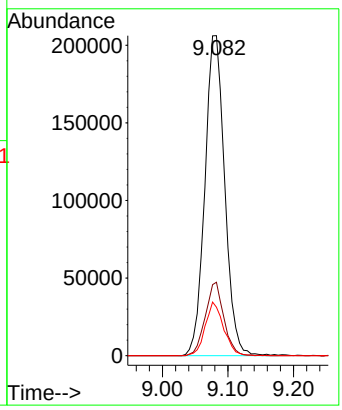


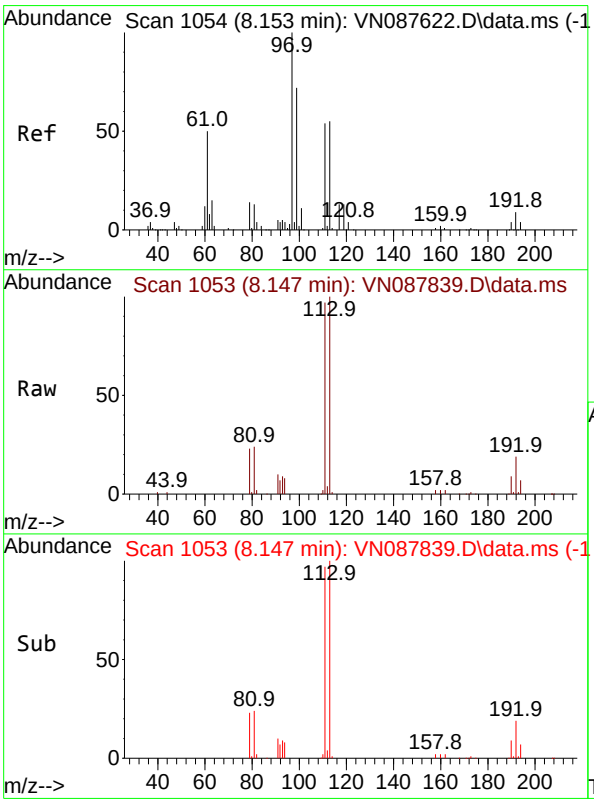
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:114 Resp: 434787

Ion	Ratio	Lower	Upper
114	100		
63	23.0	0.0	45.2
88	15.2	0.0	33.4

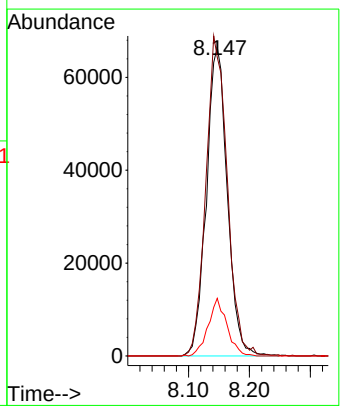


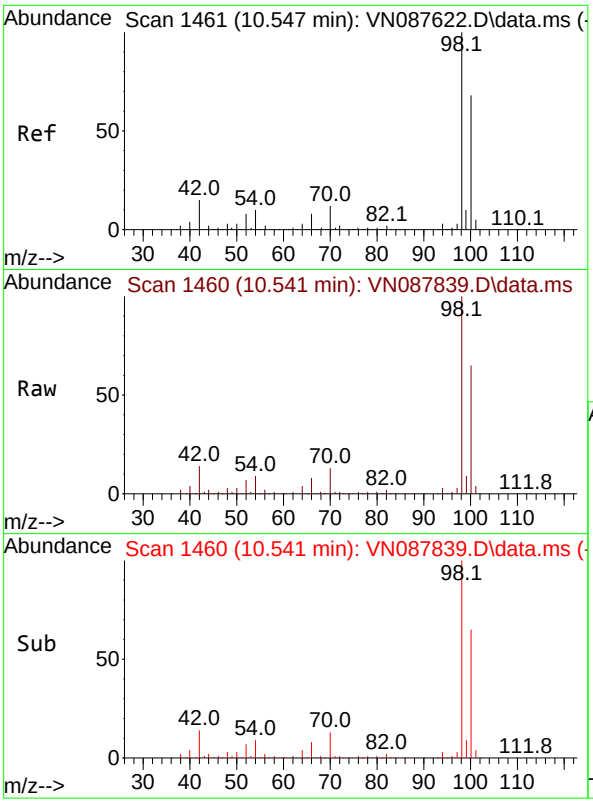


#35
Dibromofluoromethane
Concen: 50.608 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion:113 Resp: 158865

Ion	Ratio	Lower	Upper
113	100		
111	105.7	82.8	124.2
192	16.8	12.8	19.2



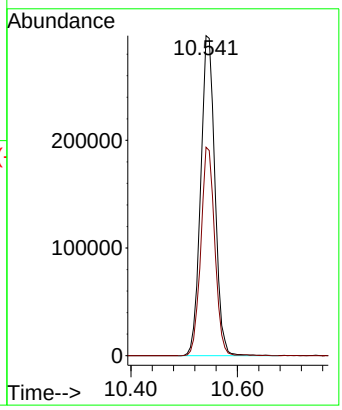


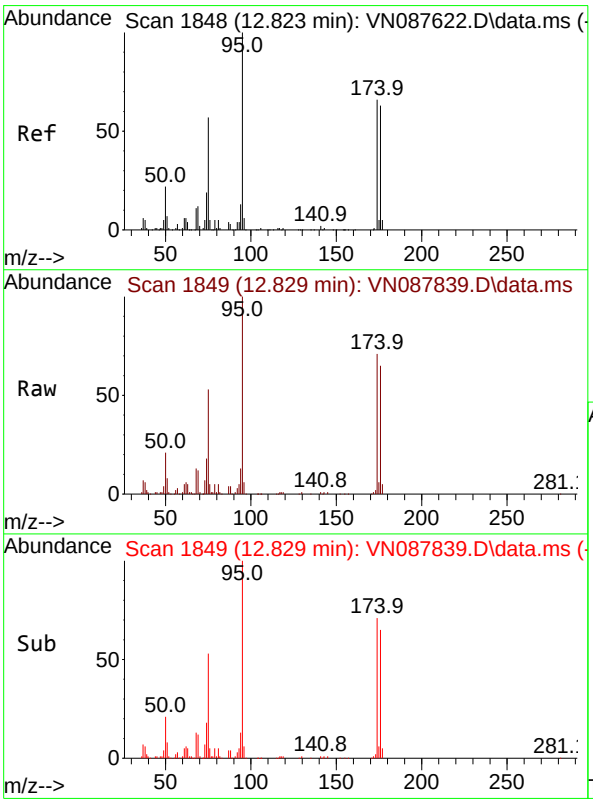
#50
Toluene-d8
Concen: 46.796 ug/l
RT: 10.541 min Scan# 14
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion: 98 Resp: 549825

Ion	Ratio	Lower	Upper
98	100		
100	63.7	52.8	79.2

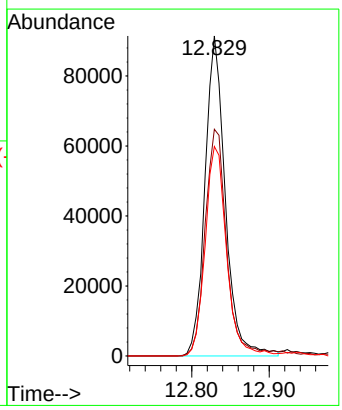


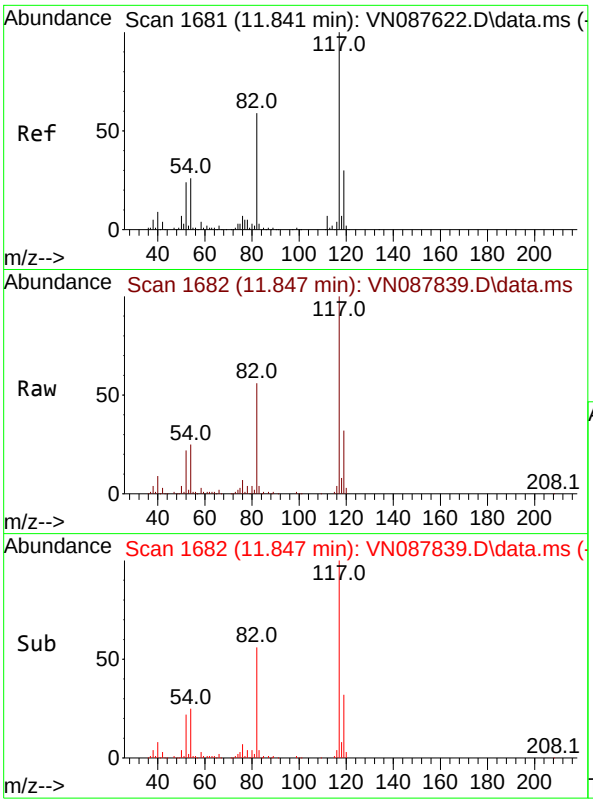


#62
4-Bromofluorobenzene
Concen: 39.832 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 95 Resp: 166435

Ion	Ratio	Lower	Upper
95	100		
174	76.1	0.0	138.4
176	69.0	0.0	132.6



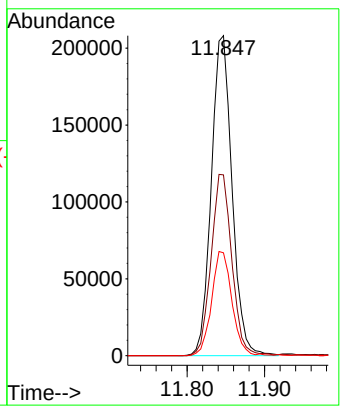


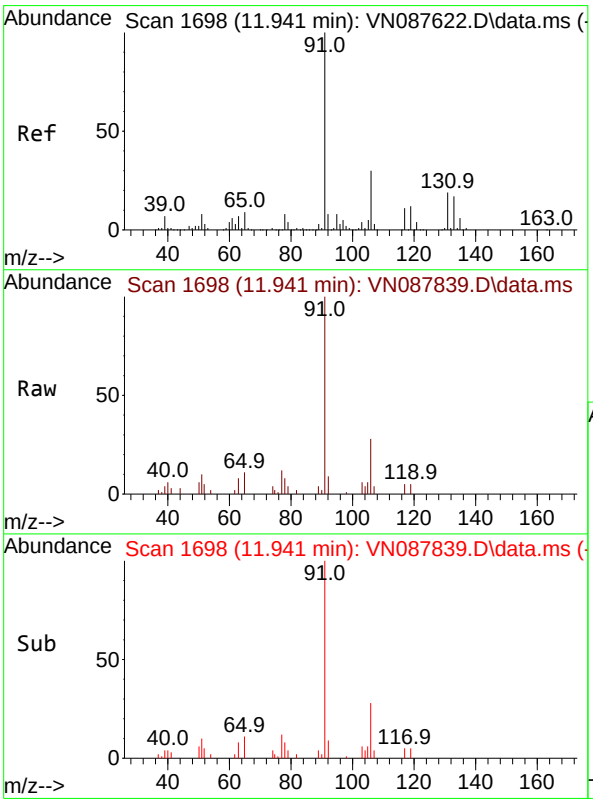
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:117 Resp: 386645

Ion	Ratio	Lower	Upper
117	100		
82	56.5	47.4	71.2
119	32.2	24.3	36.5

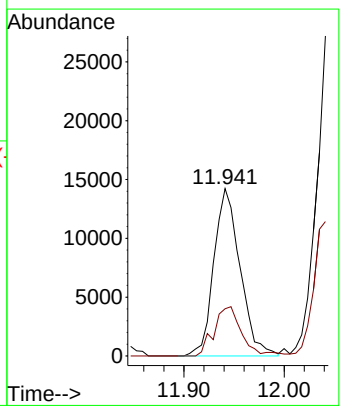


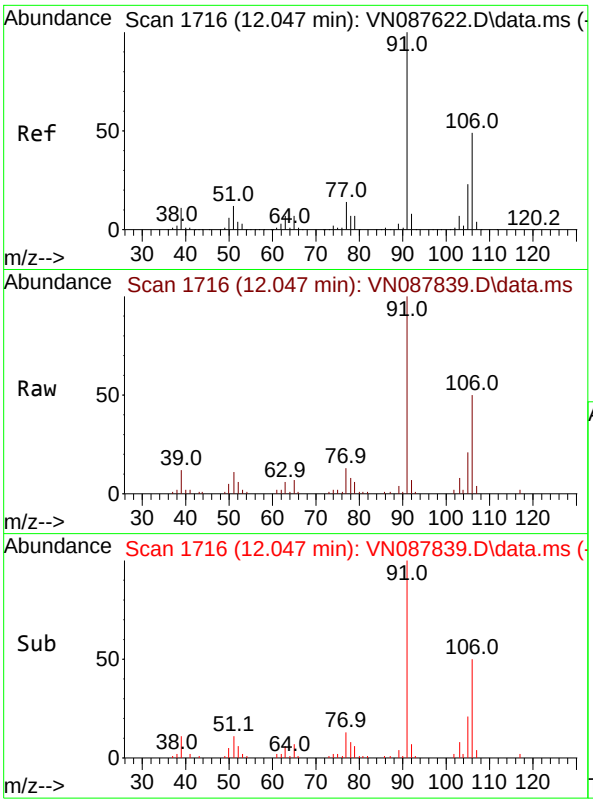


#67
Ethyl Benzene
Concen: 1.551 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion: 91 Resp: 25828

Ion	Ratio	Lower	Upper
91	100		
106	28.2	24.1	36.1



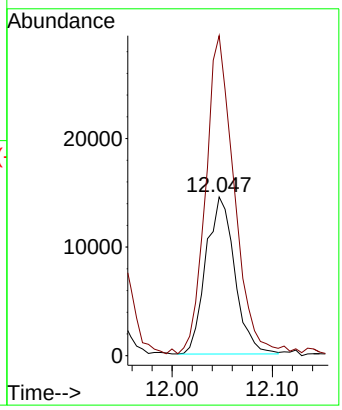


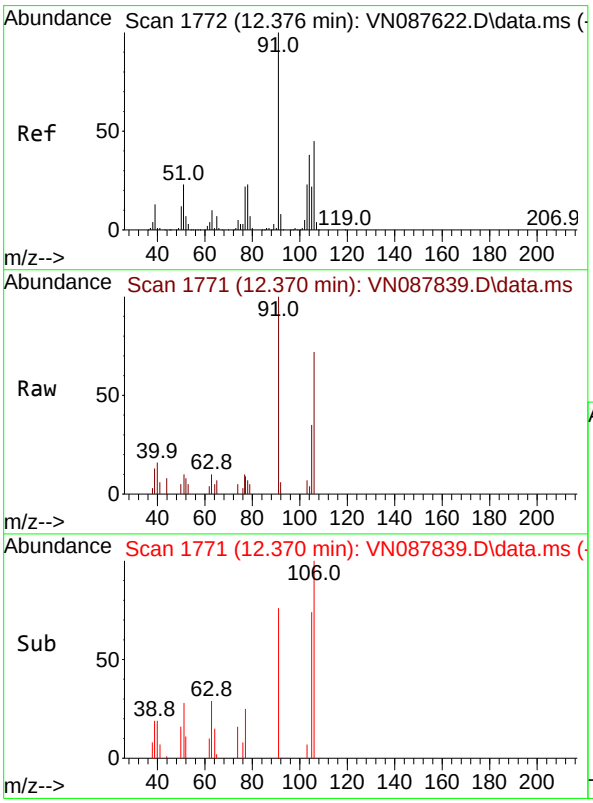
#68
m/p-Xylenes
Concen: 4.730 ug/l
RT: 12.047 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:106 Resp: 28891

Ion	Ratio	Lower	Upper
106	100		
91	201.7	169.3	253.9

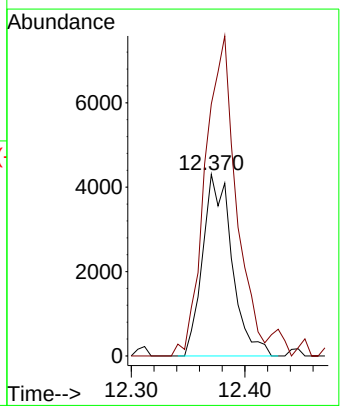


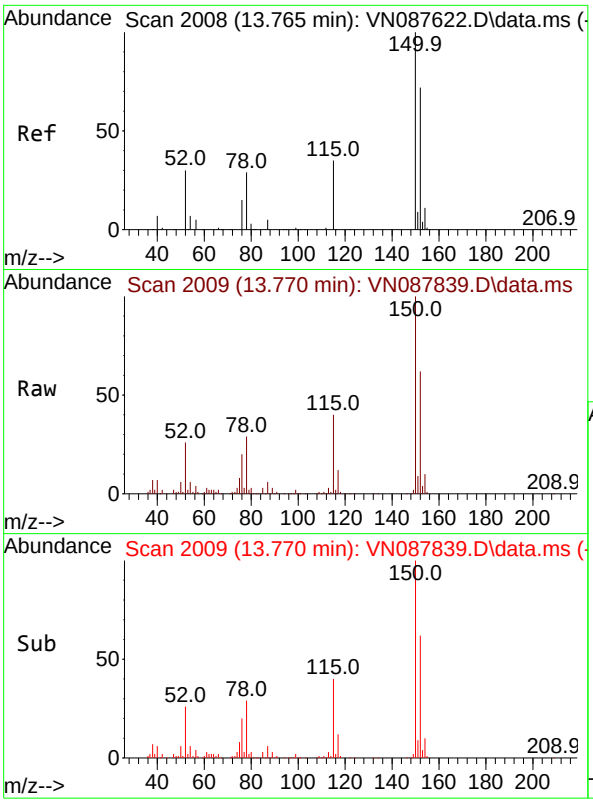


#69
o-Xylene
Concen: 1.291 ug/l
RT: 12.370 min Scan# 1771
Delta R.T. -0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Tgt Ion:106 Resp: 7729

Ion	Ratio	Lower	Upper
106	100		
91	186.6	111.4	334.2



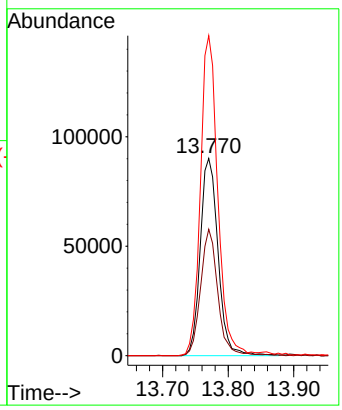


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087839.D
Acq: 15 Sep 2025 15:43

Instrument :
MSVOA_N
ClientSampleId :
RPXY5ME

Tgt Ion:152 Resp: 170499

Ion	Ratio	Lower	Upper
152	100		
115	62.1	32.3	96.8
150	158.1	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Time: Sep 11 04:23:09 2025
Quant Title :
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

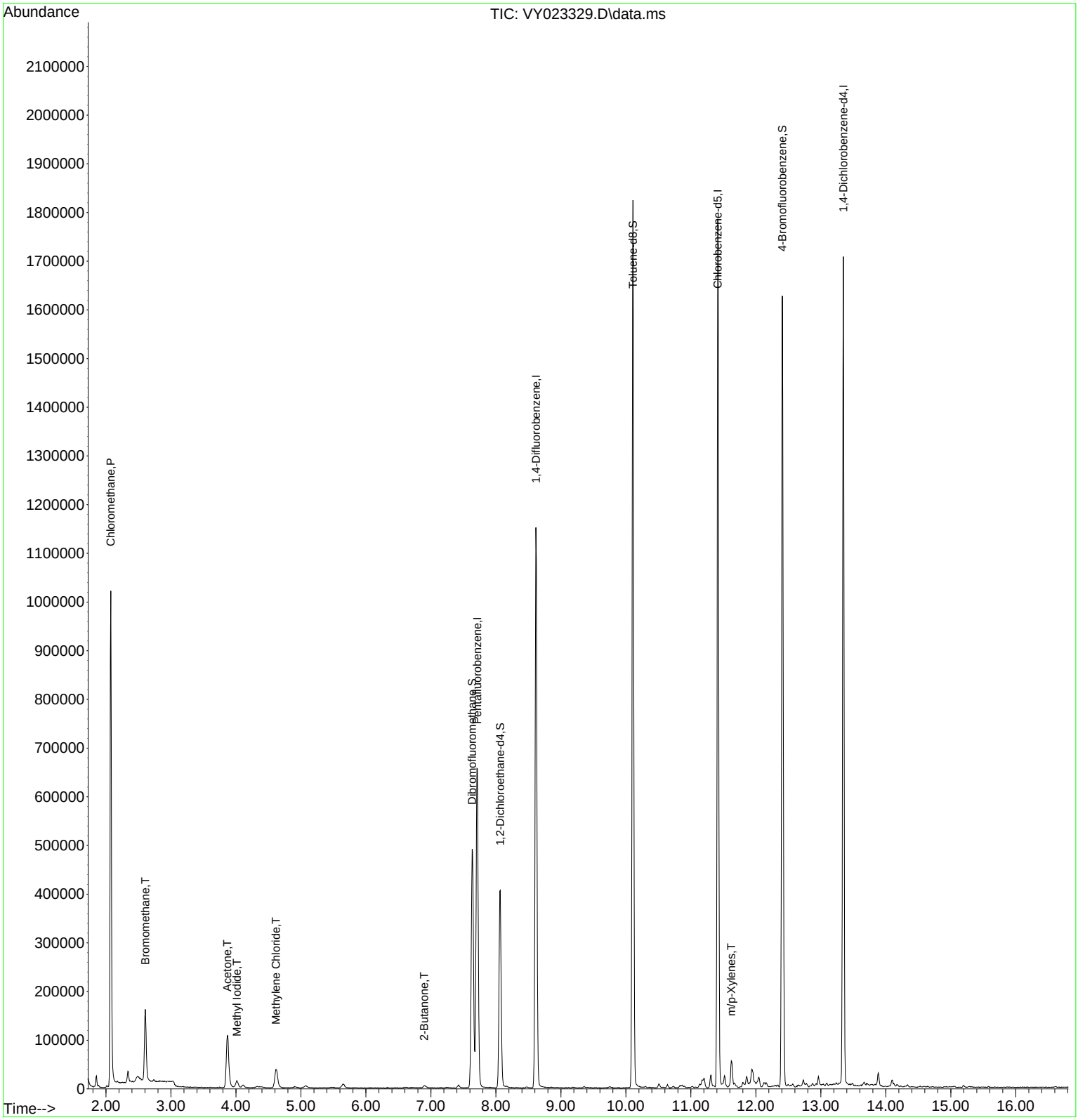
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	539229	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1018906	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1004230	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	442394	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	321894	67.935	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 135.860%			
35) Dibromofluoromethane	7.634	113	360585	57.895	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 115.800%			
50) Toluene-d8	10.109	98	1196744	50.886	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.780%			
62) 4-Bromofluorobenzene	12.408	95	410835	55.510	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.020%			
Target Compounds						Qvalue
3) Chloromethane	2.074	50	879022	141.998	ug/l	100
5) Bromomethane	2.604	94	104479	16.407	ug/l	94
10) Methyl Iodide	4.013	142	22484	3.641	ug/l	99
16) Acetone	3.866	43	186911	173.178	ug/l	97
20) Methylene Chloride	4.616	84	30418	5.268	ug/l	95
25) 2-Butanone	6.896	43	7642	5.753	ug/l	94
68) m/p-Xylenes	11.621	106	16972	1.179	ug/l	99

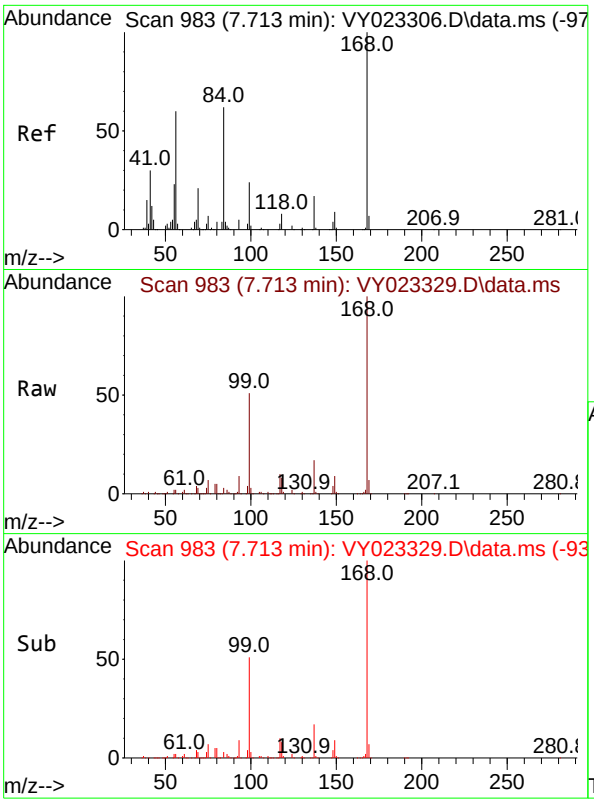
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Time: Sep 11 04:23:09 2025
Quant Title :
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



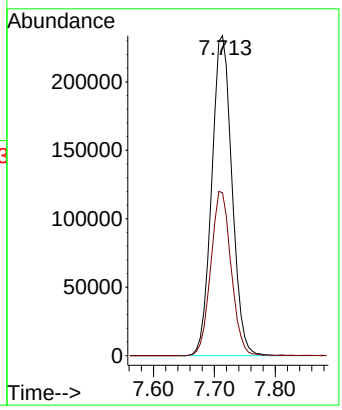


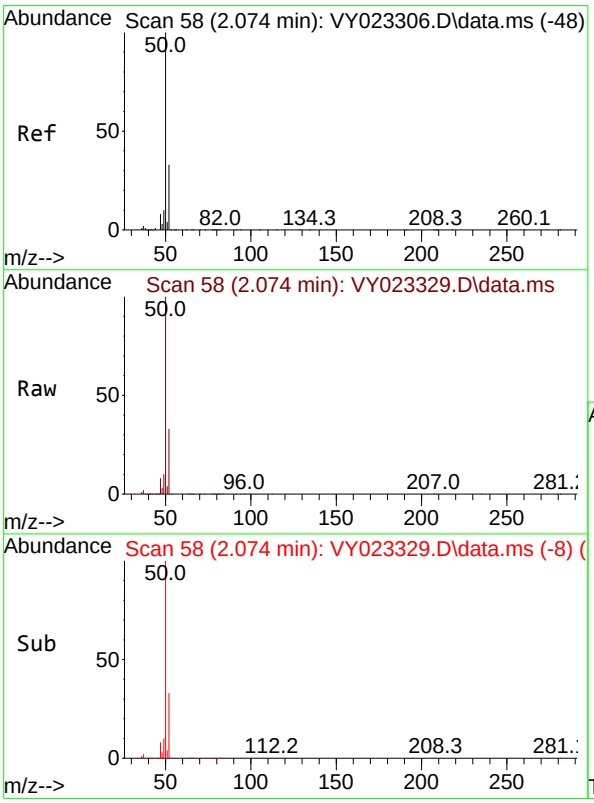
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:168 Resp: 539229

Ion	Ratio	Lower	Upper
168	100		
99	50.9	42.8	64.2

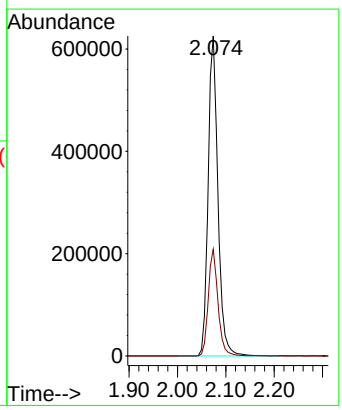


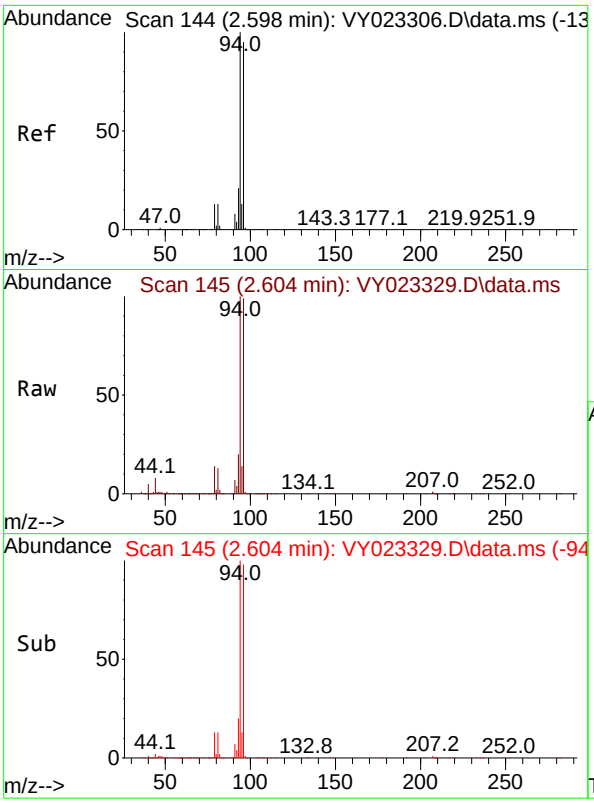


#3
Chloromethane
Concen: 141.998 ug/l
RT: 2.074 min Scan# 58
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 50 Resp: 879022

Ion	Ratio	Lower	Upper
50	100		
52	33.4	26.7	40.1



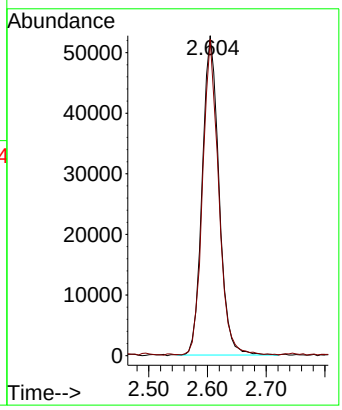


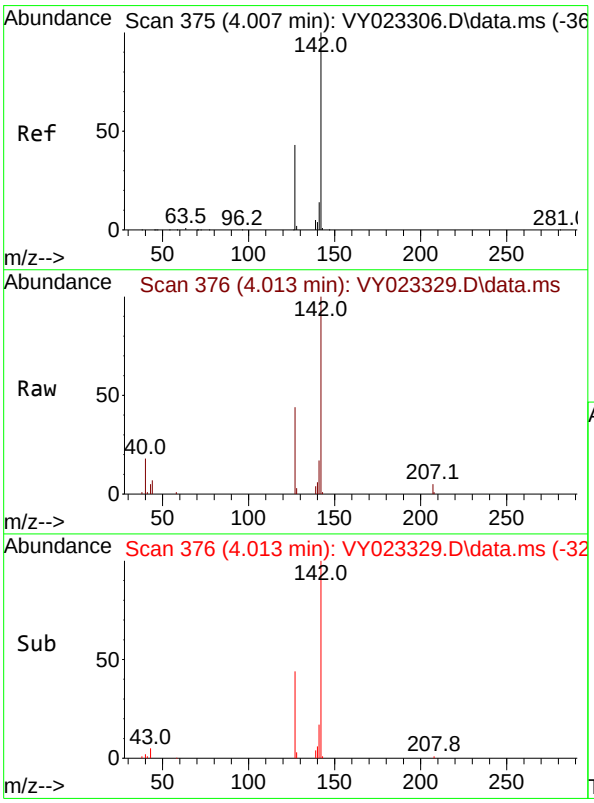
#5
Bromomethane
Concen: 16.407 ug/l
RT: 2.604 min Scan# 14
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 94 Resp: 104479

Ion	Ratio	Lower	Upper
94	100		
96	98.7	74.6	112.0

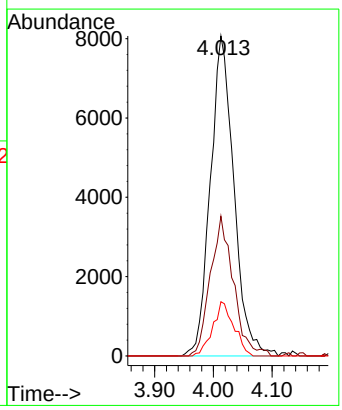


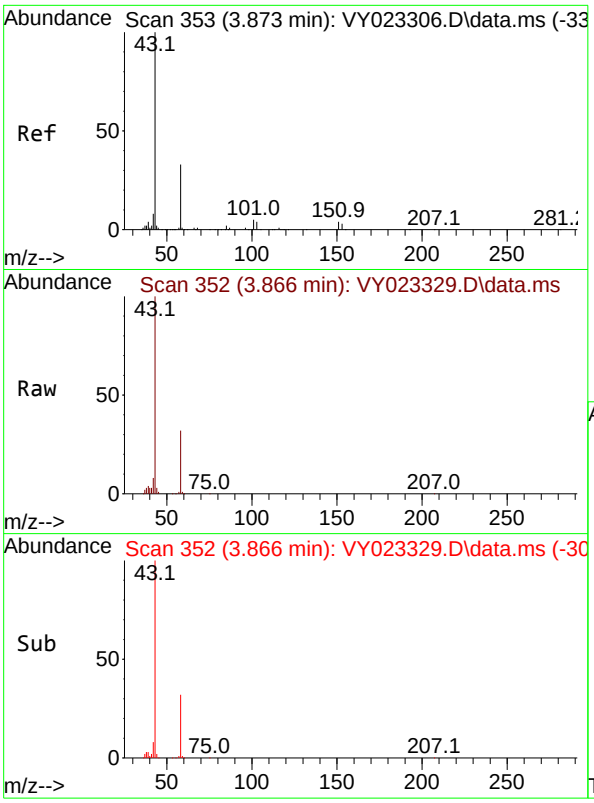


#10
Methyl Iodide
Concen: 3.641 ug/l
RT: 4.013 min Scan# 376
Delta R.T. 0.018 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:142 Resp: 22484

Ion	Ratio	Lower	Upper
142	100		
127	42.9	34.9	52.3
141	15.2	11.3	16.9



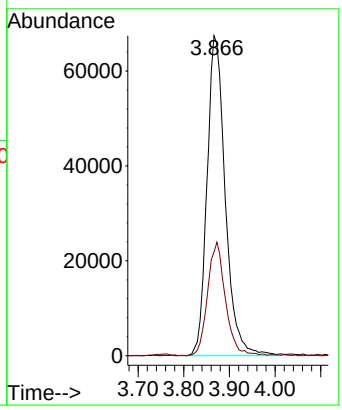


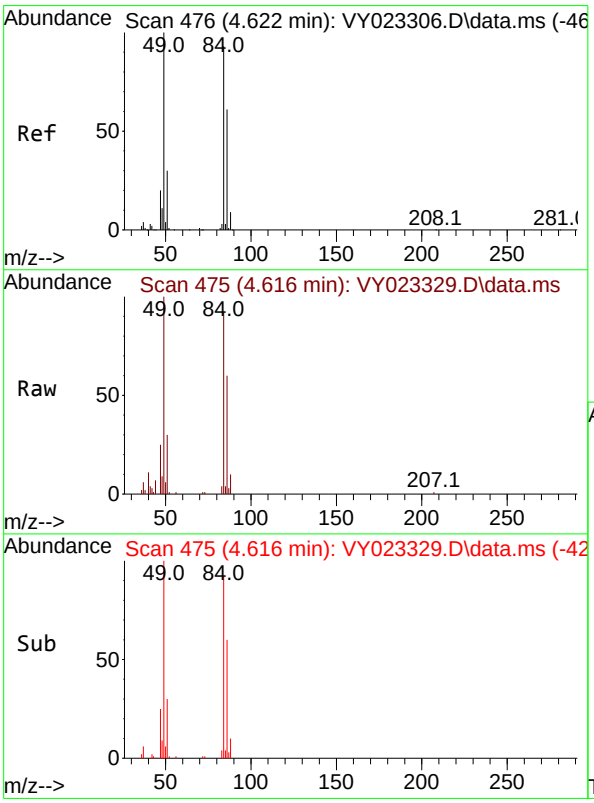
#16
Acetone
Concen: 173.178 ug/l
RT: 3.866 min Scan# 3
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 43 Resp: 186911

Ion	Ratio	Lower	Upper
43	100		
58	32.4	27.1	40.7

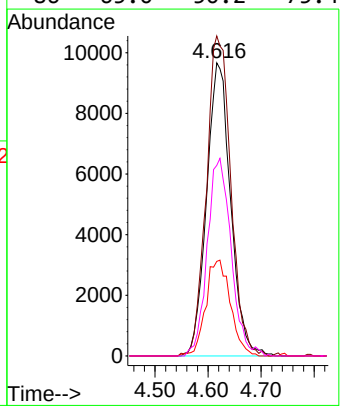


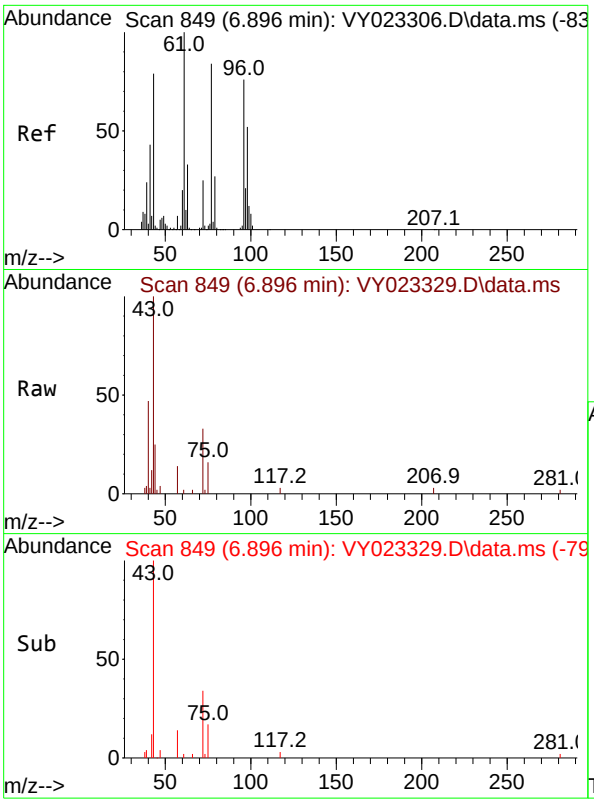


#20
Methylene Chloride
Concen: 5.268 ug/l
RT: 4.616 min Scan# 475
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 84 Resp: 30418

Ion	Ratio	Lower	Upper
84	100		
49	109.2	93.0	139.6
51	32.3	29.0	43.4
86	65.0	50.2	75.4



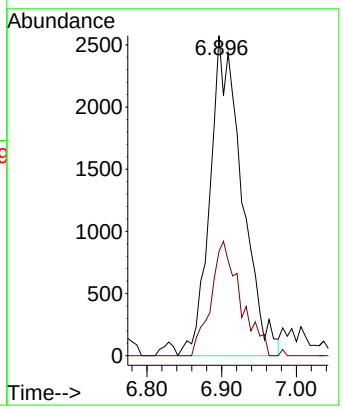


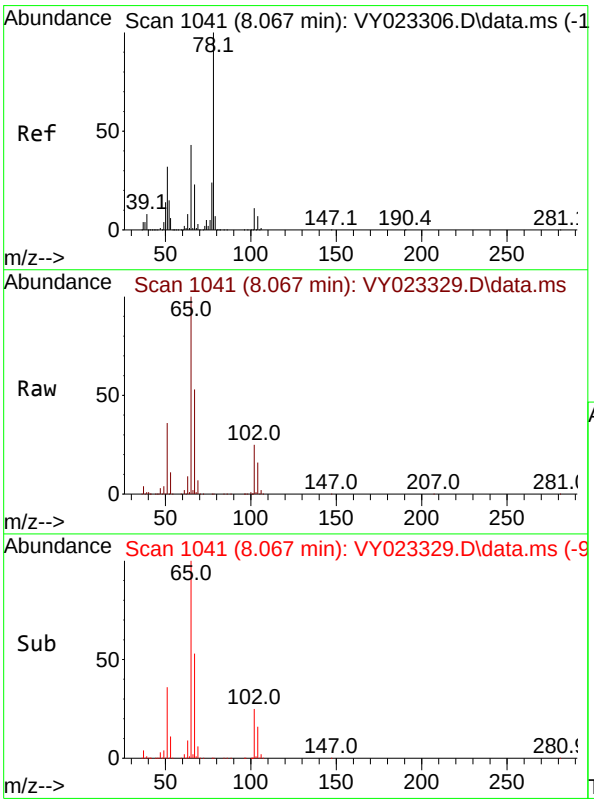
#25
2-Butanone
Concen: 5.753 ug/l
RT: 6.896 min Scan# 84
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 43 Resp: 7642

Ion	Ratio	Lower	Upper
43	100		
72	32.6	23.5	35.3

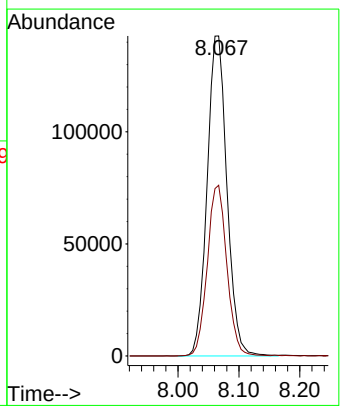


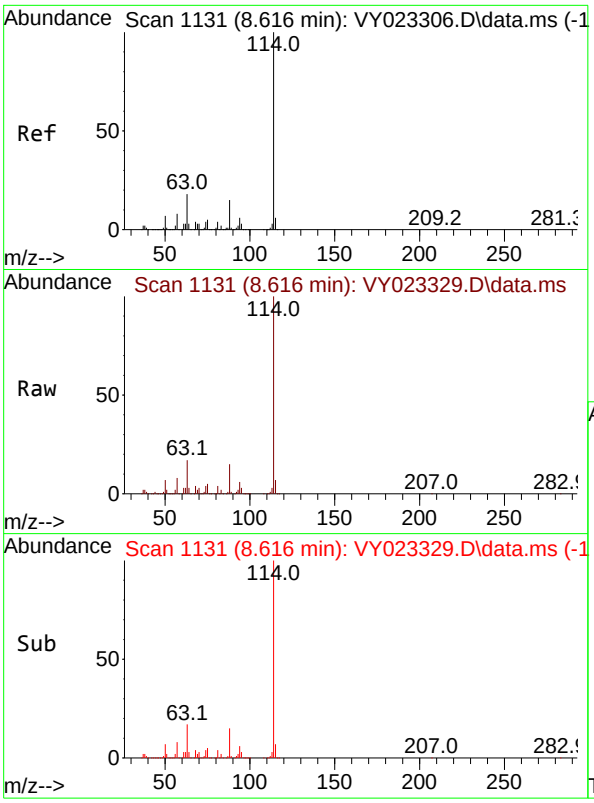


#33
1,2-Dichloroethane-d4
Concen: 67.935 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 65 Resp: 321894

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



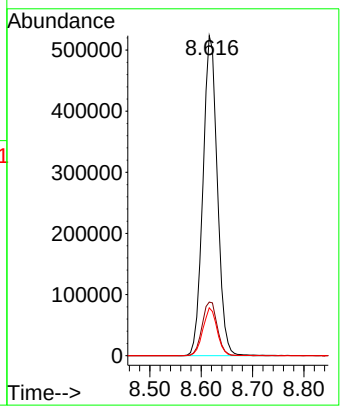


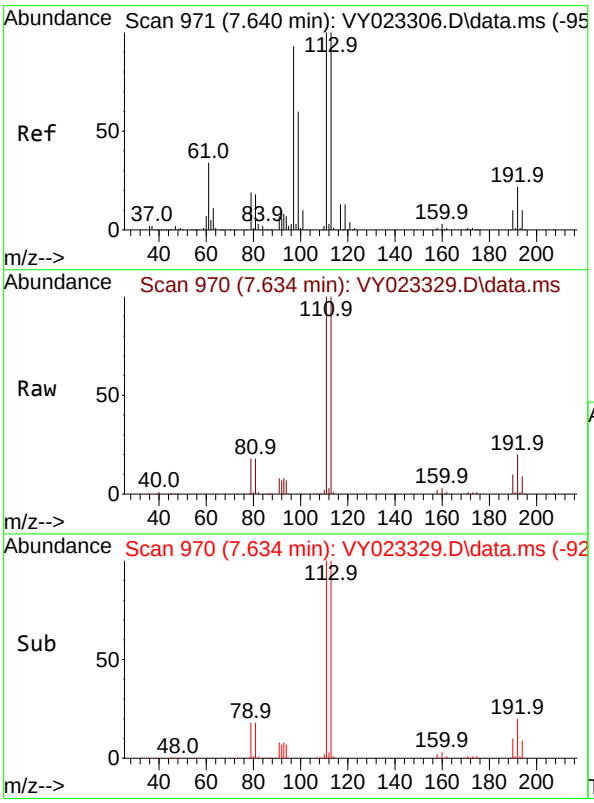
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:114 Resp: 1018906

Ion	Ratio	Lower	Upper
114	100		
63	16.8	0.0	38.4
88	14.9	0.0	30.0

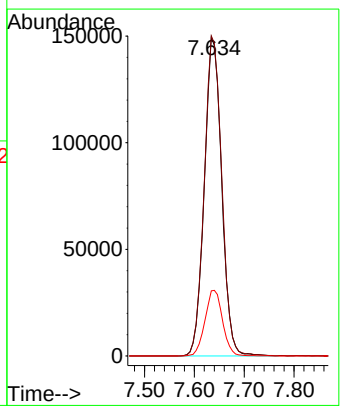


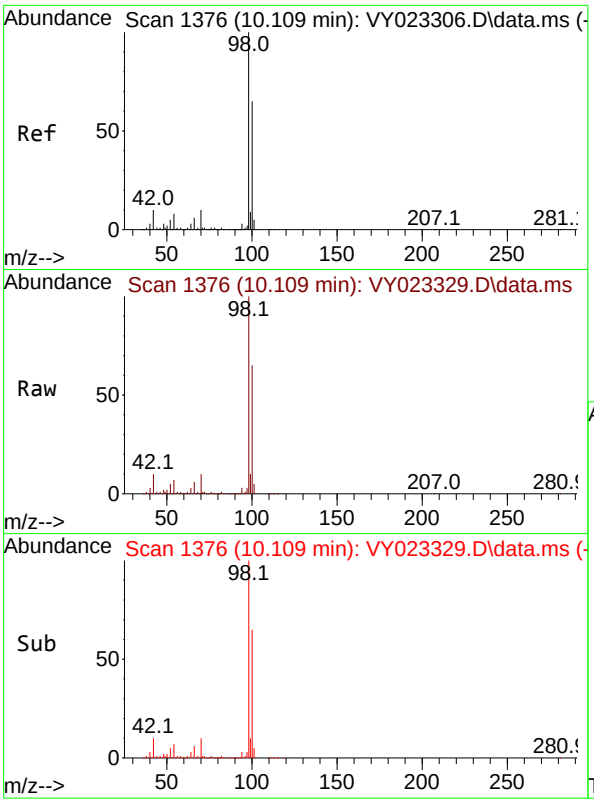


#35
Dibromofluoromethane
Concen: 57.895 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:113 Resp: 360585

Ion	Ratio	Lower	Upper
113	100		
111	101.7	81.1	121.7
192	20.9	16.2	24.4



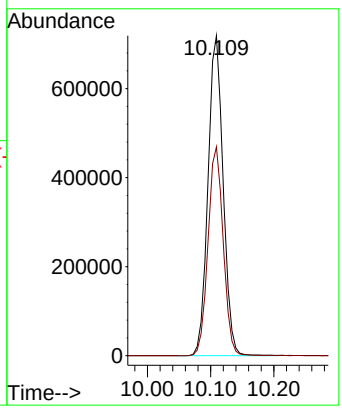


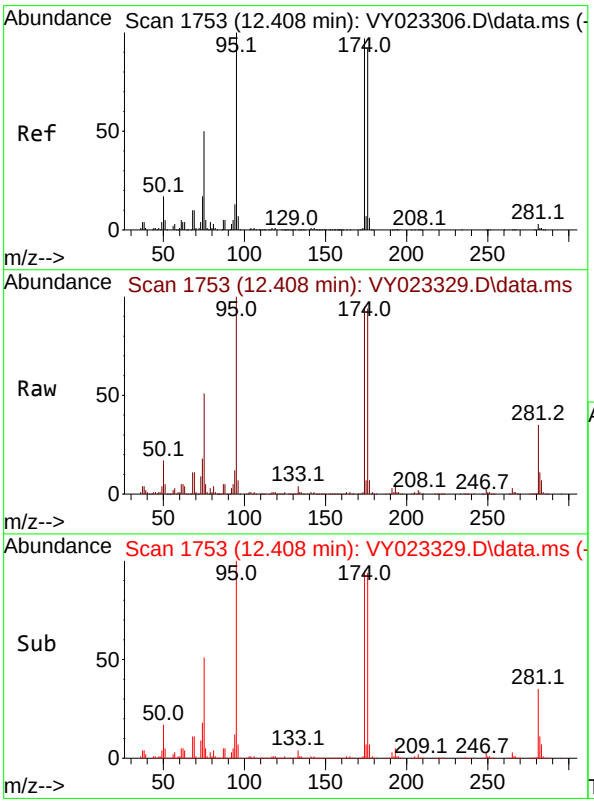
#50
Toluene-d8
Concen: 50.886 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion: 98 Resp: 1196744

Ion	Ratio	Lower	Upper
98	100		
100	65.2	52.3	78.5

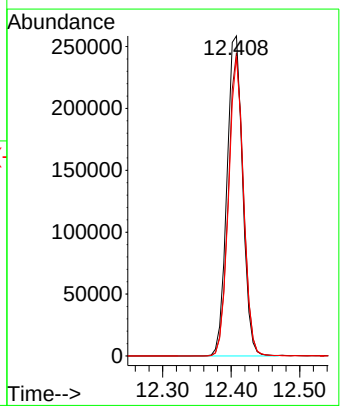


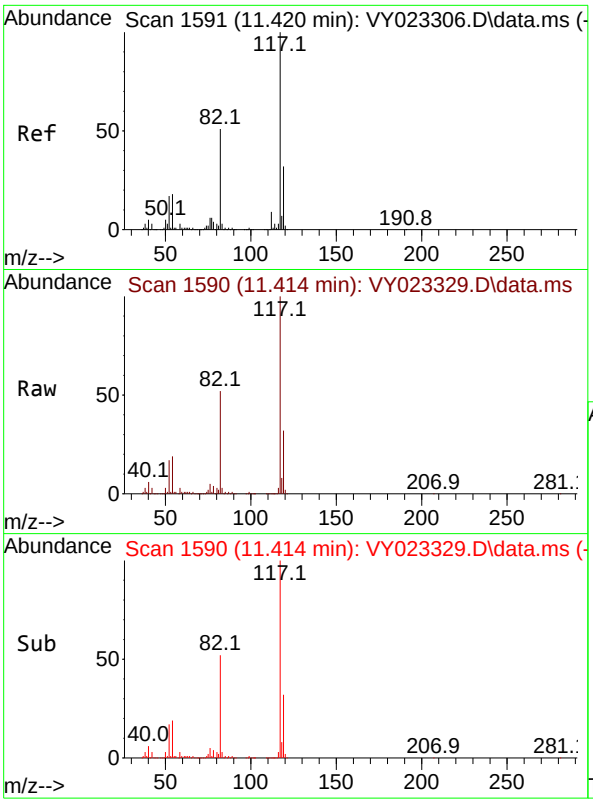


#62
4-Bromofluorobenzene
Concen: 55.510 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion: 95 Resp: 410835

Ion	Ratio	Lower	Upper
95	100		
174	91.2	0.0	171.6
176	88.8	0.0	167.6



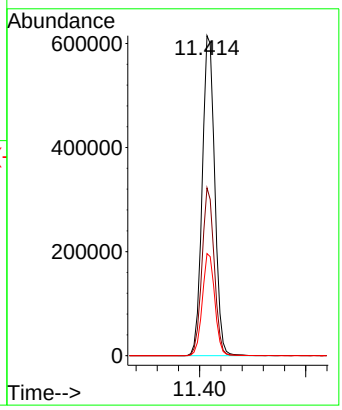


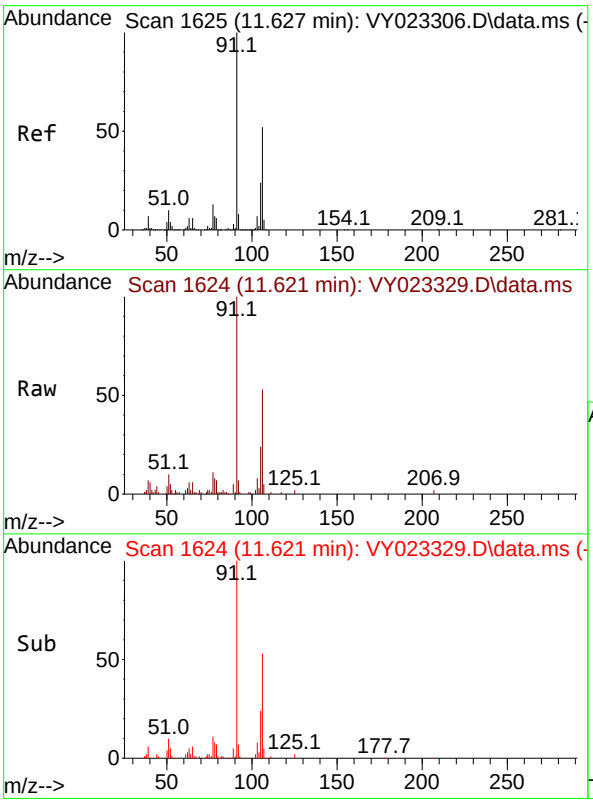
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:117 Resp: 1004230

Ion	Ratio	Lower	Upper
117	100		
82	52.4	43.4	65.0
119	31.9	25.6	38.4

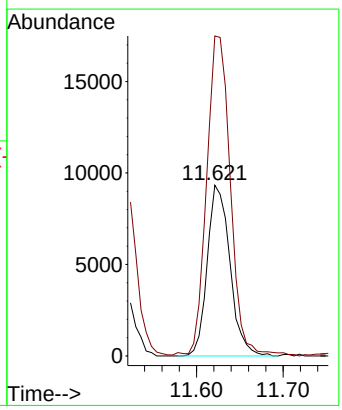


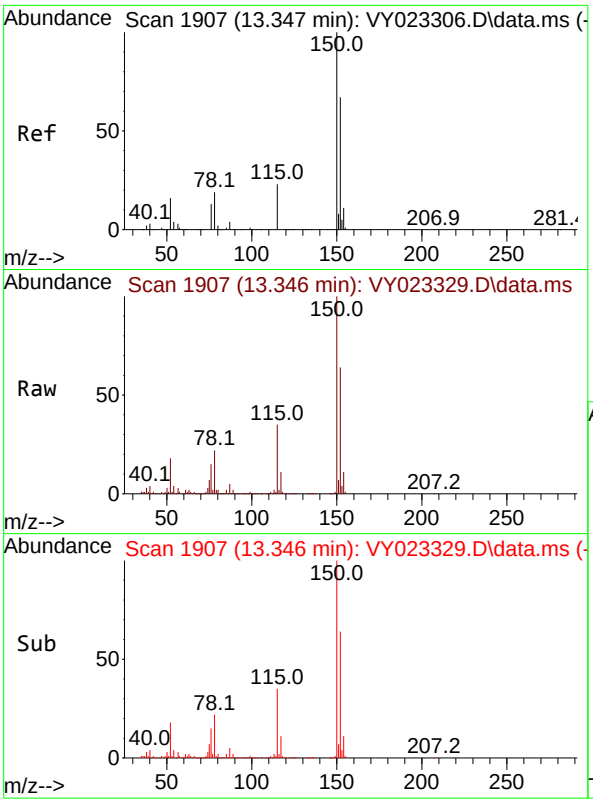


#68
m/p-Xylenes
Concen: 1.179 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Tgt Ion:106 Resp: 16972

Ion	Ratio	Lower	Upper
106	100		
91	196.8	158.6	238.0



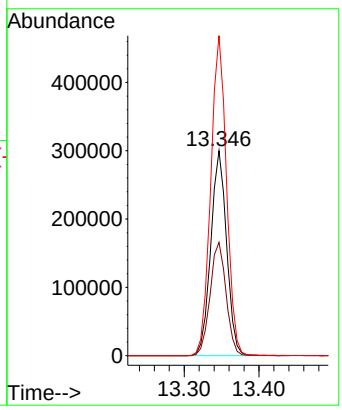


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023329.D
Acq: 10 Sep 2025 13:12

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Tgt Ion:152 Resp: 442394

Ion	Ratio	Lower	Upper
152	100		
115	56.1	28.2	84.6
150	155.5	0.0	348.0



Sample Results: **VY023329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023329.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.855	15	22	25	rBV	22900	32057	1.04%	0.160%
2	2.074	52	58	72	rBV	1018169	1457672	47.28%	7.261%
3	2.336	96	101	106	rBV	23304	40903	1.33%	0.204%
4	2.495	118	127	131	rBV	10317	34255	1.11%	0.171%
5	2.604	139	145	159	rVB	148187	299316	9.71%	1.491%
6	3.872	344	353	365	rBV2	106828	295867	9.60%	1.474%
7	4.013	368	376	386	rVB	13565	36301	1.18%	0.181%
8	4.616	465	475	491	rVB	38218	126292	4.10%	0.629%
9	7.634	960	970	977	rBV	489839	1204774	39.08%	6.001%
10	7.707	977	982	999	rVB	655097	1512140	49.05%	7.532%
11	8.067	1029	1041	1052	rBV	405957	921636	29.89%	4.591%
12	8.616	1120	1131	1145	rBV	1151092	2251057	73.01%	11.213%
13	10.109	1368	1376	1392	rBV	1823024	3083040	100.00%	15.357%
14	11.200	1553	1555	1564	rVB3	19763	31725	1.03%	0.158%
15	11.310	1564	1573	1579	rBV	26385	52083	1.69%	0.259%
16	11.414	1583	1590	1600	rBV	1782757	2909012	94.36%	14.490%
17	11.517	1602	1607	1616	rVB	23184	44640	1.45%	0.222%
18	11.621	1616	1624	1630	rBV2	53673	111850	3.63%	0.557%
19	11.859	1658	1663	1667	rVV2	20284	37901	1.23%	0.189%
20	11.938	1671	1676	1686	rVV3	33894	93460	3.03%	0.466%
21	12.048	1686	1694	1700	rVB2	19821	51461	1.67%	0.256%
22	12.408	1745	1753	1764	rBV2	1624829	2854425	92.58%	14.218%
23	13.346	1898	1907	1920	rVB	1700642	2547197	82.62%	12.688%
24	13.883	1989	1995	2001	rVB2	26314	46519	1.51%	0.232%

Sum of corrected areas: 20075583

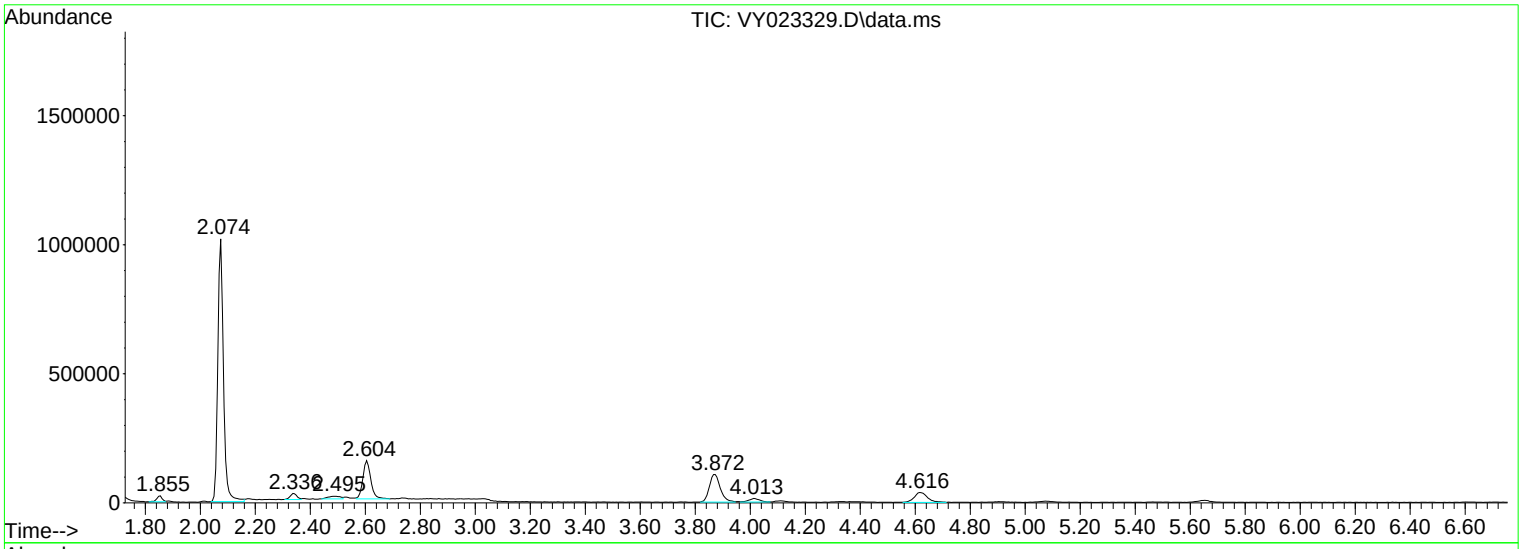
Sample Results: **VY023329.D**

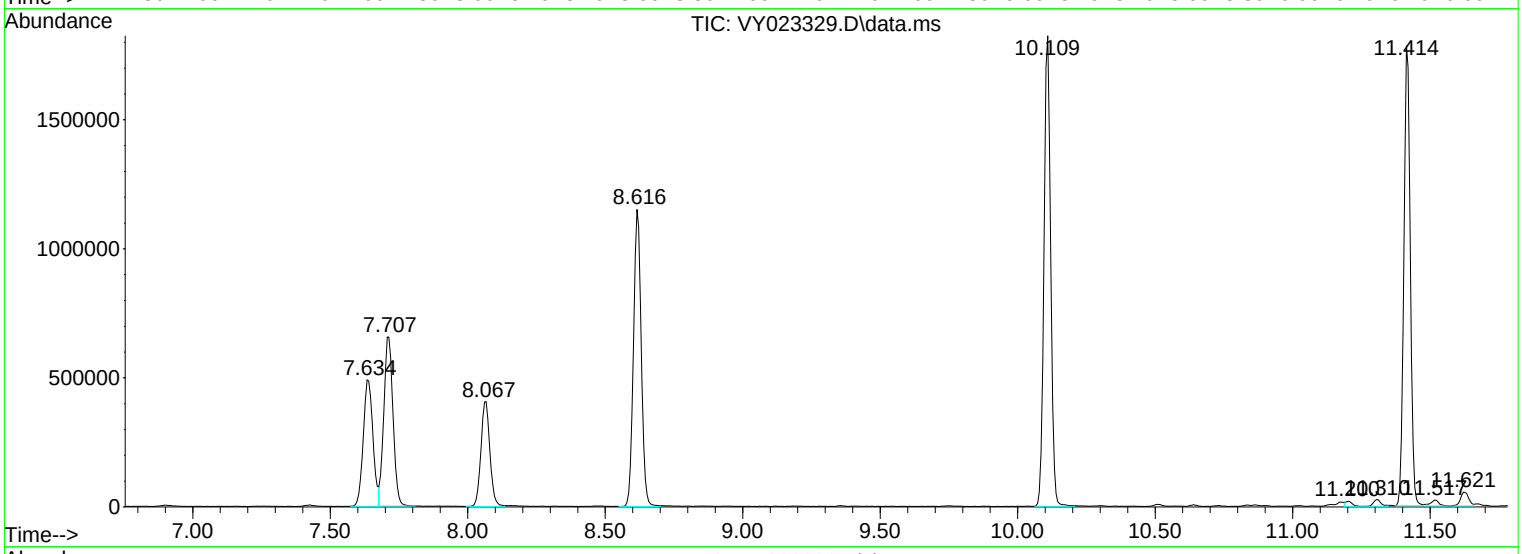
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

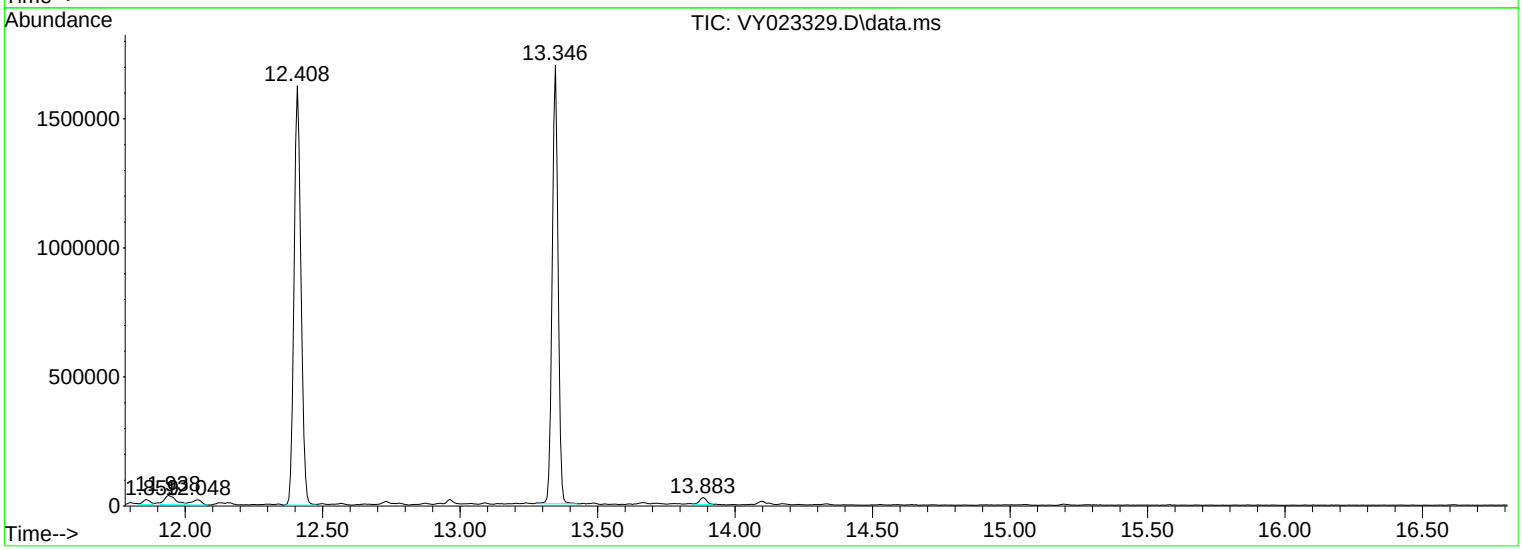
Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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







Library Search Compound Report

Sample Results: **VY023329.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023329.D
Acq On : 10 Sep 2025 13:12
Operator : SY/MD
Sample : Q3058-02
Misc : 7.05g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RPXY4

Quant Title :

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

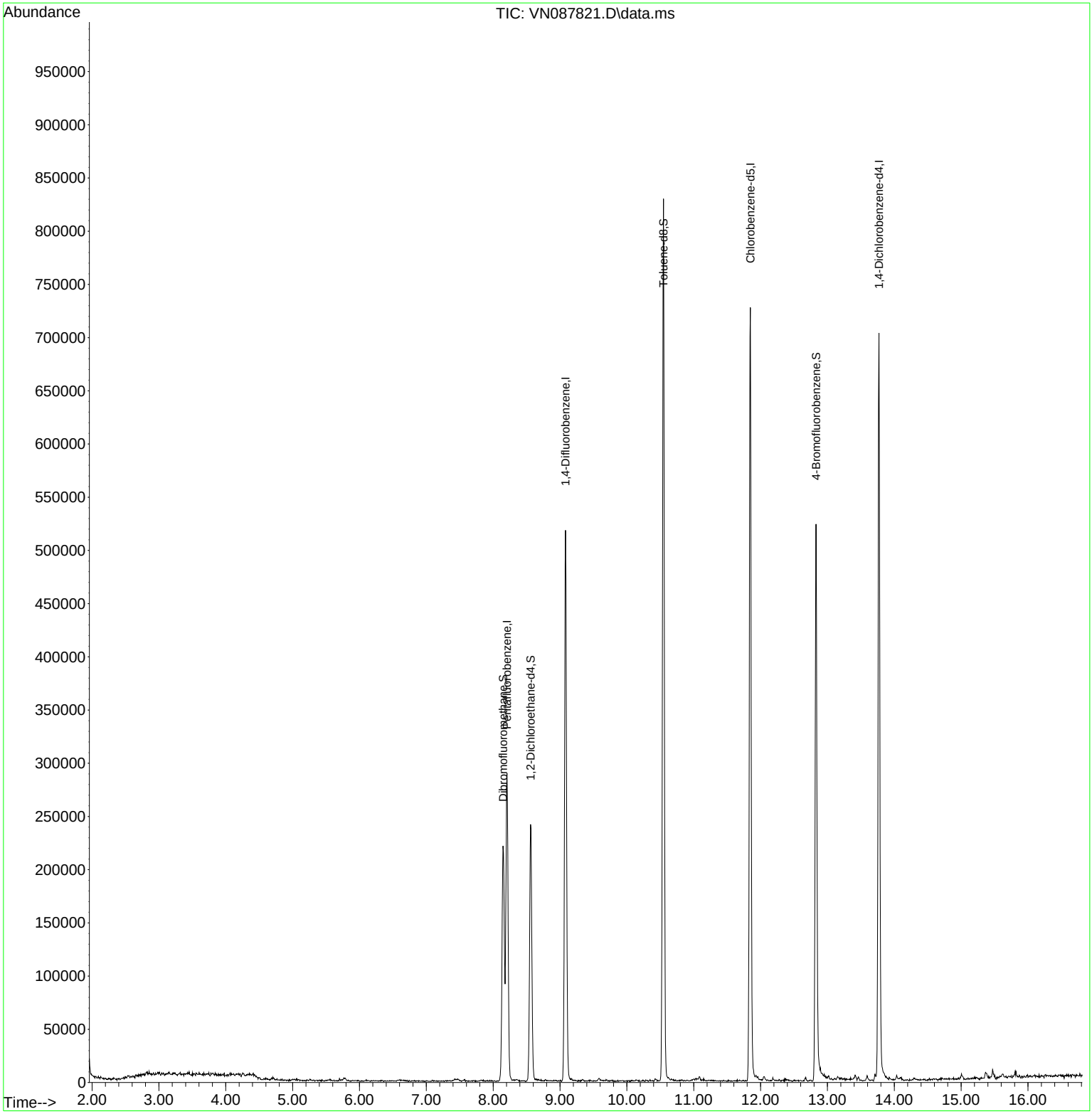
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	198222	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	408687	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	193776	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	202603	49.886	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 99.780%			
35) Dibromofluoromethane	8.147	113	160733	52.260	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.520%			
50) Toluene-d8	10.547	98	556052	48.303	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.829	95	186538	45.565	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 91.120%			
Target Compounds						Qvalue

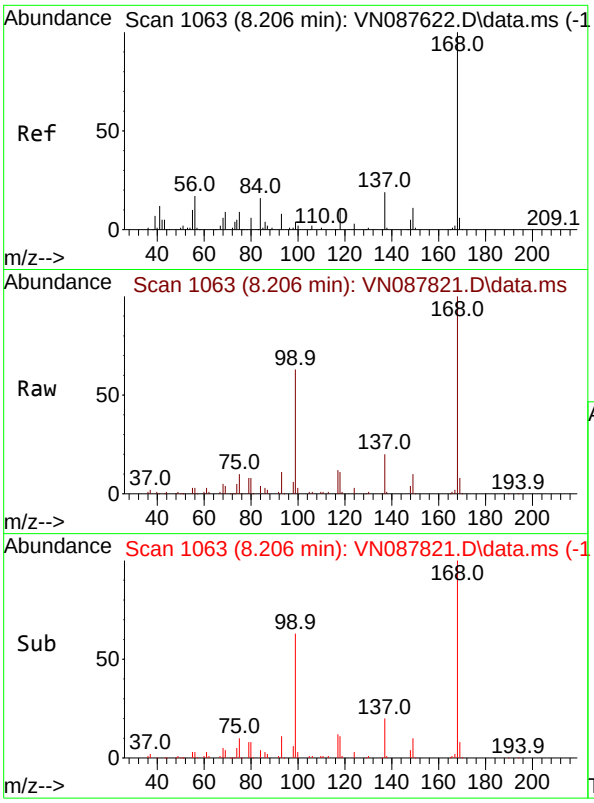
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Time: Sep 16 01:28:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



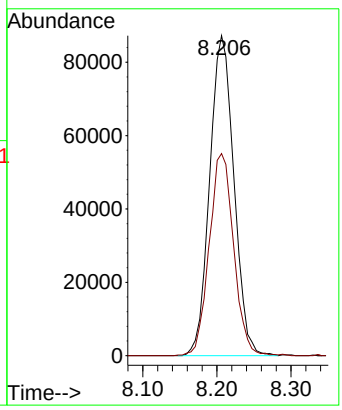


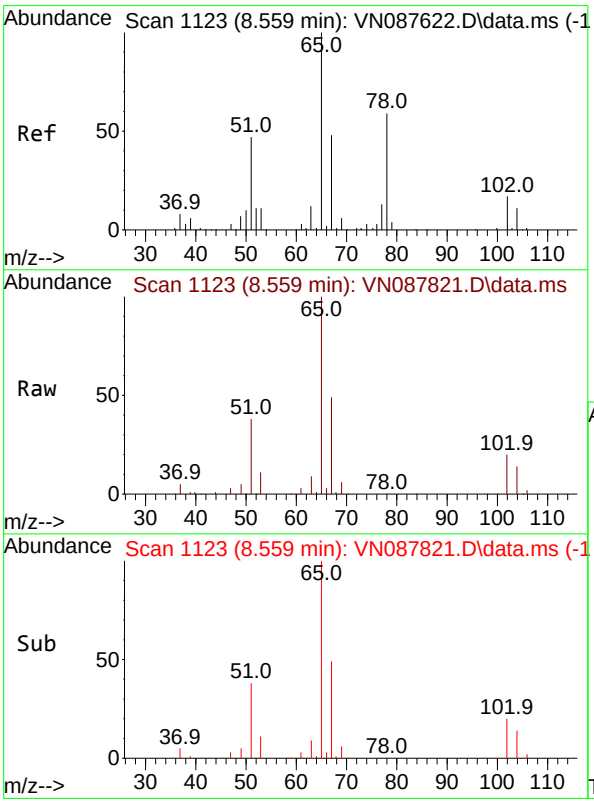
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:168 Resp: 198222

Ion	Ratio	Lower	Upper
168	100		
99	62.9	57.2	85.8

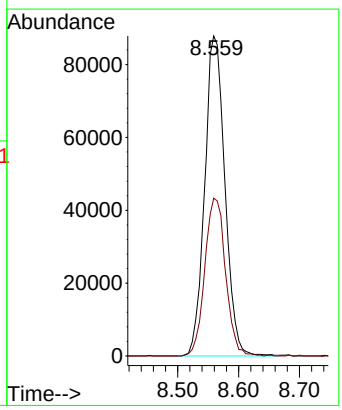


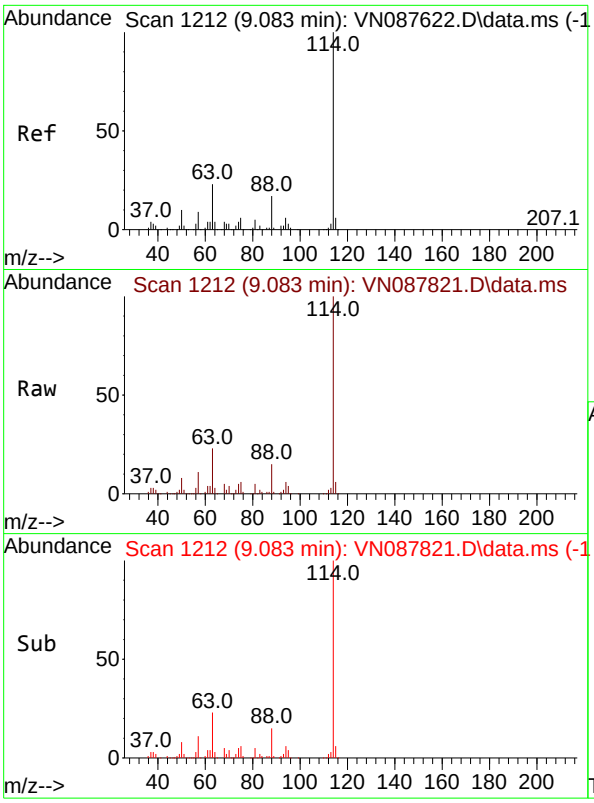


#33
1,2-Dichloroethane-d4
Concen: 49.886 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 65 Resp: 202603

Ion	Ratio	Lower	Upper
65	100		
67	50.6	0.0	100.0



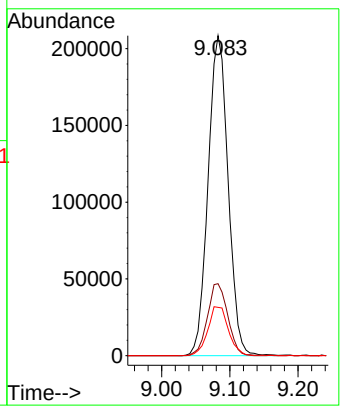


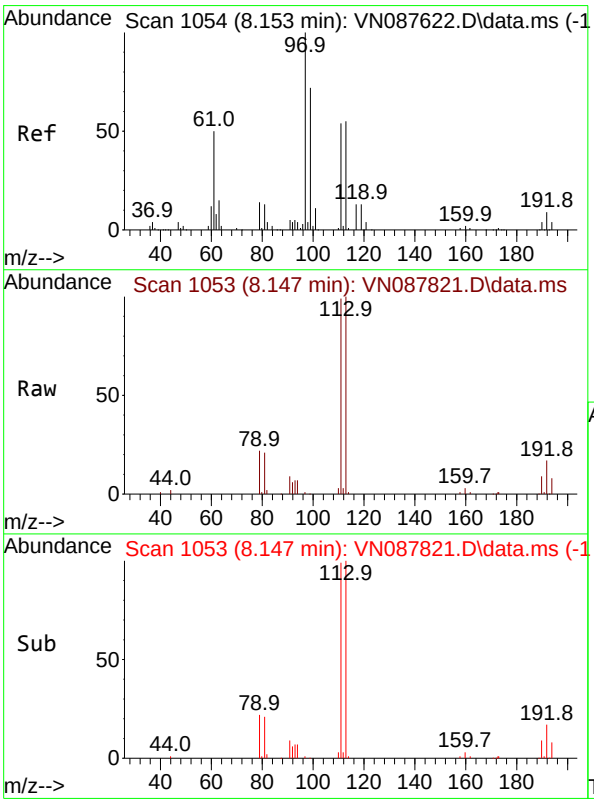
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:114 Resp: 425993

Ion	Ratio	Lower	Upper
114	100		
63	22.5	0.0	45.2
88	15.1	0.0	33.4

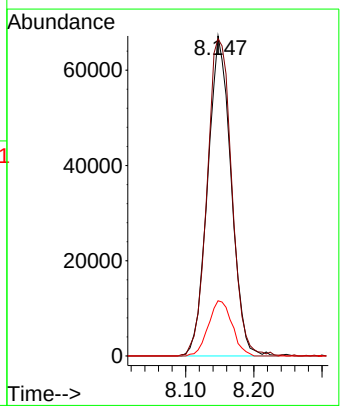


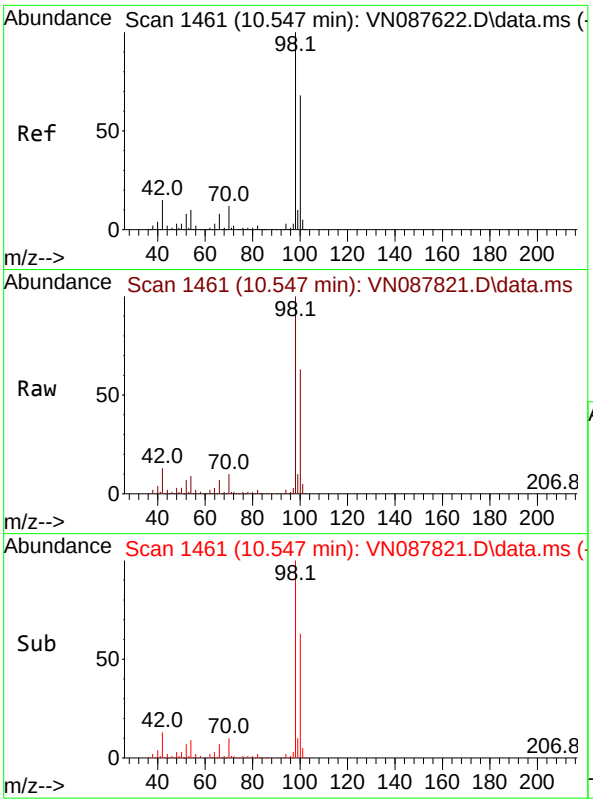


#35
Dibromofluoromethane
Concen: 52.260 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion:113 Resp: 160733

Ion	Ratio	Lower	Upper
113	100		
111	104.1	82.8	124.2
192	17.5	12.8	19.2



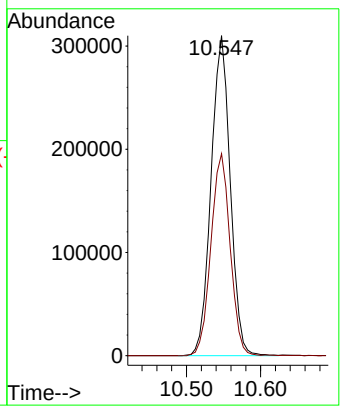


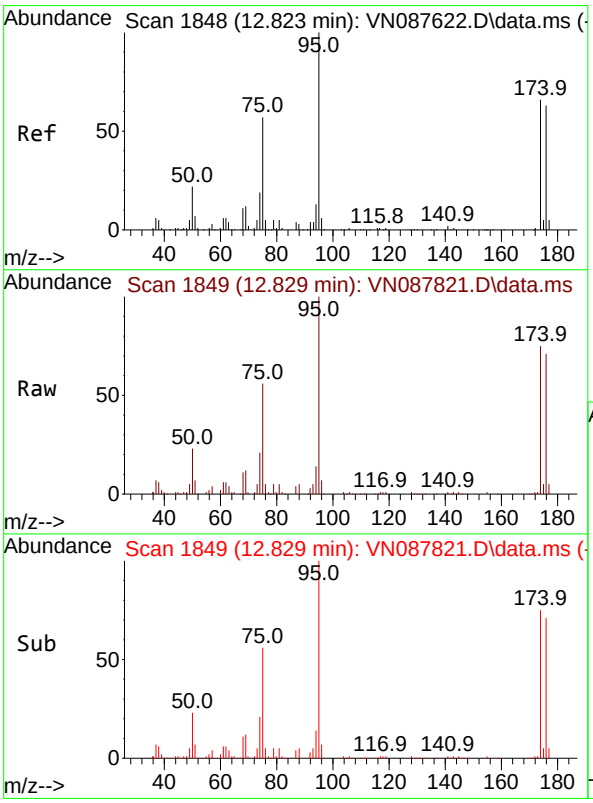
#50
Toluene-d8
Concen: 48.303 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion: 98 Resp: 556052

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.8	79.2

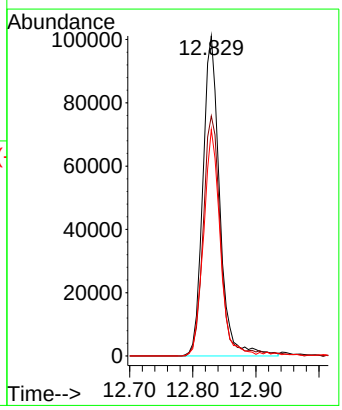


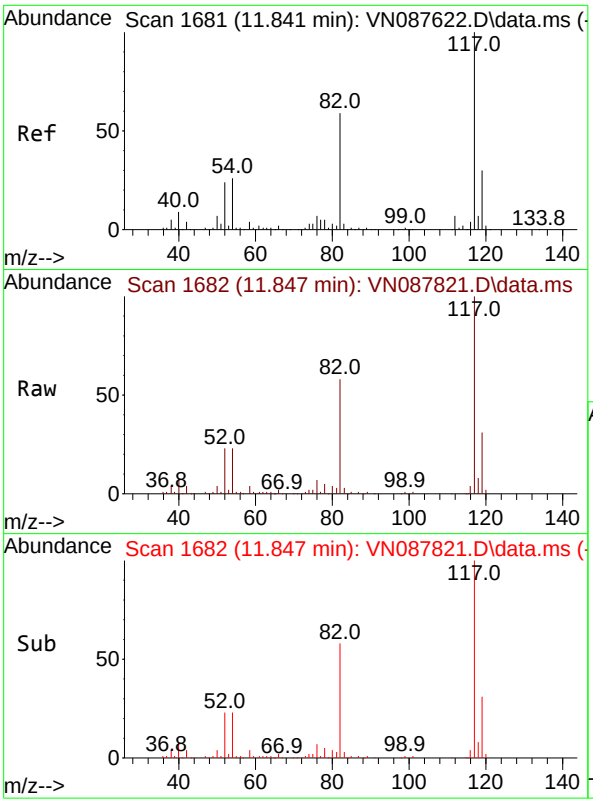


#62
4-Bromofluorobenzene
Concen: 45.565 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion: 95 Resp: 186538

Ion	Ratio	Lower	Upper
95	100		
174	78.1	0.0	138.4
176	70.0	0.0	132.6



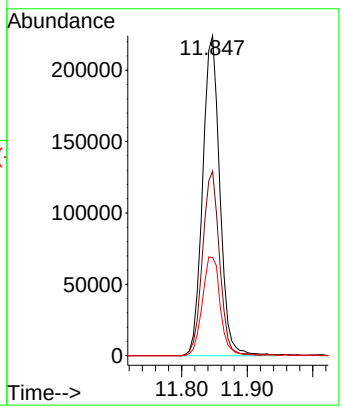


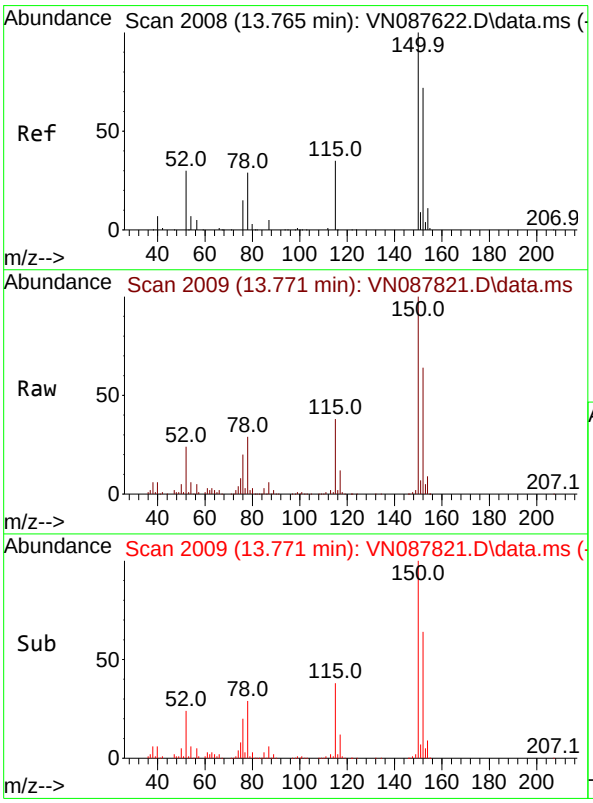
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Tgt Ion:117 Resp: 408687

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.2
119	30.7	24.3	36.5

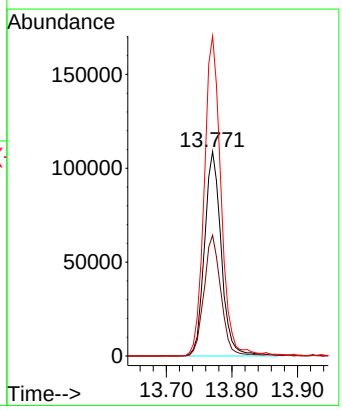




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087821.D
Acq: 15 Sep 2025 09:14

Tgt Ion:152 Resp: 193776

Ion	Ratio	Lower	Upper
152	100		
115	59.5	32.3	96.8
150	157.0	0.0	351.0



Sample Results: **VN087821.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087821.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1043	1053	1058	rBV	220382	544294	35.78%	6.853%
2	8.206	1058	1063	1076	rVB	288762	655472	43.09%	8.253%
3	8.559	1113	1123	1134	rBV	241365	557369	36.64%	7.018%
4	9.083	1202	1212	1224	rBV	518177	1080687	71.04%	13.607%
5	10.547	1451	1461	1472	rBV	828870	1521141	100.00%	19.153%
6	11.847	1673	1682	1694	rBV	726992	1341753	88.21%	16.894%
7	12.829	1840	1849	1863	rBV	523609	970978	63.83%	12.226%
8	13.771	2001	2009	2026	rVB	700964	1270528	83.52%	15.997%

Sum of corrected areas: 7942222

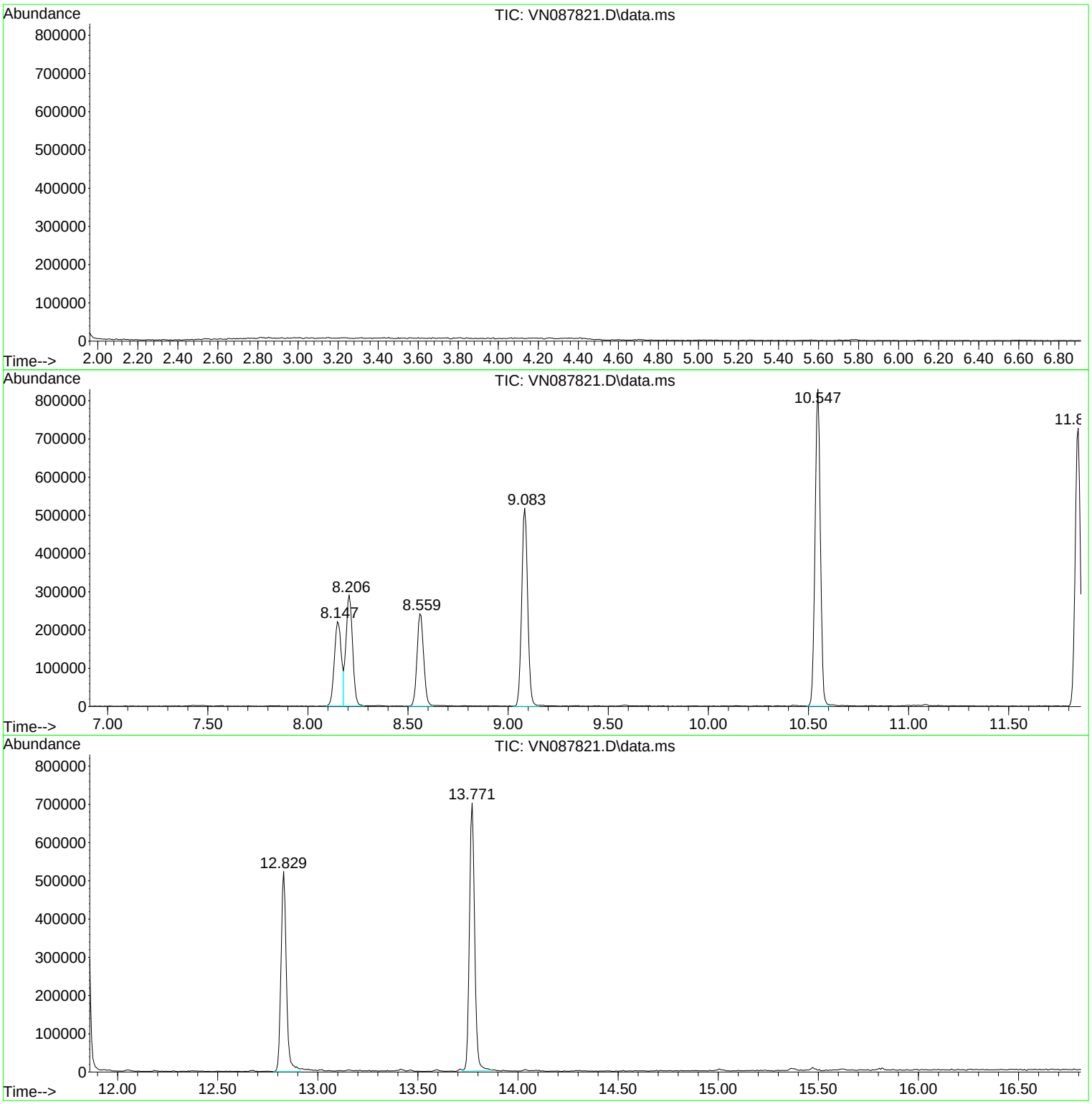
Sample Results: **VN087821.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087821.D
Acq On : 15 Sep 2025 09:14
Operator : JC\MD
Sample : VN0915MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

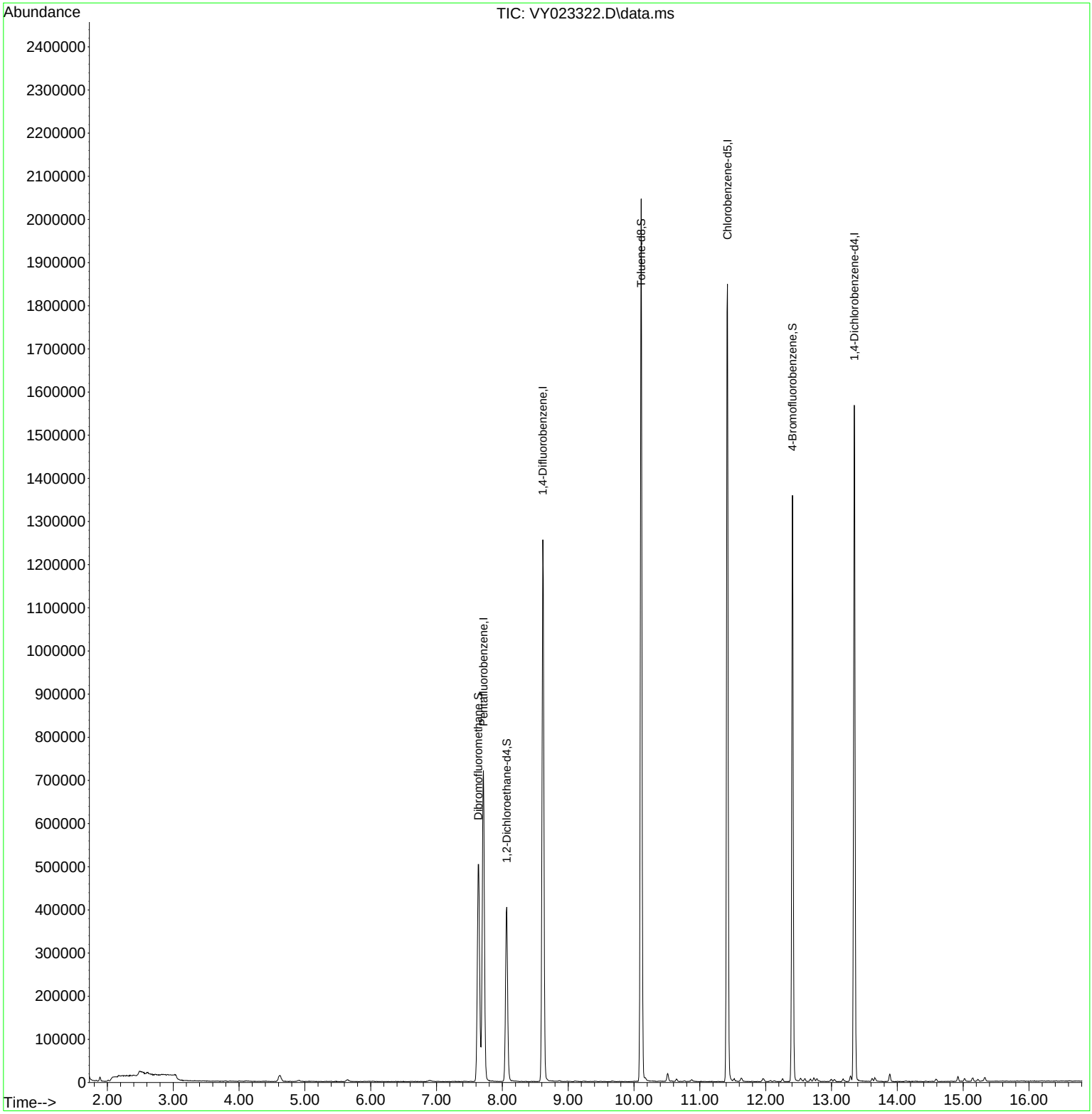
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	583431	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.615	114	1118169	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1034716	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	415042	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	313926	61.234	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 122.460%			
35) Dibromofluoromethane	7.634	113	367281	53.735	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 107.480%			
50) Toluene-d8	10.109	98	1335188	51.733	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 103.460%			
62) 4-Bromofluorobenzene	12.407	95	400984	49.369	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 98.740%			
Target Compounds						Qvalue

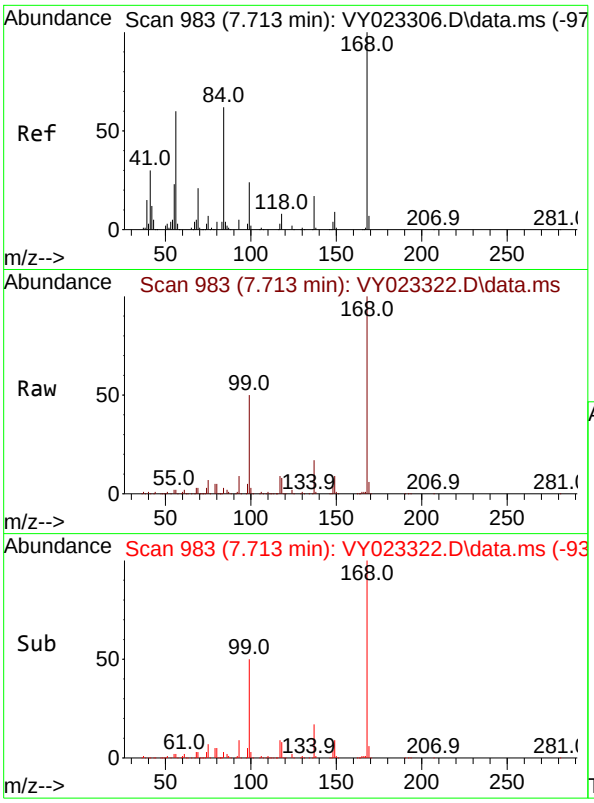
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Time: Sep 11 03:46:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration



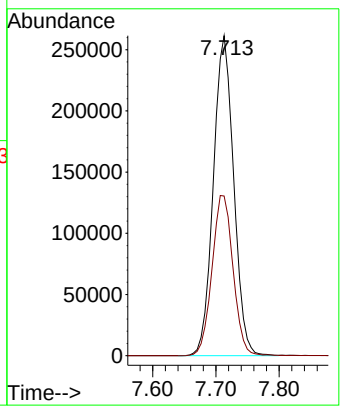


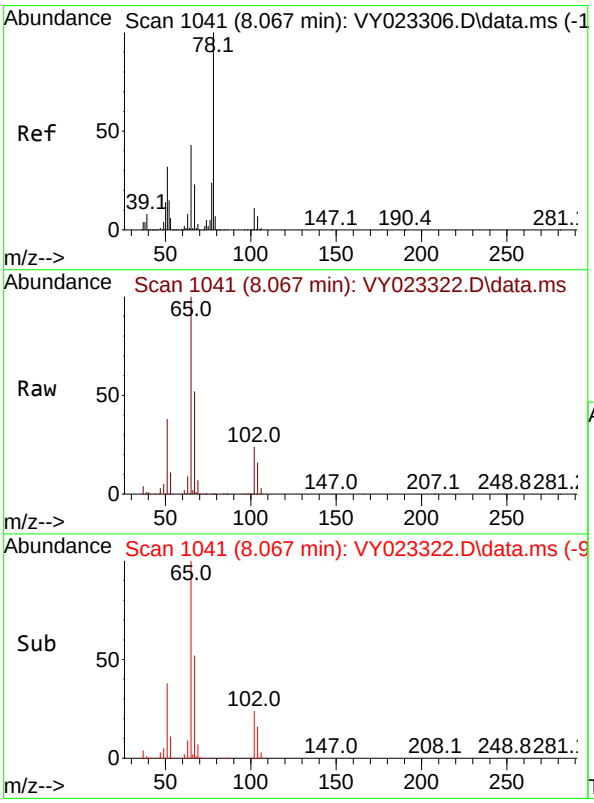
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:168 Resp: 583431

Ion	Ratio	Lower	Upper
168	100		
99	49.9	42.8	64.2

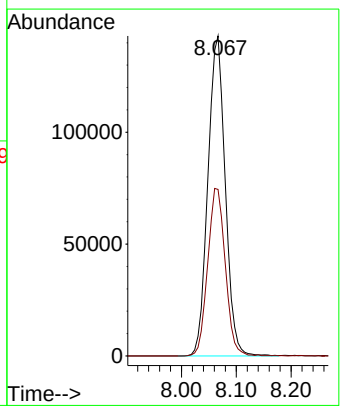


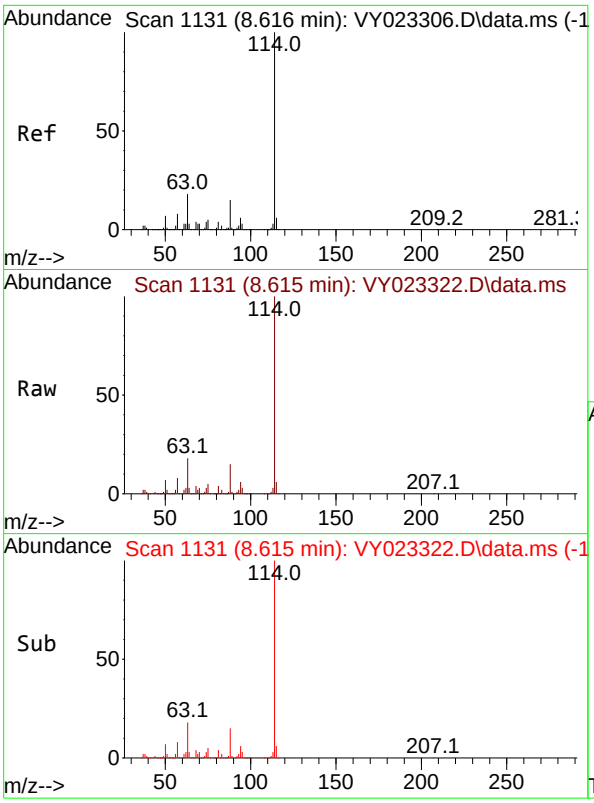


#33
1,2-Dichloroethane-d4
Concen: 61.234 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion: 65 Resp: 313926

Ion	Ratio	Lower	Upper
65	100		
67	53.0	0.0	106.8



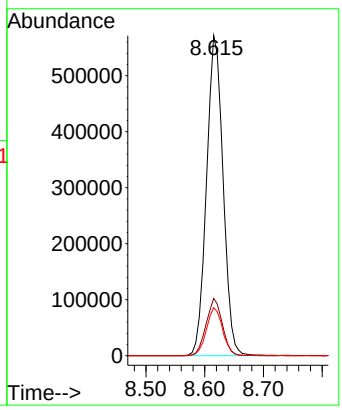


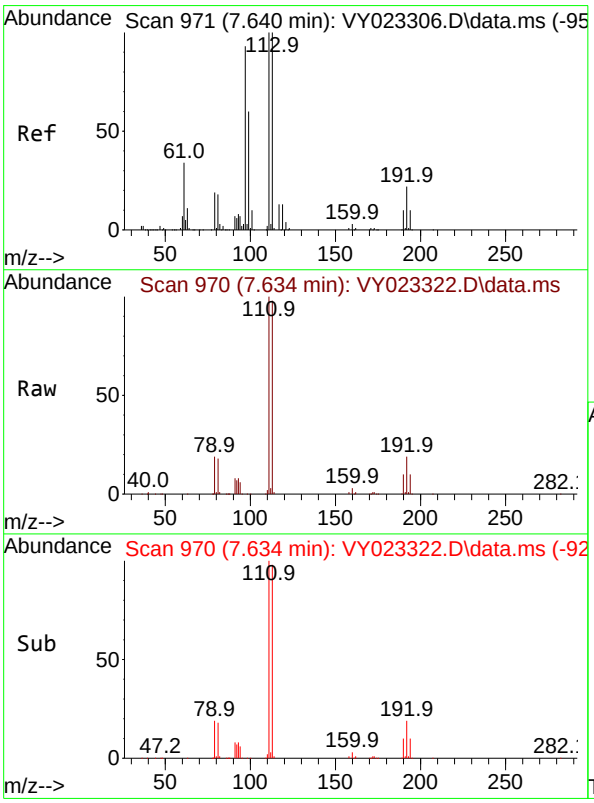
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.615 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:114 Resp: 1118169

Ion	Ratio	Lower	Upper
114	100		
63	17.9	0.0	38.4
88	15.0	0.0	30.0

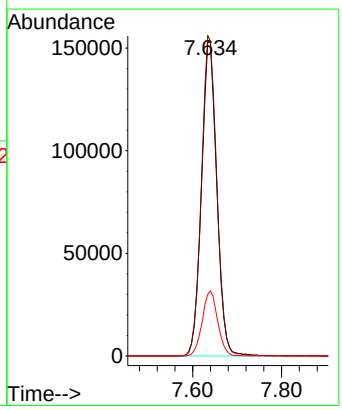


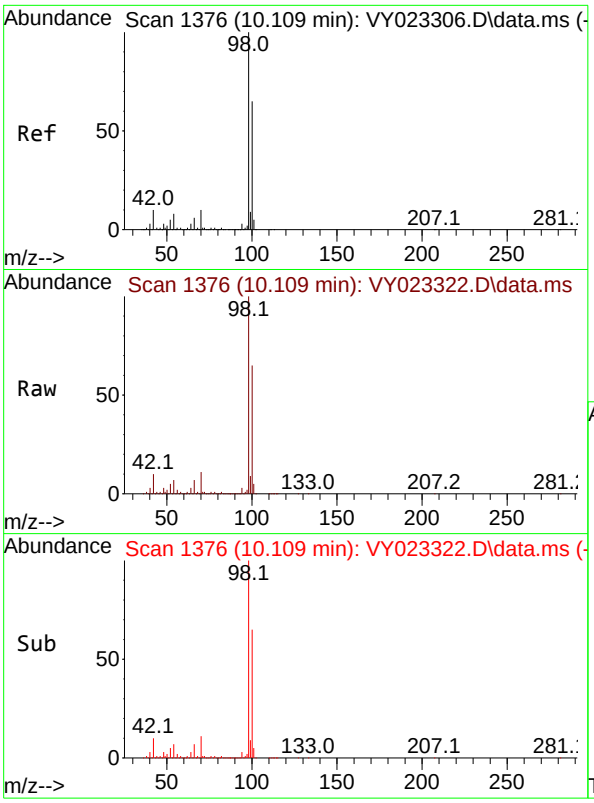


#35
Dibromofluoromethane
Concen: 53.735 ug/l
RT: 7.634 min Scan# 970
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion:113 Resp: 367281

Ion	Ratio	Lower	Upper
113	100		
111	102.2	81.1	121.7
192	20.9	16.2	24.4



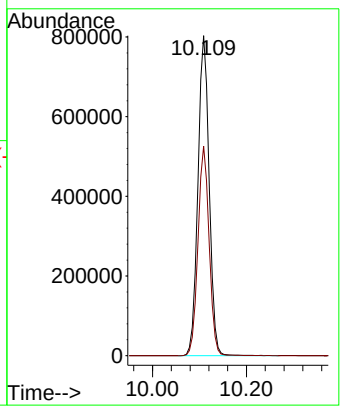


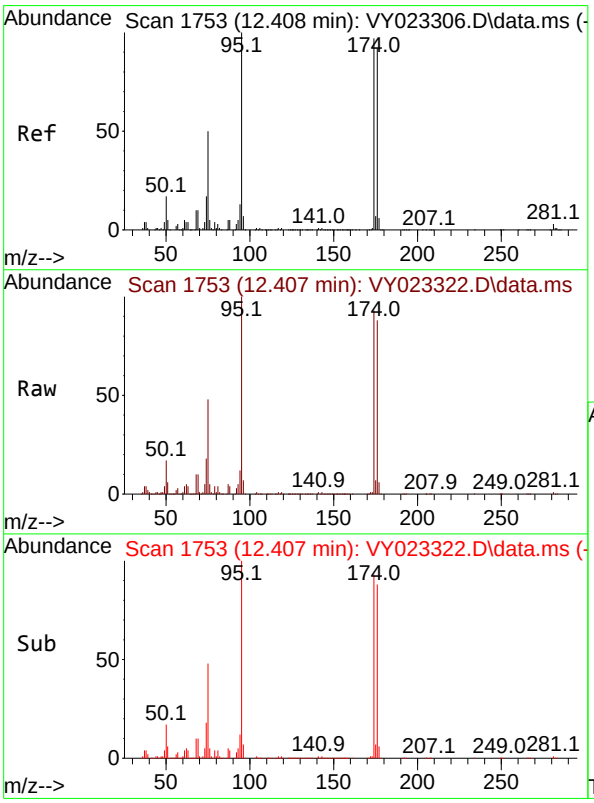
#50
Toluene-d8
Concen: 51.733 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion: 98 Resp: 1335188

Ion	Ratio	Lower	Upper
98	100		
100	64.9	52.3	78.5

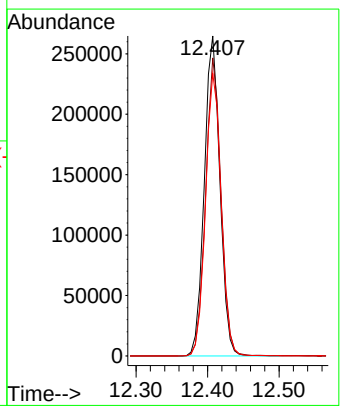


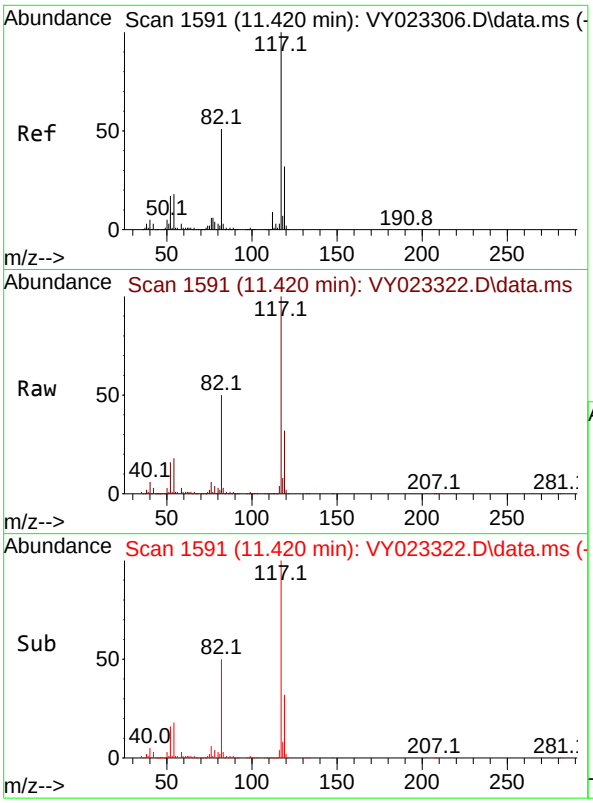


#62
4-Bromofluorobenzene
Concen: 49.369 ug/l
RT: 12.407 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion: 95 Resp: 400984

Ion	Ratio	Lower	Upper
95	100		
174	92.6	0.0	171.6
176	88.8	0.0	167.6



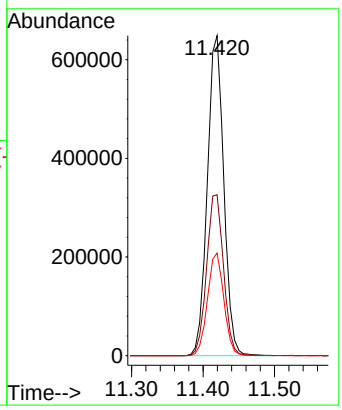


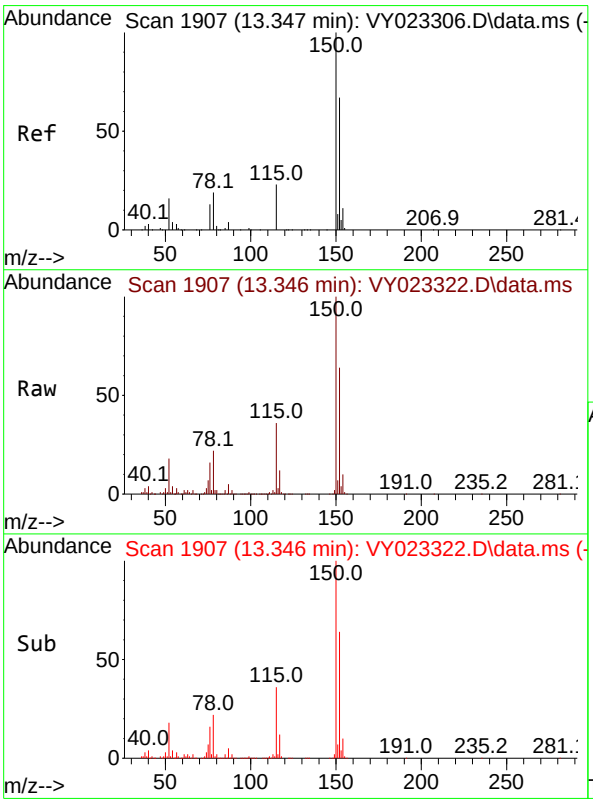
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Tgt Ion:117 Resp: 1034716

Ion	Ratio	Lower	Upper
117	100		
82	50.3	43.4	65.0
119	32.0	25.6	38.4

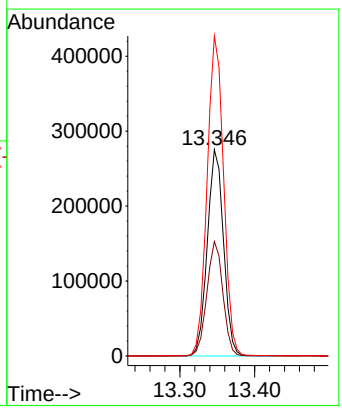




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023322.D
Acq: 10 Sep 2025 09:39

Tgt Ion:152 Resp: 415042

Ion	Ratio	Lower	Upper
152	100		
115	54.7	28.2	84.6
150	157.3	0.0	348.0



Sample Results: **VY023322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Title : SW846 8260

Signal : TIC: VY023322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	466	475	486	rBV4	14233	45669	1.34%	0.266%
2	7.634	957	970	977	rBV	503299	1231717	36.07%	7.171%
3	7.713	977	983	997	rVB	718615	1626925	47.65%	9.472%
4	8.067	1029	1041	1054	rBV	404396	898640	26.32%	5.232%
5	8.615	1121	1131	1148	rBV	1255460	2460690	72.07%	14.327%
6	10.109	1368	1376	1385	rBV	2045478	3414527	100.00%	19.880%
7	11.420	1583	1591	1604	rBV	1847973	3011233	88.19%	17.532%
8	12.407	1745	1753	1767	rBV	1358622	2092320	61.28%	12.182%
9	13.346	1901	1907	1917	rVB	1565415	2393558	70.10%	13.936%

Sum of corrected areas: 17175279

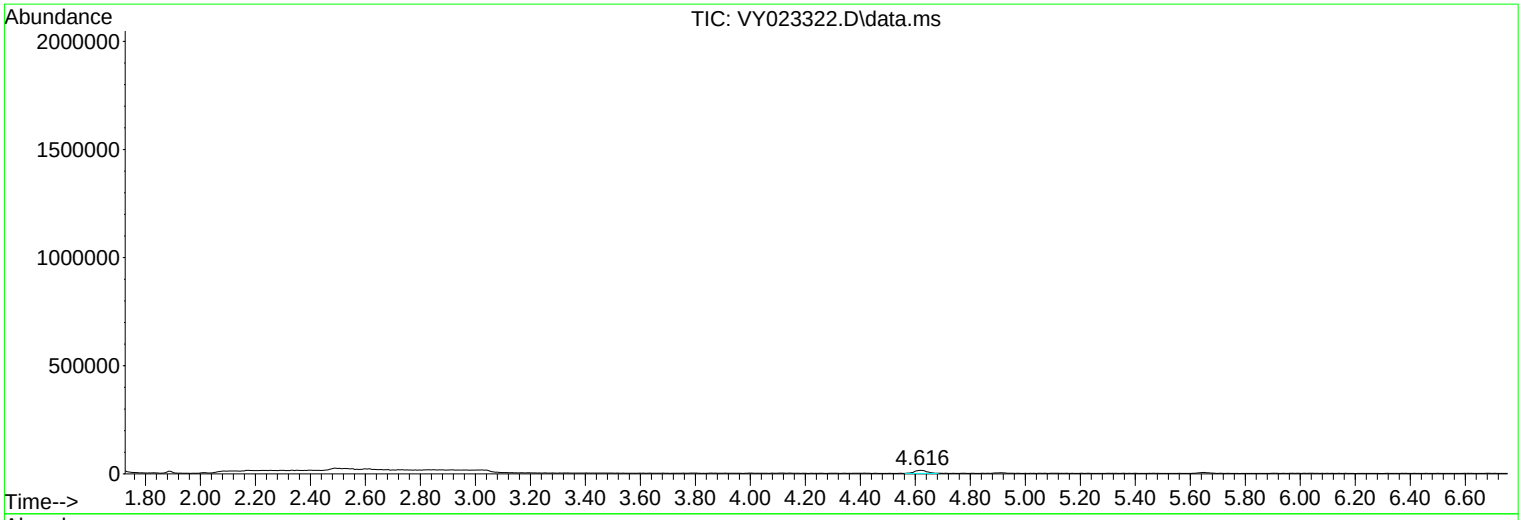
Sample Results: **VY023322.D**

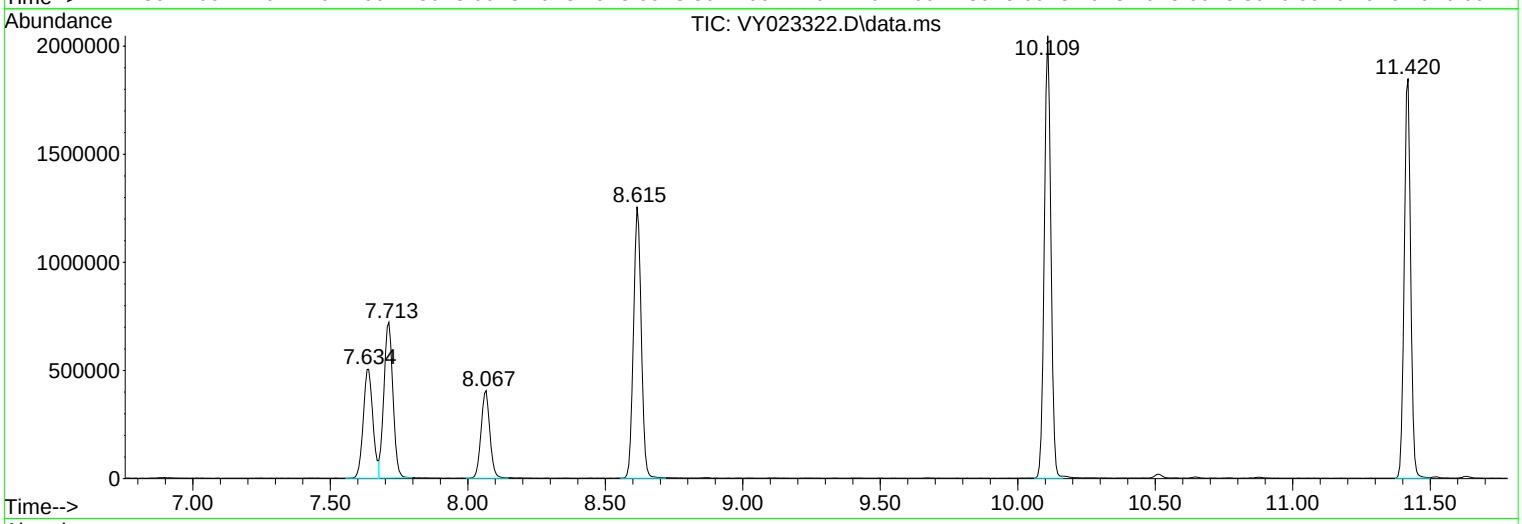
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

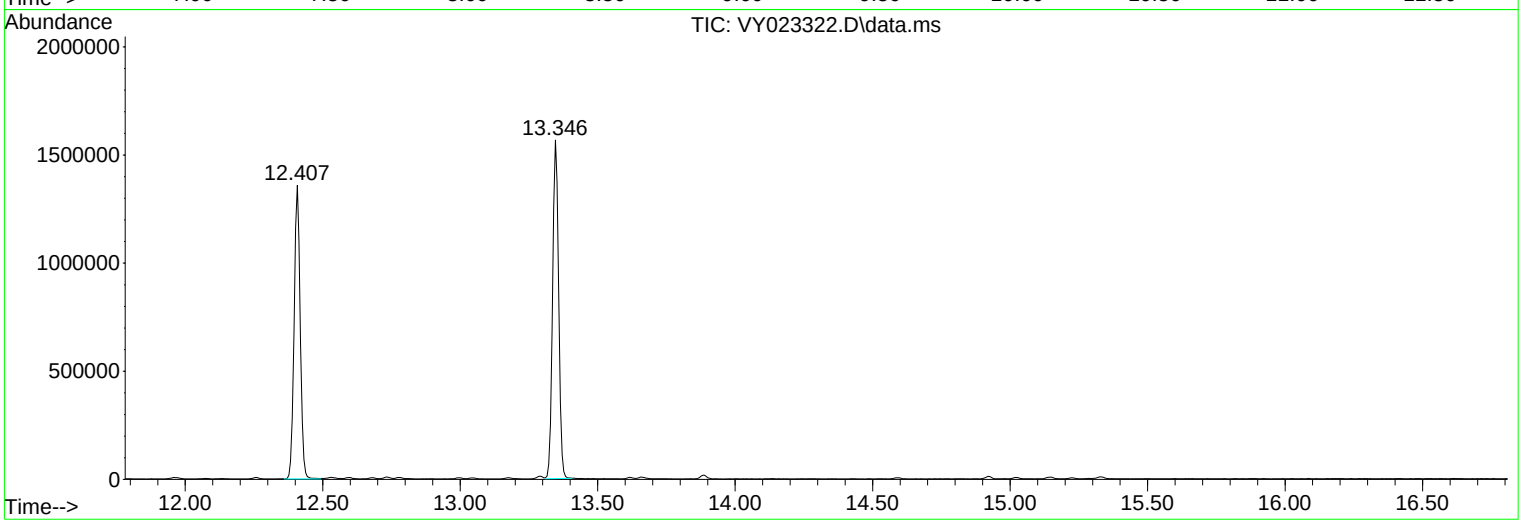
Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023322.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023322.D
Acq On : 10 Sep 2025 09:39
Operator : SY/MD
Sample : VY0910SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.212	168	204697	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.082	114	405190	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.847	117	394337	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	213436	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.565	65	203313	48.477	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 96.960%				
35) Dibromofluoromethane	8.153	113	144481	49.387	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.780%				
50) Toluene-d8	10.547	98	499460	45.615	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.220%				
62) 4-Bromofluorobenzene	12.829	95	180743	46.416	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.840%				
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	53195	18.297	ug/l		95
3) Chloromethane	2.389	50	56288	18.840	ug/l		90
4) Vinyl Chloride	2.536	62	64520	18.625	ug/l		95
5) Bromomethane	2.983	94	28705	16.059	ug/l		96
6) Chloroethane	3.142	64	44719	18.367	ug/l		89
7) Trichlorofluoromethane	3.512	101	99089	19.524	ug/l		92
8) Diethyl Ether	3.971	74	38411	17.378	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.371	101	51645	17.983	ug/l		95
10) Methyl Iodide	4.583	142	19794	14.777	ug/l	#	95
11) Tert butyl alcohol	5.530	59	62270	85.525	ug/l		96
12) 1,1-Dichloroethene	4.341	96	53213	18.031	ug/l		92
13) Acrolein	4.177	56	78133	87.290	ug/l		98
14) Allyl chloride	5.018	41	85840	16.051	ug/l		98
15) Acrylonitrile	5.712	53	185996	90.579	ug/l		98
16) Acetone	4.424	43	179547	78.642	ug/l		91
17) Carbon Disulfide	4.706	76	161646	19.896	ug/l	#	95
18) Methyl Acetate	5.018	43	94490	19.766	ug/l		94
19) Methyl tert-butyl Ether	5.788	73	198338	17.915	ug/l		99
20) Methylene Chloride	5.271	84	66257	19.302	ug/l		88
21) trans-1,2-Dichloroethene	5.783	96	58706	18.354	ug/l		86
22) Diisopropyl ether	6.659	45	206836	17.922	ug/l		99
23) Vinyl Acetate	6.588	43	840944	80.090	ug/l		99
24) 1,1-Dichloroethane	6.553	63	115355	18.230	ug/l		97
25) 2-Butanone	7.471	43	259016	86.233	ug/l		95
26) 2,2-Dichloropropane	7.477	77	86226	15.877	ug/l		100
27) cis-1,2-Dichloroethene	7.477	96	70593	18.462	ug/l		98
28) Bromochloromethane	7.800	49	66347	21.688	ug/l		96
29) Tetrahydrofuran	7.824	42	165250	85.487	ug/l		95
30) Chloroform	7.947	83	124164	19.224	ug/l		99
31) Cyclohexane	8.241	56	88094	16.699	ug/l		94
32) 1,1,1-Trichloroethane	8.153	97	101242	18.496	ug/l		93
36) 1,1-Dichloropropene	8.353	75	77690	17.311	ug/l		97
37) Ethyl Acetate	7.547	43	108388	17.674	ug/l		97
38) Carbon Tetrachloride	8.347	117	86455	19.511	ug/l		98
39) Methylcyclohexane	9.582	83	80456	16.283	ug/l		98
40) Benzene	8.594	78	256248	18.615	ug/l		94

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	56387	17.750	ug/l		97
42) 1,2-Dichloroethane	8.653	62	95239	18.004	ug/l		98
43) Isopropyl Acetate	8.671	43	169478	17.700	ug/l		98
44) Trichloroethene	9.329	130	59459	18.919	ug/l		84
45) 1,2-Dichloropropane	9.600	63	68179	18.790	ug/l		98
46) Dibromomethane	9.688	93	49259	19.077	ug/l		95
47) Bromodichloromethane	9.871	83	101576	19.195	ug/l		99
48) Methyl methacrylate	9.665	41	73680	16.269	ug/l		96
49) 1,4-Dioxane	9.676	88	22634	385.576	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.423	43	536906	92.940	ug/l		99
52) Toluene	10.612	92	161853	18.966	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	99488	18.163	ug/l		95
54) cis-1,3-Dichloropropene	10.294	75	103336	18.169	ug/l		99
55) 1,1,2-Trichloroethane	10.994	97	62857	19.040	ug/l		94
56) Ethyl methacrylate	10.859	69	94548	17.921	ug/l		99
57) 1,3-Dichloropropane	11.141	76	107237	18.355	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	256924	89.974	ug/l		98
59) 2-Hexanone	11.182	43	342435	93.792	ug/l		100
60) Dibromochloromethane	11.335	129	71871	18.789	ug/l		99
61) 1,2-Dibromoethane	11.447	107	66113	18.993	ug/l		100
64) Tetrachloroethene	11.088	164	48378	17.683	ug/l		88
65) Chlorobenzene	11.870	112	171204	17.451	ug/l		94
66) 1,1,1,2-Tetrachloroethane	11.941	131	65131	19.998	ug/l		97
67) Ethyl Benzene	11.941	91	289282	17.030	ug/l		98
68) m/p-Xylenes	12.047	106	217591	34.929	ug/l		100
69) o-Xylene	12.376	106	104520	17.121	ug/l		97
70) Styrene	12.394	104	184223	18.012	ug/l		97
71) Bromoform	12.559	173	46212	18.501	ug/l	#	96
73) Isopropylbenzene	12.676	105	268813	15.586	ug/l		100
74) N-amyl acetate	12.535	43	90375m	13.827	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	103264	17.391	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	97106m	19.401	ug/l		
77) Bromobenzene	12.959	156	69647	17.127	ug/l		94
78) n-propylbenzene	13.011	91	338010	15.911	ug/l		99
79) 2-Chlorotoluene	13.106	91	203223	15.896	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	237481	16.231	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.711	75	27758	14.682	ug/l	#	82
82) 4-Chlorotoluene	13.200	91	216369	16.097	ug/l		98
83) tert-Butylbenzene	13.417	119	195076	16.000	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	237351	16.205	ug/l		99
85) sec-Butylbenzene	13.594	105	283340	15.660	ug/l		98
86) p-Isopropyltoluene	13.706	119	240015	16.065	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	135745	16.951	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	140030	16.803	ug/l		96
89) n-Butylbenzene	14.035	91	229284	15.452	ug/l		99
90) Hexachloroethane	14.306	117	48471	17.029	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	129184	17.004	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22560	15.994	ug/l		96
93) 1,2,4-Trichlorobenzene	15.364	180	74092	16.240	ug/l		99
94) Hexachlorobutadiene	15.476	225	29433	18.096	ug/l		98
95) Naphthalene	15.611	128	246112	15.230	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	72462	16.247	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025

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

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

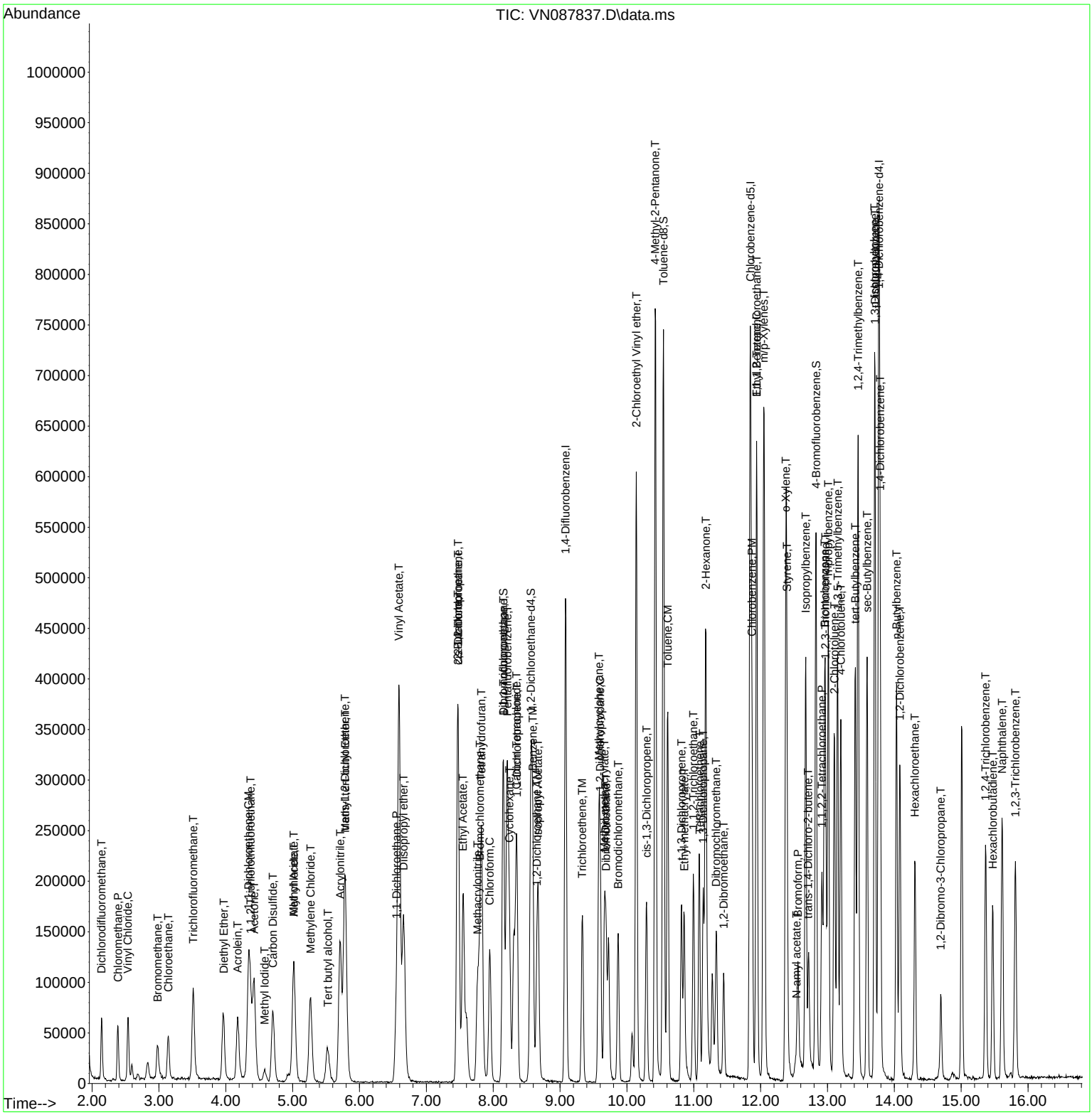
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091525\
Data File : VN087837.D
Acq On : 15 Sep 2025 15:02
Operator : JC\MD
Sample : VN0915MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 20 Sample Multiplier: 1

Quant Time: Sep 16 01:39:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0915MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/16/2025
Supervised By :Semsettin Yesilyurt 09/16/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	502093	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	763457	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	676997	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	350574	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	218744	49.580	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 99.160%			
35) Dibromofluoromethane	7.634	113	230025	49.290	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.580%			
50) Toluene-d8	10.109	98	890309	50.523	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.040%			
62) 4-Bromofluorobenzene	12.408	95	280578	50.595	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 101.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	83772	20.797	ug/l	94
3) Chloromethane	2.074	50	124849	21.660	ug/l	98
4) Vinyl Chloride	2.208	62	154360	21.257	ug/l	98
5) Bromomethane	2.592	94	131063	22.105	ug/l	98
6) Chloroethane	2.739	64	104502	21.266	ug/l	99
7) Trichlorofluoromethane	3.056	101	191708	20.917	ug/l	98
8) Diethyl Ether	3.458	74	48823	20.133	ug/l	97
9) 1,1,2-Trichlorotrifluo...	3.818	101	104265	21.154	ug/l	97
10) Methyl Iodide	4.007	142	103901	18.071	ug/l	99
11) Tert butyl alcohol	4.860	59	25296	99.227	ug/l	100
12) 1,1-Dichloroethene	3.793	96	95363	20.112	ug/l	94
13) Acrolein	3.653	56	40337	93.593	ug/l	98
14) Allyl chloride	4.385	41	122336	20.424	ug/l	97
15) Acrylonitrile	5.055	53	93413	97.849	ug/l	99
16) Acetone	3.866	43	108202	107.667	ug/l	99
17) Carbon Disulfide	4.104	76	307699	20.497	ug/l	98
18) Methyl Acetate	4.385	43	47119	19.114	ug/l	95
19) Methyl tert-butyl Ether	5.116	73	223833	20.077	ug/l	99
20) Methylene Chloride	4.616	84	124829	23.217	ug/l	91
21) trans-1,2-Dichloroethene	5.116	96	109436	20.657	ug/l	94
22) Diisopropyl ether	6.019	45	276095	20.698	ug/l	95
23) Vinyl Acetate	5.964	43	734886	99.652	ug/l	98
24) 1,1-Dichloroethane	5.915	63	180883	20.732	ug/l	99
25) 2-Butanone	6.896	43	128844	104.167	ug/l	96
26) 2,2-Dichloropropane	6.884	77	159633	20.721	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	123443	20.576	ug/l	93
28) Bromochloromethane	7.250	49	68387	19.920	ug/l	87
29) Tetrahydrofuran	7.268	42	71592	97.583	ug/l	96
30) Chloroform	7.421	83	194077	20.702	ug/l	98
31) Cyclohexane	7.707	56	154305	19.986	ug/l	93
32) 1,1,1-Trichloroethane	7.622	97	175185	20.916	ug/l	98
36) 1,1-Dichloropropene	7.841	75	135903	20.447	ug/l	98
37) Ethyl Acetate	6.988	43	50803	19.214	ug/l	98
38) Carbon Tetrachloride	7.823	117	156951	20.522	ug/l	96
39) Methylcyclohexane	9.109	83	171725	20.195	ug/l	97
40) Benzene	8.085	78	427299	20.682	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	27118m	19.805	ug/l		
42) 1,2-Dichloroethane	8.158	62	107843	20.502	ug/l		99
43) Isopropyl Acetate	8.201	43	100820	19.605	ug/l		99
44) Trichloroethene	8.866	130	120223	20.892	ug/l		94
45) 1,2-Dichloropropane	9.140	63	95935	20.561	ug/l		100
46) Dibromomethane	9.231	93	58770	20.683	ug/l		97
47) Bromodichloromethane	9.426	83	145234	20.316	ug/l		98
48) Methyl methacrylate	9.219	41	45877	19.139	ug/l		92
49) 1,4-Dioxane	9.231	88	11177	387.495	ug/l		95
51) 4-Methyl-2-Pentanone	10.000	43	258579	98.282	ug/l		99
52) Toluene	10.170	92	276761	21.109	ug/l		100
53) t-1,3-Dichloropropene	10.396	75	122968	19.980	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	147845	20.103	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	78045	20.648	ug/l		98
56) Ethyl methacrylate	10.438	69	83357	19.035	ug/l		97
57) 1,3-Dichloropropane	10.719	76	123908	20.193	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	175044	91.713	ug/l		94
59) 2-Hexanone	10.762	43	186389	102.479	ug/l		99
60) Dibromochloromethane	10.914	129	104904	20.455	ug/l		100
61) 1,2-Dibromoethane	11.018	107	71541	20.198	ug/l		99
64) Tetrachloroethene	10.646	164	145016	21.492	ug/l		99
65) Chlorobenzene	11.444	112	298856	20.151	ug/l		97
66) 1,1,1,2-Tetrachloroethane	11.518	131	106850	20.525	ug/l		99
67) Ethyl Benzene	11.518	91	489602	20.207	ug/l		98
68) m/p-Xylenes	11.627	106	400072	41.235	ug/l		96
69) o-Xylene	11.956	106	180809	20.131	ug/l		98
70) Styrene	11.969	104	304780	20.475	ug/l		98
71) Bromoform	12.133	173	62453	20.145	ug/l	#	100
73) Isopropylbenzene	12.255	105	475777	20.147	ug/l		100
74) N-amyl acetate	12.066	43	85132	19.072	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	76249	19.239	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	71554m	20.155	ug/l		
77) Bromobenzene	12.530	156	121187	20.087	ug/l		94
78) n-propylbenzene	12.597	91	571399	20.530	ug/l		98
79) 2-Chlorotoluene	12.682	91	323583	20.185	ug/l		96
80) 1,3,5-Trimethylbenzene	12.737	105	387970	20.200	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.304	75	23944	18.393	ug/l		97
82) 4-Chlorotoluene	12.780	91	339877	20.262	ug/l		98
83) tert-Butylbenzene	12.999	119	345942	19.887	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	390370	20.545	ug/l		99
85) sec-Butylbenzene	13.176	105	511538	20.211	ug/l		99
86) p-Isopropyltoluene	13.292	119	431225	20.170	ug/l		99
87) 1,3-Dichlorobenzene	13.286	146	238915	20.012	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	239570	20.260	ug/l		99
89) n-Butylbenzene	13.615	91	377453	19.908	ug/l		99
90) Hexachloroethane	13.877	117	94023	20.286	ug/l		100
91) 1,2-Dichlorobenzene	13.657	146	210268	20.200	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11991	19.282	ug/l		93
93) 1,2,4-Trichlorobenzene	14.919	180	120603	19.863	ug/l		99
94) Hexachlorobutadiene	15.023	225	77088	20.534	ug/l		99
95) Naphthalene	15.145	128	175490	17.982	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	105368	19.982	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

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

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

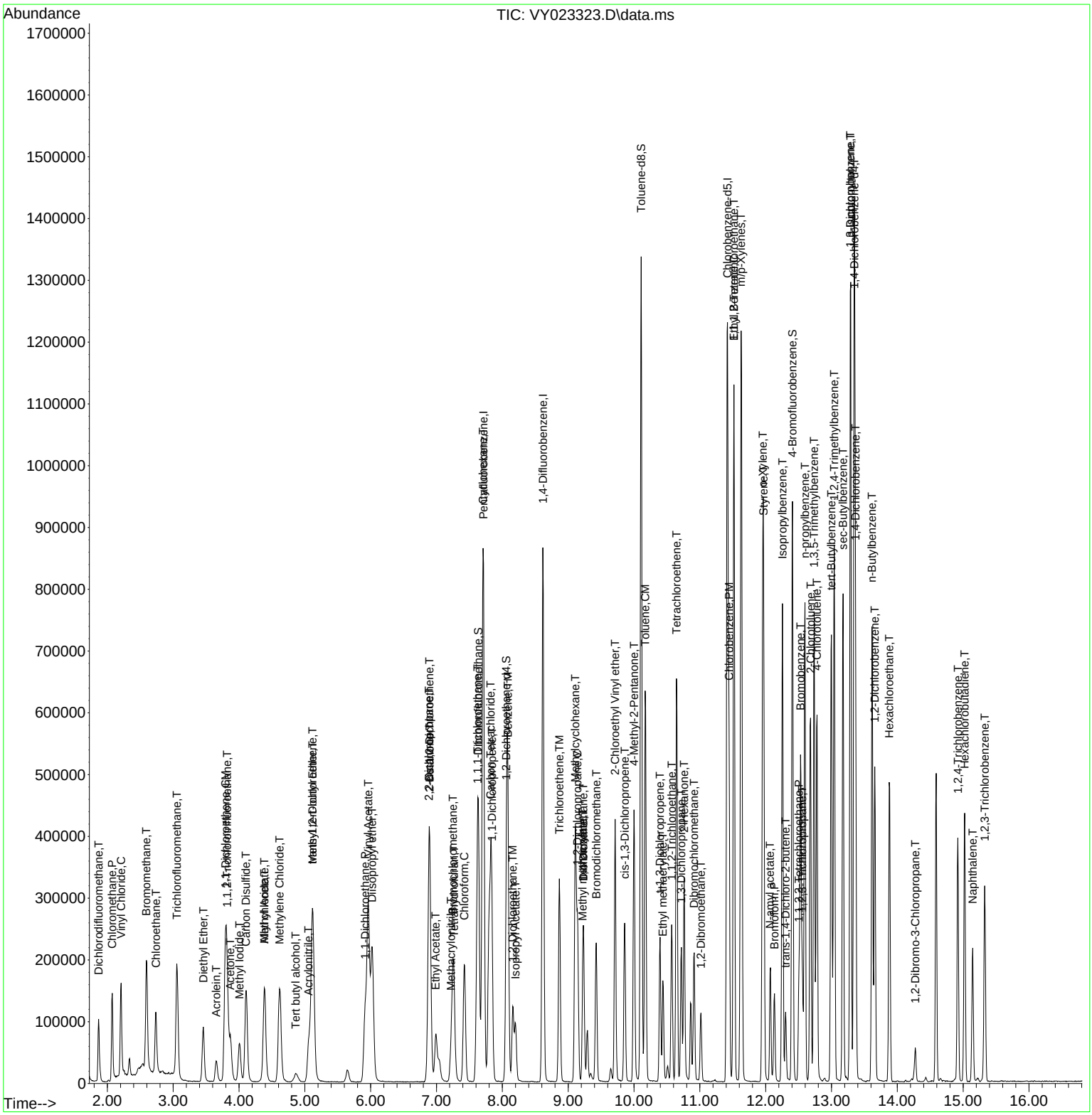
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023323.D
Acq On : 10 Sep 2025 10:11
Operator : SY/MD
Sample : VY0910SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Sep 11 03:46:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	502400	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	765892	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	669720	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	341290	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	213138	48.280	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.560%			
35) Dibromofluoromethane	7.640	113	227052	48.498	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.000%			
50) Toluene-d8	10.109	98	867003	49.044	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.080%			
62) 4-Bromofluorobenzene	12.402	95	270726	48.663	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.320%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	84379	20.935	ug/l	99
3) Chloromethane	2.074	50	121073	20.992	ug/l	96
4) Vinyl Chloride	2.208	62	151147	20.802	ug/l	100
5) Bromomethane	2.592	94	129401	21.811	ug/l	99
6) Chloroethane	2.732	64	101661	20.675	ug/l	100
7) Trichlorofluoromethane	3.062	101	188187	20.520	ug/l	100
8) Diethyl Ether	3.458	74	49235	20.290	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.824	101	99410	20.156	ug/l	98
10) Methyl Iodide	4.007	142	107253	18.642	ug/l	99
11) Tert butyl alcohol	4.860	59	27385	107.356	ug/l	99
12) 1,1-Dichloroethene	3.787	96	92477	19.492	ug/l	92
13) Acrolein	3.659	56	41537	96.319	ug/l	96
14) Allyl chloride	4.385	41	118610	19.790	ug/l	97
15) Acrylonitrile	5.061	53	93964	98.366	ug/l	99
16) Acetone	3.873	43	107417	106.821	ug/l	99
17) Carbon Disulfide	4.110	76	296875	19.764	ug/l	99
18) Methyl Acetate	4.385	43	50383	20.425	ug/l	99
19) Methyl tert-butyl Ether	5.122	73	221043	19.814	ug/l	95
20) Methylene Chloride	4.622	84	120067	22.317	ug/l	93
21) trans-1,2-Dichloroethene	5.116	96	106494	20.089	ug/l	98
22) Diisopropyl ether	6.025	45	269535	20.194	ug/l	94
23) Vinyl Acetate	5.964	43	728549	98.733	ug/l	98
24) 1,1-Dichloroethane	5.921	63	175181	20.066	ug/l	98
25) 2-Butanone	6.896	43	128969	104.205	ug/l	98
26) 2,2-Dichloropropane	6.890	77	156397	20.289	ug/l	100
27) cis-1,2-Dichloroethene	6.890	96	120207	20.024	ug/l	94
28) Bromochloromethane	7.250	49	67872	19.758	ug/l	88
29) Tetrahydrofuran	7.262	42	72731	99.075	ug/l	96
30) Chloroform	7.421	83	188351	20.079	ug/l	97
31) Cyclohexane	7.701	56	152437	19.732	ug/l	97
32) 1,1,1-Trichloroethane	7.616	97	167942	20.039	ug/l	98
36) 1,1-Dichloropropene	7.841	75	134914	20.233	ug/l	99
37) Ethyl Acetate	6.988	43	50254	18.946	ug/l	95
38) Carbon Tetrachloride	7.823	117	151104	19.694	ug/l	94
39) Methylcyclohexane	9.109	83	167195	19.600	ug/l	99
40) Benzene	8.085	78	420339	20.281	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	26112m	19.010	ug/l		
42) 1,2-Dichloroethane	8.158	62	107219	20.319	ug/l		99
43) Isopropyl Acetate	8.201	43	99268	19.242	ug/l		95
44) Trichloroethene	8.866	130	115823	20.063	ug/l		99
45) 1,2-Dichloropropane	9.146	63	93560	19.988	ug/l		97
46) Dibromomethane	9.231	93	57045	20.012	ug/l		97
47) Bromodichloromethane	9.426	83	144019	20.082	ug/l		96
48) Methyl methacrylate	9.225	41	46038	19.145	ug/l		92
49) 1,4-Dioxane	9.231	88	12067	417.020	ug/l		93
51) 4-Methyl-2-Pentanone	9.999	43	261316	99.007	ug/l		99
52) Toluene	10.170	92	264688	20.124	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	121598	19.694	ug/l		95
54) cis-1,3-Dichloropropene	9.859	75	145341	19.700	ug/l		98
55) 1,1,2-Trichloroethane	10.573	97	76175	20.089	ug/l		99
56) Ethyl methacrylate	10.438	69	83419	18.989	ug/l		96
57) 1,3-Dichloropropane	10.719	76	122160	19.844	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	179310	93.649	ug/l		97
59) 2-Hexanone	10.762	43	186046	101.965	ug/l		100
60) Dibromochloromethane	10.914	129	103469	20.111	ug/l		100
61) 1,2-Dibromoethane	11.018	107	71228	20.046	ug/l		99
64) Tetrachloroethene	10.646	164	141550	21.206	ug/l		98
65) Chlorobenzene	11.444	112	296013	20.176	ug/l		95
66) 1,1,1,2-Tetrachloroethane	11.518	131	103824	20.161	ug/l		100
67) Ethyl Benzene	11.518	91	477904	19.938	ug/l		96
68) m/p-Xylenes	11.627	106	388769	40.505	ug/l		96
69) o-Xylene	11.956	106	177226	19.947	ug/l		99
70) Styrene	11.969	104	298518	20.272	ug/l		98
71) Bromoform	12.133	173	62431	20.357	ug/l	#	99
73) Isopropylbenzene	12.255	105	455493	19.813	ug/l		98
74) N-amyl acetate	12.072	43	86950	20.009	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74280	19.252	ug/l		96
76) 1,2,3-Trichloropropane	12.554	75	68041m	19.687	ug/l		
77) Bromobenzene	12.530	156	118368	20.153	ug/l		94
78) n-propylbenzene	12.597	91	553252	20.418	ug/l		98
79) 2-Chlorotoluene	12.676	91	317780	20.362	ug/l		97
80) 1,3,5-Trimethylbenzene	12.737	105	377848	20.208	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	24546	19.368	ug/l		98
82) 4-Chlorotoluene	12.773	91	329610	20.185	ug/l		97
83) tert-Butylbenzene	12.993	119	337520	19.931	ug/l		98
84) 1,2,4-Trimethylbenzene	13.042	105	379156	20.498	ug/l		98
85) sec-Butylbenzene	13.176	105	503224	20.424	ug/l		99
86) p-Isopropyltoluene	13.292	119	418859	20.125	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	235675	20.278	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	229951	19.976	ug/l		98
89) n-Butylbenzene	13.615	91	368655	19.972	ug/l		98
90) Hexachloroethane	13.877	117	89244	19.779	ug/l		94
91) 1,2-Dichlorobenzene	13.657	146	204225	20.154	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12084	19.960	ug/l		91
93) 1,2,4-Trichlorobenzene	14.919	180	119895	20.284	ug/l		97
94) Hexachlorobutadiene	15.023	225	73735	20.176	ug/l		98
95) Naphthalene	15.139	128	184113	19.379	ug/l		99
96) 1,2,3-Trichlorobenzene	15.328	180	103579	20.177	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025

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

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

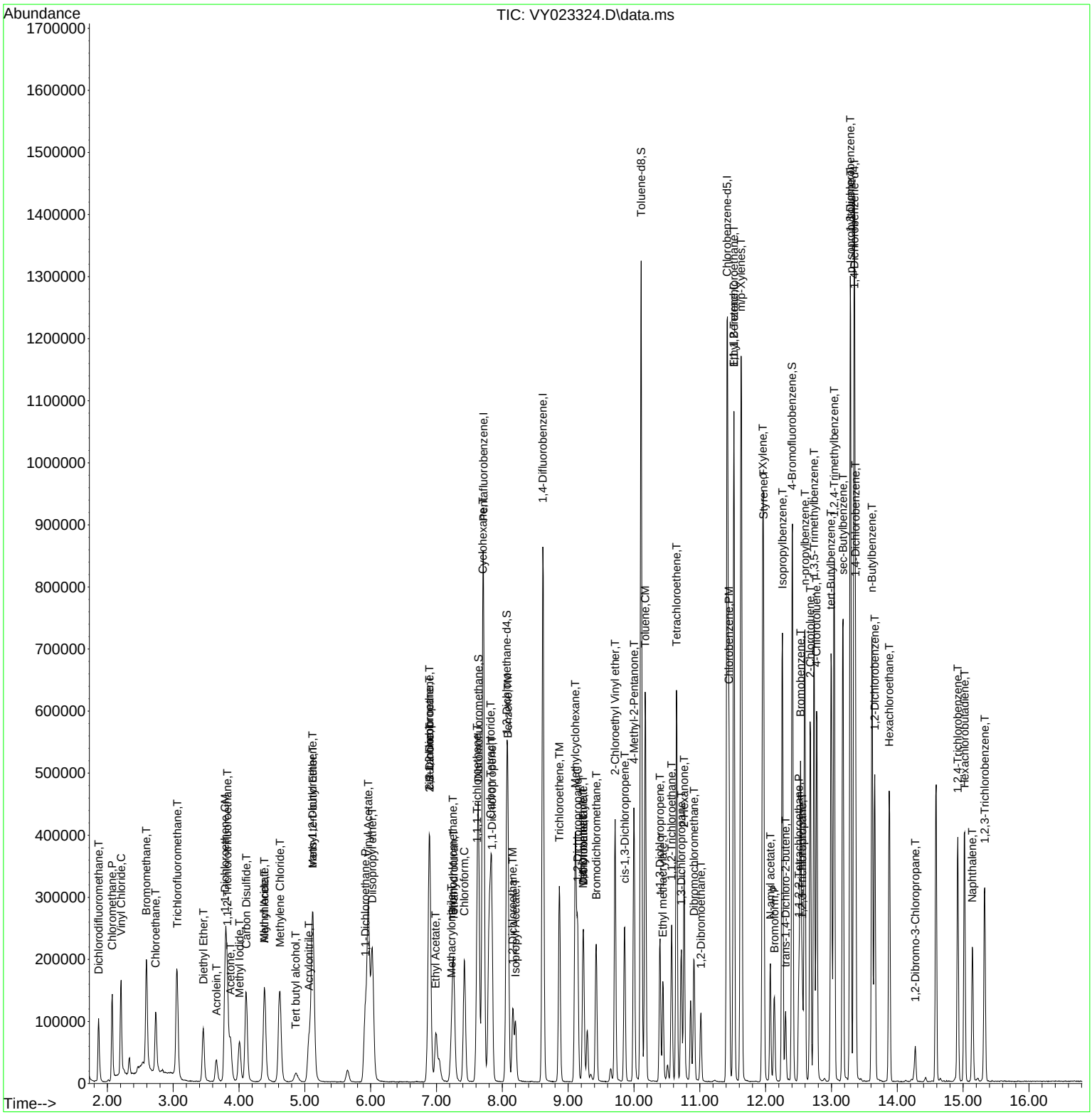
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY091025\
Data File : VY023324.D
Acq On : 10 Sep 2025 10:33
Operator : SY/MD
Sample : VY0910SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Sep 11 03:47:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y090825S.M
Quant Title : SW846 8260
QLast Update : Wed Sep 10 01:44:33 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0910SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 09/11/2025
Supervised By :Semsettin Yesilyurt 09/11/2025



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

Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN091525	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087820.D	1,2,3-Trichloropropane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	Bromomethane	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VSTDCCC050	VN087820.D	N-amyl acetate	JOHN	9/16/2025 8:01:03 AM	MMDadoda	9/16/2025 8:01:46 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VN0915MBS01	VN087837.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:11 AM	Sam	9/16/2025 8:05:40 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	1,2,3-Trichloropropane	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software
VSTDCCC050	VN087845.D	N-amyl acetate	MMDadoda	9/16/2025 8:02:14 AM	Sam	9/16/2025 8:05:44 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VY090825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023303.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC005	VY023303.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:20 PM	Sam	9/9/2025 3:14:24 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC010	VY023304.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:22 PM	Sam	9/9/2025 3:14:25 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICC020	VY023305.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:23 PM	Sam	9/9/2025 3:14:30 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICCC050	VY023306.D	Methacrylonitrile	MMDadoda	9/9/2025 3:12:27 PM	Sam	9/9/2025 3:14:34 PM	Peak Integrated by Software
VSTDICC100	VY023307.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:48 PM	Sam	9/9/2025 3:14:36 PM	Peak Integrated by Software
VSTDICC150	VY023308.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:35 PM	Sam	9/9/2025 3:14:40 PM	Peak Integrated by Software
VSTDICV050	VY023310.D	1,2,3-Trichloropropane	MMDadoda	9/9/2025 3:12:36 PM	Sam	9/9/2025 3:14:46 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	Vy091025	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023321.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:08 PM	Sam	9/11/2025 5:40:46 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBS01	VY023323.D	Methacrylonitrile	MMDadoda	9/11/2025 5:30:10 PM	Sam	9/11/2025 5:39:42 PM	Peak Integrated by Software
VY0910SBSD01	VY023324.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
VY0910SBSD01	VY023324.D	Methacrylonitrile	MMDadoda	9/11/2025 5:30:15 PM	Sam	9/11/2025 5:39:46 PM	Peak Integrated by Software
Q3058-01	VY023328.D	Acetone	MMDadoda	9/11/2025 5:30:17 PM	Sam	9/11/2025 5:39:48 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	1,2,3-Trichloropropane	MMDadoda	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software
VSTDCCC050	VY023334.D	Methacrylonitrile	MMDadoda	9/11/2025 5:31:14 PM	Sam	9/11/2025 5:39:50 PM	Peak Integrated by Software

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087819.D	15 Sep 2025 08:18	JC\MD	Ok
2	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	JC\MD	Ok,M
3	VN0915MBL01	VN087821.D	15 Sep 2025 09:14	JC\MD	Ok
4	VN0915WBL01	VN087822.D	15 Sep 2025 09:35	JC\MD	Ok
5	VN0915WBS01	VN087823.D	15 Sep 2025 09:56	JC\MD	Ok,M
6	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29	JC\MD	Ok,M
7	Q3083-01	VN087825.D	15 Sep 2025 10:50	JC\MD	Ok
8	Q3088-02	VN087826.D	15 Sep 2025 11:11	JC\MD	Ok
9	PB169678TB	VN087827.D	15 Sep 2025 11:32	JC\MD	Ok
10	Q3082-02	VN087828.D	15 Sep 2025 11:53	JC\MD	Ok
11	Q3082-04	VN087829.D	15 Sep 2025 12:14	JC\MD	Ok,M
12	Q3082-06	VN087830.D	15 Sep 2025 12:35	JC\MD	Ok
13	Q3082-08	VN087831.D	15 Sep 2025 12:56	JC\MD	Ok
14	Q3082-10	VN087832.D	15 Sep 2025 13:17	JC\MD	Ok,M
15	Q3092-01	VN087833.D	15 Sep 2025 13:38	JC\MD	Ok
16	Q3092-02	VN087834.D	15 Sep 2025 13:59	JC\MD	Ok
17	Q3092-03	VN087835.D	15 Sep 2025 14:20	JC\MD	Ok,M
18	Q3092-04	VN087836.D	15 Sep 2025 14:41	JC\MD	Ok
19	VN0915MBS01	VN087837.D	15 Sep 2025 15:02	JC\MD	Ok,M
20	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22	JC\MD	Ok,M
21	Q3058-01ME	VN087839.D	15 Sep 2025 15:43	JC\MD	Ok

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q3075-04	VN087840.D	15 Sep 2025 16:04	JC\MD	Ok
23	Q3074-01	VN087841.D	15 Sep 2025 16:25	JC\MD	Ok
24	Q3073-02	VN087842.D	15 Sep 2025 16:46	JC\MD	Ok
25	Q3075-06	VN087843.D	15 Sep 2025 17:06	JC\MD	Ok
26	Q3077-01	VN087844.D	15 Sep 2025 17:27	JC\MD	Not Ok
27	VSTDCCC050	VN087845.D	15 Sep 2025 18:09	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM		
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023302.D	08 Sep 2025 09:07	SY/MD	Ok
2	VSTDICC005	VY023303.D	08 Sep 2025 10:00	SY/MD	Ok,M
3	VSTDICC010	VY023304.D	08 Sep 2025 10:23	SY/MD	Ok,M
4	VSTDICC020	VY023305.D	08 Sep 2025 11:01	SY/MD	Ok,M
5	VSTDICCC050	VY023306.D	08 Sep 2025 11:23	SY/MD	Ok,M
6	VSTDICC100	VY023307.D	08 Sep 2025 11:46	SY/MD	Ok,M
7	VSTDICC150	VY023308.D	08 Sep 2025 12:08	SY/MD	Ok,M
8	VIBLK	VY023309.D	08 Sep 2025 12:32	SY/MD	Ok
9	VSTDICV050	VY023310.D	08 Sep 2025 12:55	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM				
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 2:06:55 AM				
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135409
Initial Calibration Stds	
CCC	VP135410,VP135411
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023320.D	10 Sep 2025 08:38	SY/MD	Ok
2	VSTDCCC050	VY023321.D	10 Sep 2025 09:09	SY/MD	Ok,M
3	VY0910SBL01	VY023322.D	10 Sep 2025 09:39	SY/MD	Ok
4	VY0910SBS01	VY023323.D	10 Sep 2025 10:11	SY/MD	Ok,M
5	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33	SY/MD	Ok,M
6	Q3055-01	VY023325.D	10 Sep 2025 11:39	SY/MD	Ok
7	Q3056-01	VY023326.D	10 Sep 2025 12:02	SY/MD	Ok
8	Q3059-01	VY023327.D	10 Sep 2025 12:25	SY/MD	Ok
9	Q3058-01	VY023328.D	10 Sep 2025 12:49	SY/MD	Dilution
10	Q3058-02	VY023329.D	10 Sep 2025 13:12	SY/MD	Ok
11	Q3066-01	VY023330.D	10 Sep 2025 14:02	SY/MD	Ok
12	Q3066-03	VY023331.D	10 Sep 2025 14:26	SY/MD	Ok
13	Q3065-01	VY023332.D	10 Sep 2025 14:49	SY/MD	ReRun
14	VIBLK	VY023333.D	10 Sep 2025 15:13	SY/MD	Ok
15	VSTDCCC050	VY023334.D	10 Sep 2025 15:35	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
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	VN087819.D	15 Sep 2025 08:18		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087820.D	15 Sep 2025 08:39	pH#Lot#V12668	JC\MD	Ok,M
3	VN0915MBL01	VN0915MBL01	VN087821.D	15 Sep 2025 09:14		JC\MD	Ok
4	VN0915WBL01	VN0915WBL01	VN087822.D	15 Sep 2025 09:35		JC\MD	Ok
5	VN0915WBS01	VN0915WBS01	VN087823.D	15 Sep 2025 09:56		JC\MD	Ok,M
6	VN0915WBSD01	VN0915WBSD01	VN087824.D	15 Sep 2025 10:29		JC\MD	Ok,M
7	Q3083-01	MW4S	VN087825.D	15 Sep 2025 10:50	vial B pH<2	JC\MD	Ok
8	Q3088-02	90525-LQ	VN087826.D	15 Sep 2025 11:11	vial A pH<2 brown/ turbid sample	JC\MD	Ok
9	PB169678TB	PB169678TB	VN087827.D	15 Sep 2025 11:32		JC\MD	Ok
10	Q3082-02	WC-29	VN087828.D	15 Sep 2025 11:53	vial A pH#5.0	JC\MD	Ok
11	Q3082-04	WC-30	VN087829.D	15 Sep 2025 12:14	vial A pH#5.0	JC\MD	Ok,M
12	Q3082-06	WC-31	VN087830.D	15 Sep 2025 12:35	vial A pH#5.0	JC\MD	Ok
13	Q3082-08	WC-32	VN087831.D	15 Sep 2025 12:56	vial A pH#5.0	JC\MD	Ok
14	Q3082-10	WC-33	VN087832.D	15 Sep 2025 13:17	vial A pH#5.0	JC\MD	Ok,M
15	Q3092-01	291376	VN087833.D	15 Sep 2025 13:38	vial A pH#5.0	JC\MD	Ok
16	Q3092-02	291376	VN087834.D	15 Sep 2025 13:59	vial A pH#5.0	JC\MD	Ok
17	Q3092-03	279182	VN087835.D	15 Sep 2025 14:20	vial A pH#5.0	JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091525

Review By	Mahesh Dadoda	Review On	9/16/2025 7:59:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/16/2025 8:03:28 AM		
SubDirectory	VN091525	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135447
Initial Calibration Stds	
CCC	VP135448,VP135449
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q3092-04	279182	VN087836.D	15 Sep 2025 14:41	vial A pH#5.0	JC\MD	Ok
19	VN0915MBS01	VN0915MBS01	VN087837.D	15 Sep 2025 15:02		JC\MD	Ok,M
20	VN0915MBSD01	VN0915MBSD01	VN087838.D	15 Sep 2025 15:22		JC\MD	Ok,M
21	Q3058-01ME	RPXY5ME	VN087839.D	15 Sep 2025 15:43		JC\MD	Ok
22	Q3075-04	MOO-25-0258	VN087840.D	15 Sep 2025 16:04	cloth material	JC\MD	Ok
23	Q3074-01	MOO-25-0141	VN087841.D	15 Sep 2025 16:25	cloth material	JC\MD	Ok
24	Q3073-02	BEL-25-0023	VN087842.D	15 Sep 2025 16:46	cloth material	JC\MD	Ok
25	Q3075-06	MOO-25-0259	VN087843.D	15 Sep 2025 17:06	cloth material	JC\MD	Ok
26	Q3077-01	LAW-25-0137	VN087844.D	15 Sep 2025 17:27	cloth material run straight MEOH	JC\MD	Not Ok
27	VSTDCCC050	VSTDCCC050EC	VN087845.D	15 Sep 2025 18:09		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY090825

Review By	Mahesh Dadoda	Review On	9/9/2025 3:13:06 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/19/2025 2:10:25 AM		
SubDirectory	VY090825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135392
Initial Calibration Stds	VP135393,VP135394,VP135395,VP135396,VP135397,VP135398
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135399
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023302.D	08 Sep 2025 09:07		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023303.D	08 Sep 2025 10:00		SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY023304.D	08 Sep 2025 10:23		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY023305.D	08 Sep 2025 11:01		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY023306.D	08 Sep 2025 11:23		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY023307.D	08 Sep 2025 11:46		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY023308.D	08 Sep 2025 12:08		SY/MD	Ok,M
8	VIBLK	VIBLK	VY023309.D	08 Sep 2025 12:32		SY/MD	Ok
9	VSTDICV050	ICVVY090825	VY023310.D	08 Sep 2025 12:55		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY091025

Review By	Semsettin Yesilyurt	Review On	9/11/2025 5:40:36 PM		
Supervise By	Mahesh Dadoda	Supervise On	9/19/2025 2:06:55 AM		
SubDirectory	VY091025	HP Acquire Method	MSVOA_Y	HP Processing Method	82y090825s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135409
Initial Calibration Stds	
CCC	VP135410,VP135411
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023320.D	10 Sep 2025 08:38		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023321.D	10 Sep 2025 09:09		SY/MD	Ok,M
3	VY0910SBL01	VY0910SBL01	VY023322.D	10 Sep 2025 09:39		SY/MD	Ok
4	VY0910SBS01	VY0910SBS01	VY023323.D	10 Sep 2025 10:11		SY/MD	Ok,M
5	VY0910SBSD01	VY0910SBSD01	VY023324.D	10 Sep 2025 10:33		SY/MD	Ok,M
6	Q3055-01	OR-03-090925	VY023325.D	10 Sep 2025 11:39	vial-A	SY/MD	Ok
7	Q3056-01	OK-02-090925	VY023326.D	10 Sep 2025 12:02	vial-A	SY/MD	Ok
8	Q3059-01	TR-06-09092025	VY023327.D	10 Sep 2025 12:25	vial-A	SY/MD	Ok
9	Q3058-01	RPXY5	VY023328.D	10 Sep 2025 12:49	vial-A Need MeOH	SY/MD	Dilution
10	Q3058-02	RPXY4	VY023329.D	10 Sep 2025 13:12	vial-A	SY/MD	Ok
11	Q3066-01	354	VY023330.D	10 Sep 2025 14:02	vial-A	SY/MD	Ok
12	Q3066-03	VNJ-242	VY023331.D	10 Sep 2025 14:26	vial-A	SY/MD	Ok
13	Q3065-01	VNJ-204	VY023332.D	10 Sep 2025 14:49	vial-A Internal Standard fail	SY/MD	ReRun
14	VIBLK	VIBLK	VY023333.D	10 Sep 2025 15:13		SY/MD	Ok
15	VSTDCCC050	VSTDCCC050EC	VY023334.D	10 Sep 2025 15:35		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3058	**OrderDate:**	9/9/2025 1:49:00 PM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-01	**RPXY5**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/10/25	
Q3058-01ME	**RPXY5ME**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/15/25	
Q3058-02	**RPXY4**	**SOIL**			**09/09/25**			**09/09/25**
			VOC-TCLVOA-10	8260D			09/10/25	
Q3058-03	**MW4**	**Water**			**09/09/25**			**09/09/25**
			VOCMS Group1	8260-Low			09/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3058

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW4**								
Q3058-03	MW4	Water	Chloromethane		24.3		0.32	1.00	ug/L
Q3058-03	MW4	Water	Bromomethane		9.90		1.40	5.00	ug/L
Q3058-03	MW4	Water	Acetone		23.1		1.50	5.00	ug/L
Q3058-03	MW4	Water	Carbon Disulfide		0.76	J	0.21	1.00	ug/L
Q3058-03	MW4	Water	Chloroform		3.00		0.25	1.00	ug/L
Q3058-03	MW4	Water	Benzene		0.79	J	0.15	1.00	ug/L
Q3058-03	MW4	Water	Bromodichloromethane		0.37	J	0.22	1.00	ug/L
Q3058-03	MW4	Water	Toluene		1.10		0.14	1.00	ug/L
Q3058-03	MW4	Water	Ethyl Benzene		0.82	J	0.13	1.00	ug/L
Q3058-03	MW4	Water	m/p-Xylenes		0.99	J	0.24	2.00	ug/L
Q3058-03	MW4	Water	o-Xylene		1.10		0.12	1.00	ug/L
			Total Voc :		66.2				
Q3058-03	MW4	Water	Naphthalene	*	1.20	J	0.20	1.00	ug/L
Q3058-03	MW4	Water	Methyl Iodide	*	14.6	J	0.83	5.00	ug/L
			Total Tics :		15.8				
			Total Concentration:		82.0				

SAMPLE DATA

Raw Data: **VN087782.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	MW4	SDG No.:	Q3058
Lab Sample ID:	Q3058-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	24.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	9.90		1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	23.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.76	J	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	3.00		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.79	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.37	J	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Raw Data: **VN087782.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	MW4	SDG No.:	Q3058
Lab Sample ID:	Q3058-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	1.10		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.82	J	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.99	J	0.24	2.00	ug/L
95-47-6	o-Xylene	1.10		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.6		70 (74) - 130 (125)	103%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	197000	8.206			
540-36-3	1,4-Difluorobenzene	454000	9.082			
3114-55-4	Chlorobenzene-d5	435000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	206000	13.77			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087782.D**

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

Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	MW4	SDG No.:	Q3058
Lab Sample ID:	Q3058-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087782.D	1	09/10/25 15:47	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-88-4	Methyl Iodide	14.6	J		4.58	ug/L
91-20-3	Naphthalene	1.20	J		15.6	ug/L

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

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

QC SUMMARY

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

SDG No.: Q3058

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3058-03	MW4	1,2-Dichloroethane-d4	50	51.6	103		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	46.8	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
VN0910WBL01	VN0910WBL01	1,2-Dichloroethane-d4	50	55.0	110		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	47.9	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.2	88		70 (77)	130 (121)
VN0910WBS01	VN0910WBS01	1,2-Dichloroethane-d4	50	46.3	93		70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98		70 (75)	130 (124)
		Toluene-d8	50	46.1	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.1	94		70 (77)	130 (121)
VN0910WBSD0	VN0910WBSD01	1,2-Dichloroethane-d4	50	45.1	90		70 (74)	130 (125)
		Dibromofluoromethane	50	49.6	99		70 (75)	130 (124)
		Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087777.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBS01	Dichlorodifluoromethane	20	19.0	ug/L	95			40 (69)	160 (116)	
	Chloromethane	20	19.9	ug/L	100			40 (65)	160 (116)	
	Vinyl chloride	20	19.7	ug/L	99			70 (65)	130 (117)	
	Bromomethane	20	21.0	ug/L	105			40 (58)	160 (125)	
	Chloroethane	20	19.4	ug/L	97			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.2	ug/L	101			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	19.5	ug/L	98			70 (74)	130 (110)	
	Acetone	100	97.1	ug/L	97			40 (60)	160 (125)	
	Carbon disulfide	20	17.6	ug/L	88			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.7	ug/L	99			70 (78)	130 (114)	
	Methyl Acetate	20	23.8	ug/L	119			70 (67)	130 (125)	
	Methylene Chloride	20	20.0	ug/L	100			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.0	ug/L	95			70 (75)	130 (108)	
	1,1-Dichloroethane	20	20.3	ug/L	102			70 (78)	130 (112)	
	Cyclohexane	20	17.9	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	97.4	ug/L	97			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.5	ug/L	103			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.8	ug/L	99			70 (77)	130 (110)	
	Bromochloromethane	20	18.5	ug/L	93			70 (70)	130 (124)	
	Chloroform	20	20.8	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.2	ug/L	101			70 (80)	130 (108)	
	Methylcyclohexane	20	17.5	ug/L	88			70 (72)	130 (115)	
	Benzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.2	ug/L	101			70 (80)	130 (115)	
	Trichloroethene	20	20.0	ug/L	100			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.9	ug/L	100			70 (83)	130 (111)	
	Dibromomethane	20	20.9	ug/L	104			70 (82)	130 (110)	
	Bromodichloromethane	20	21.2	ug/L	106			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	110	ug/L	110			40 (74)	160 (118)	
	Toluene	20	20.1	ug/L	101			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.9	ug/L	104			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	21.6	ug/L	108			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	1,2-Dibromoethane	20	20.9	ug/L	104			70 (81)	130 (110)	
	Tetrachloroethene	20	19.4	ug/L	97			70 (67)	130 (123)	
	Chlorobenzene	20	20.3	ug/L	102			70 (82)	130 (109)	
	Ethyl Benzene	20	20.1	ug/L	101			70 (83)	130 (109)	
	m/p-Xylenes	40	40.3	ug/L	101			70 (82)	130 (110)	
	o-Xylene	20	20.2	ug/L	101			70 (83)	130 (109)	
	Styrene	20	21.1	ug/L	106			70 (80)	130 (111)	
	Bromoform	20	23.2	ug/L	116			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.1	ug/L	101			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	20.3	ug/L	102			70 (82)	130 (109)	

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087777.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBS01	1,2-Dibromo-3-Chloropropane	20	19.6	ug/L	98			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.1	ug/L	96			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0910WBSD01	Dichlorodifluoromethane	20	19.5	ug/L	98	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	20.1	ug/L	101	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.9	ug/L	95	4		70 (65)	130 (117)	20 (19)
	Bromomethane	20	21.3	ug/L	106	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.7	ug/L	94	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	20.8	ug/L	104	3		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.9	ug/L	100	2		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	19.2	ug/L	96	2		70 (74)	130 (110)	20 (20)
	Acetone	100	93.6	ug/L	94	3		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.0	ug/L	85	3		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.2	ug/L	96	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	23.7	ug/L	119	0		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.0	ug/L	95	5		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.4	ug/L	92	3		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.0	ug/L	95	7		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.0	ug/L	90	0		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.7	ug/L	97	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	21.5	ug/L	108	5		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.1	ug/L	96	3		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.8	ug/L	89	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.3	ug/L	102	2		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.8	ug/L	99	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.0	ug/L	95	8		70 (72)	130 (115)	20 (20)
	Benzene	20	20.4	ug/L	102	3		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.6	ug/L	103	2		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	20.4	ug/L	102	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.9	ug/L	100	0		70 (83)	130 (111)	20 (16)
	Dibromomethane	20	21.2	ug/L	106	2		70 (82)	130 (110)	20 (20)
	Bromodichloromethane	20	21.5	ug/L	108	2		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	0		40 (74)	160 (118)	20 (25)
	Toluene	20	20.4	ug/L	102	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	21.3	ug/L	106	2		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	21.0	ug/L	105	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	22.1	ug/L	111	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (25)
	1,2-Dibromoethane	20	21.7	ug/L	109	5		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.8	ug/L	99	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.6	ug/L	103	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.2	ug/L	101	0		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	42.0	ug/L	105	4		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.6	ug/L	98	3		70 (83)	130 (109)	20 (20)
	Styrene	20	21.0	ug/L	105	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	22.7	ug/L	114	2		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.2	ug/L	96	3		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	21.3	ug/L	106	5		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.7	ug/L	99	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.8	ug/L	99	0		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.2	ug/L	101	1		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3058 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087778.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0910WBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/L	101	3		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.7	ug/L	99	3		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.8	ug/L	99	1		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0910WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087776.D Lab Sample ID: VN0910WBL01

Date Analyzed: 09/10/2025 Time Analyzed: 12:46

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
VN0910WBS01	VN0910WBS01	VN087777.D	09/10/2025
VN0910WBSD01	VN0910WBSD01	VN087778.D	09/10/2025
MW4	Q3058-03	VN087782.D	09/10/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VN087614.D | BFB Injection Date: 08/21/2025

Instrument ID: MSVOA_N | BFB Injection Time: 09:30

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	25.8
75	30.0 - 60.0% of mass 95	58.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.3
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	69
175	5.0 - 9.0% of mass 174	5.6 (8.1) 1
176	95.0 - 101.0% of mass 174	67.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.8 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC001	VSTDICC001	VN087619.D	08/21/2025	12:09
VSTDICC005	VSTDICC005	VN087620.D	08/21/2025	13:08
VSTDICC020	VSTDICC020	VN087621.D	08/21/2025	13:41
VSTDICCC050	VSTDICCC050	VN087622.D	08/21/2025	14:02
VSTDICC100	VSTDICC100	VN087623.D	08/21/2025	14:23
VSTDICC150	VSTDICC150	VN087624.D	08/21/2025	14:44

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q3058

Lab File ID: VN087773.D | BFB Injection Date: 09/10/2025

Instrument ID: MSVOA_N | BFB Injection Time: 11:13

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	22
75	30.0 - 60.0% of mass 95	56.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.4
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	72.4
175	5.0 - 9.0% of mass 174	5.9 (8.1) 1
176	95.0 - 101.0% of mass 174	69.2 (95.5) 1
177	5.0 - 9.0% of mass 176	4.9 (7.1) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087774.D	09/10/2025	11:47
VN0910WBL01	VN0910WBL01	VN087776.D	09/10/2025	12:46
VN0910WBS01	VN0910WBS01	VN087777.D	09/10/2025	13:29
VN0910WBSD01	VN0910WBSD01	VN087778.D	09/10/2025	13:50
MW4	Q3058-03	VN087782.D	09/10/2025	15:47

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087774.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_N Time Analyzed: 11:47

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	241352	8.21	467783	9.08	458675	11.84
UPPER LIMIT	482704	8.706	935566	9.582	917350	12.341
LOWER LIMIT	120676	7.706	233892	8.582	229338	11.341
EPA SAMPLE NO.						
MW4	196528	8.21	453885	9.08	434796	11.84
VN0910WBL01	177881	8.21	413161	9.08	392580	11.84
VN0910WBS01	247948	8.21	481179	9.08	443678	11.85
VN0910WBSD01	258583	8.21	480224	9.08	451507	11.84

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: GENV01

Lab Code: ACE SDG NO.: Q3058

Lab File ID: VN087774.D Date Analyzed: 09/10/2025

Instrument ID: MSVOA_N Time Analyzed: 11:47

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

	IS4 AREA #	RT #				
12 HOUR STD	238791	13.77				
UPPER LIMIT	477582	14.27				
LOWER LIMIT	119396	13.27				
EPA SAMPLE NO.						
MW4	206220	13.77				
VN0910WBL01	179388	13.77				
VN0910WBS01	236791	13.77				
VN0910WBSD01	236702	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: **VN087776.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
74-95-3	Dibromomethane	0.25	U	0.25	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Raw Data: **VN087776.D**

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buffington		Date Received:		
Client Sample ID:	VN0910WBL01		SDG No.:	Q3058	
Lab Sample ID:	VN0910WBL01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	47.9		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.2		70 (77) - 130 (121)	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	178000	8.206			
540-36-3	1,4-Difluorobenzene	413000	9.082			
3114-55-4	Chlorobenzene-d5	393000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	179000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBL01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBL01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087776.D	1	09/10/25 12:46	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087777.D	1	09/10/25 13:29	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.0		0.22	1.00	ug/L
74-87-3	Chloromethane	19.9		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.7		0.26	1.00	ug/L
74-83-9	Bromomethane	21.0		1.40	5.00	ug/L
75-00-3	Chloroethane	19.4		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.2		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.5		0.23	1.00	ug/L
67-64-1	Acetone	97.1		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.7		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.0		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	20.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	17.9		1.50	5.00	ug/L
78-93-3	2-Butanone	97.4		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.5		0.22	1.00	ug/L
67-66-3	Chloroform	20.8		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.2		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	17.5		0.16	1.00	ug/L
71-43-2	Benzene	19.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.2		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.0		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	1.00	ug/L
74-95-3	Dibromomethane	20.9		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	21.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

Raw Data: **VN087777.D**

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buffington		Date Received:		
Client Sample ID:	VN0910WBS01		SDG No.:	Q3058	
Lab Sample ID:	VN0910WBS01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5 Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	RXI-624 ID :	0.25	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087777.D	1	09/10/25 13:29	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.1		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.3		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	20.9		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.4		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.3		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.1		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.3		0.24	2.00	ug/L
95-47-6	o-Xylene	20.2		0.12	1.00	ug/L
100-42-5	Styrene	21.1		0.15	1.00	ug/L
75-25-2	Bromoform	23.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.1		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	20.1		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.6		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.1		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.5		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.3		70 (74) - 130 (125)	93%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (75) - 130 (124)	98%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.1		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	248000	8.206			
540-36-3	1,4-Difluorobenzene	481000	9.083			
3114-55-4	Chlorobenzene-d5	444000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.77			

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBS01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBS01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087777.D	1	09/10/25 13:29	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.5		0.22	1.00	ug/L
74-87-3	Chloromethane	20.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.9		0.26	1.00	ug/L
74-83-9	Bromomethane	21.3		1.40	5.00	ug/L
75-00-3	Chloroethane	18.7		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.8		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.9		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	19.2		0.23	1.00	ug/L
67-64-1	Acetone	93.6		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	17.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.2		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.0		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.4		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.0		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.0		1.50	5.00	ug/L
78-93-3	2-Butanone	96.7		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	21.5		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.1		0.19	1.00	ug/L
74-97-5	Bromochloromethane	17.8		0.22	1.00	ug/L
67-66-3	Chloroform	20.3		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.8		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.0		0.16	1.00	ug/L
71-43-2	Benzene	20.4		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.9		0.20	1.00	ug/L
74-95-3	Dibromomethane	21.2		0.25	1.00	ug/L
75-27-4	Bromodichloromethane	21.5		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

Raw Data: **VN087778.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.4		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.3		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.0		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	22.1		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
106-93-4	1,2-Dibromoethane	21.7		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.8		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.6		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	42.0		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	21.0		0.15	1.00	ug/L
75-25-2	Bromoform	22.7		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	21.3		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.2		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.1		70 (74) - 130 (125)	90%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	48.0		70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	259000	8.206			
540-36-3	1,4-Difluorobenzene	480000	9.083			
3114-55-4	Chlorobenzene-d5	452000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.771			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buffington	Date Received:	
Client Sample ID:	VN0910WBSD01	SDG No.:	Q3058
Lab Sample ID:	VN0910WBSD01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	RXI-624 ID : 0.25	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VN087778.D	1	09/10/25 13:50	VN091025

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

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

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

CALIBRATION SUMMARY

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

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.707	0.579	0.606	0.810	0.777	0.782	0.710	13.7
Chloromethane	0.739	0.637	0.710	0.795	0.752	0.747	0.730	7.3
Vinyl Chloride	0.909	0.739	0.832	0.903	0.847	0.846	0.846	7.3
Bromomethane		0.388	0.393	0.448	0.466	0.488	0.437	10.2
Chloroethane	0.727	0.528	0.599	0.603	0.558	0.554	0.595	11.9
Trichlorofluoromethane	1.323	1.139	1.242	1.274	1.227	1.233	1.240	4.9
1,1,2-Trichlorotrifluoroethane	0.879	0.648	0.677	0.695	0.654	0.656	0.701	12.6
1,1-Dichloroethene	0.892	0.649	0.730	0.700	0.667	0.687	0.721	12.3
Acetone	0.633	0.634	0.584	0.522	0.484	0.489	0.558	12.3
Carbon Disulfide	2.272	1.746	1.970	2.003	1.937	1.979	1.985	8.5
Methyl tert-butyl Ether	2.859	2.508	2.740	2.733	2.643	2.742	2.704	4.4
Methyl Acetate	1.450	1.043	1.097	1.157	1.117	1.141	1.168	12.3
Methylene Chloride	1.494	0.916	0.875	0.823	0.779	0.799	0.948	28.8
trans-1,2-Dichloroethene	0.952	0.734	0.768	0.750	0.737	0.745	0.781	10.8
1,1-Dichloroethane	1.798	1.500	1.549	1.501	1.454	1.471	1.546	8.3
Cyclohexane		1.490	1.310	1.234	1.201	1.207	1.289	9.4
2-Butanone	0.783	0.722	0.757	0.732	0.700	0.707	0.734	4.3
Carbon Tetrachloride	0.571	0.509	0.568	0.542	0.549	0.542	0.547	4.1
cis-1,2-Dichloroethene	0.997	0.916	0.937	0.941	0.908	0.905	0.934	3.7
Bromochloromethane	0.800	0.781	0.722	0.701	0.748	0.731	0.747	5
Chloroform	1.677	1.535	1.629	1.579	1.519	1.528	1.578	4
1,1,1-Trichloroethane	1.510	1.297	1.359	1.303	1.265	1.288	1.337	6.8
Methylcyclohexane	0.686	0.580	0.610	0.590	0.597	0.596	0.610	6.3
Benzene	1.853	1.637	1.727	1.684	1.639	1.652	1.699	4.9
1,2-Dichloroethane	0.714	0.627	0.675	0.650	0.624	0.626	0.653	5.5
Trichloroethene	0.435	0.387	0.390	0.377	0.367	0.370	0.388	6.5
1,2-Dichloropropane	0.544	0.435	0.447	0.433	0.415	0.412	0.448	11
Dibromomethane	0.351	0.294	0.327	0.318	0.310	0.312	0.319	6.1
Bromodichloromethane	0.686	0.649	0.667	0.638	0.638	0.639	0.653	3
4-Methyl-2-Pentanone	0.701	0.675	0.744	0.736	0.718	0.704	0.713	3.5

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

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VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Calibration Time(s): 12:09 14:44

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

LAB FILE ID: RRF001 = VN087619.D RRF005 = VN087620.D RRF020 = VN087621.D
RRF050 = VN087622.D RRF100 = VN087623.D RRF150 = VN087624.D

COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Toluene	1.148	0.987	1.062	1.050	1.037	1.033	1.053	5
t-1,3-Dichloropropene	0.620	0.628	0.691	0.703	0.699	0.715	0.676	6.1
cis-1,3-Dichloropropene	0.717	0.640	0.712	0.718	0.714	0.710	0.702	4.3
1,1,2-Trichloroethane	0.439	0.383	0.417	0.408	0.400	0.397	0.407	4.7
2-Hexanone	0.295	0.390	0.493	0.510	0.508	0.507	0.451	19.8
1,2-Dibromoethane	0.412	0.433	0.444	0.432	0.429	0.427	0.430	2.4
Tetrachloroethene	0.447	0.353	0.340	0.313	0.315	0.313	0.347	14.9
Chlorobenzene	1.408	1.164	1.253	1.210	1.216	1.212	1.244	6.9
Ethyl Benzene	2.232	1.993	2.224	2.144	2.152	2.178	2.154	4
m/p-Xylenes	0.759	0.735	0.811	0.812	0.808	0.814	0.790	4.3
o-Xylene	0.777	0.707	0.794	0.796	0.788	0.784	0.774	4.3
Styrene	1.142	1.086	1.391	1.382	1.386	1.393	1.297	11
Bromoform	0.303	0.285	0.320	0.320	0.336	0.336	0.317	6.3
Isopropylbenzene	4.328	3.674	4.096	4.026	3.998	4.120	4.040	5.3
1,1,2,2-Tetrachloroethane	1.488	1.381	1.421	1.363	1.322	1.371	1.391	4.1
1,3-Dichlorobenzene	2.087	1.770	1.940	1.827	1.806	1.826	1.876	6.3
1,4-Dichlorobenzene	2.348	1.884	1.956	1.867	1.818	1.841	1.952	10.2
1,2-Dichlorobenzene	1.942	1.662	1.853	1.755	1.723	1.743	1.780	5.7
1,2-Dibromo-3-Chloropropane	0.370	0.323	0.329	0.317	0.313	0.330	0.330	6.2
1,2,4-Trichlorobenzene	1.192	0.995	1.081	1.026	1.040	1.079	1.069	6.4
1,2,3-Trichlorobenzene	1.140	0.972	1.059	1.006	1.019	1.072	1.045	5.7
1,2-Dichloroethane-d4		1.025	1.016	0.959	1.035	1.089	1.024	4.5
Dibromofluoromethane		0.369	0.344	0.334	0.373	0.386	0.361	6
Toluene-d8		1.384	1.266	1.223	1.408	1.475	1.351	7.7
4-Bromofluorobenzene		0.446	0.454	0.450	0.514	0.540	0.481	9

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

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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q3058
Instrument ID: MSVOA_N
Calibration Date/Time: 09/10/2025 11:47
Lab File ID: VN087774.D
Init. Calib. Date(s): 08/21/2025 08/21/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 12:09 14:44
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.710	0.610		-14.09	20
Chloromethane	0.730	0.651	0.1	-10.82	20
Vinyl Chloride	0.846	0.733		-13.36	20
Bromomethane	0.437	0.399		-8.7	20
Chloroethane	0.595	0.515		-13.44	20
Trichlorofluoromethane	1.240	1.154		-6.93	20
1,1,2-Trichlorotrifluoroethane	0.701	0.632		-9.84	20
1,1-Dichloroethene	0.721	0.641		-11.1	20
Acetone	0.558	0.461		-17.38	20
Carbon Disulfide	1.985	1.593		-19.75	20
Methyl tert-butyl Ether	2.704	2.578		-4.66	20
Methyl Acetate	1.168	1.280		9.59	20
Methylene Chloride	0.948	0.752		-20.67	20
trans-1,2-Dichloroethene	0.781	0.691		-11.52	20
1,1-Dichloroethane	1.546	1.426	0.1	-7.76	20
Cyclohexane	1.289	1.032		-19.94	20
2-Butanone	0.734	0.668		-8.99	20
Carbon Tetrachloride	0.547	0.536		-2.01	20
cis-1,2-Dichloroethene	0.934	0.870		-6.85	20
Bromochloromethane	0.747	0.716		-4.15	20
Chloroform	1.578	1.527		-3.23	20
1,1,1-Trichloroethane	1.337	1.246		-6.81	20
Methylcyclohexane	0.610	0.519		-14.92	20
Benzene	1.699	1.610		-5.24	20
1,2-Dichloroethane	0.653	0.618		-5.36	20
Trichloroethene	0.388	0.359		-7.47	20
1,2-Dichloropropane	0.448	0.419		-6.47	20
Dibromomethane	0.319	0.315		-1.25	20
Bromodichloromethane	0.653	0.651		-0.31	20
4-Methyl-2-Pentanone	0.713	0.712		-0.14	20
Toluene	1.053	1.008		-4.27	20
t-1,3-Dichloropropene	0.676	0.671		-0.74	20
cis-1,3-Dichloropropene	0.702	0.684		-2.56	20
1,1,2-Trichloroethane	0.407	0.420		3.19	20
2-Hexanone	0.451	0.481		6.65	20
1,2-Dibromoethane	0.430	0.430		0	20
Tetrachloroethene	0.347	0.301		-13.26	20
Chlorobenzene	1.244	1.159	0.3	-6.83	20

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

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Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q3058

Instrument ID: MSVOA_N Calibration Date/Time: 09/10/2025 11:47

Lab File ID: VN087774.D Init. Calib. Date(s): 08/21/2025 08/21/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 12:09 14:44

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.154	1.995		-7.38	20
m/p-Xylenes	0.790	0.761		-3.67	20
o-Xylene	0.774	0.730		-5.68	20
Styrene	1.297	1.300		0.23	20
Bromoform	0.317	0.332	0.1	4.73	20
Isopropylbenzene	4.040	3.630		-10.15	20
1,1,2,2-Tetrachloroethane	1.391	1.305	0.3	-6.18	20
1,3-Dichlorobenzene	1.876	1.776		-5.33	20
1,4-Dichlorobenzene	1.952	1.790		-8.3	20
1,2-Dichlorobenzene	1.780	1.690		-5.06	20
1,2-Dibromo-3-Chloropropane	0.330	0.291		-11.82	20
1,2,4-Trichlorobenzene	1.069	1.007		-5.8	20
1,2,3-Trichlorobenzene	1.045	0.990		-5.26	20
1,2-Dichloroethane-d4	1.024	0.986		-3.71	20
Dibromofluoromethane	0.361	0.374		3.6	20
Toluene-d8	1.351	1.346		-0.37	20
4-Bromofluorobenzene	0.481	0.487		1.25	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\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Time: Sep 11 02:05:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

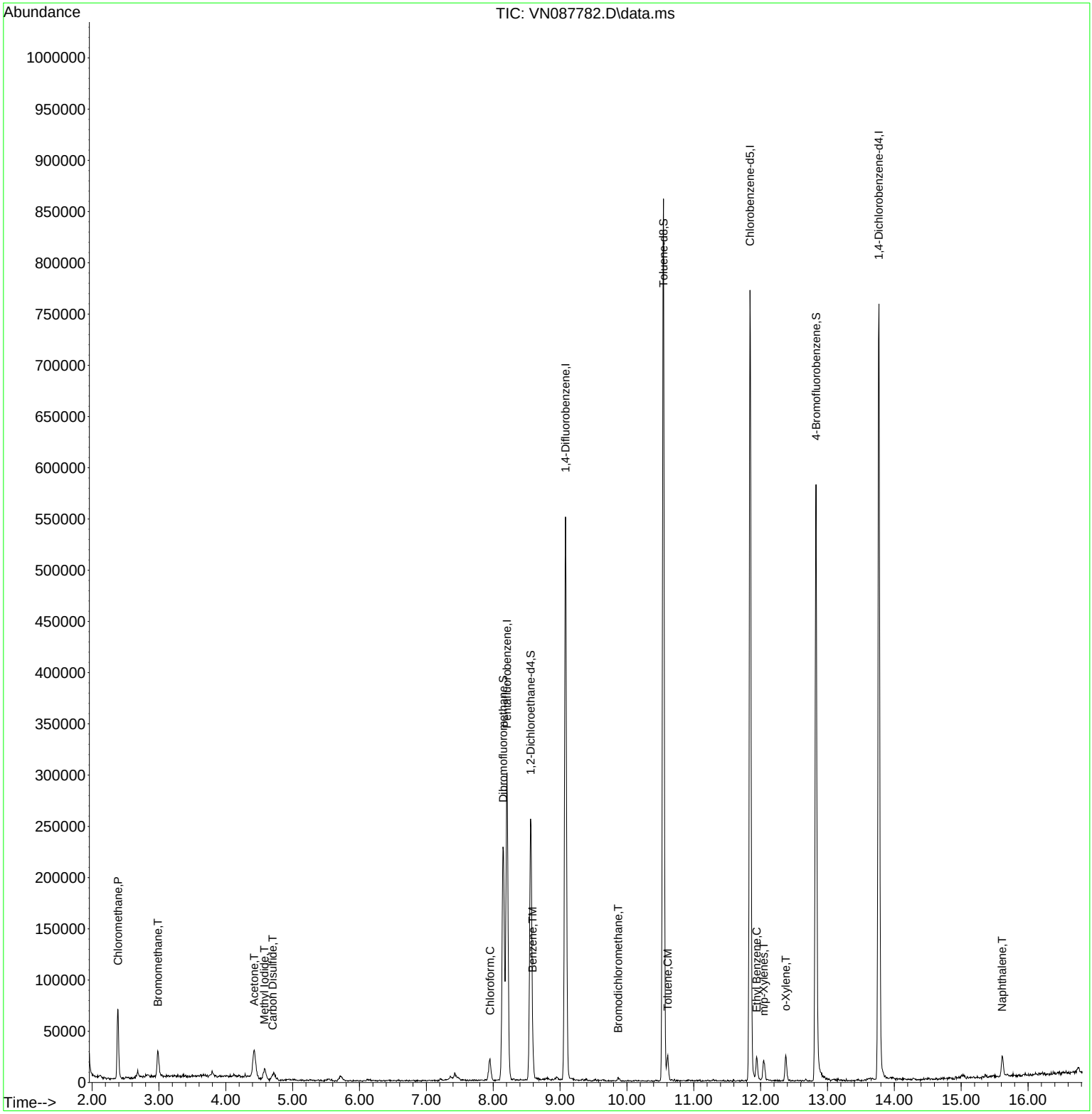
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	196528	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	453885	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	434796	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206220	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	207855	51.620	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 103.240%			
35) Dibromofluoromethane	8.147	113	164718	50.264	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.520%			
50) Toluene-d8	10.547	98	573709	46.775	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.540%			
62) 4-Bromofluorobenzene	12.829	95	205625	47.141	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.280%			
Target Compounds						Qvalue
3) Chloromethane	2.389	50	69637	24.277	ug/l	95
5) Bromomethane	2.983	94	16998	9.905	ug/l	89
10) Methyl Iodide	4.577	142	18472	14.554	ug/l #	96
16) Acetone	4.424	43	50618	23.092	ug/l	97
17) Carbon Disulfide	4.700	76	5929	0.760	ug/l #	88
30) Chloroform	7.953	83	18426	2.971	ug/l	87
40) Benzene	8.588	78	12142	0.787	ug/l	97
47) Bromodichloromethane	9.871	83	2163	0.365	ug/l #	70
52) Toluene	10.612	92	10092	1.056	ug/l	85
67) Ethyl Benzene	11.941	91	15321	0.818	ug/l	95
68) m/p-Xylenes	12.047	106	6766	0.985	ug/l	99
69) o-Xylene	12.376	106	7363	1.094	ug/l	96
95) Naphthalene	15.611	128	18706	1.198	ug/l #	92

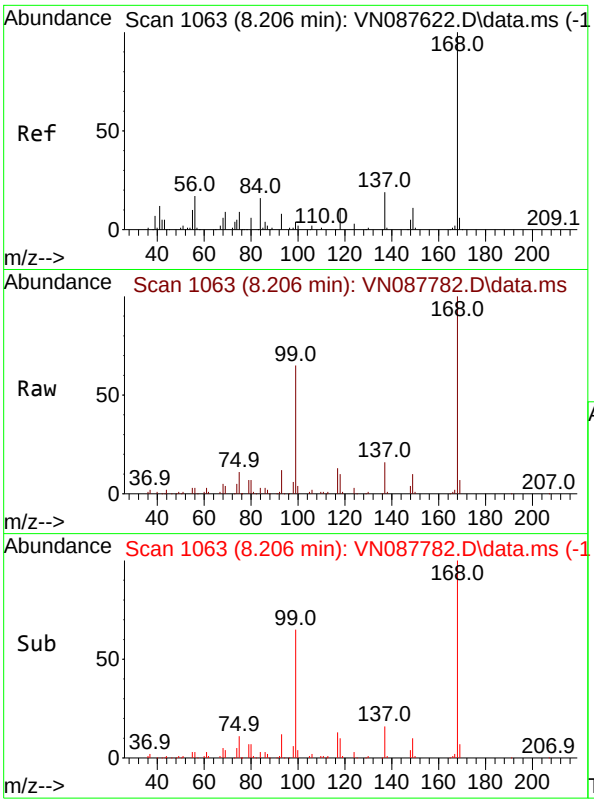
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Time: Sep 11 02:05:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



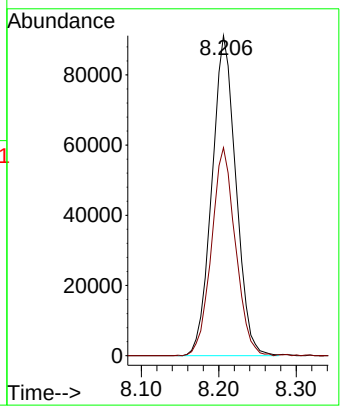


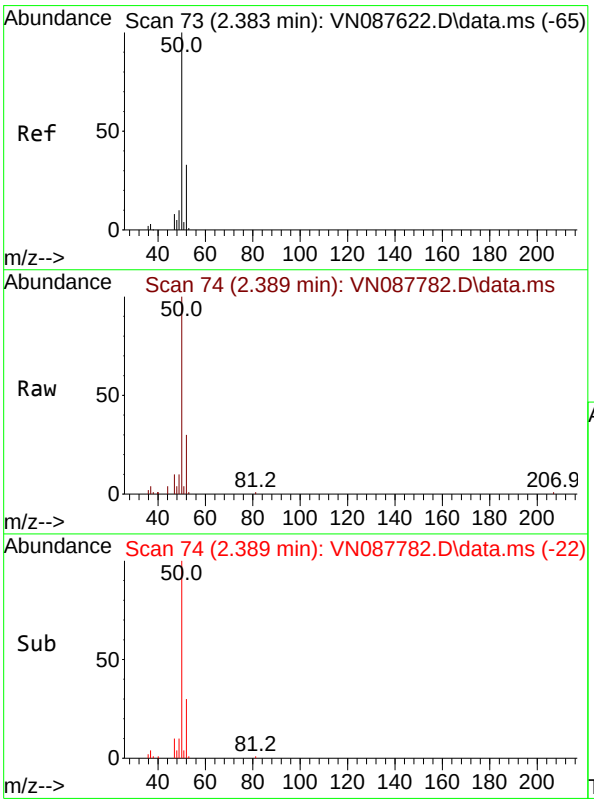
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion:168 Resp: 196528

Ion	Ratio	Lower	Upper
168	100		
99	64.8	57.2	85.8

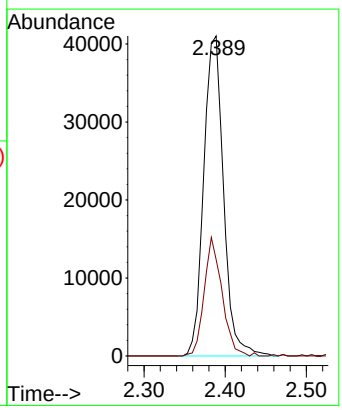


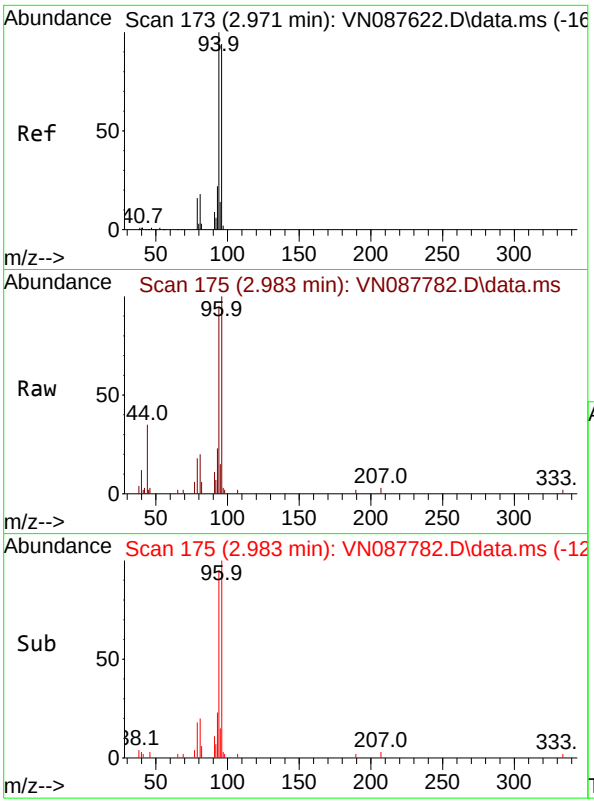


#3
Chloromethane
Concen: 24.277 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 50 Resp: 69637

Ion	Ratio	Lower	Upper
50	100		
52	30.2	26.2	39.4



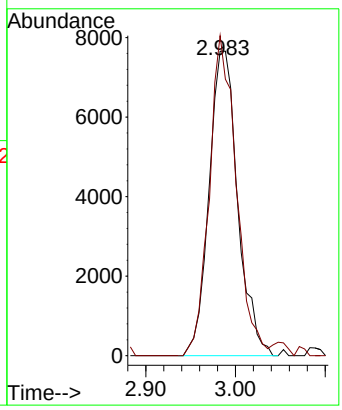


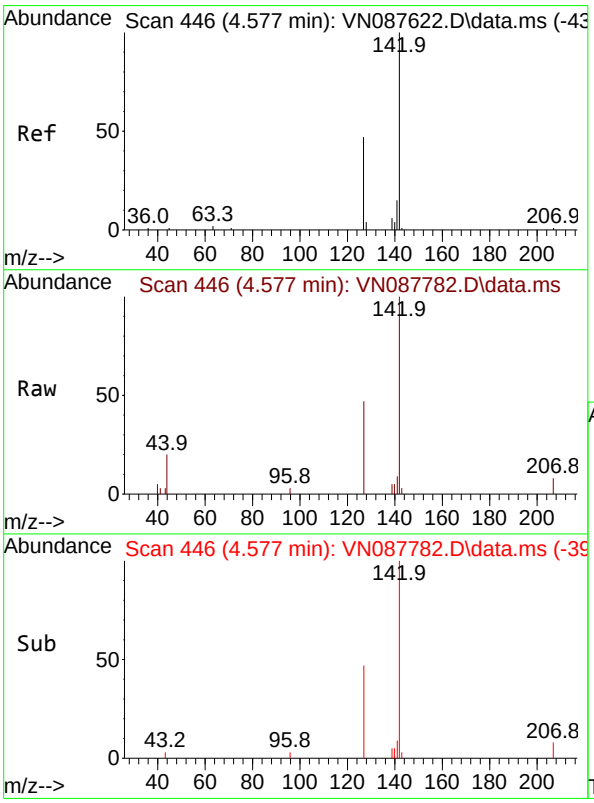
#5
Bromomethane
Concen: 9.905 ug/l
RT: 2.983 min Scan# 1
Delta R.T. 0.012 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 94 Resp: 16998

Ion	Ratio	Lower	Upper
94	100		
96	105.1	75.4	113.2

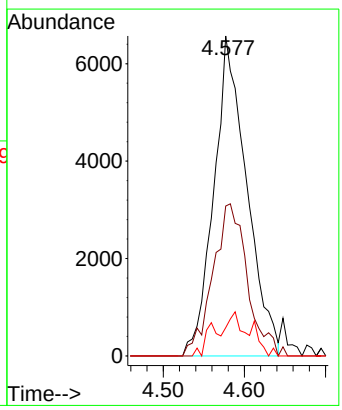


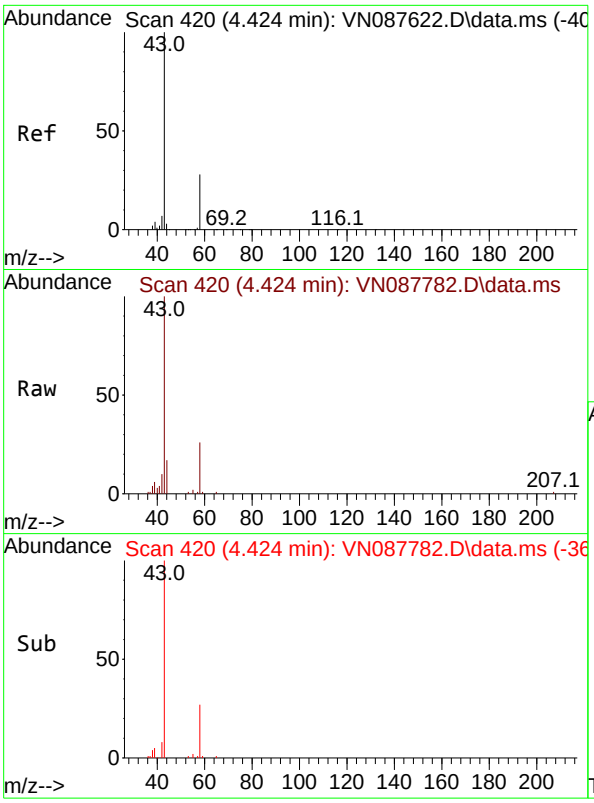


#10
Methyl Iodide
Concen: 14.554 ug/l
RT: 4.577 min Scan# 446
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:142 Resp: 18472

Ion	Ratio	Lower	Upper
142	100		
127	46.8	38.0	57.0
141	8.8	12.0	18.0#



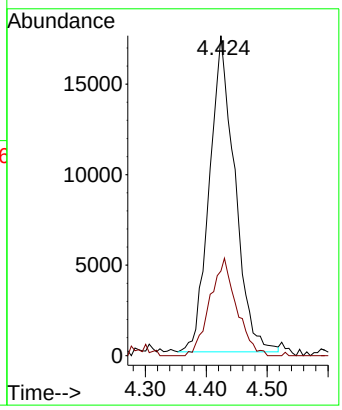


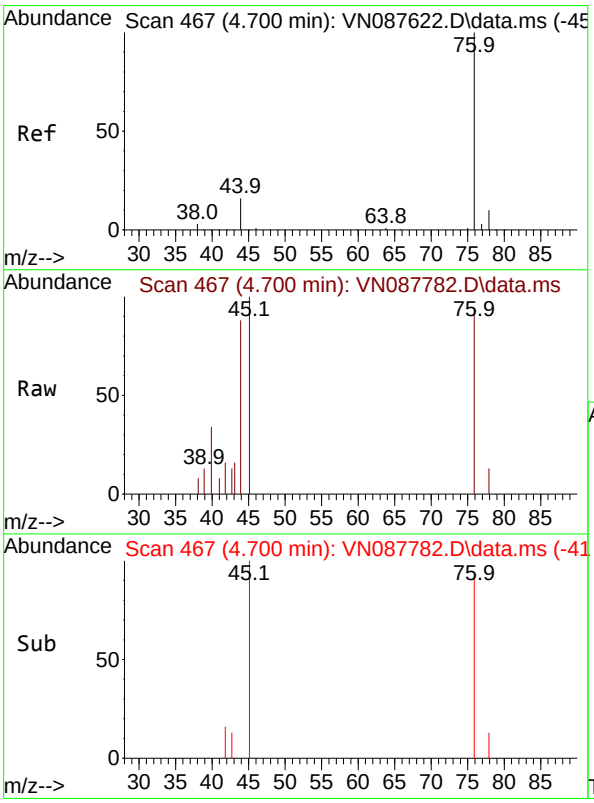
#16
Acetone
Concen: 23.092 ug/l
RT: 4.424 min Scan# 4
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 43 Resp: 50618

Ion	Ratio	Lower	Upper
43	100		
58	26.8	22.6	33.8

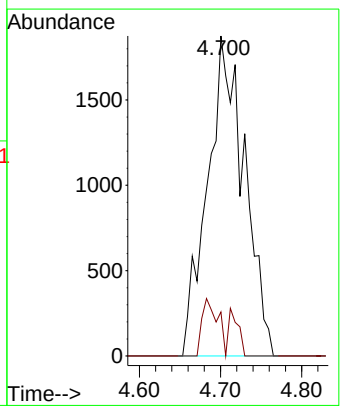


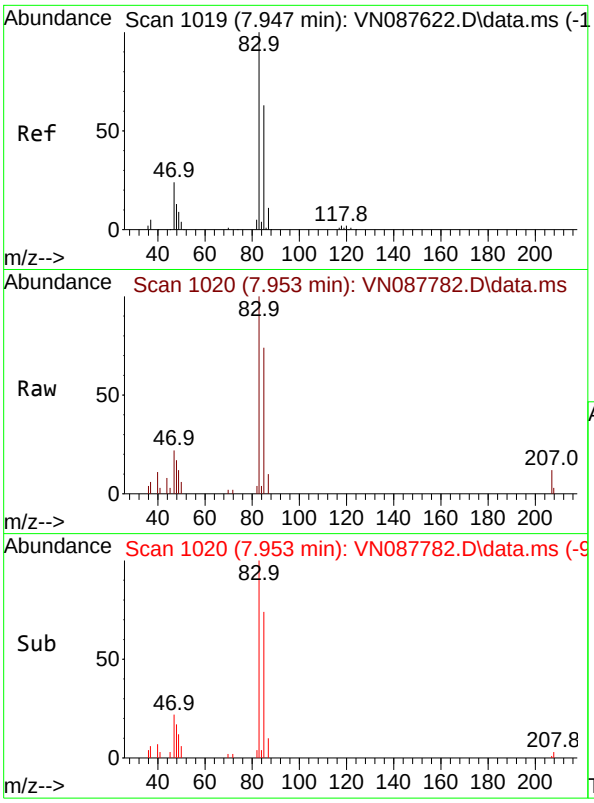


#17
Carbon Disulfide
Concen: 0.760 ug/l
RT: 4.700 min Scan# 467
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 76 Resp: 5929

Ion	Ratio	Lower	Upper
76	100		
78	13.8	7.6	11.4#



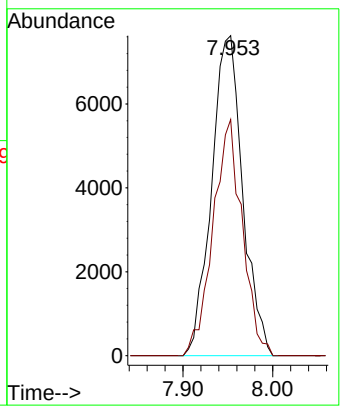


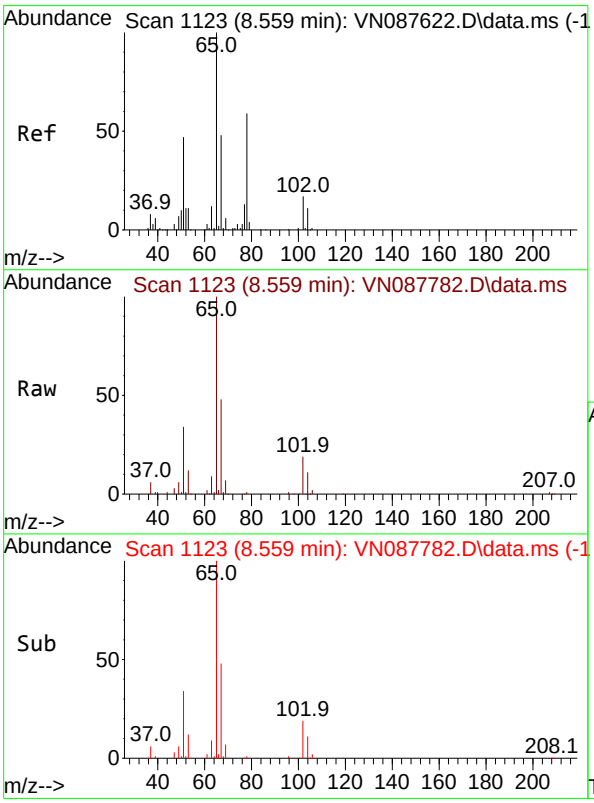
#30
Chloroform
Concen: 2.971 ug/l
RT: 7.953 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 83 Resp: 18426

Ion	Ratio	Lower	Upper
83	100		
85	73.8	50.7	76.1

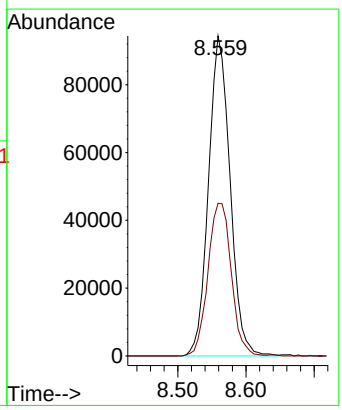


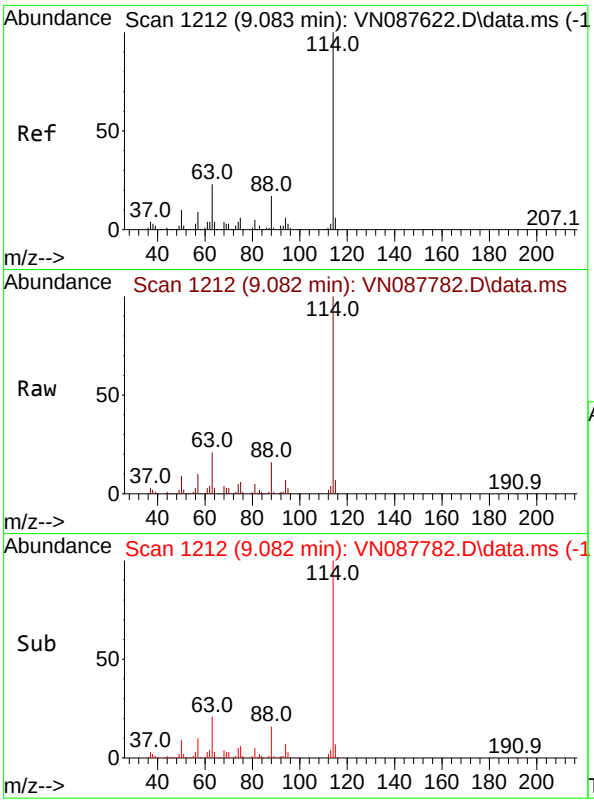


#33
1,2-Dichloroethane-d4
Concen: 51.620 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 65 Resp: 207855

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	100.0



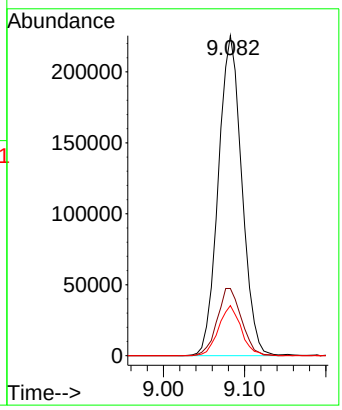


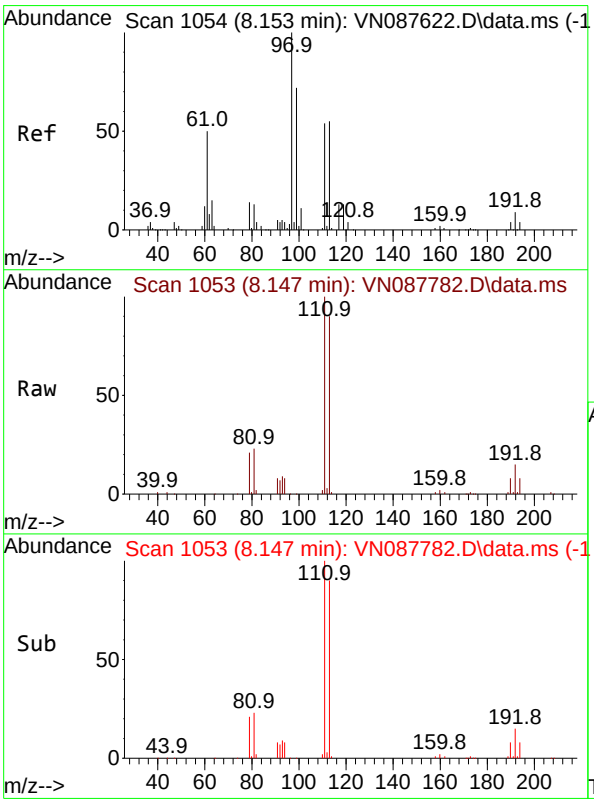
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion:114 Resp: 453885

Ion	Ratio	Lower	Upper
114	100		
63	21.0	0.0	45.2
88	15.7	0.0	33.4

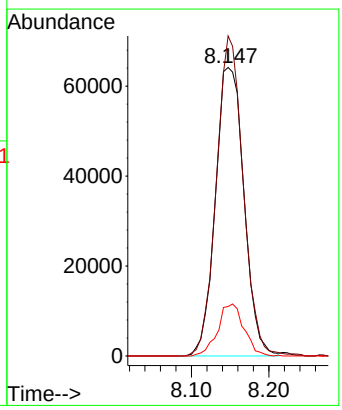


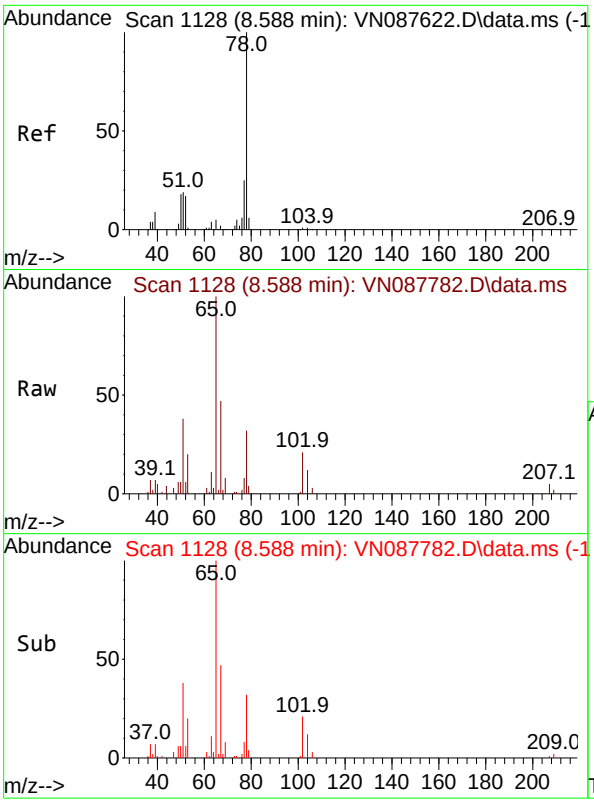


#35
Dibromofluoromethane
Concen: 50.264 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:113 Resp: 164718

Ion	Ratio	Lower	Upper
113	100		
111	103.7	82.8	124.2
192	16.5	12.8	19.2



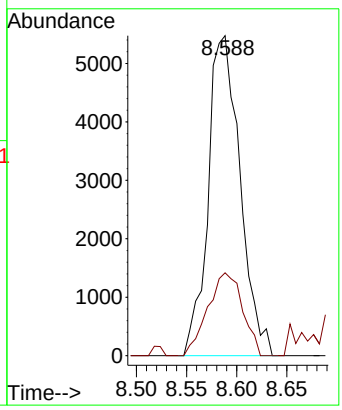


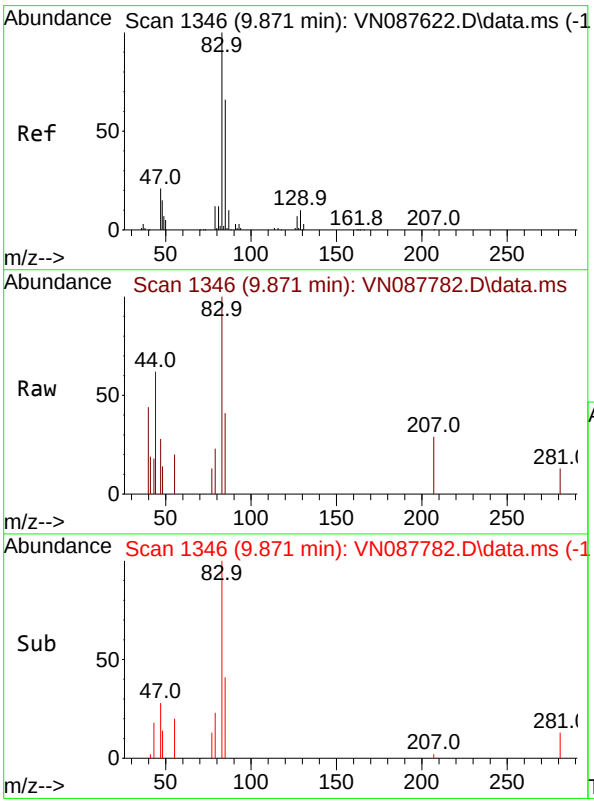
#40
Benzene
Concen: 0.787 ug/l
RT: 8.588 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 78 Resp: 12142

Ion	Ratio	Lower	Upper
78	100		
77	25.9	19.7	29.5

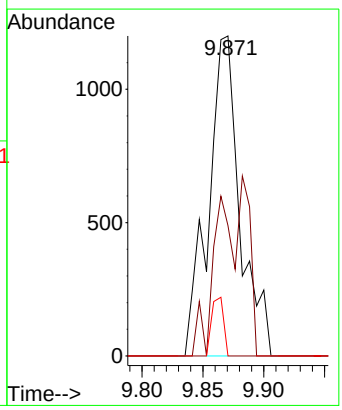


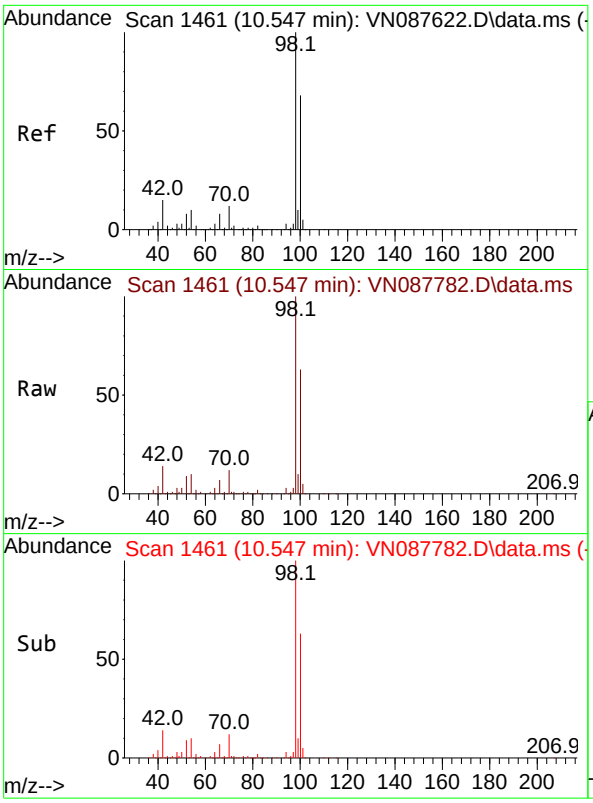


#47
Bromodichloromethane
Concen: 0.365 ug/l
RT: 9.871 min Scan# 1346
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 83 Resp: 2163

Ion	Ratio	Lower	Upper
83	100		
85	40.8	52.5	78.7#
127	0.0	5.8	8.6#



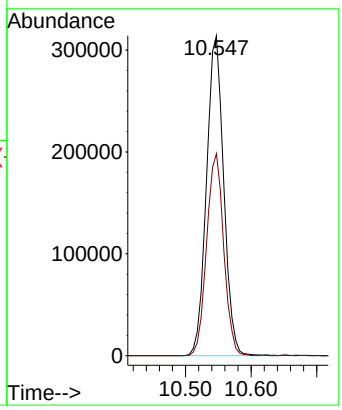


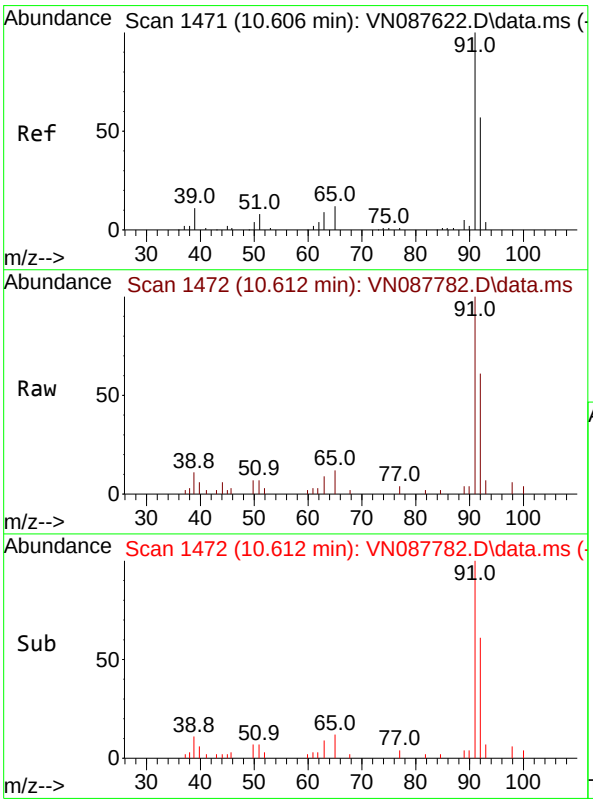
#50
Toluene-d8
Concen: 46.775 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 98 Resp: 573709

Ion	Ratio	Lower	Upper
98	100		
100	62.6	52.8	79.2

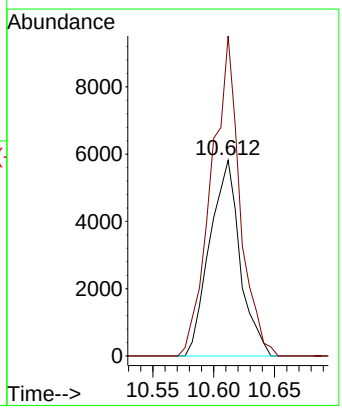


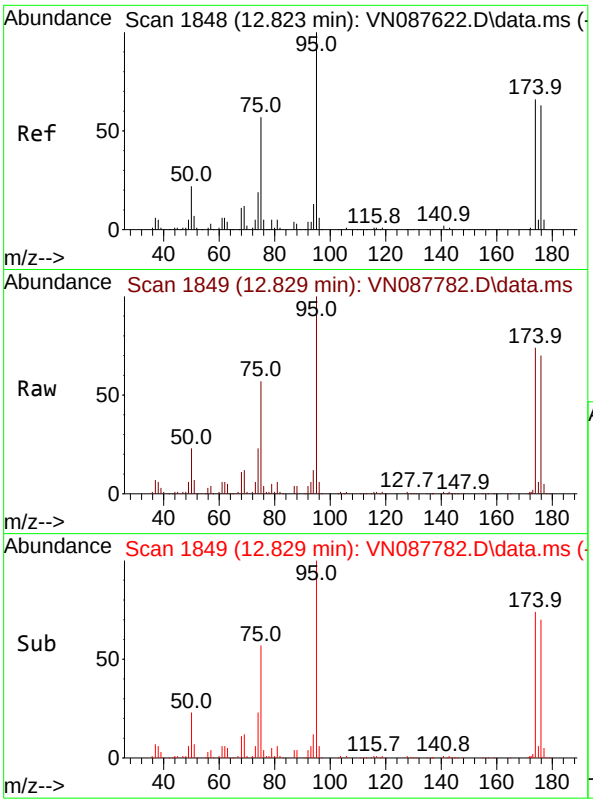


#52
Toluene
Concen: 1.056 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion: 92 Resp: 10092

Ion	Ratio	Lower	Upper
92	100		
91	155.0	140.4	210.6



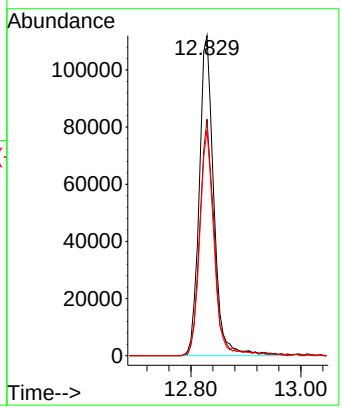


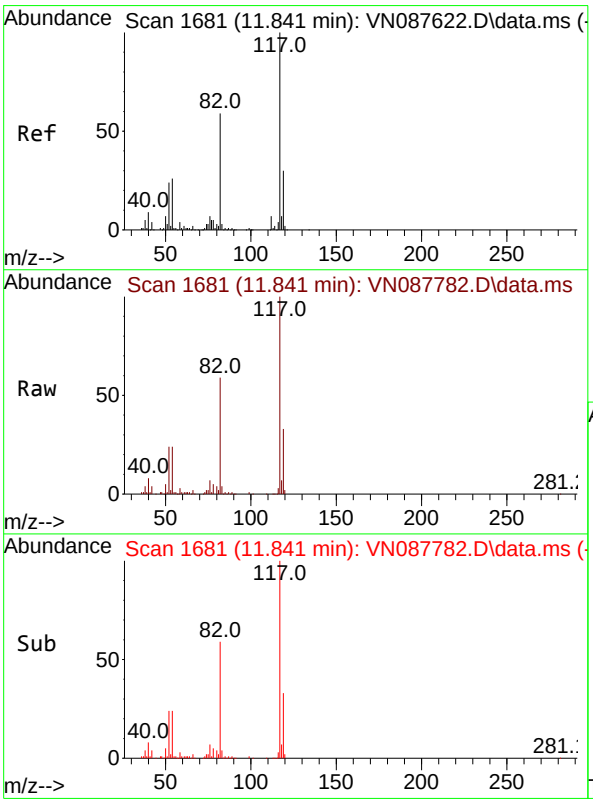
#62
4-Bromofluorobenzene
Concen: 47.141 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 95 Resp: 205625

Ion	Ratio	Lower	Upper
95	100		
174	73.3	0.0	138.4
176	69.8	0.0	132.6

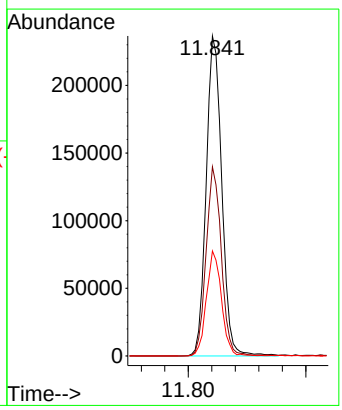


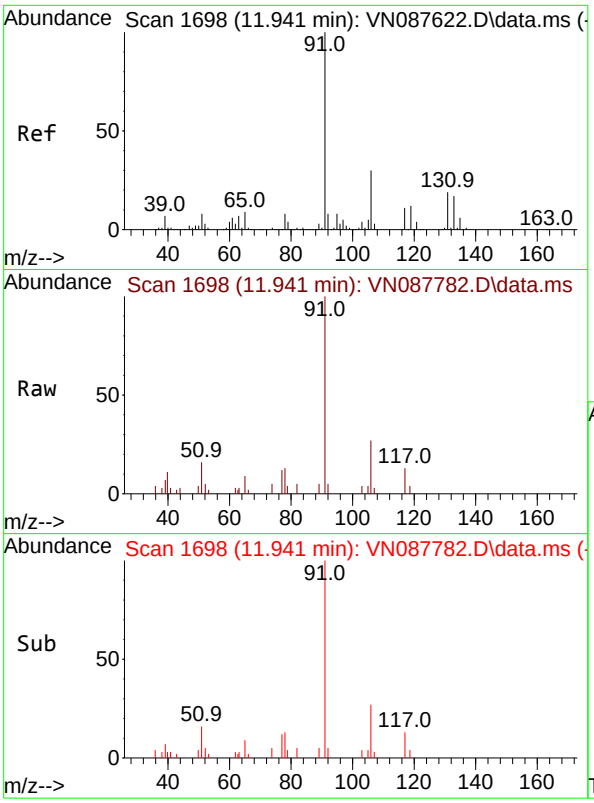


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:117 Resp: 434796

Ion	Ratio	Lower	Upper
117	100		
82	59.1	47.4	71.2
119	32.8	24.3	36.5



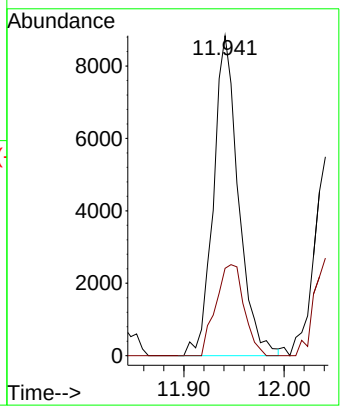


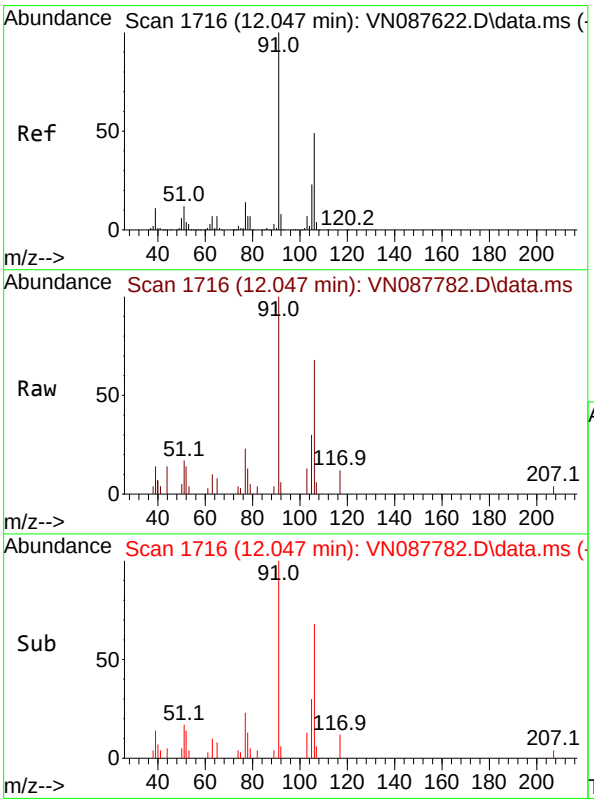
#67
Ethyl Benzene
Concen: 0.818 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion: 91 Resp: 15321

Ion	Ratio	Lower	Upper
91	100		
106	27.3	24.1	36.1

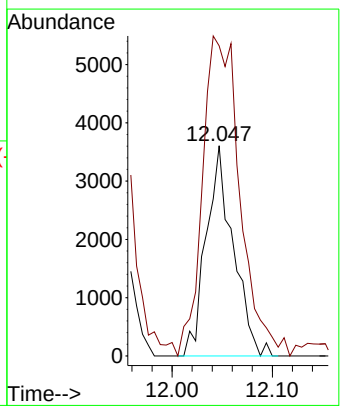


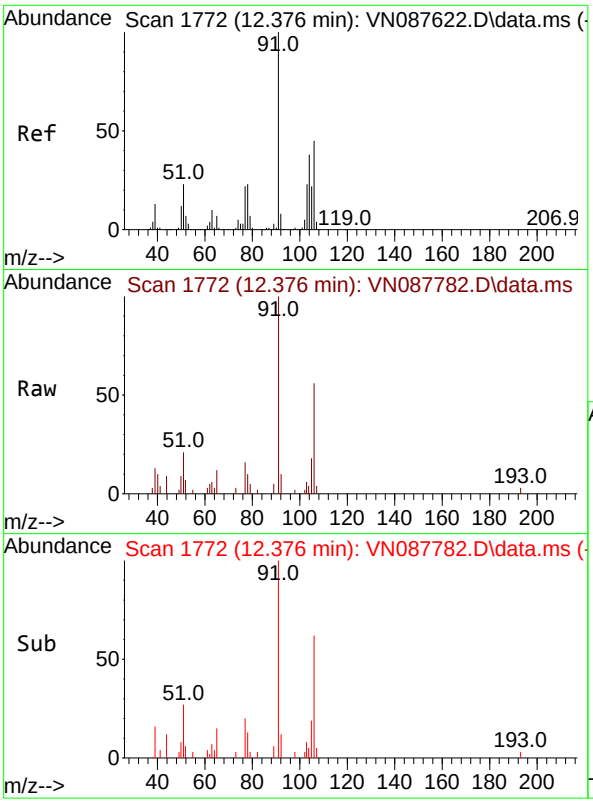


#68
m/p-Xylenes
Concen: 0.985 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:106 Resp: 6766

Ion	Ratio	Lower	Upper
106	100		
91	210.8	169.3	253.9



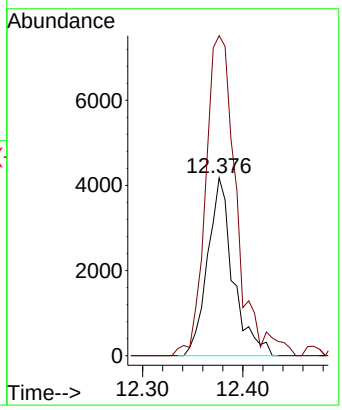


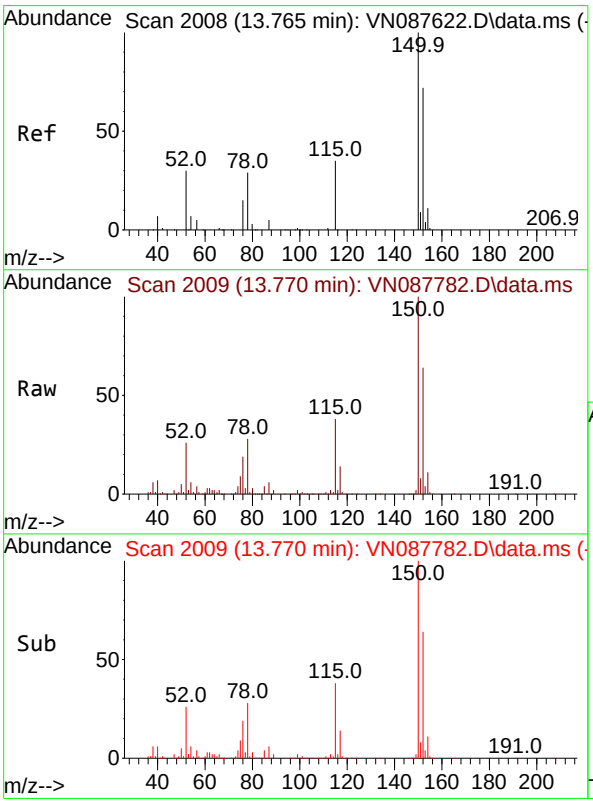
#69
o-Xylene
Concen: 1.094 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion:106 Resp: 7363

Ion	Ratio	Lower	Upper
106	100		
91	216.7	111.4	334.2

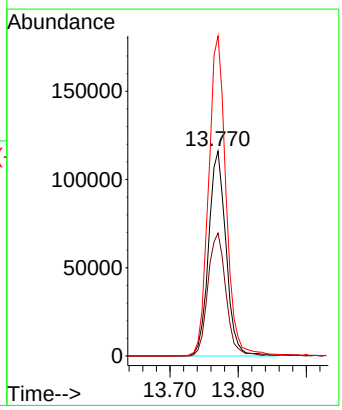


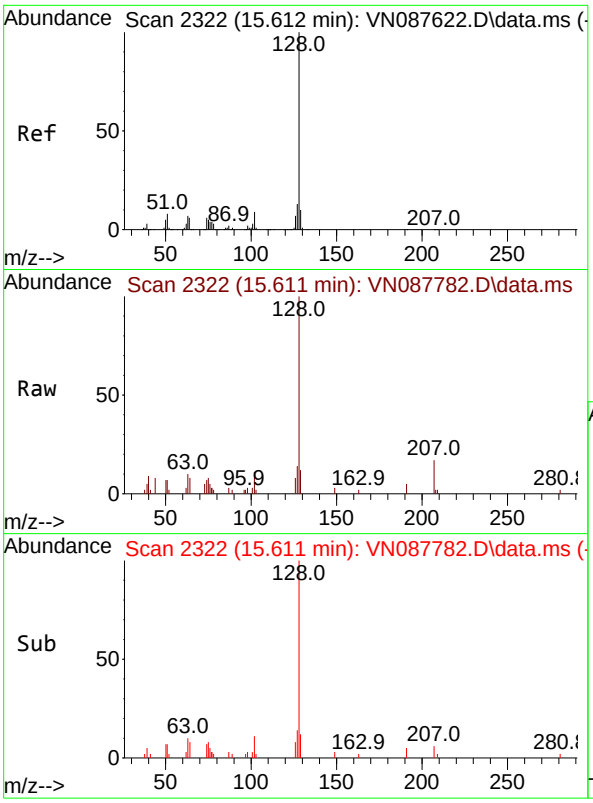


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Tgt Ion:152 Resp: 206220

Ion	Ratio	Lower	Upper
152	100		
115	61.9	32.3	96.8
150	157.2	0.0	351.0



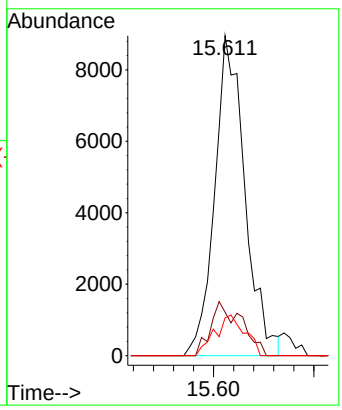


#95
Naphthalene
Concen: 1.198 ug/l
RT: 15.611 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087782.D
Acq: 10 Sep 2025 15:47

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion:128 Resp: 18706

Ion	Ratio	Lower	Upper
128	100		
127	17.3	10.6	15.8#
129	12.7	8.6	12.8



Sample Results: **VN087782.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087782.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.383	67	73	84	rVB	67977	117052	7.46%	1.315%
2	2.983	169	175	183	rBV2	25594	55171	3.51%	0.620%
3	4.424	410	420	429	rBV2	25812	76083	4.85%	0.854%
4	4.577	438	446	457	rVB2	11021	32540	2.07%	0.365%
5	7.953	1012	1020	1030	rVB2	21198	51995	3.31%	0.584%
6	8.147	1044	1053	1058	rBV2	227605	558173	35.56%	6.269%
7	8.206	1058	1063	1074	rVB2	299647	660529	42.08%	7.418%
8	8.559	1113	1123	1134	rBV	255118	610124	38.87%	6.852%
9	9.082	1203	1212	1223	rBV	549472	1118036	71.22%	12.557%
10	10.547	1450	1461	1468	rBV	861017	1569828	100.00%	17.631%
11	10.612	1468	1472	1478	rVB	24161	42762	2.72%	0.480%
12	11.841	1672	1681	1693	rBV	772412	1416933	90.26%	15.914%
13	11.941	1693	1698	1704	rVV2	23311	46928	2.99%	0.527%
14	12.047	1708	1716	1723	rVB4	19154	43171	2.75%	0.485%
15	12.376	1766	1772	1781	rBV4	24950	47870	3.05%	0.538%
16	12.829	1839	1849	1861	rBV	582221	1050009	66.89%	11.793%
17	13.770	2001	2009	2023	rBV	756859	1364026	86.89%	15.319%
18	15.611	2317	2322	2330	rBV2	19947	42677	2.72%	0.479%

Sum of corrected areas: 8903907

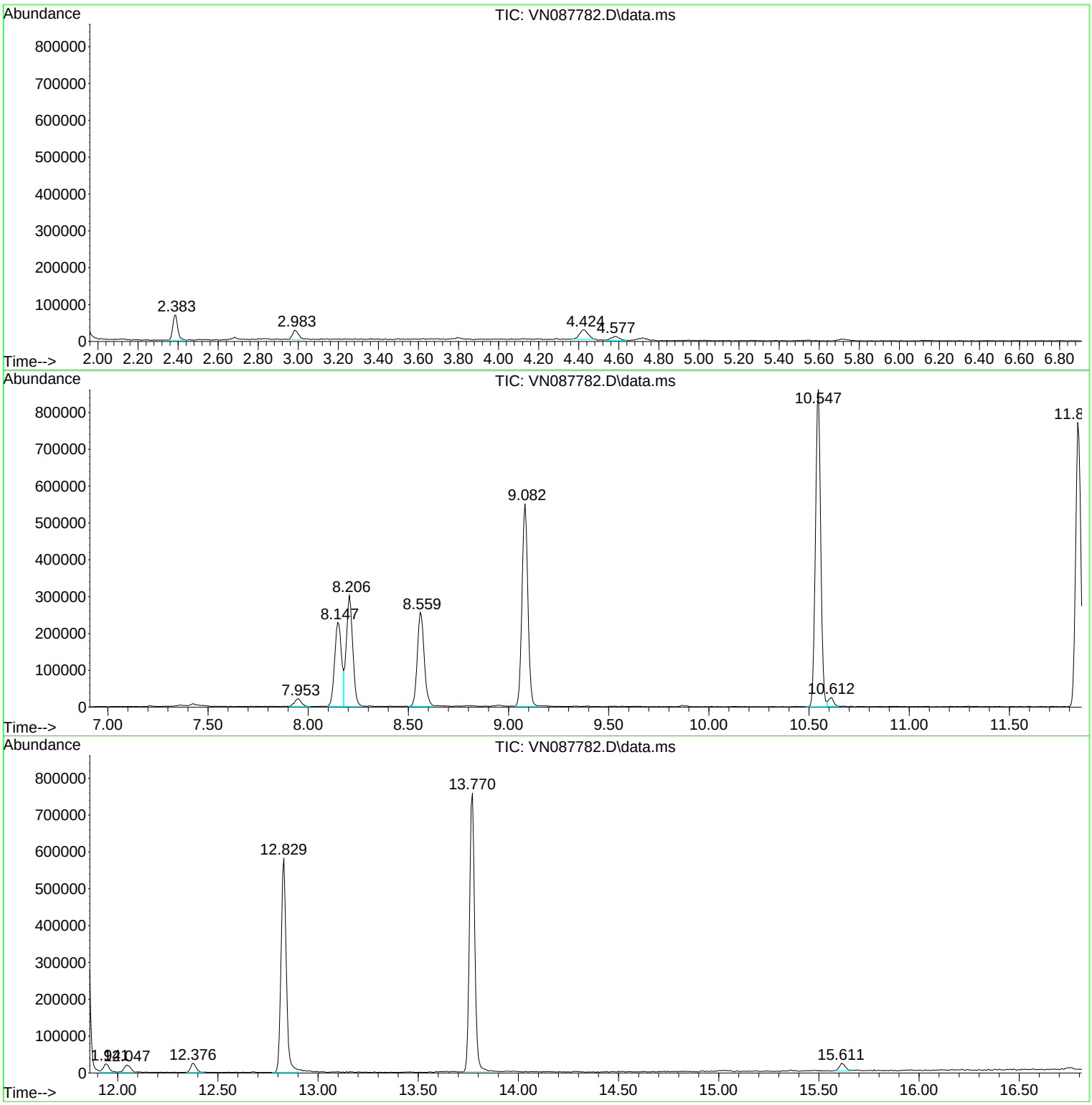
Sample Results: **VN087782.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087782.D
Acq On : 10 Sep 2025 15:47
Operator : JC\MD
Sample : Q3058-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Time: Sep 11 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

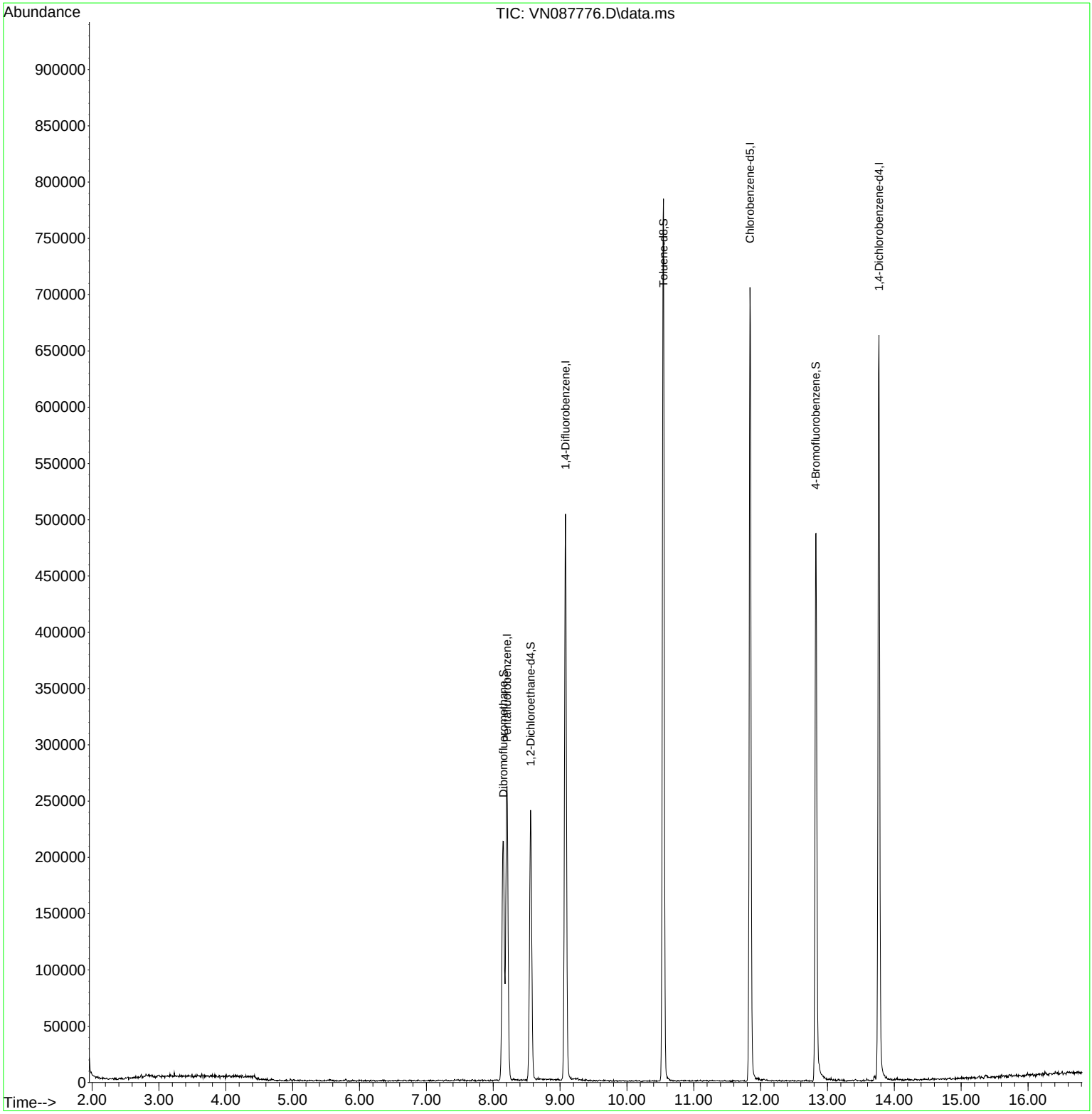
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	177881	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	413161	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	392580	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	179388	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	200486	55.009	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.020%			
35) Dibromofluoromethane	8.153	113	155658	52.181	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.360%			
50) Toluene-d8	10.547	98	534676	47.889	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 95.780%			
62) 4-Bromofluorobenzene	12.823	95	175489	44.197	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 88.400%			
Target Compounds						Qvalue

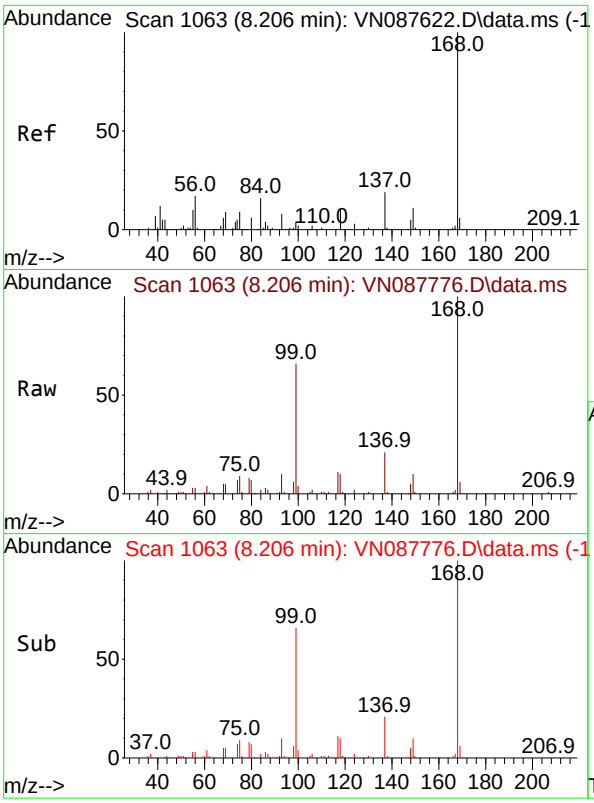
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Time: Sep 11 02:01:55 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration



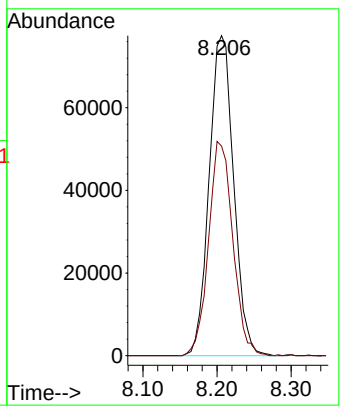


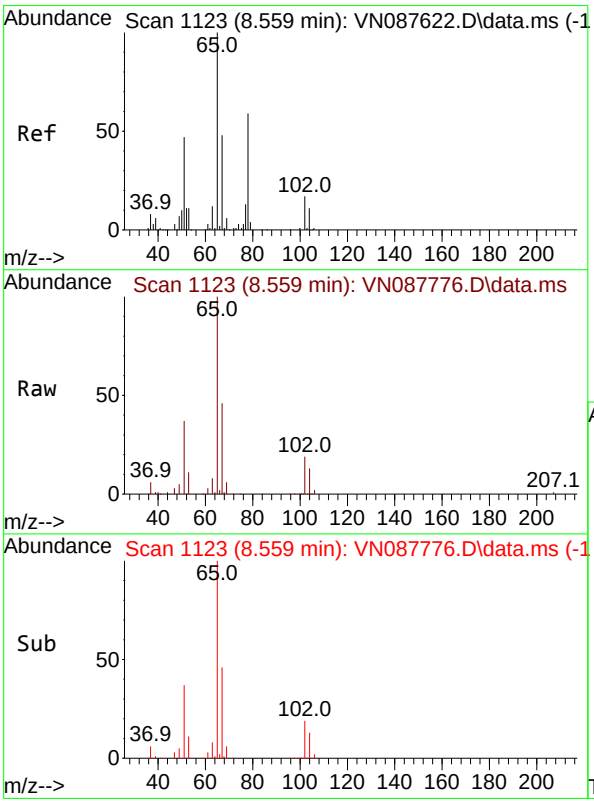
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Tgt Ion:168 Resp: 177881

Ion	Ratio	Lower	Upper
168	100		
99	65.5	57.2	85.8

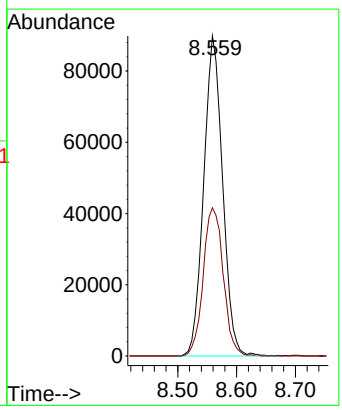


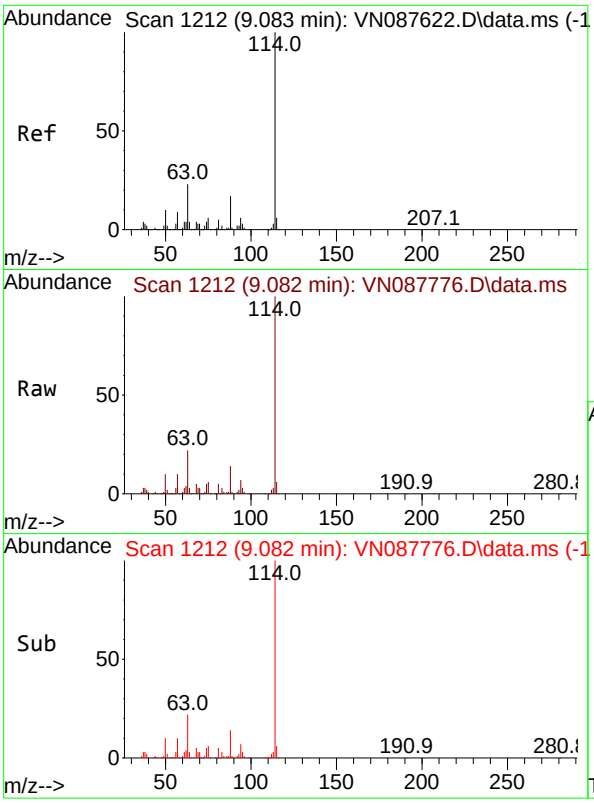


#33
1,2-Dichloroethane-d4
Concen: 55.009 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion: 65 Resp: 200486

Ion	Ratio	Lower	Upper
65	100		
67	49.1	0.0	100.0



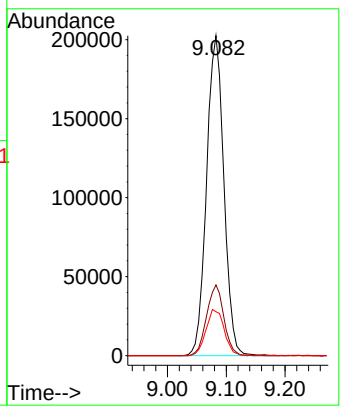


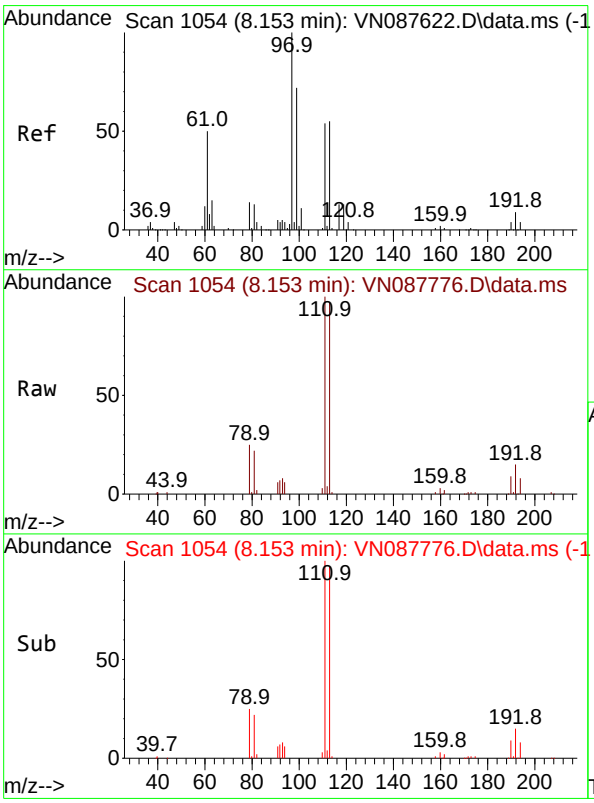
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Tgt Ion:114 Resp: 413161

Ion	Ratio	Lower	Upper
114	100		
63	22.1	0.0	45.2
88	13.8	0.0	33.4

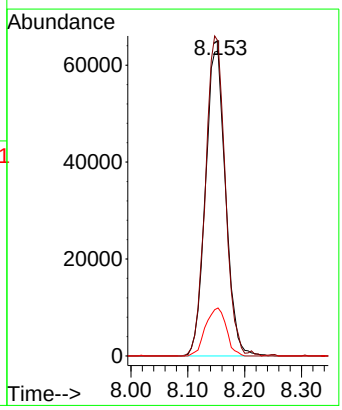


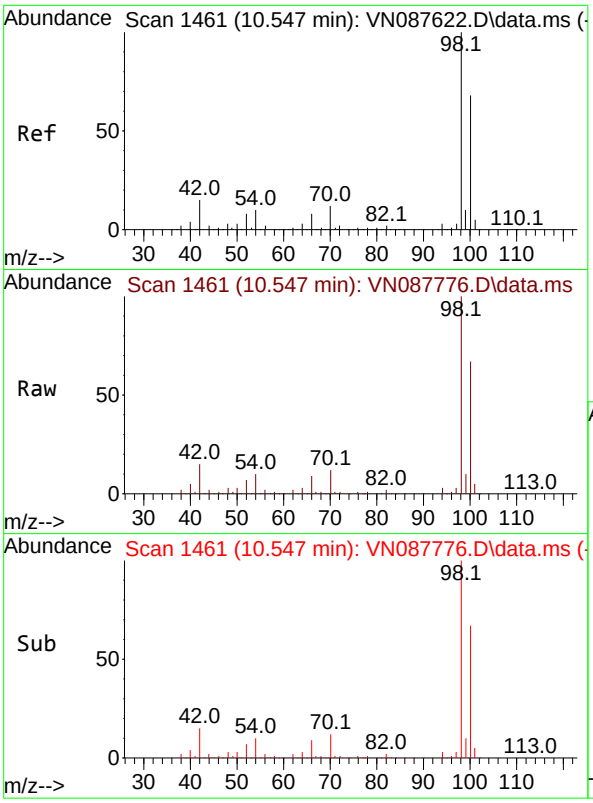


#35
Dibromofluoromethane
Concen: 52.181 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion:113 Resp: 155658

Ion	Ratio	Lower	Upper
113	100		
111	102.0	82.8	124.2
192	16.2	12.8	19.2



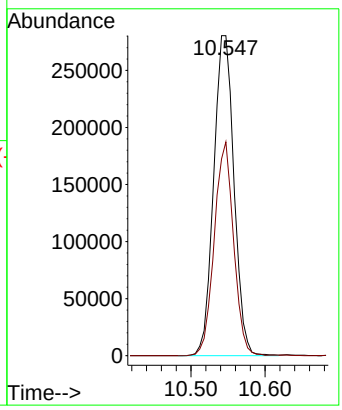


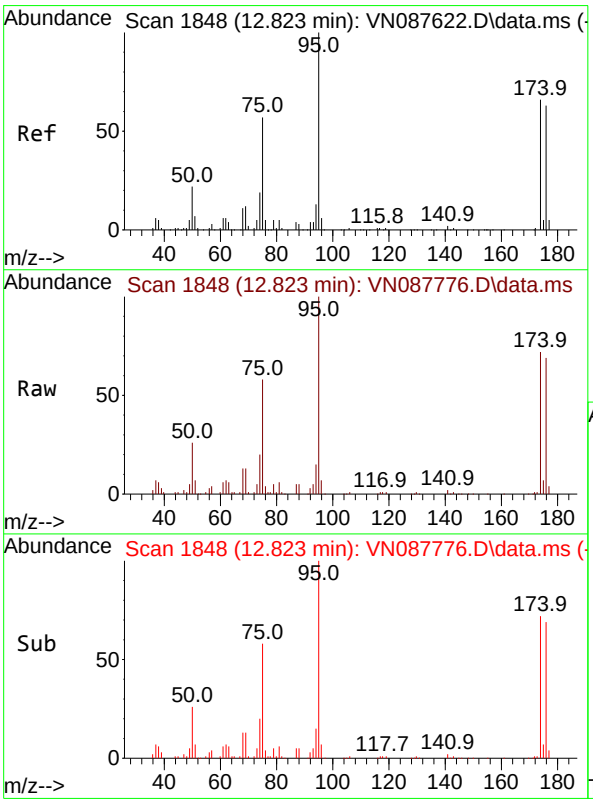
#50
Toluene-d8
Concen: 47.889 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Tgt Ion: 98 Resp: 534676

Ion	Ratio	Lower	Upper
98	100		
100	63.5	52.8	79.2

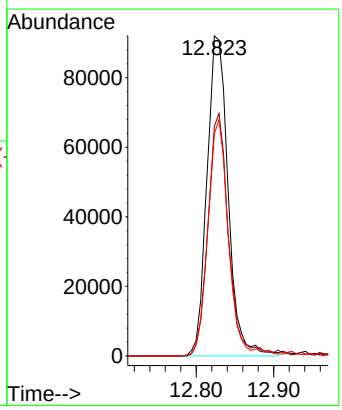


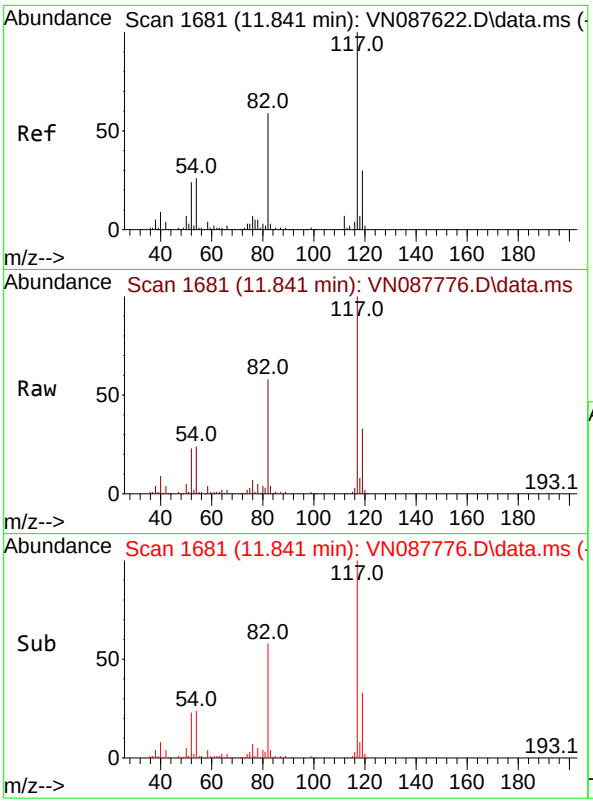


#62
4-Bromofluorobenzene
Concen: 44.197 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion: 95 Resp: 175489

Ion	Ratio	Lower	Upper
95	100		
174	73.1	0.0	138.4
176	70.1	0.0	132.6



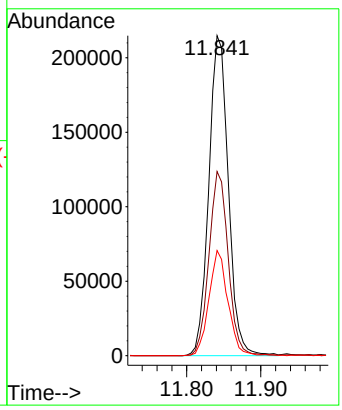


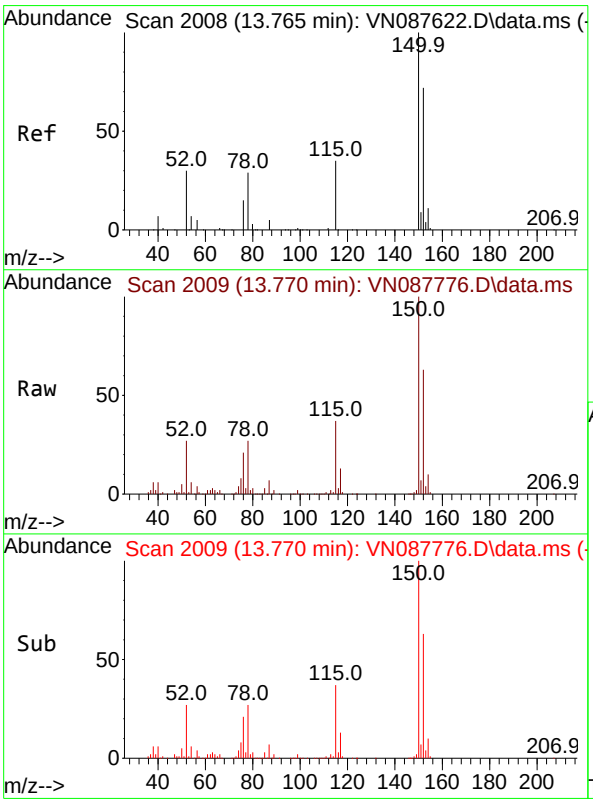
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Tgt Ion:117 Resp: 392580

Ion	Ratio	Lower	Upper
117	100		
82	57.6	47.4	71.2
119	32.8	24.3	36.5

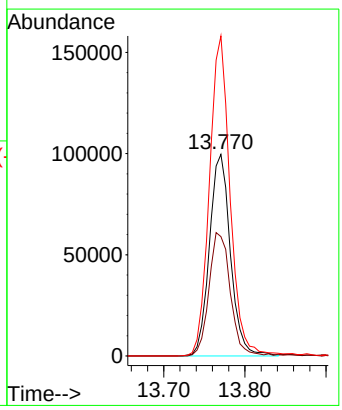




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087776.D
Acq: 10 Sep 2025 12:46

Tgt Ion:152 Resp: 179388

Ion	Ratio	Lower	Upper
152	100		
115	62.6	32.3	96.8
150	156.4	0.0	351.0



Sample Results: **VN087776.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

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

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

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Title : SW846 8260

Signal : TIC: VN087776.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	8.147	1044	1053	1058	rBV2	211778	527773	35.76%	6.930%
2	8.206	1058	1063	1074	rVB	260328	594890	40.31%	7.811%
3	8.559	1114	1123	1138	rBV	240530	554261	37.56%	7.278%
4	9.082	1201	1212	1225	rBV	503228	1046443	70.91%	13.741%
5	10.547	1452	1461	1472	rBV	783829	1475718	100.00%	19.378%
6	11.841	1673	1681	1695	rBV	705296	1290176	87.43%	16.941%
7	12.829	1840	1849	1867	rBV	487126	937673	63.54%	12.313%
8	13.770	2001	2009	2022	rBV	661104	1188668	80.55%	15.608%

Sum of corrected areas: 7615602

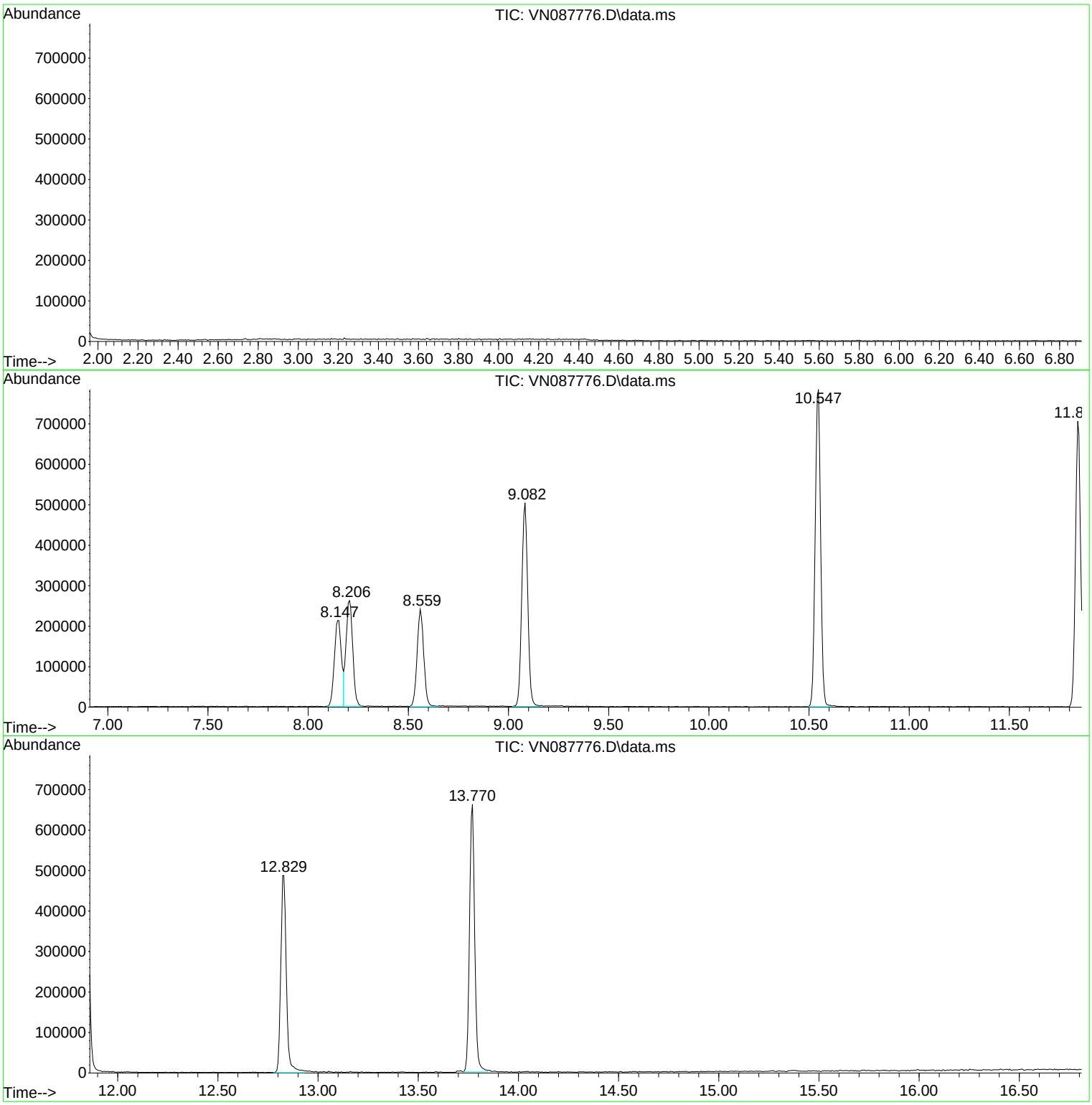
Sample Results: **VN087776.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087776.D
Acq On : 10 Sep 2025 12:46
Operator : JC\MD
Sample : VN0910WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	247948	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	481179	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	443678	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	236791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	234962	46.251	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 92.500%			
35) Dibromofluoromethane	8.147	113	170515	49.082	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.160%			
50) Toluene-d8	10.547	98	598958	46.063	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.120%			
62) 4-Bromofluorobenzene	12.829	95	217795	47.098	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.200%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	66905	18.999	ug/l	99
3) Chloromethane	2.383	50	72113	19.926	ug/l	95
4) Vinyl Chloride	2.542	62	82564	19.676	ug/l	98
5) Bromomethane	2.983	94	45461	20.997	ug/l	91
6) Chloroethane	3.142	64	57277	19.421	ug/l	97
7) Trichlorofluoromethane	3.512	101	124353	20.227	ug/l	90
8) Diethyl Ether	3.965	74	54751	20.449	ug/l	99
9) 1,1,2-Trichlorotrifluo...	4.365	101	68198	19.605	ug/l	96
10) Methyl Iodide	4.583	142	42240	20.845	ug/l	98
11) Tert butyl alcohol	5.518	59	88895	100.795	ug/l	97
12) 1,1-Dichloroethene	4.342	96	69558	19.458	ug/l	88
13) Acrolein	4.177	56	83930	77.410	ug/l	94
14) Allyl chloride	5.006	41	115073	17.763	ug/l	97
15) Acrylonitrile	5.706	53	249028	100.121	ug/l	99
16) Acetone	4.424	43	268456	97.074	ug/l	98
17) Carbon Disulfide	4.700	76	172758	17.554	ug/l	100
18) Methyl Acetate	5.018	43	137712	23.783	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	263760	19.668	ug/l	97
20) Methylene Chloride	5.271	84	82792	19.952	ug/l	97
21) trans-1,2-Dichloroethene	5.771	96	73778	19.043	ug/l	98
22) Diisopropyl ether	6.653	45	282609	20.216	ug/l	97
23) Vinyl Acetate	6.589	43	1234043	97.027	ug/l	98
24) 1,1-Dichloroethane	6.553	63	155898	20.339	ug/l	98
25) 2-Butanone	7.465	43	354230	97.360	ug/l	100
26) 2,2-Dichloropropane	7.471	77	127484	19.379	ug/l	99
27) cis-1,2-Dichloroethene	7.465	96	91844	19.830	ug/l	99
28) Bromochloromethane	7.794	49	68600	18.513	ug/l	98
29) Tetrahydrofuran	7.824	42	228318	97.510	ug/l	100
30) Chloroform	7.947	83	162362	20.753	ug/l	99
31) Cyclohexane	8.236	56	114288	17.886	ug/l	99
32) 1,1,1-Trichloroethane	8.147	97	133678	20.162	ug/l	93
36) 1,1-Dichloropropene	8.359	75	98694	18.518	ug/l	99
37) Ethyl Acetate	7.547	43	144354	19.821	ug/l	99
38) Carbon Tetrachloride	8.341	117	107894	20.504	ug/l	100
39) Methylcyclohexane	9.582	83	102544	17.476	ug/l	97
40) Benzene	8.588	78	323696	19.802	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	77810	20.625	ug/l		96
42) 1,2-Dichloroethane	8.647	62	127177	20.245	ug/l		99
43) Isopropyl Acetate	8.671	43	231457	20.356	ug/l		100
44) Trichloroethene	9.335	130	74553	19.976	ug/l		87
45) 1,2-Dichloropropane	9.594	63	85809	19.914	ug/l		98
46) Dibromomethane	9.688	93	64080	20.898	ug/l		97
47) Bromodichloromethane	9.865	83	133142	21.187	ug/l		97
48) Methyl methacrylate	9.659	41	105144	19.550	ug/l		99
49) 1,4-Dioxane	9.677	88	31057	445.513	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	727298	106.015	ug/l		100
52) Toluene	10.606	92	203676	20.098	ug/l		98
53) t-1,3-Dichloropropene	10.818	75	136007	20.909	ug/l		97
54) cis-1,3-Dichloropropene	10.288	75	136995	20.283	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	84642	21.590	ug/l		97
56) Ethyl methacrylate	10.853	69	123475	19.708	ug/l		96
57) 1,3-Dichloropropane	11.141	76	147355	21.238	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	302321	89.152	ug/l		98
59) 2-Hexanone	11.177	43	468254	107.999	ug/l		98
60) Dibromochloromethane	11.341	129	96636	21.274	ug/l		99
61) 1,2-Dibromoethane	11.447	107	86421	20.906	ug/l		100
64) Tetrachloroethene	11.082	164	59854	19.445	ug/l		96
65) Chlorobenzene	11.871	112	224483	20.337	ug/l		96
66) 1,1,1,2-Tetrachloroethane	11.941	131	80324	21.920	ug/l		98
67) Ethyl Benzene	11.941	91	384763	20.133	ug/l		95
68) m/p-Xylenes	12.047	106	282361	40.285	ug/l		98
69) o-Xylene	12.376	106	138993	20.235	ug/l		100
70) Styrene	12.388	104	243299	21.143	ug/l		98
71) Bromoform	12.559	173	65248	23.217	ug/l	#	98
73) Isopropylbenzene	12.676	105	356780	18.646	ug/l		100
74) N-amyl acetate	12.518	43	128873m	17.773	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	132478	20.110	ug/l		100
76) 1,2,3-Trichloropropane	12.970	75	125262m	22.558	ug/l		
77) Bromobenzene	12.959	156	88727	19.667	ug/l		97
78) n-propylbenzene	13.012	91	456054	19.350	ug/l		100
79) 2-Chlorotoluene	13.100	91	272010	19.178	ug/l		99
80) 1,3,5-Trimethylbenzene	13.153	105	307840	18.965	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.718	75	40685	19.397	ug/l		88
82) 4-Chlorotoluene	13.200	91	280156	18.787	ug/l		98
83) tert-Butylbenzene	13.412	119	261058	19.300	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	313317	19.282	ug/l		98
85) sec-Butylbenzene	13.594	105	389426	19.401	ug/l		99
86) p-Isopropyltoluene	13.706	119	324109	19.554	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	178936	20.140	ug/l		96
88) 1,4-Dichlorobenzene	13.788	146	182845	19.776	ug/l		99
89) n-Butylbenzene	14.035	91	310752	18.877	ug/l		99
90) Hexachloroethane	14.306	117	66252	20.980	ug/l		94
91) 1,2-Dichlorobenzene	14.082	146	170771	20.261	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	30727	19.635	ug/l		94
93) 1,2,4-Trichlorobenzene	15.364	180	96639	19.093	ug/l		100
94) Hexachlorobutadiene	15.476	225	38772	21.487	ug/l		97
95) Naphthalene	15.612	128	337020	18.799	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	96427	19.488	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

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

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

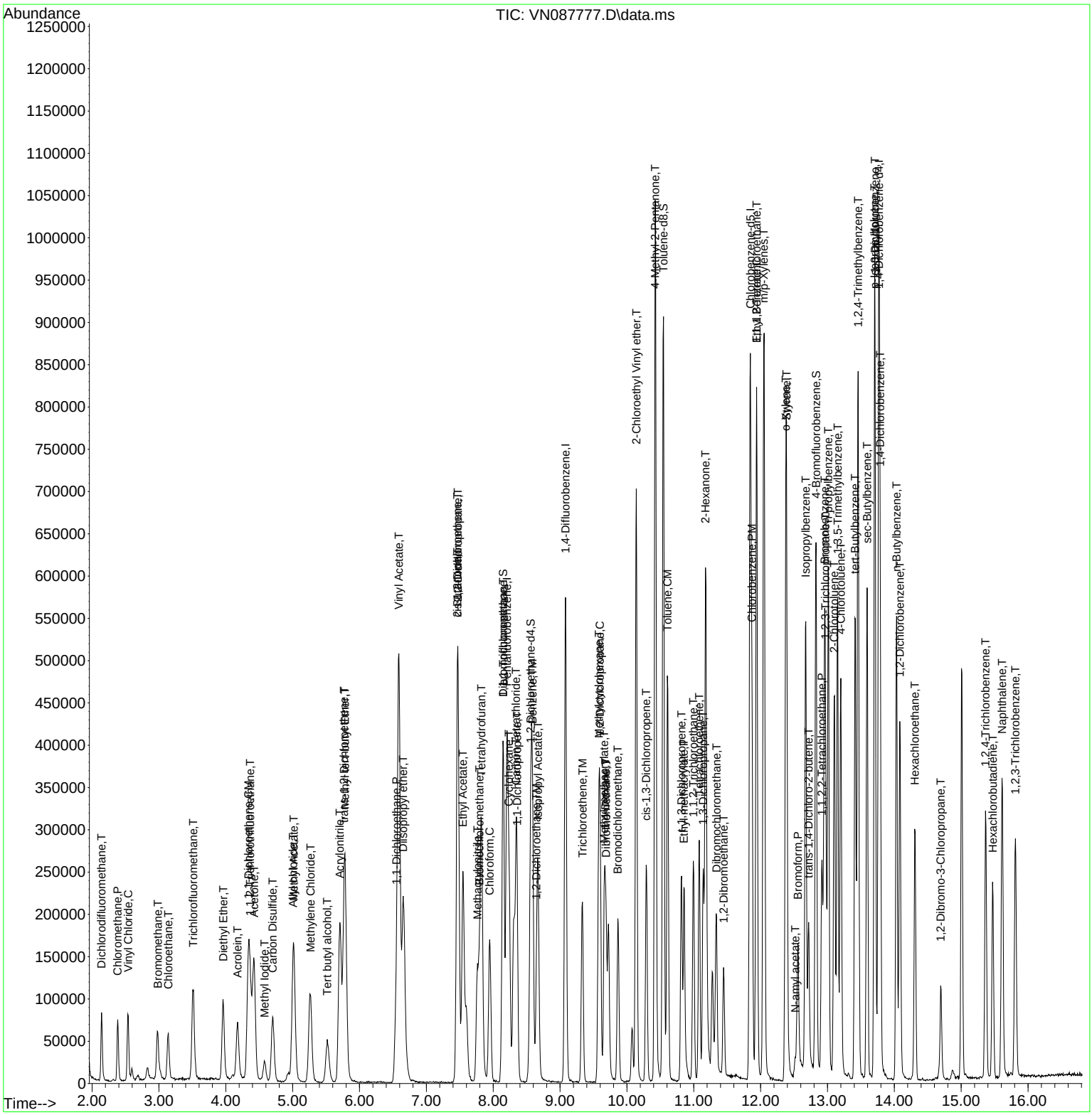
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087777.D
Acq On : 10 Sep 2025 13:29
Operator : JC\MD
Sample : VN0910WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:02:18 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	258583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	480224	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	451507	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	236702	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	238905	45.093	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	90.180%		
35) Dibromofluoromethane	8.147	113	171837	49.561	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	99.120%		
50) Toluene-d8	10.547	98	623165	48.020	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	96.040%		
62) 4-Bromofluorobenzene	12.823	95	216720	46.959	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	93.920%		
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	71486	19.465	ug/l	97
3) Chloromethane	2.383	50	75689	20.054	ug/l	97
4) Vinyl Chloride	2.536	62	82893	18.942	ug/l	96
5) Bromomethane	2.983	94	48062	21.285	ug/l	99
6) Chloroethane	3.142	64	57557	18.713	ug/l	100
7) Trichlorofluoromethane	3.512	101	133185	20.773	ug/l	93
8) Diethyl Ether	3.965	74	55136	19.746	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.365	101	72141	19.885	ug/l	99
10) Methyl Iodide	4.577	142	50321	22.843	ug/l	93
11) Tert butyl alcohol	5.518	59	89083	96.854	ug/l	99
12) 1,1-Dichloroethene	4.336	96	71585	19.201	ug/l	87
13) Acrolein	4.177	56	87390	77.286	ug/l	97
14) Allyl chloride	5.012	41	116475	17.240	ug/l	97
15) Acrylonitrile	5.706	53	259106	99.888	ug/l	98
16) Acetone	4.418	43	269935	93.594	ug/l	98
17) Carbon Disulfide	4.700	76	174184	16.971	ug/l	98
18) Methyl Acetate	5.018	43	143215	23.716	ug/l	95
19) Methyl tert-butyl Ether	5.783	73	268923	19.228	ug/l	98
20) Methylene Chloride	5.265	84	82321	18.963	ug/l	96
21) trans-1,2-Dichloroethene	5.783	96	74353	18.402	ug/l	92
22) Diisopropyl ether	6.659	45	284767	19.532	ug/l	99
23) Vinyl Acetate	6.589	43	1263475	95.256	ug/l	98
24) 1,1-Dichloroethane	6.559	63	151717	18.980	ug/l	99
25) 2-Butanone	7.471	43	366930	96.703	ug/l	99
26) 2,2-Dichloropropane	7.471	77	131518	19.170	ug/l	99
27) cis-1,2-Dichloroethene	7.477	96	92241	19.096	ug/l	98
28) Bromochloromethane	7.794	49	68719	17.782	ug/l	100
29) Tetrahydrofuran	7.830	42	234760	96.138	ug/l	99
30) Chloroform	7.947	83	165649	20.302	ug/l	94
31) Cyclohexane	8.241	56	119732	17.967	ug/l	94
32) 1,1,1-Trichloroethane	8.153	97	136846	19.791	ug/l	97
36) 1,1-Dichloropropene	8.353	75	100769	18.945	ug/l	98
37) Ethyl Acetate	7.547	43	150409	20.693	ug/l	99
38) Carbon Tetrachloride	8.341	117	112680	21.456	ug/l	93
39) Methylcyclohexane	9.583	83	110999	18.954	ug/l	97
40) Benzene	8.588	78	332807	20.399	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	82456	21.900	ug/l		95
42) 1,2-Dichloroethane	8.653	62	129154	20.601	ug/l		98
43) Isopropyl Acetate	8.677	43	235768	20.776	ug/l		99
44) Trichloroethene	9.330	130	76012	20.407	ug/l		98
45) 1,2-Dichloropropane	9.600	63	85499	19.882	ug/l		98
46) Dibromomethane	9.683	93	64916	21.213	ug/l		98
47) Bromodichloromethane	9.871	83	134925	21.513	ug/l		94
48) Methyl methacrylate	9.665	41	109874	20.470	ug/l		97
49) 1,4-Dioxane	9.671	88	28068	403.436	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.424	43	744444	108.730	ug/l		100
52) Toluene	10.606	92	206022	20.370	ug/l		99
53) t-1,3-Dichloropropene	10.812	75	138171	21.284	ug/l		98
54) cis-1,3-Dichloropropene	10.288	75	141735	21.027	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	86280	22.052	ug/l		96
56) Ethyl methacrylate	10.859	69	130062	20.801	ug/l		97
57) 1,3-Dichloropropane	11.141	76	146172	21.110	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	308927	91.281	ug/l		99
59) 2-Hexanone	11.177	43	481127	111.189	ug/l		98
60) Dibromochloromethane	11.335	129	98766	21.786	ug/l		100
61) 1,2-Dibromoethane	11.447	107	89587	21.715	ug/l		97
64) Tetrachloroethene	11.082	164	61912	19.764	ug/l		94
65) Chlorobenzene	11.871	112	231898	20.645	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.935	131	82123	22.022	ug/l		97
67) Ethyl Benzene	11.941	91	393494	20.232	ug/l		100
68) m/p-Xylenes	12.047	106	299338	41.967	ug/l		95
69) o-Xylene	12.376	106	136754	19.564	ug/l		99
70) Styrene	12.388	104	245673	20.979	ug/l		98
71) Bromoform	12.553	173	64901	22.693	ug/l	#	98
73) Isopropylbenzene	12.671	105	367905	19.235	ug/l		100
74) N-amyl acetate	12.541	43	124884m	17.229	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	140037	21.265	ug/l		100
76) 1,2,3-Trichloropropane	12.971	75	120754m	21.754	ug/l		
77) Bromobenzene	12.959	156	90349	20.034	ug/l		98
78) n-propylbenzene	13.012	91	460998	19.567	ug/l		99
79) 2-Chlorotoluene	13.100	91	274914	19.390	ug/l		100
80) 1,3,5-Trimethylbenzene	13.147	105	316481	19.505	ug/l		97
81) trans-1,4-Dichloro-2-b...	12.718	75	40528	19.329	ug/l		90
82) 4-Chlorotoluene	13.200	91	292510	19.623	ug/l		98
83) tert-Butylbenzene	13.412	119	270855	20.032	ug/l		99
84) 1,2,4-Trimethylbenzene	13.459	105	317922	19.573	ug/l		99
85) sec-Butylbenzene	13.594	105	410735	20.470	ug/l		100
86) p-Isopropyltoluene	13.706	119	337508	20.370	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	175185	19.726	ug/l		99
88) 1,4-Dichlorobenzene	13.788	146	183301	19.833	ug/l		99
89) n-Butylbenzene	14.035	91	328447	19.960	ug/l		98
90) Hexachloroethane	14.312	117	69127	21.899	ug/l		98
91) 1,2-Dichlorobenzene	14.082	146	170592	20.247	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	31540	20.162	ug/l		97
93) 1,2,4-Trichlorobenzene	15.365	180	99886	19.742	ug/l		99
94) Hexachlorobutadiene	15.470	225	40181	22.276	ug/l		98
95) Naphthalene	15.612	128	344659	19.232	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	98128	19.839	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025

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

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

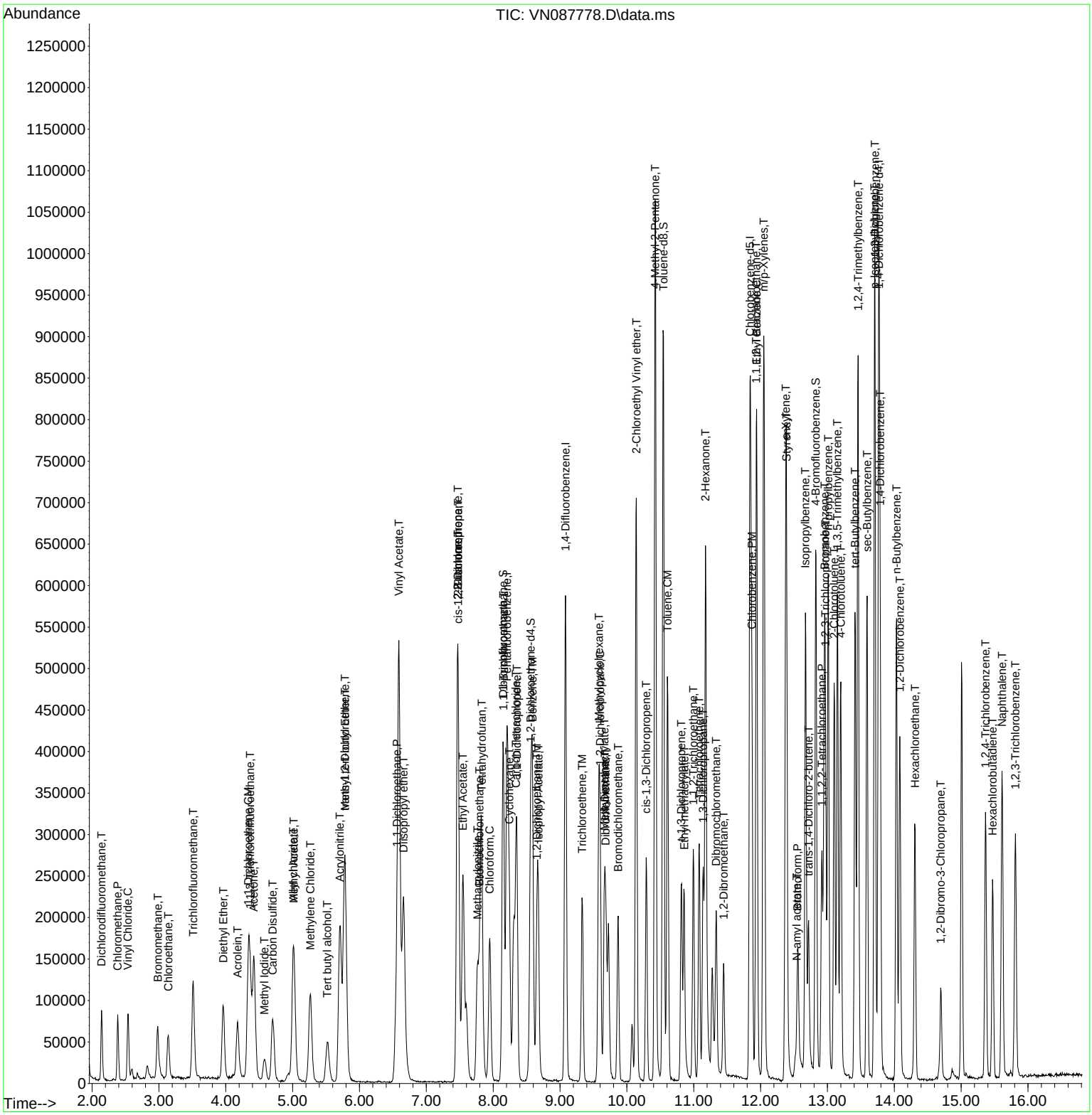
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN091025\
Data File : VN087778.D
Acq On : 10 Sep 2025 13:50
Operator : JC\MD
Sample : VN0910WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 1 Sample Multiplier: 1

Quant Time: Sep 11 02:03:13 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260
QLast Update : Fri Aug 22 02:55:42 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN0910WBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 09/11/2025
Supervised By :Mahesh Dadoda 09/11/2025



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Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN087619.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	1,4-Dichlorobenzene	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Diethyl Ether	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Ethyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	Methyl Acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC001	VN087619.D	N-amyl acetate	JOHN	8/22/2025 9:16:40 AM	MMDadoda	8/25/2025 8:11:19 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	Ethyl Acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC005	VN087620.D	N-amyl acetate	JOHN	8/22/2025 9:16:49 AM	MMDadoda	8/25/2025 8:11:20 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICC020	VN087621.D	N-amyl acetate	JOHN	8/22/2025 9:17:20 AM	MMDadoda	8/25/2025 8:11:22 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software
VSTDICCC050	VN087622.D	N-amyl acetate	JOHN	8/22/2025 9:17:24 AM	MMDadoda	8/25/2025 8:11:23 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN082125	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN087623.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:28 AM	MMDadoda	8/25/2025 8:11:24 AM	Peak Integrated by Software
VSTDICC150	VN087624.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:33 AM	MMDadoda	8/25/2025 8:11:26 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	1,2,3-Trichloropropane	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software
VSTDICV050	VN087626.D	N-amyl acetate	JOHN	8/22/2025 9:17:37 AM	MMDadoda	8/25/2025 8:11:28 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VN091025	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087774.D	1,2,3-Trichloropropane	sam	9/11/2025 9:11:57 AM	MMDadoda	9/11/2025 5:36:45 PM	Peak Integrated by Software
VSTDCCC050	VN087774.D	N-amyl acetate	sam	9/11/2025 9:11:57 AM	MMDadoda	9/11/2025 5:36:45 PM	Peak Integrated by Software
VN0910WBS01	VN087777.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:02 AM	MMDadoda	9/11/2025 5:36:39 PM	Peak Integrated by Software
VN0910WBS01	VN087777.D	N-amyl acetate	sam	9/11/2025 9:12:02 AM	MMDadoda	9/11/2025 5:36:39 PM	Peak Integrated by Software
VN0910WBSD01	VN087778.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:06 AM	MMDadoda	9/11/2025 5:36:36 PM	Peak Integrated by Software
VN0910WBSD01	VN087778.D	N-amyl acetate	sam	9/11/2025 9:12:06 AM	MMDadoda	9/11/2025 5:36:36 PM	Peak Integrated by Software
VSTDCCC050	VN087790.D	1,2,3-Trichloropropane	sam	9/11/2025 9:12:33 AM	MMDadoda	9/11/2025 5:36:15 PM	Peak Integrated by Software
VSTDCCC050	VN087790.D	N-amyl acetate	sam	9/11/2025 9:12:33 AM	MMDadoda	9/11/2025 5:36:15 PM	Peak Integrated by Software

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Fax : 908 789 8922

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087614.D	21 Aug 2025 09:30	JC\MD	Ok
2	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	JC\MD	Not Ok
3	VN0821WBS01	VN087616.D	21 Aug 2025 10:37	JC\MD	Not Ok
4	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11	JC\MD	Not Ok
5	VN0821WBL01	VN087618.D	21 Aug 2025 11:36	JC\MD	Not Ok
6	VSTDICC001	VN087619.D	21 Aug 2025 12:09	JC\MD	Ok,M
7	VSTDICC005	VN087620.D	21 Aug 2025 13:08	JC\MD	Ok,M
8	VSTDICC020	VN087621.D	21 Aug 2025 13:41	JC\MD	Ok,M
9	VSTDICCC050	VN087622.D	21 Aug 2025 14:02	JC\MD	Ok,M
10	VSTDICC100	VN087623.D	21 Aug 2025 14:23	JC\MD	Ok,M
11	VSTDICC150	VN087624.D	21 Aug 2025 14:44	JC\MD	Ok,M
12	IBLK	VN087625.D	21 Aug 2025 15:05	JC\MD	Ok
13	VSTDICV050	VN087626.D	21 Aug 2025 15:47	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091025

Review By	Mahesh Dadoda	Review On	9/11/2025 5:36:58 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM				
SubDirectory	VN091025	HP Acquire Method	MSVOA_N		HP Processing Method	VN082125W.M	

STD. NAME	STD REF.#
Tune/Reschk	VP135412
Initial Calibration Stds	
CCC	VP135413,VP135414
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087773.D	10 Sep 2025 11:13	JC\MD	Ok
2	VSTDCCC050	VN087774.D	10 Sep 2025 11:47	JC\MD	Ok,M
3	VN0910MBL01	VN087775.D	10 Sep 2025 12:25	JC\MD	Ok
4	VN0910WBL01	VN087776.D	10 Sep 2025 12:46	JC\MD	Ok
5	VN0910WBS01	VN087777.D	10 Sep 2025 13:29	JC\MD	Ok,M
6	VN0910WBSD01	VN087778.D	10 Sep 2025 13:50	JC\MD	Ok,M
7	Q3045-06	VN087779.D	10 Sep 2025 14:24	JC\MD	Dilution
8	Q3045-06DL	VN087780.D	10 Sep 2025 15:06	JC\MD	Ok
9	VIBLK	VN087781.D	10 Sep 2025 15:26	JC\MD	Ok
10	Q3058-03	VN087782.D	10 Sep 2025 15:47	JC\MD	Ok
11	VIBLK	VN087783.D	10 Sep 2025 16:08	JC\MD	Ok
12	Q3045-05	VN087784.D	10 Sep 2025 16:29	JC\MD	Dilution
13	Q3045-05DL	VN087785.D	10 Sep 2025 16:50	JC\MD	Ok,M
14	Q3045-05DL	VN087786.D	10 Sep 2025 17:11	JC\MD	Not Ok
15	VIBLK	VN087787.D	10 Sep 2025 17:32	JC\MD	Ok
16	PB169608TB	VN087788.D	10 Sep 2025 17:53	JC\MD	Ok,M
17	PB169609TB	VN087789.D	10 Sep 2025 18:14	JC\MD	Ok,M
18	VSTDCCC050	VN087790.D	10 Sep 2025 18:35	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082125

Review By	John Carlone	Review On	8/22/2025 9:17:52 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/25/2025 8:11:38 AM		
SubDirectory	VN082125	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135214
Initial Calibration Stds	VP135215,VP135216,VP135217,VP135218,VP135219,VP135220
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP135221
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087614.D	21 Aug 2025 09:30		JC\MD	Ok
2	VSTDCCC020	VSTDCCC020	VN087615.D	21 Aug 2025 10:04	Need ICAL	JC\MD	Not Ok
3	VN0821WBS01	VN0821WBS01	VN087616.D	21 Aug 2025 10:37		JC\MD	Not Ok
4	VN0821WBSD01	VN0821WBSD01	VN087617.D	21 Aug 2025 11:11		JC\MD	Not Ok
5	VN0821WBL01	VN0821WBL01	VN087618.D	21 Aug 2025 11:36		JC\MD	Not Ok
6	VSTDICC001	VSTDICC001	VN087619.D	21 Aug 2025 12:09	LR-10,20	JC\MD	Ok,M
7	VSTDICC005	VSTDICC005	VN087620.D	21 Aug 2025 13:08		JC\MD	Ok,M
8	VSTDICC020	VSTDICC020	VN087621.D	21 Aug 2025 13:41	method not used for #N-amyle Acetate	JC\MD	Ok,M
9	VSTDICCC050	VSTDICCC050	VN087622.D	21 Aug 2025 14:02		JC\MD	Ok,M
10	VSTDICC100	VSTDICC100	VN087623.D	21 Aug 2025 14:23		JC\MD	Ok,M
11	VSTDICC150	VSTDICC150	VN087624.D	21 Aug 2025 14:44		JC\MD	Ok,M
12	IBLK	IBLK	VN087625.D	21 Aug 2025 15:05		JC\MD	Ok
13	VSTDICV050	ICVVN082125	VN087626.D	21 Aug 2025 15:47	Icv Failed for Com.# 64 for DOD	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091025

Review By	Mahesh Dadoda	Review On	9/11/2025 5:36:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM		
SubDirectory	VN091025	HP Acquire Method	MSVOA_N	HP Processing Method	VN082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135412
Initial Calibration Stds	
CCC	VP135413,VP135414
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN087773.D	10 Sep 2025 11:13		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087774.D	10 Sep 2025 11:47		JC\MD	Ok,M
3	VN0910MBL01	VN0910MBL01	VN087775.D	10 Sep 2025 12:25		JC\MD	Ok
4	VN0910WBL01	VN0910WBL01	VN087776.D	10 Sep 2025 12:46		JC\MD	Ok
5	VN0910WBS01	VN0910WBS01	VN087777.D	10 Sep 2025 13:29		JC\MD	Ok,M
6	VN0910WBSD01	VN0910WBSD01	VN087778.D	10 Sep 2025 13:50		JC\MD	Ok,M
7	Q3045-06	DNAPL	VN087779.D	10 Sep 2025 14:24	Need 200X,vial A pH# 9	JC\MD	Dilution
8	Q3045-06DL	DNAPLDL	VN087780.D	10 Sep 2025 15:06		JC\MD	Ok
9	VIBLK	VIBLK	VN087781.D	10 Sep 2025 15:26		JC\MD	Ok
10	Q3058-03	MW4	VN087782.D	10 Sep 2025 15:47	vial A pH<2	JC\MD	Ok
11	VIBLK	VIBLK	VN087783.D	10 Sep 2025 16:08		JC\MD	Ok
12	Q3045-05	DNAPL-OIL	VN087784.D	10 Sep 2025 16:29	Need 50X,vial A pH# 5	JC\MD	Dilution
13	Q3045-05DL	DNAPL-OILDL	VN087785.D	10 Sep 2025 16:50		JC\MD	Ok,M
14	Q3045-05DL	DNAPL-OILDL	VN087786.D	10 Sep 2025 17:11	Not required	JC\MD	Not Ok
15	VIBLK	VIBLK	VN087787.D	10 Sep 2025 17:32		JC\MD	Ok
16	PB169608TB	PB169608TB	VN087788.D	10 Sep 2025 17:53	vial A pH# 5	JC\MD	Ok,M
17	PB169609TB	PB169609TB	VN087789.D	10 Sep 2025 18:14	vial A pH# 5	JC\MD	Ok,M
18	VSTDCCC050	VSTDCCC050EC	VN087790.D	10 Sep 2025 18:35		JC\MD	Ok,M

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN091025

Review By	Mahesh Dadoda	Review On	9/11/2025 5:36:58 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/11/2025 5:39:28 PM		
SubDirectory	VN091025	HP Acquire Method	MSVOA_N	HP Processing Method	VN082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135412
Initial Calibration Stds	
CCC	VP135413,VP135414
Internal Standard/PEM	VP134956
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3058	**OrderDate:**	9/9/2025 1:49:00 PM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-03	**MW4**	**Water**			**09/09/25**			**09/09/25**
			VOCMS Group1	8260-Low			09/10/25	

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Hit Summary Sheet
SW-846

SDG No.: Q3058 **Order ID:** Q3058

Client: G Environmental **Project ID:** Buffington

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW4								
Q3058-03	MW4	Water	Iron	5320		11.7	50.0	ug/L
Q3058-03	MW4	Water	Manganese	303		2.97	10.0	ug/L
Q3058-03	MW4	Water	Sodium	56100		434	1000	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	09/09/25
Project:	Buffington	Date Received:	09/09/25
Client Sample ID:	MW4	SDG No.:	Q3058
Lab Sample ID:	Q3058-03	Matrix:	Water
Level (low/med):	low	% Solid:	0

Cas	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.	Prep Met.
7439-89-6	Iron	5320	N*	1	11.7	50.0	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010
7439-96-5	Manganese	303	*	1	2.97	10.0	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010
7440-23-5	Sodium	56100	*	1	434	1000	ug/L	09/12/25 10:05	09/12/25 18:29	6010D	SW3010

Color Before:	Colorless	Clarity Before:	Clear	Texture:	
Color After:	Colorless	Clarity After:	Clear	Artifacts:	
Comments:	Metals Group4				

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
D = Dilution
Q = indicates LCS control criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
* = indicates the duplicate analysis is not within control limits.
E = Indicates the reported value is estimated because of the presence of interference.
OR = Over Range
N =Spiked sample recovery not within control limits

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	100	P	09/12/2025	13:42	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	13:42	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	13:42	LB137179

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	09/12/2025	14:14	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	14:14	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	14:14	LB137179
CCB02	Iron	23.4	+/-50	U	100	P	09/12/2025	15:12	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	15:12	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	15:12	LB137179
CCB03	Iron	23.4	+/-50	U	100	P	09/12/2025	16:03	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	16:03	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	16:03	LB137179
CCB04	Iron	23.4	+/-50	U	100	P	09/12/2025	17:14	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	17:14	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	17:14	LB137179
CCB05	Iron	23.4	+/-50	U	100	P	09/12/2025	18:04	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	18:04	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	18:04	LB137179
CCB06	Iron	23.4	+/-50	U	100	P	09/12/2025	18:51	LB137179
	Manganese	5.94	+/-10	U	20.0	P	09/12/2025	18:51	LB137179
	Sodium	868	+/-1000	U	2000	P	09/12/2025	18:51	LB137179

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
ICB01	Iron	23.4	+/-50	U	100	P	09/15/2025	11:43	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	11:43	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	11:43	LB137198

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Sample ID	Analyte	Result ug/L	Acceptance Limit	Conc Qual	CRQL	M	Analysis Date	Analysis Time	Run Number
CCB01	Iron	23.4	+/-50	U	100	P	09/15/2025	12:39	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	12:39	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	12:39	LB137198
CCB02	Iron	23.4	+/-50	U	100	P	09/15/2025	13:47	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	13:47	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	13:47	LB137198
CCB03	Iron	23.4	+/-50	U	100	P	09/15/2025	15:15	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	15:15	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	15:15	LB137198
CCB04	Iron	23.4	+/-50	U	100	P	09/15/2025	16:16	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	16:16	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	16:16	LB137198
CCB05	Iron	23.4	+/-50	U	100	P	09/15/2025	16:59	LB137198
	Manganese	5.94	+/-10	U	20.0	P	09/15/2025	16:59	LB137198
	Sodium	868	+/-1000	U	2000	P	09/15/2025	16:59	LB137198

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Metals
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PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q3058

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169680BL		**WATER**		**Batch Number:**	**PB169680**		**Prep Date:**	**09/12/2025**	
	Iron	11.7	<25	U	50.0	P	09/15/2025	12:58	LB137198
	Manganese	2.97	<5	U	10.0	P	09/15/2025	12:58	LB137198
	Sodium	434	<500	U	1000	P	09/15/2025	12:58	LB137198

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3780	4000	95	90 - 110	P	09/12/2025	13:34	LB137179
	Manganese	1850	2000	92	90 - 110	P	09/12/2025	13:34	LB137179
	Sodium	18700	20000	94	90 - 110	P	09/12/2025	13:34	LB137179

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	101	100	101	80 - 120	P	09/12/2025	13:38	LB137179
	Manganese	19.4	20.0	97	80 - 120	P	09/12/2025	13:38	LB137179
	Sodium	1890	2000	95	80 - 120	P	09/12/2025	13:38	LB137179

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4910	5000	98	90 - 110	P	09/12/2025	14:10	LB137179
	Manganese	2410	2500	96	90 - 110	P	09/12/2025	14:10	LB137179
	Sodium	24600	25000	98	90 - 110	P	09/12/2025	14:10	LB137179
CCV02	Iron	4880	5000	98	90 - 110	P	09/12/2025	15:08	LB137179
	Manganese	2330	2500	93	90 - 110	P	09/12/2025	15:08	LB137179
	Sodium	24500	25000	98	90 - 110	P	09/12/2025	15:08	LB137179
CCV03	Iron	4880	5000	98	90 - 110	P	09/12/2025	15:59	LB137179
	Manganese	2380	2500	95	90 - 110	P	09/12/2025	15:59	LB137179
	Sodium	24500	25000	98	90 - 110	P	09/12/2025	15:59	LB137179
CCV04	Iron	5020	5000	100	90 - 110	P	09/12/2025	16:51	LB137179
	Manganese	2410	2500	96	90 - 110	P	09/12/2025	16:51	LB137179
	Sodium	25800	25000	103	90 - 110	P	09/12/2025	16:51	LB137179
CCV05	Iron	4740	5000	95	90 - 110	P	09/12/2025	18:00	LB137179
	Manganese	2340	2500	94	90 - 110	P	09/12/2025	18:00	LB137179
	Sodium	23400	25000	94	90 - 110	P	09/12/2025	18:00	LB137179
CCV06	Iron	4710	5000	94	90 - 110	P	09/12/2025	18:47	LB137179
	Manganese	2380	2500	95	90 - 110	P	09/12/2025	18:47	LB137179
	Sodium	23300	25000	93	90 - 110	P	09/12/2025	18:47	LB137179

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
ICV01	Iron	3930	4000	98	90 - 110	P	09/15/2025	11:31	LB137198
	Manganese	1910	2000	96	90 - 110	P	09/15/2025	11:31	LB137198
	Sodium	19200	20000	96	90 - 110	P	09/15/2025	11:31	LB137198

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
LLICV01	Iron	104	100	104	80 - 120	P	09/15/2025	11:36	LB137198
	Manganese	20.6	20.0	103	80 - 120	P	09/15/2025	11:36	LB137198
	Sodium	1900	2000	95	80 - 120	P	09/15/2025	11:36	LB137198

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Metals

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INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source: EPA

Continuing Calibration Source: Inorganic Ventures

Sample ID	Analyte	Result ug/L	True Value	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CCV01	Iron	4930	5000	99	90 - 110	P	09/15/2025	12:35	LB137198
	Manganese	2480	2500	99	90 - 110	P	09/15/2025	12:35	LB137198
	Sodium	24200	25000	97	90 - 110	P	09/15/2025	12:35	LB137198
CCV02	Iron	4720	5000	94	90 - 110	P	09/15/2025	13:42	LB137198
	Manganese	2370	2500	95	90 - 110	P	09/15/2025	13:42	LB137198
	Sodium	23300	25000	93	90 - 110	P	09/15/2025	13:42	LB137198
CCV03	Iron	4770	5000	95	90 - 110	P	09/15/2025	15:11	LB137198
	Manganese	2340	2500	94	90 - 110	P	09/15/2025	15:11	LB137198
	Sodium	22600	25000	91	90 - 110	P	09/15/2025	15:11	LB137198
CCV04	Iron	4840	5000	97	90 - 110	P	09/15/2025	16:12	LB137198
	Manganese	2360	2500	94	90 - 110	P	09/15/2025	16:12	LB137198
	Sodium	23200	25000	93	90 - 110	P	09/15/2025	16:12	LB137198
CCV05	Iron	4740	5000	95	90 - 110	P	09/15/2025	16:55	LB137198
	Manganese	2360	2500	95	90 - 110	P	09/15/2025	16:55	LB137198
	Sodium	23000	25000	92	90 - 110	P	09/15/2025	16:55	LB137198

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Metals

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CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Initial Calibration Source:

Continuing Calibration Source:

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Acceptance Window (%R)	M	Analysis Date	Analysis Time	Run Number
CRI01	Iron	92.9	100	93	65 - 135	P	09/12/2025	13:47	LB137179
	Manganese	19.5	20.0	98	65 - 135	P	09/12/2025	13:47	LB137179
	Sodium	1870	2000	94	65 - 135	P	09/12/2025	13:47	LB137179
CRI01	Iron	104	100	104	65 - 135	P	09/15/2025	11:47	LB137198
	Manganese	19.6	20.0	98	65 - 135	P	09/15/2025	11:47	LB137198
	Sodium	1840	2000	92	65 - 135	P	09/15/2025	11:47	LB137198

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

ICS Source: EPA **Instrument ID:** P4

Sample ID	Analyte	Result ug/L	True Value ug/L	% Recovery	Low Limit (ug/L)	High Limit (ug/L)	Analysis Date	Analysis Time	Run Number
ICSA01	Iron	98100	101000	97	85600	116500	09/12/2025	13:53	LB137179
	Manganese	-0.47	7.0	7	-13	27	09/12/2025	13:53	LB137179
	Sodium	125			0	0	09/12/2025	13:53	LB137179
ICSAB01	Iron	101000	99300	102	84400	114500	09/12/2025	13:58	LB137179
	Manganese	477	507	94	430	584	09/12/2025	13:58	LB137179
	Sodium	30.4			0	0	09/12/2025	13:58	LB137179
ICSA01	Iron	98700	101000	98	85600	116500	09/15/2025	12:12	LB137198
	Manganese	9.55	7.0	136	-13	27	09/15/2025	12:12	LB137198
	Sodium	109			0	0	09/15/2025	12:12	LB137198
ICSAB01	Iron	95600	99300	96	84400	114500	09/15/2025	12:16	LB137198
	Manganese	473	507	93	430	584	09/15/2025	12:16	LB137198
	Sodium	116			0	0	09/15/2025	12:16	LB137198

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3058

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q3071-01 **client id:** 4089MS

Percent Solids for Sample: NA **Spiked ID:** Q3071-01MS **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1590		1860		1500	-17	N	P
Manganese	ug/L	75 - 125	108		33.1		100	75		P
Sodium	ug/L	75 - 125	31500		21100		1500	690		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q3058

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q3071-01 **client id:** 4089MSD

Percent Solids for Sample: NA **Spiked ID:** Q3071-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit %R	MSD Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	1510		1860		1500	-23	N	P
Manganese	ug/L	75 - 125	109		33.1		100	76		P
Sodium	ug/L	75 - 125	29800		21100		1500	580		P

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Metals
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POST DIGEST SPIKE SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Level:** LOW **Client ID:** 4089A

Sample ID: Q3071-01 **Spiked ID:** Q3071-01A

Analyte	Units	Acceptance Limit %R	Spiked Result	C	Sample Result	C	Spike Added	% Recovery	Qual	M
Iron	ug/L	75 - 125	3540		1860		1500	112		P

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3071-01 **Client ID:** 4089DUP

Percent Solids for Sample: NA **Duplicate ID** Q3071-01DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1860		2320		22	*	P
Manganese	ug/L	20	33.1		44.4		29	*	P
Sodium	ug/L	20	21100		26900		24	*	P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q3071-01MS **Client ID:** 4089MSD

Percent Solids for Sample: NA **Duplicate ID** Q3071-01MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	1590		1510		5		P
Manganese	ug/L	20	108		109		1		P
Sodium	ug/L	20	31500		29800		6		P

"A control limit of ±20% RPD for each matrix applies for sample values greater than 10 times Detection Limit"

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LABORATORY CONTROL SAMPLE SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169680BS							
Iron	ug/L	1500	1480		99	80 - 120	P
Manganese	ug/L	100	100		100	80 - 120	P
Sodium	ug/L	1500	1490		99	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

4089L

Lab Name: Alliance **Contract:** GENV01

Lab Code: ACE **Lb No.:** lb137179 **Lab Sample ID :** Q3071-01L **SDG No.:** Q3058

Matrix (soil/water): Water **Level (low/med):** LOW

Concentration Units: ug/L

Analyte	Initial Sample Result (I)	C	Serial Dilution Result (S)	C	% Difference	Q	M
Iron	1860		2170		17		P
Manganese	33.1		38.5	J	16		P
Sodium	21100		24900		18		P

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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q3058

Instrument id number: **Method:** **Run number:** LB137179

Start date: 09/12/2025 **End date:** 09/12/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1309	Fe,Mn,Na
S1	S1	1	1313	Fe,Mn,Na
S2	S2	1	1318	Fe,Mn,Na
S3	S3	1	1322	Fe,Mn,Na
S4	S4	1	1326	Fe,Mn,Na
S5	S5	1	1330	Fe,Mn,Na
ICV01	ICV01	1	1334	Fe,Mn,Na
LLICV01	LLICV01	1	1338	Fe,Mn,Na
ICB01	ICB01	1	1342	Fe,Mn,Na
CRI01	CRI01	1	1347	Fe,Mn,Na
ICSA01	ICSA01	1	1353	Fe,Mn,Na
ICSAB01	ICSAB01	1	1358	Fe,Mn,Na
CCV01	CCV01	1	1410	Fe,Mn,Na
CCB01	CCB01	1	1414	Fe,Mn,Na
CCV02	CCV02	1	1508	Fe,Mn,Na
CCB02	CCB02	1	1512	Fe,Mn,Na
CCV03	CCV03	1	1559	Fe,Mn,Na
CCB03	CCB03	1	1603	Fe,Mn,Na
CCV04	CCV04	1	1651	Fe,Mn,Na
CCB04	CCB04	1	1714	Fe,Mn,Na
CCV05	CCV05	1	1800	Fe,Mn,Na
CCB05	CCB05	1	1804	Fe,Mn,Na
Q3071-01DUP	4089DUP	1	1809	Fe,Mn,Na
Q3071-01L	4089L	5	1813	Fe,Mn,Na
Q3071-01MS	4089MS	1	1817	Fe,Mn,Na
Q3071-01MSD	4089MSD	1	1821	Fe,Mn,Na
Q3071-01A	4089A	1	1825	Fe
Q3058-03	MW4	1	1829	Fe,Mn,Na
CCV06	CCV06	1	1847	Fe,Mn,Na
CCB06	CCB06	1	1851	Fe,Mn,Na

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q3058

Instrument id number: **Method:** **Run number:** LB137198

Start date: 09/15/2025 **End date:** 09/15/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1106	Fe,Mn,Na
S1	S1	1	1110	Fe,Mn,Na
S2	S2	1	1114	Fe,Mn,Na
S3	S3	1	1118	Fe,Mn,Na
S4	S4	1	1122	Fe,Mn,Na
S5	S5	1	1126	Fe,Mn,Na
ICV01	ICV01	1	1131	Fe,Mn,Na
LLICV01	LLICV01	1	1136	Fe,Mn,Na
ICB01	ICB01	1	1143	Fe,Mn,Na
CRI01	CRI01	1	1147	Fe,Mn,Na
ICSA01	ICSA01	1	1212	Fe,Mn,Na
ICSAB01	ICSAB01	1	1216	Fe,Mn,Na
CCV01	CCV01	1	1235	Fe,Mn,Na
CCB01	CCB01	1	1239	Fe,Mn,Na
PB169680BL	PB169680BL	1	1258	Fe,Mn,Na
PB169680BS	PB169680BS	1	1302	Fe,Mn,Na
CCV02	CCV02	1	1342	Fe,Mn,Na
CCB02	CCB02	1	1347	Fe,Mn,Na
CCV03	CCV03	1	1511	Fe,Mn,Na
CCB03	CCB03	1	1515	Fe,Mn,Na
CCV04	CCV04	1	1612	Fe,Mn,Na
CCB04	CCB04	1	1616	Fe,Mn,Na
CCV05	CCV05	1	1655	Fe,Mn,Na
CCB05	CCB05	1	1659	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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

Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Al	Ca	Fe	Mg	Ag
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: As	Ba	Be	Cd	Co
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	-0.0039600
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Cr	Cu	K	Mn	Mo
Iron	240.488	0.0000000	0.0000000	0.0000730	0.0000000	-0.0015250
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Na	Ni	Pb	Sb	Se
Iron	240.488	0.0000000	-0.0017000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE

Instrument ID: **Date:**

Interelement Correction Factors (apparent ppb analyte/ppm interferent)

Analyte	Wave-Length (nm)	ICP Interelement Correction Factors For: Sn	Ti	Tl	V	Zn
Iron	240.488	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.610	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.592	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

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LAB CHRONICLE

OrderID:	Q3058	**OrderDate:**	9/9/2025 1:49:00 PM
Client:	G Environmental	**Project:**	Buffington
Contact:	Gary Landis	**Location:**	J42,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3058-03	**MW4**	**Water**			**09/09/25**			**09/09/25**
			Metals Group4	6010D		09/12/25	09/12/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Fax : 908 789 8922

Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q3058

Contract: GENV01 **Lab Code:** ACE **Method:**

Sample ID	Client ID	Sample Type	Matrix	Prep Date	Initial Sample Size(mL)	Final Sample Volume (mL)	Percent Solids
Batch Number:	**PB169680**						
PB169680BL	PB169680BL	MB	WATER	09/12/2025	50.0	25.0	
PB169680BS	PB169680BS	LCS	WATER	09/12/2025	50.0	25.0	
Q3058-03	MW4	SAM	WATER	09/12/2025	50.0	25.0	
Q3071-01DUP	4089DUP	DUP	WATER	09/12/2025	50.0	25.0	
Q3071-01MS	4089MS	MS	WATER	09/12/2025	50.0	25.0	
Q3071-01MSD	4089MSD	MSD	WATER	09/12/2025	50.0	25.0	

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	09/12/25 13:09		Jaswal	OK
2	S1	S1	CAL2	09/12/25 13:13		Jaswal	OK
3	S2	S2	CAL3	09/12/25 13:18		Jaswal	OK
4	S3	S3	CAL4	09/12/25 13:22		Jaswal	OK
5	S4	S4	CAL5	09/12/25 13:26		Jaswal	OK
6	S5	S5	CAL6	09/12/25 13:30		Jaswal	OK
7	ICV01	ICV01	ICV	09/12/25 13:34		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/12/25 13:38		Jaswal	OK
9	ICB01	ICB01	ICB	09/12/25 13:42		Jaswal	OK
10	CRI01	CRI01	CRDL	09/12/25 13:47		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/12/25 13:53		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/12/25 13:58		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/12/25 14:02		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/12/25 14:06		Jaswal	OK
15	CCV01	CCV01	CCV	09/12/25 14:10		Jaswal	OK
16	CCB01	CCB01	CCB	09/12/25 14:14		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/12/25 14:19		Jaswal	OK
18	LR-2	LR-2	HIGH STD	09/12/25 14:23		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137179

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Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

19	PB169652BS	PB169652BS	LCS	09/12/25 14:47		Jaswal	OK
20	Q3065-01	VNJ-204	SAM	09/12/25 14:51		Jaswal	OK
21	Q3066-01	354	SAM	09/12/25 14:55		Jaswal	OK
22	Q3066-03	VNJ-242	SAM	09/12/25 14:59		Jaswal	OK
23	PB169652BL	PB169652BL	MB	09/12/25 15:03		Jaswal	OK
24	CCV02	CCV02	CCV	09/12/25 15:08		Jaswal	OK
25	CCB02	CCB02	CCB	09/12/25 15:12		Jaswal	OK
26	Q3072-01DUP	30-GARFIELD-PL-CO	DUP	09/12/25 15:17		Jaswal	OK
27	Q3072-01L	30-GARFIELD-PL-CO	SD	09/12/25 15:21		Jaswal	OK
28	Q3072-01MS	30-GARFIELD-PL-CO	MS	09/12/25 15:25		Jaswal	OK
29	Q3072-01MSD	30-GARFIELD-PL-CO	MSD	09/12/25 15:29		Jaswal	OK
30	Q3072-01A	30-GARFIELD-PL-CO	PS	09/12/25 15:33	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
31	PB169660BL	PB169660BL	MB	09/12/25 15:38		Jaswal	OK
32	PB169660BS	PB169660BS	LCS	09/12/25 15:42		Jaswal	OK
33	Q3072-01	30-GARFIELD-PL-CO	SAM	09/12/25 15:46		Jaswal	OK
34	Q3054-08	MH-384	SAM	09/12/25 15:50		Jaswal	OK
35	Q3066-06	354	SAM	09/12/25 15:55		Jaswal	OK
36	CCV03	CCV03	CCV	09/12/25 15:59		Jaswal	OK
37	CCB03	CCB03	CCB	09/12/25 16:03		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137179

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Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

38	Q3066-07	VNJ-242	SAM	09/12/25 16:08		Jaswal	OK
39	Q3072-02	30-GARFIELD-PL-CO	SAM	09/12/25 16:12		Jaswal	OK
40	Q3073-03	BEL-25-0023	SAM	09/12/25 16:16		Jaswal	OK
41	Q3074-05	MOO-25-0141	SAM	09/12/25 16:21		Jaswal	OK
42	Q3075-03	MOO-25-0254-0256	SAM	09/12/25 16:25		Jaswal	OK
43	Q3075-05	MOO-25-0258	SAM	09/12/25 16:29		Jaswal	OK
44	Q3075-07	MOO-25-0259	SAM	09/12/25 16:34		Jaswal	OK
45	Q3075-09	MOO-25-0260	SAM	09/12/25 16:38		Jaswal	OK
46	Q3075-12	MOO-25-0261-0263	SAM	09/12/25 16:42		Jaswal	OK
47	Q3077-02	LAW-25-0137	SAM	09/12/25 16:47		Jaswal	OK
48	CCV04	CCV04	CCV	09/12/25 16:51		Jaswal	OK
49	CCB04	CCB04	CCB	09/12/25 17:14		Jaswal	OK
50	Q3077-04	LAW-25-0139	SAM	09/12/25 17:18		Jaswal	OK
51	Q3077-04DUP	LAW-25-0139DUP	DUP	09/12/25 17:22		Jaswal	OK
52	Q3077-04L	LAW-25-0139L	SD	09/12/25 17:27		Jaswal	OK
53	Q3077-04MS	LAW-25-0139MS	MS	09/12/25 17:31		Jaswal	OK
54	Q3077-04MSD	LAW-25-0139MSD	MSD	09/12/25 17:35		Jaswal	OK
55	Q3077-04A	LAW-25-0139A	PS	09/12/25 17:39	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
56	PB169640TB	PB169640TB	MB	09/12/25 17:43		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137179

Review By	Janvi	Review On	9/15/2025 10:21:14 AM
Supervise By	jaswal	Supervise On	9/16/2025 11:52:32 AM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

57	Q3071-01	4089	SAM	09/12/25 17:56		Jaswal	OK
58	CCV05	CCV05	CCV	09/12/25 18:00		Jaswal	OK
59	CCB05	CCB05	CCB	09/12/25 18:04		Jaswal	OK
60	Q3071-01DUP	4089DUP	DUP	09/12/25 18:09		Jaswal	OK
61	Q3071-01L	4089L	SD	09/12/25 18:13		Jaswal	OK
62	Q3071-01MS	4089MS	MS	09/12/25 18:17		Jaswal	OK
63	Q3071-01MSD	4089MSD	MSD	09/12/25 18:21		Jaswal	OK
64	Q3071-01A	4089A	PS	09/12/25 18:25	0.1ml M6008,M6017-10ML SAMPLE	Jaswal	OK
65	Q3058-03	MW4	SAM	09/12/25 18:29		Jaswal	OK
66	LR-3	LR-3	HIGH STD	09/12/25 18:33		Jaswal	OK
67	Q3054-04	MH-385	SAM	09/12/25 18:38		Jaswal	OK
68	Q3080-01	EO-03-091125	SAM	09/12/25 18:43		Jaswal	OK
69	CCV06	CCV06	CCV	09/12/25 18:47		Jaswal	OK
70	CCB06	CCB06	CCB	09/12/25 18:51		Jaswal	OK

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137198

Review By	Janvi	Review On	9/16/2025 11:58:31 AM
Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	09/15/25 11:06		Jaswal	OK
2	S1	S1	CAL2	09/15/25 11:10		Jaswal	OK
3	S2	S2	CAL3	09/15/25 11:14		Jaswal	OK
4	S3	S3	CAL4	09/15/25 11:18		Jaswal	OK
5	S4	S4	CAL5	09/15/25 11:22		Jaswal	OK
6	S5	S5	CAL6	09/15/25 11:26		Jaswal	OK
7	ICV01	ICV01	ICV	09/15/25 11:31		Jaswal	OK
8	LLICV01	LLICV01	LLICV	09/15/25 11:36		Jaswal	OK
9	ICB01	ICB01	ICB	09/15/25 11:43		Jaswal	OK
10	CRI01	CRI01	CRDL	09/15/25 11:47		Jaswal	OK
11	ICSA01	ICSA01	ICSA	09/15/25 12:12		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	09/15/25 12:16		Jaswal	OK
13	ICSADL	ICSADL	ICSA	09/15/25 12:26		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	09/15/25 12:30		Jaswal	OK
15	CCV01	CCV01	CCV	09/15/25 12:35		Jaswal	OK
16	CCB01	CCB01	CCB	09/15/25 12:39		Jaswal	OK
17	LR-1	LR-1	HIGH STD	09/15/25 12:44		Jaswal	OK
18	PB169680BL	PB169680BL	MB	09/15/25 12:58		Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137198

Review By	Janvi	Review On	9/16/2025 11:58:31 AM
Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

19	PB169680BS	PB169680BS	LCS	09/15/25 13:02		Jaswal	OK
20	PB169682BL	PB169682BL	MB	09/15/25 13:06		Jaswal	OK
21	PB169682BS	PB169682BS	LCS	09/15/25 13:10		Jaswal	OK
22	Q3082-01	WC-29	SAM	09/15/25 13:14		Jaswal	OK
23	Q3082-03	WC-30	SAM	09/15/25 13:18		Jaswal	OK
24	Q3082-05	WC-31	SAM	09/15/25 13:22		Jaswal	OK
25	CCV02	CCV02	CCV	09/15/25 13:42		Jaswal	OK
26	CCB02	CCB02	CCB	09/15/25 13:47		Jaswal	OK
27	Q3082-07	WC-32	SAM	09/15/25 13:51		Jaswal	OK
28	Q3082-09	WC-33	SAM	09/15/25 13:55		Jaswal	OK
29	Q3082-01DUP	WC-29DUP	DUP	09/15/25 13:59		Jaswal	OK
30	Q3082-01L	WC-29L	SD	09/15/25 14:03		Jaswal	OK
31	Q3082-01MS	WC-29MS	MS	09/15/25 14:07		Jaswal	OK
32	Q3082-01MSD	WC-29MSD	MSD	09/15/25 14:11		Jaswal	OK
33	Q3082-01A	WC-29A	PS	09/15/25 14:15	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK
34	LR-2	LR-2	HIGH STD	09/15/25 14:40		Jaswal	OK
35	LR-3	LR-3	HIGH STD	09/15/25 14:48		Jaswal	OK
36	CCV03	CCV03	CCV	09/15/25 15:11		Jaswal	OK
37	CCB03	CCB03	CCB	09/15/25 15:15		Jaswal	OK

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Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

38	PB169685BL	PB169685BL	MB	09/15/25 15:19		Jaswal	OK
39	PB169685BS	PB169685BS	LCS	09/15/25 15:23		Jaswal	OK
40	Q3082-02	WC-29	SAM	09/15/25 15:27		Jaswal	OK
41	Q3082-04	WC-30	SAM	09/15/25 15:32		Jaswal	OK
42	Q3082-06	WC-31	SAM	09/15/25 15:36		Jaswal	OK
43	Q3082-08	WC-32	SAM	09/15/25 15:41		Jaswal	OK
44	Q3082-10	WC-33	SAM	09/15/25 15:45		Jaswal	OK
45	Q3085-01	PAULDING-WC1	SAM	09/15/25 15:49		Jaswal	OK
46	Q3091-07	12/9C-COMP	SAM	09/15/25 15:54		Jaswal	OK
47	Q3091-14	12/9B-COMP	SAM	09/15/25 15:58		Jaswal	OK
48	CCV04	CCV04	CCV	09/15/25 16:12		Jaswal	OK
49	CCB04	CCB04	CCB	09/15/25 16:16		Jaswal	OK
50	Q3092-02	291376	SAM	09/15/25 16:21		Jaswal	OK
51	Q3092-04	279182	SAM	09/15/25 16:25		Jaswal	OK
52	Q3092-04DUP	279182DUP	DUP	09/15/25 16:29		Jaswal	OK
53	Q3092-04L	279182L	SD	09/15/25 16:34		Jaswal	OK
54	Q3092-04MS	279182MS	MS	09/15/25 16:38		Jaswal	OK
55	Q3092-04MSD	279182MSD	MSD	09/15/25 16:42		Jaswal	OK
56	Q3092-04A	279182A	PS	09/15/25 16:46	0.1 ML OF M6008 AND M6017 IN 10ML SAMPLE.	Jaswal	OK

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Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB137198

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Supervise By	jaswal	Supervise On	9/16/2025 12:00:47 PM

STD. NAME	STD REF.#
ICAL Standard	MP87031,MP87038,MP87035,MP87034,MP87033,MP87032
ICV Standard	MP87047,MP87038
CCV Standard	MP87042
ICSA Standard	MP87040,MP87048
CRI Standard	MP87038
LCS Standard	
Chk Standard	MP87043,MP87044,MP87045,MP87046,MP87049

57	PB169677TB	PB169677TB	MB	09/15/25 16:50		Jaswal	OK
58	CCV05	CCV05	CCV	09/15/25 16:55		Jaswal	OK
59	CCB05	CCB05	CCB	09/15/25 16:59		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169680

SOP ID : M3010A-Digestion-17

SDG No : N/A

Matrix : WATER

Pippete ID: ICP A

Balance ID : N/A

Filter paper ID : N/A

pH Strip ID : M6069

Hood ID : #3

Block ID: 1. HOT BLOCK #1 2. N/A

Start Digest Date: 09/12/2025 **Time :** 10:05 **Temp :** 96 °C

End Digest Date: 09/12/2025 **Time :** 13:10 **Temp :** 96 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SKg.

Supervisor Signature: jepp

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	1.00	M6180
LFS-2	1.00	M6181
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Chemical Used	ML/SAMPLE USED	Lot Number
Conc. HNO3	3.00	M6158
1:1 HCL	5.00	MP85156
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A
N/A	N/A	N/A

Extraction Conformance/Non-Conformance Comments:

HOT BLOCK#1 CELL#50 96C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
09/12/25 14:10	SKg. met dig	jepp / Metlab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169680

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169680BL	PBW680	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	8
PB169680BS	LCS680	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	9
Q3058-03	MW4	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	10
Q3071-01	4089	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	11
Q3071-01MS	4089MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	13
Q3071-01MSD	4089MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	14
Q3071-01DUP	4089DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	12

A
B
C
D
E
F
G
H
I
J