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

Hit Summary Sheet
SW-846

SDG No.: Q2964

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**RBBX4R**								
Q2964-01	RBBX4R	SOIL	Acetone		65.2		4.10	21.7	ug/Kg
Q2964-01	RBBX4R	SOIL	Methylene Chloride		6.10	J	3.10	8.70	ug/Kg
Q2964-01	RBBX4R	SOIL	2-Butanone		6.40	J	5.70	21.7	ug/Kg
Q2964-01	RBBX4R	SOIL	Ethyl Benzene		53.6		0.58	4.30	ug/Kg
Q2964-01	RBBX4R	SOIL	m/p-Xylenes		250		1.10	8.70	ug/Kg
Q2964-01	RBBX4R	SOIL	o-Xylene		55.7		0.71	4.30	ug/Kg
Q2964-01	RBBX4R	SOIL	Isopropylbenzene		2.30	J	0.68	4.30	ug/Kg
			Total Voc :		439				
Q2964-01	RBBX4R	SOIL	Heptane, 2,5-dimethyl-	*	15.3	J	0	0	ug/Kg
Q2964-01	RBBX4R	SOIL	Octane, 4-methyl-	*	18.9	J	0	0	ug/Kg
			Total Tics :		34.2				
			Total Concentration:		474				
Client ID:	**RPXY1R**								
Q2964-04	RPXY1R	SOIL	Toluene		2100	J	600	3800	ug/Kg
Q2964-04	RPXY1R	SOIL	Ethyl Benzene		116000	E	510	3800	ug/Kg
Q2964-04	RPXY1R	SOIL	m/p-Xylenes		487000	E	950	7600	ug/Kg
Q2964-04	RPXY1R	SOIL	o-Xylene		126000	E	630	3800	ug/Kg
			Total Voc :		731000				
			Total Concentration:		731000				
Client ID:	**RPXY1RDL**								
Q2964-04DL	RPXY1RDL	SOIL	Ethyl Benzene		91900	D	2600	19100	ug/Kg
Q2964-04DL	RPXY1RDL	SOIL	m/p-Xylenes		381000	D	4700	38200	ug/Kg
Q2964-04DL	RPXY1RDL	SOIL	o-Xylene		97300	D	3100	19100	ug/Kg
			Total Voc :		570000				
			Total Concentration:		570000				

SAMPLE DATA

Raw Data: **VY023229.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RBBX4R	SDG No.:	Q2964
Lab Sample ID:	Q2964-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.8
Sample Wt/Vol:	7.04 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
VY023229.D	1	08/28/25 16:15	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.99	U	0.99	4.30	ug/Kg
74-87-3	Chloromethane	0.99	U	0.99	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.69	U	0.69	4.30	ug/Kg
74-83-9	Bromomethane	0.93	U	0.93	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	1.10	U	1.10	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.92	U	0.92	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.87	U	0.87	4.30	ug/Kg
67-64-1	Acetone	65.2		4.10	21.7	ug/Kg
75-15-0	Carbon Disulfide	0.92	U	0.92	4.30	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.63	U	0.63	4.30	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.30	ug/Kg
75-09-2	Methylene Chloride	6.10	J	3.10	8.70	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.75	U	0.75	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.69	U	0.69	4.30	ug/Kg
78-93-3	2-Butanone	6.40	J	5.70	21.7	ug/Kg
56-23-5	Carbon Tetrachloride	0.84	U	0.84	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.65	U	0.65	4.30	ug/Kg
74-97-5	Bromochloromethane	1.00	U	1.00	4.30	ug/Kg
67-66-3	Chloroform	0.73	U	0.73	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.81	U	0.81	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.79	U	0.79	4.30	ug/Kg
71-43-2	Benzene	0.69	U	0.69	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.79	U	0.79	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.68	U	0.68	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.7	ug/Kg
108-88-3	Toluene	0.68	U	0.68	4.30	ug/Kg

Raw Data: **VY023229.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RBBX4R	SDG No.:	Q2964
Lab Sample ID:	Q2964-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.8
Sample Wt/Vol:	7.04 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
VY023229.D	1	08/28/25 16:15	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.56	U	0.56	4.30	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.54	U	0.54	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.7	ug/Kg
124-48-1	Dibromochloromethane	0.76	U	0.76	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.91	U	0.91	4.30	ug/Kg
108-90-7	Chlorobenzene	0.79	U	0.79	4.30	ug/Kg
100-41-4	Ethyl Benzene	53.6		0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	250		1.10	8.70	ug/Kg
95-47-6	o-Xylene	55.7		0.71	4.30	ug/Kg
100-42-5	Styrene	0.62	U	0.62	4.30	ug/Kg
75-25-2	Bromoform	0.75	U	0.75	4.30	ug/Kg
98-82-8	Isopropylbenzene	2.30	J	0.68	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.30	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.50	U	1.50	4.30	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.40	U	1.40	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.30	U	1.30	4.30	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.60	U	1.60	4.30	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.60	U	2.60	4.30	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.80	U	2.80	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.8		70 (63) - 130 (155)	126%	SPK: 50
1868-53-7	Dibromofluoromethane	55.4		70 (70) - 130 (134)	111%	SPK: 50
2037-26-5	Toluene-d8	52.8		70 (74) - 130 (123)	106%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7		70 (17) - 130 (146)	111%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	537000	7.707			
540-36-3	1,4-Difluorobenzene	1040000	8.616			
3114-55-4	Chlorobenzene-d5	1040000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	449000	13.346			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY023229.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RBBX4R	SDG No.:	Q2964
Lab Sample ID:	Q2964-01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.8
Sample Wt/Vol:	7.04 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
VY023229.D	1	08/28/25 16:15	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
002216-34-4	Octane, 4-methyl-	18.9	J		11.2	ug/Kg
002216-30-0	Heptane, 2,5-dimethyl-	15.3	J		11.3	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

Raw Data: **VN087689.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1R	SDG No.:	Q2964
Lab Sample ID:	Q2964-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087689.D	20	08/28/25 16:32	VN082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	870	U	870	3800	ug/Kg
74-87-3	Chloromethane	870	U	870	3800	ug/Kg
75-01-4	Vinyl Chloride	600	U	600	3800	ug/Kg
74-83-9	Bromomethane	820	U	820	3800	ug/Kg
75-00-3	Chloroethane	960	U	960	3800	ug/Kg
75-69-4	Trichlorofluoromethane	930	U	930	3800	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	810	U	810	3800	ug/Kg
75-35-4	1,1-Dichloroethene	760	U	760	3800	ug/Kg
67-64-1	Acetone	3600	U	3600	19100	ug/Kg
75-15-0	Carbon Disulfide	810	U	810	3800	ug/Kg
1634-04-4	Methyl tert-butyl Ether	560	U	560	3800	ug/Kg
79-20-9	Methyl Acetate	1200	U	1200	3800	ug/Kg
75-09-2	Methylene Chloride	2700	U	2700	7600	ug/Kg
156-60-5	trans-1,2-Dichloroethene	660	U	660	3800	ug/Kg
75-34-3	1,1-Dichloroethane	610	U	610	3800	ug/Kg
110-82-7	Cyclohexane	600	U	600	3800	ug/Kg
78-93-3	2-Butanone	5000	U	5000	19100	ug/Kg
56-23-5	Carbon Tetrachloride	740	U	740	3800	ug/Kg
156-59-2	cis-1,2-Dichloroethene	570	U	570	3800	ug/Kg
74-97-5	Bromochloromethane	880	U	880	3800	ug/Kg
67-66-3	Chloroform	640	U	640	3800	ug/Kg
71-55-6	1,1,1-Trichloroethane	710	U	710	3800	ug/Kg
108-87-2	Methylcyclohexane	700	U	700	3800	ug/Kg
71-43-2	Benzene	600	U	600	3800	ug/Kg
107-06-2	1,2-Dichloroethane	600	U	600	3800	ug/Kg
79-01-6	Trichloroethene	620	U	620	3800	ug/Kg
78-87-5	1,2-Dichloropropane	700	U	700	3800	ug/Kg
75-27-4	Bromodichloromethane	600	U	600	3800	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2700	U	2700	19100	ug/Kg
108-88-3	Toluene	2100	J	600	3800	ug/Kg

Raw Data: **VN087689.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1R	SDG No.:	Q2964
Lab Sample ID:	Q2964-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087689.D	20	08/28/25 16:32	VN082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	500	U	500	3800	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	470	U	470	3800	ug/Kg
79-00-5	1,1,2-Trichloroethane	700	U	700	3800	ug/Kg
591-78-6	2-Hexanone	2800	U	2800	19100	ug/Kg
124-48-1	Dibromochloromethane	670	U	670	3800	ug/Kg
106-93-4	1,2-Dibromoethane	670	U	670	3800	ug/Kg
127-18-4	Tetrachloroethene	800	U	800	3800	ug/Kg
108-90-7	Chlorobenzene	700	U	700	3800	ug/Kg
100-41-4	Ethyl Benzene	116000	E	510	3800	ug/Kg
179601-23-1	m/p-Xylenes	487000	E	950	7600	ug/Kg
95-47-6	o-Xylene	126000	E	630	3800	ug/Kg
100-42-5	Styrene	540	U	540	3800	ug/Kg
75-25-2	Bromoform	660	U	660	3800	ug/Kg
98-82-8	Isopropylbenzene	600	U	600	3800	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	930	U	930	3800	ug/Kg
541-73-1	1,3-Dichlorobenzene	1300	U	1300	3800	ug/Kg
106-46-7	1,4-Dichlorobenzene	1200	U	1200	3800	ug/Kg
95-50-1	1,2-Dichlorobenzene	1100	U	1100	3800	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1400	U	1400	3800	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2300	U	2300	3800	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2400	U	2400	3800	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.4		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	49.1		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8		70 (17) - 130 (146)	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	8.206			
540-36-3	1,4-Difluorobenzene	340000	9.082			
3114-55-4	Chlorobenzene-d5	325000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	158000	13.77			

Raw Data: **VN087689.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1R	SDG No.:	Q2964
Lab Sample ID:	Q2964-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087689.D	20	08/28/25 16:32	VN082825

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: **VN087698.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1RDL	SDG No.:	Q2964
Lab Sample ID:	Q2964-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087698.D	100	08/29/25 14:18	VN082925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	4400	UD	4400	19100	ug/Kg
74-87-3	Chloromethane	4400	UD	4400	19100	ug/Kg
75-01-4	Vinyl Chloride	3000	UD	3000	19100	ug/Kg
74-83-9	Bromomethane	4100	UD	4100	19100	ug/Kg
75-00-3	Chloroethane	4800	UD	4800	19100	ug/Kg
75-69-4	Trichlorofluoromethane	4600	UD	4600	19100	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	4100	UD	4100	19100	ug/Kg
75-35-4	1,1-Dichloroethene	3800	UD	3800	19100	ug/Kg
67-64-1	Acetone	18100	UD	18100	95600	ug/Kg
75-15-0	Carbon Disulfide	4100	UD	4100	19100	ug/Kg
1634-04-4	Methyl tert-butyl Ether	2800	UD	2800	19100	ug/Kg
79-20-9	Methyl Acetate	5900	UD	5900	19100	ug/Kg
75-09-2	Methylene Chloride	13500	UD	13500	38200	ug/Kg
156-60-5	trans-1,2-Dichloroethene	3300	UD	3300	19100	ug/Kg
75-34-3	1,1-Dichloroethane	3100	UD	3100	19100	ug/Kg
110-82-7	Cyclohexane	3000	UD	3000	19100	ug/Kg
78-93-3	2-Butanone	25000	UD	25000	95600	ug/Kg
56-23-5	Carbon Tetrachloride	3700	UD	3700	19100	ug/Kg
156-59-2	cis-1,2-Dichloroethene	2900	UD	2900	19100	ug/Kg
74-97-5	Bromochloromethane	4400	UD	4400	19100	ug/Kg
67-66-3	Chloroform	3200	UD	3200	19100	ug/Kg
71-55-6	1,1,1-Trichloroethane	3600	UD	3600	19100	ug/Kg
108-87-2	Methylcyclohexane	3500	UD	3500	19100	ug/Kg
71-43-2	Benzene	3000	UD	3000	19100	ug/Kg
107-06-2	1,2-Dichloroethane	3000	UD	3000	19100	ug/Kg
79-01-6	Trichloroethene	3100	UD	3100	19100	ug/Kg
78-87-5	1,2-Dichloropropane	3500	UD	3500	19100	ug/Kg
75-27-4	Bromodichloromethane	3000	UD	3000	19100	ug/Kg
108-10-1	4-Methyl-2-Pentanone	13700	UD	13700	95600	ug/Kg
108-88-3	Toluene	3000	UD	3000	19100	ug/Kg

Raw Data: **VN087698.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1RDL	SDG No.:	Q2964
Lab Sample ID:	Q2964-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087698.D	100	08/29/25 14:18	VN082925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	2500	UD	2500	19100	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	2400	UD	2400	19100	ug/Kg
79-00-5	1,1,2-Trichloroethane	3500	UD	3500	19100	ug/Kg
591-78-6	2-Hexanone	14100	UD	14100	95600	ug/Kg
124-48-1	Dibromochloromethane	3300	UD	3300	19100	ug/Kg
106-93-4	1,2-Dibromoethane	3400	UD	3400	19100	ug/Kg
127-18-4	Tetrachloroethene	4000	UD	4000	19100	ug/Kg
108-90-7	Chlorobenzene	3500	UD	3500	19100	ug/Kg
100-41-4	Ethyl Benzene	91900	D	2600	19100	ug/Kg
179601-23-1	m/p-Xylenes	381000	D	4700	38200	ug/Kg
95-47-6	o-Xylene	97300	D	3100	19100	ug/Kg
100-42-5	Styrene	2700	UD	2700	19100	ug/Kg
75-25-2	Bromoform	3300	UD	3300	19100	ug/Kg
98-82-8	Isopropylbenzene	3000	UD	3000	19100	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	4600	UD	4600	19100	ug/Kg
541-73-1	1,3-Dichlorobenzene	6500	UD	6500	19100	ug/Kg
106-46-7	1,4-Dichlorobenzene	6000	UD	6000	19100	ug/Kg
95-50-1	1,2-Dichlorobenzene	5500	UD	5500	19100	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	7000	UD	7000	19100	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	11400	UD	11400	19100	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	12200	UD	12200	19100	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.5		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	46.7		70 (74) - 130 (123)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (17) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	144000	8.206			
540-36-3	1,4-Difluorobenzene	342000	9.083			
3114-55-4	Chlorobenzene-d5	313000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	146000	13.77			

Raw Data: **VN087698.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	RPXY1RDL	SDG No.:	Q2964
Lab Sample ID:	Q2964-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	85
Sample Wt/Vol:	7.69 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
VN087698.D	100	08/29/25 14:18	VN082925

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

QC SUMMARY

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

SDG No.: Q2964

Client: G Environmental

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2964-01	RBBX4R	1,2-Dichloroethane-d4	50	62.8	126		70 (63)	130 (155)
		Dibromofluoromethane	50	55.4	111		70 (70)	130 (134)
		Toluene-d8	50	52.8	106		70 (74)	130 (123)
		4-Bromofluorobenzene	50	55.7	111		70 (17)	130 (146)
Q2964-04	RPXY1R	1,2-Dichloroethane-d4	50	55.4	111		70 (63)	130 (155)
		Dibromofluoromethane	50	52.2	104		70 (70)	130 (134)
		Toluene-d8	50	49.1	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.8	104		70 (17)	130 (146)
Q2964-04DL	RPXY1RDL	1,2-Dichloroethane-d4	50	55.5	111		70 (63)	130 (155)
		Dibromofluoromethane	50	49.7	99		70 (70)	130 (134)
		Toluene-d8	50	46.7	93		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.3	95		70 (17)	130 (146)
VN0828MBL01	VN0828MBL01	1,2-Dichloroethane-d4	50	55.2	110		70 (63)	130 (155)
		Dibromofluoromethane	50	50.6	101		70 (70)	130 (134)
		Toluene-d8	50	48.1	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.1	90		70 (17)	130 (146)
VN0828MBS01	VN0828MBS01	1,2-Dichloroethane-d4	50	46.9	94		70 (63)	130 (155)
		Dibromofluoromethane	50	50.0	100		70 (70)	130 (134)
		Toluene-d8	50	47.5	95		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.7	93		70 (17)	130 (146)
VN0829MBL01	VN0829MBL01	1,2-Dichloroethane-d4	50	55.5	111		70 (63)	130 (155)
		Dibromofluoromethane	50	50.9	102		70 (70)	130 (134)
		Toluene-d8	50	49.2	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	44.9	90		70 (17)	130 (146)
VN0829MBS01	VN0829MBS01	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	47.0	94		70 (70)	130 (134)
		Toluene-d8	50	45.7	91		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.3	92		70 (17)	130 (146)
VY0828SBL01	VY0828SBL01	1,2-Dichloroethane-d4	50	51.1	102		70 (63)	130 (155)
		Dibromofluoromethane	50	51.8	104		70 (70)	130 (134)
		Toluene-d8	50	50.7	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	45.3	91		70 (17)	130 (146)
VY0828SBS01	VY0828SBS01	1,2-Dichloroethane-d4	50	44.5	89		70 (63)	130 (155)
		Dibromofluoromethane	50	48.6	97		70 (70)	130 (134)
		Toluene-d8	50	48.1	96		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.7	93		70 (17)	130 (146)
VY0828SBSD01	VY0828SBSD01	1,2-Dichloroethane-d4	50	47.8	96		70 (63)	130 (155)
		Dibromofluoromethane	50	49.6	99		70 (70)	130 (134)
		Toluene-d8	50	48.4	97		70 (74)	130 (123)
		4-Bromofluorobenzene	50	47.5	95		70 (17)	130 (146)

( ) = 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.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087680.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0828MBS01	Dichlorodifluoromethane	2000	2000	ug/Kg	100			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	1900	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1900	ug/Kg	95			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	8200	ug/Kg	82			40 (40)	160 (171)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1700	ug/Kg	85			70 (77)	130 (129)	
	Methyl Acetate	2000	1900	ug/Kg	95			70 (69)	130 (149)	
	Methylene Chloride	2000	1800	ug/Kg	90			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1700	ug/Kg	85			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	8800	ug/Kg	88			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1900	ug/Kg	95			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1700	ug/Kg	85			70 (82)	130 (123)	
	Bromochloromethane	2000	1800	ug/Kg	90			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1800	ug/Kg	90			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	Bromodichloromethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9300	ug/Kg	93			40 (70)	160 (135)	
	Toluene	2000	1700	ug/Kg	85			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	1800	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	10000	9100	ug/Kg	91			40 (66)	160 (138)	
	Dibromochloromethane	2000	1700	ug/Kg	85			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1800	ug/Kg	90			70 (80)	130 (125)	
	Tetrachloroethene	2000	1700	ug/Kg	85			70 (83)	130 (125)	
	Chlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3600	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	2000	1800	ug/Kg	90			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1800	ug/Kg	90			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			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.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087680.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0828MBS01	1,2-Dibromo-3-Chloropropane	2000	1800	ug/Kg	90			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087696.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0829MBS01	Dichlorodifluoromethane	2000	1900	ug/Kg	95			40 (64)	160 (136)	
	Chloromethane	2000	2000	ug/Kg	100			40 (52)	160 (151)	
	Vinyl chloride	2000	1900	ug/Kg	95			70 (56)	130 (148)	
	Bromomethane	2000	2000	ug/Kg	100			40 (58)	160 (141)	
	Chloroethane	2000	1900	ug/Kg	95			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1900	ug/Kg	95			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	9300	ug/Kg	93			40 (40)	160 (171)	
	Carbon disulfide	2000	1600	ug/Kg	80			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	1800	ug/Kg	90			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1700	ug/Kg	85			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1600	ug/Kg	80			70 (76)	130 (122)	
	2-Butanone	10000	9300	ug/Kg	93			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2000	ug/Kg	100			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	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1900	ug/Kg	95			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	9600	ug/Kg	96			40 (70)	160 (135)	
	Toluene	2000	1800	ug/Kg	90			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	9600	ug/Kg	96			40 (66)	160 (138)	
	Dibromochloromethane	2000	1800	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1900	ug/Kg	95			70 (80)	130 (125)	
	Tetrachloroethene	2000	1700	ug/Kg	85			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			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	1800	ug/Kg	90			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1700	ug/Kg	85			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1900	ug/Kg	95			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			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.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VN087696.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0829MBS01	1,2-Dibromo-3-Chloropropane	2000	1600	ug/Kg	80			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70 (70)	130 (137)	

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023216.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0828SBS01	Dichlorodifluoromethane	20	20.6	ug/Kg	103			40 (64)	160 (136)	
	Chloromethane	20	19.0	ug/Kg	95			40 (52)	160 (151)	
	Vinyl chloride	20	19.5	ug/Kg	98			70 (56)	130 (148)	
	Bromomethane	20	21.3	ug/Kg	106			40 (58)	160 (141)	
	Chloroethane	20	20.0	ug/Kg	100			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.4	ug/Kg	97			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.9	ug/Kg	104			70 (79)	130 (121)	
	Acetone	100	110	ug/Kg	110			40 (40)	160 (171)	
	Carbon disulfide	20	19.6	ug/Kg	98			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	18.7	ug/Kg	94			70 (77)	130 (129)	
	Methyl Acetate	20	17.8	ug/Kg	89			70 (69)	130 (149)	
	Methylene Chloride	20	20.2	ug/Kg	101			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.5	ug/Kg	103			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.0	ug/Kg	100			70 (82)	130 (123)	
	Cyclohexane	20	18.5	ug/Kg	93			70 (76)	130 (122)	
	2-Butanone	100	94.7	ug/Kg	95			40 (69)	160 (131)	
	Carbon Tetrachloride	20	21.1	ug/Kg	106			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	Bromochloromethane	20	19.3	ug/Kg	97			70 (80)	130 (127)	
	Chloroform	20	20.9	ug/Kg	104			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.6	ug/Kg	103			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.8	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichloroethane	20	19.8	ug/Kg	99			70 (81)	130 (126)	
	Trichloroethene	20	22.3	ug/Kg	112			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	Bromodichloromethane	20	20.7	ug/Kg	104			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	86.9	ug/Kg	87			40 (70)	160 (135)	
	Toluene	20	21.0	ug/Kg	105			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	19.4	ug/Kg	97			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	19.9	ug/Kg	100			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	21.1	ug/Kg	106			70 (82)	130 (125)	
	2-Hexanone	100	91.9	ug/Kg	92			40 (66)	160 (138)	
	Dibromochloromethane	20	20.7	ug/Kg	104			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.2	ug/Kg	101			70 (80)	130 (125)	
	Tetrachloroethene	20	24.7	ug/Kg	124			70 (83)	130 (125)	
	Chlorobenzene	20	21.1	ug/Kg	106			70 (84)	130 (122)	
	Ethyl Benzene	20	20.4	ug/Kg	102			70 (82)	130 (124)	
	m/p-Xylenes	40	41.4	ug/Kg	104			70 (83)	130 (124)	
	o-Xylene	20	20.5	ug/Kg	103			70 (83)	130 (123)	
	Styrene	20	20.4	ug/Kg	102			70 (82)	130 (124)	
	Bromoform	20	20.4	ug/Kg	102			70 (75)	130 (127)	
	Isopropylbenzene	20	20.6	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	18.0	ug/Kg	90			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.9	ug/Kg	104			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	21.0	ug/Kg	105			70 (83)	130 (124)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023216.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0828SBS01	1,2-Dibromo-3-Chloropropane	20	18.2	ug/Kg	91			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.4	ug/Kg	97			70 (70)	130 (137)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023217.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0828SBSD01	Dichlorodifluoromethane	20	20.7	ug/Kg	104	1		40 (64)	160 (136)	30 (20)
	Chloromethane	20	19.6	ug/Kg	98	3		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	19.6	ug/Kg	98	0		70 (56)	130 (148)	30 (20)
	Bromomethane	20	22.1	ug/Kg	111	5		40 (58)	160 (141)	30 (20)
	Chloroethane	20	20.4	ug/Kg	102	2		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	19.7	ug/Kg	99	2		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	0		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.7	ug/Kg	104	0		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	9		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	19.8	ug/Kg	99	1		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.3	ug/Kg	102	8		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	20.7	ug/Kg	104	16		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	22.1	ug/Kg	111	9		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	21.2	ug/Kg	106	3		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	2		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	18.6	ug/Kg	93	0		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	15		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.7	ug/Kg	104	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.9	ug/Kg	104	3		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	5		70 (80)	130 (127)	30 (20)
	Chloroform	20	21.1	ug/Kg	106	2		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.8	ug/Kg	104	1		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	19.1	ug/Kg	96	5		70 (77)	130 (123)	30 (20)
	Benzene	20	20.9	ug/Kg	104	0		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	4		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	22.2	ug/Kg	111	1		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.8	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	21.2	ug/Kg	106	2		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	99.1	ug/Kg	99	13		40 (70)	160 (135)	30 (20)
	Toluene	20	20.8	ug/Kg	104	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.4	ug/Kg	102	5		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.5	ug/Kg	103	3		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	21.4	ug/Kg	107	1		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	110	ug/Kg	110	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	21.9	ug/Kg	110	6		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	21.4	ug/Kg	107	6		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	24.8	ug/Kg	124	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	21.6	ug/Kg	108	2		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.5	ug/Kg	103	1		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	41.8	ug/Kg	104	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	20.7	ug/Kg	104	1		70 (83)	130 (123)	30 (20)
	Styrene	20	21.2	ug/Kg	106	4		70 (82)	130 (124)	30 (20)
	Bromoform	20	22.5	ug/Kg	113	10		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	20.3	ug/Kg	102	1		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	19.3	ug/Kg	97	7		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	21.2	ug/Kg	106	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	21.1	ug/Kg	106	2		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	21.5	ug/Kg	108	3		70 (83)	130 (124)	30 (20)

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260D

Client: G Environmental **Datafile :** VY023217.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VY0828SBSD01	1,2-Dibromo-3-Chloropropane	20	20.8	ug/Kg	104	13		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	21.1	ug/Kg	106	7		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	21.1	ug/Kg	106	9		70 (70)	130 (137)	30 (20)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0828MBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087677.D Lab Sample ID: VN0828MBL01

Date Analyzed: 08/28/2025 Time Analyzed: 12:09

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

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN0828MBS01	VN0828MBS01	VN087680.D	08/28/2025
RPXY1R	Q2964-04	VN087689.D	08/28/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0829MBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087694.D Lab Sample ID: VN0829MBL01

Date Analyzed: 08/29/2025 Time Analyzed: 12:42

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
VN0829MBS01	VN0829MBS01	VN087696.D	08/29/2025
RPXY1RDL	Q2964-04DL	VN087698.D	08/29/2025

COMMENTS:

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VOLATILE METHOD BLANK SUMMARY

Client ID: VY0828SBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VY023215.D Lab Sample ID: VY0828SBL01

Date Analyzed: 08/28/2025 Time Analyzed: 10:02

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
VY0828SBS01	VY0828SBS01	VY023216.D	08/28/2025
VY0828SBSD01	VY0828SBSD01	VY023217.D	08/28/2025
RBBX4R	Q2964-01	VY023229.D	08/28/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

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.: Q2964

Lab File ID: VN087675.D | BFB Injection Date: 08/28/2025

Instrument ID: MSVOA_N | BFB Injection Time: 11:00

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	24.4
75	30.0 - 60.0% of mass 95	57.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.7 (1.1) 1
174	50.0 - 100.0% of mass 95	65.2
175	5.0 - 9.0% of mass 174	5.8 (8.8) 1
176	95.0 - 101.0% of mass 174	64.2 (98.5) 1
177	5.0 - 9.0% of mass 176	3.7 (5.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN087676.D	08/28/2025	11:33
VN0828MBL01	VN0828MBL01	VN087677.D	08/28/2025	12:09
VN0828MBS01	VN0828MBS01	VN087680.D	08/28/2025	13:24
RPXY1R	Q2964-04	VN087689.D	08/28/2025	16:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VN087692.D | BFB Injection Date: 08/29/2025

Instrument ID: MSVOA_N | BFB Injection Time: 11:32

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	24.8
75	30.0 - 60.0% of mass 95	59.3
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	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	73.1
175	5.0 - 9.0% of mass 174	6.1 (8.4) 1
176	95.0 - 101.0% of mass 174	71.7 (98.1) 1
177	5.0 - 9.0% of mass 176	4.5 (6.3) 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	VN087693.D	08/29/2025	12:05
VN0829MBL01	VN0829MBL01	VN087694.D	08/29/2025	12:42
VN0829MBS01	VN0829MBS01	VN087696.D	08/29/2025	13:24
RPXY1RDL	Q2964-04DL	VN087698.D	08/29/2025	14:18

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VY023048.D | BFB Injection Date: 08/12/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 08:26

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	19.2
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	6.8
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	83.2
175	5.0 - 9.0% of mass 174	6.3 (7.6) 1
176	95.0 - 101.0% of mass 174	80.9 (97.2) 1
177	5.0 - 9.0% of mass 176	5.1 (6.4) 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	VY023050.D	08/12/2025	14:54
VSTDICC010	VSTDICC010	VY023051.D	08/12/2025	15:17
VSTDICC020	VSTDICC020	VY023052.D	08/12/2025	15:40
VSTDICCC050	VSTDICCC050	VY023053.D	08/12/2025	16:02
VSTDICC100	VSTDICC100	VY023054.D	08/12/2025	16:25
VSTDICC150	VSTDICC150	VY023055.D	08/12/2025	16:47

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VY023213.D | BFB Injection Date: 08/28/2025

Instrument ID: MSVOA_Y | BFB Injection Time: 07:57

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	50.3
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
174	50.0 - 100.0% of mass 95	91.8
175	5.0 - 9.0% of mass 174	6.9 (7.5) 1
176	95.0 - 101.0% of mass 174	87.5 (95.3) 1
177	5.0 - 9.0% of mass 176	5.7 (6.5) 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	VY023214.D	08/28/2025	09:03
VY0828SBL01	VY0828SBL01	VY023215.D	08/28/2025	10:02
VY0828SBS01	VY0828SBS01	VY023216.D	08/28/2025	10:58
VY0828SBSD01	VY0828SBSD01	VY023217.D	08/28/2025	11:20
RBBX4R	Q2964-01	VY023229.D	08/28/2025	16:15

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087676.D Date Analyzed: 08/28/2025

Instrument ID: MSVOA_N Time Analyzed: 11:33

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	200815	8.21	393512	9.08	367312	11.85
UPPER LIMIT	401630	8.706	787024	9.583	734624	12.347
LOWER LIMIT	100408	7.706	196756	8.583	183656	11.347
EPA SAMPLE NO.						
RPXY1R	148628	8.21	339597	9.08	324921	11.85
VN0828MBL01	165959	8.21	389198	9.08	354647	11.85
VN0828MBS01	211485	8.21	408603	9.08	370187	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.: Q2964

Lab File ID: VN087676.D Date Analyzed: 08/28/2025

Instrument ID: MSVOA_N Time Analyzed: 11:33

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

	IS4 AREA #	RT #				
12 HOUR STD	185443	13.771				
UPPER LIMIT	370886	14.271				
LOWER LIMIT	92721.5	13.271				
EPA SAMPLE NO.						
RPXY1R	157594	13.77				
VN0828MBL01	163207	13.77				
VN0828MBS01	186353	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.: Q2964

Lab File ID: VN087693.D Date Analyzed: 08/29/2025

Instrument ID: MSVOA_N Time Analyzed: 12:05

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	191520	8.21	371305	9.08	364439	11.85
UPPER LIMIT	383040	8.706	742610	9.583	728878	12.347
LOWER LIMIT	95760	7.706	185653	8.583	182220	11.347
EPA SAMPLE NO.						
RPXY1RDL	144470	8.21	341905	9.08	313398	11.85
VN0829MBL01	149197	8.21	346944	9.08	324171	11.85
VN0829MBS01	188928	8.21	373365	9.08	351090	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.: Q2964

Lab File ID: VN087693.D Date Analyzed: 08/29/2025

Instrument ID: MSVOA_N Time Analyzed: 12:05

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

	IS4 AREA #	RT #				
12 HOUR STD	186778	13.77				
UPPER LIMIT	373556	14.27				
LOWER LIMIT	93389	13.27				
EPA SAMPLE NO.						
RPXY1RDL	145966	13.77				
VN0829MBL01	144779	13.77				
VN0829MBS01	178354	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.: Q2964

Lab File ID: VY023214.D Date Analyzed: 08/28/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:03

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	542406	7.71	816314	8.62	700282	11.42
UPPER LIMIT	1084810	8.213	1632630	9.116	1400560	11.92
LOWER LIMIT	271203	7.213	408157	8.116	350141	10.92
EPA SAMPLE NO.						
RBBX4R	536714	7.71	1037130	8.62	1043264	11.41
VY0828SBL01	694700	7.71	1286727	8.62	1122725	11.42
VY0828SBS01	498098	7.71	773362	8.62	674652	11.42
VY0828SBSD01	479921	7.71	762688	8.62	660180	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.: Q2964

Lab File ID: VY023214.D Date Analyzed: 08/28/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:03

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

	IS4 AREA #	RT #				
12 HOUR STD	350311	13.347				
UPPER LIMIT	700622	13.847				
LOWER LIMIT	175156	12.847				
EPA SAMPLE NO.						
RBBX4R	449321	13.35				
VY0828SBL01	442680	13.35				
VY0828SBS01	338228	13.35				
VY0828SBSD01	335118	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

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBL01	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
VN087677.D	1	08/28/25 12:09	VN082825

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

Raw Data: **VN087677.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBL01	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
VN087677.D	1	08/28/25 12:09	VN082825

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	55.2		70 (63) - 130 (155)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.1		70 (17) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	166000	8.206			
540-36-3	1,4-Difluorobenzene	389000	9.082			
3114-55-4	Chlorobenzene-d5	355000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBL01	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
VN087677.D	1	08/28/25 12:09	VN082825

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:	Buff	Date Received:	
Client Sample ID:	VN0829MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBL01	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
VN087694.D	1	08/29/25 12:42	VN082925

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

Raw Data: **VN087694.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0829MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBL01	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
VN087694.D	1	08/29/25 12:42	VN082925

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	55.5		70 (63) - 130 (155)	111%	SPK: 50
1868-53-7	Dibromofluoromethane	50.9		70 (70) - 130 (134)	102%	SPK: 50
2037-26-5	Toluene-d8	49.2		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.9		70 (17) - 130 (146)	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	149000	8.206			
540-36-3	1,4-Difluorobenzene	347000	9.082			
3114-55-4	Chlorobenzene-d5	324000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	145000	13.77			

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0829MBL01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBL01	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
VN087694.D	1	08/29/25 12:42	VN082925

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:	Buff	Date Received:	
Client Sample ID:	VY0828SBL01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBL01	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
VY023215.D	1	08/28/25 10:02	VY082825

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

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0828SBL01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBL01	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
VY023215.D	1	08/28/25 10:02	VY082825

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	51.1		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8		70 (70) - 130 (134)	104%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.3		70 (17) - 130 (146)	91%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	695000	7.713			
540-36-3	1,4-Difluorobenzene	1290000	8.616			
3114-55-4	Chlorobenzene-d5	1120000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	443000	13.346			

Raw Data: **VY023215.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0828SBL01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBL01	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
VY023215.D	1	08/28/25 10:02	VY082825

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: **VN087680.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBS01	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
VN087680.D	1	08/28/25 13:24	VN082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	2000		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	1900		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1900		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	8200		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1700		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1900		150	500	ug/Kg
75-09-2	Methylene Chloride	1800		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1700		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1700		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	8800		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1900		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1700		75.0	500	ug/Kg
74-97-5	Bromochloromethane	1800		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1800		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1700		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1700		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1700		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1800		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9300		360	2500	ug/Kg
108-88-3	Toluene	1700		78.0	500	ug/Kg

Raw Data: **VN087680.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBS01	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
VN087680.D	1	08/28/25 13:24	VN082825

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	1800		92.0	500	ug/Kg
591-78-6	2-Hexanone	9100		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1700		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1800		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1700		110	500	ug/Kg
108-90-7	Chlorobenzene	1700		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3600		120	1000	ug/Kg
95-47-6	o-Xylene	1800		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1800		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1800		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1800		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.9		70 (63) - 130 (155)	94%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (74) - 130 (123)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	211000	8.206			
540-36-3	1,4-Difluorobenzene	409000	9.082			
3114-55-4	Chlorobenzene-d5	370000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	186000	13.77			

Raw Data: **VN087680.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0828MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0828MBS01	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
VN087680.D	1	08/28/25 13:24	VN082825

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:	Buff	Date Received:	
Client Sample ID:	VN0829MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBS01	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
VN087696.D	1	08/29/25 13:24	VN082925

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900		110	500	ug/Kg
74-87-3	Chloromethane	2000		110	500	ug/Kg
75-01-4	Vinyl Chloride	1900		79.0	500	ug/Kg
74-83-9	Bromomethane	2000		110	500	ug/Kg
75-00-3	Chloroethane	1900		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1900		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	9300		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		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	1800		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1700		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1600		79.0	500	ug/Kg
78-93-3	2-Butanone	9300		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1800		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2000		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	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1700		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1900		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	9600		360	2500	ug/Kg
108-88-3	Toluene	1800		78.0	500	ug/Kg

Raw Data: **VN087696.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0829MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBS01	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
VN087696.D	1	08/29/25 13:24	VN082925

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	9600		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1800		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1900		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1700		110	500	ug/Kg
108-90-7	Chlorobenzene	1800		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	1800		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1700		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1800		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1600		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		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	47.0		70 (70) - 130 (134)	94%	SPK: 50
2037-26-5	Toluene-d8	45.7		70 (74) - 130 (123)	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.2		70 (17) - 130 (146)	92%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	189000	8.206			
540-36-3	1,4-Difluorobenzene	373000	9.083			
3114-55-4	Chlorobenzene-d5	351000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	178000	13.771			

Raw Data: **VN087696.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VN0829MBS01	SDG No.:	Q2964
Lab Sample ID:	VN0829MBS01	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
VN087696.D	1	08/29/25 13:24	VN082925

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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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0828SBS01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBS01	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
VY023216.D	1	08/28/25 10:58	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.0		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.5		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.3		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.4		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.9		1.00	5.00	ug/Kg
67-64-1	Acetone	110		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	19.6		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	18.7		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.8		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	20.2		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.5		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.0		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.5		0.79	5.00	ug/Kg
78-93-3	2-Butanone	94.7		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	21.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.2		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	19.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.6		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.8		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	19.8		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.3		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.7		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	86.9		3.60	25.0	ug/Kg
108-88-3	Toluene	21.0		0.78	5.00	ug/Kg

Raw Data: **VY023216.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:	Buff	Date Received:	
Client Sample ID:	VY0828SBS01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBS01	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
VY023216.D	1	08/28/25 10:58	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.9		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	91.9		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.7		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.2		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.4		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.4		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.5		0.82	5.00	ug/Kg
100-42-5	Styrene	20.4		0.71	5.00	ug/Kg
75-25-2	Bromoform	20.4		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.6		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.0		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.8		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.9		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.4		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	44.6		70 (63) - 130 (155)	89%	SPK: 50
1868-53-7	Dibromofluoromethane	48.6		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	48.1		70 (74) - 130 (123)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.7		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	498000	7.713			
540-36-3	1,4-Difluorobenzene	773000	8.616			
3114-55-4	Chlorobenzene-d5	675000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	338000	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:	Buff	Date Received:	
Client Sample ID:	VY0828SBS01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBS01	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
VY023216.D	1	08/28/25 10:58	VY082825

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

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:	Buff	Date Received:	
Client Sample ID:	VY0828SBSD01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBSD01	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
VY023217.D	1	08/28/25 11:20	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.7		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.6		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	22.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.4		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.7		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.0		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.7		1.00	5.00	ug/Kg
67-64-1	Acetone	120		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	20.3		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	20.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	22.1		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	21.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	18.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.7		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	21.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.8		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	19.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.9		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	22.2		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.8		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	21.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	99.1		3.60	25.0	ug/Kg
108-88-3	Toluene	20.8		0.78	5.00	ug/Kg

Raw Data: **VY023217.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:	Buff	Date Received:	
Client Sample ID:	VY0828SBSD01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBSD01	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
VY023217.D	1	08/28/25 11:20	VY082825

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.4		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.5		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	21.4		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	110		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	21.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	21.4		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	24.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	21.6		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	41.8		1.20	10.0	ug/Kg
95-47-6	o-Xylene	20.7		0.82	5.00	ug/Kg
100-42-5	Styrene	21.2		0.71	5.00	ug/Kg
75-25-2	Bromoform	22.5		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.3		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	21.2		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	21.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	21.5		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.8		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	21.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	21.1		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.8		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	49.6		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		70 (74) - 130 (123)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.5		70 (17) - 130 (146)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	480000	7.713			
540-36-3	1,4-Difluorobenzene	763000	8.616			
3114-55-4	Chlorobenzene-d5	660000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	335000	13.347			

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:	Buff	Date Received:	
Client Sample ID:	VY0828SBSD01	SDG No.:	Q2964
Lab Sample ID:	VY0828SBSD01	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
VY023217.D	1	08/28/25 11:20	VY082825

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.: Q2964

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.

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.: Q2964

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.

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.: Q2964

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.487	0.463	0.460	0.348	0.337	0.354	0.408	16.8
Chloromethane	0.699	0.707	0.736	0.607	0.603	0.613	0.661	9
Vinyl Chloride	0.868	0.870	0.875	0.769	0.754	0.766	0.817	7.3
Bromomethane	0.673	0.638	0.653	0.540	0.576	0.581	0.610	8.5
Chloroethane	0.585	0.567	0.569	0.515	0.508	0.516	0.543	6.2
Trichlorofluoromethane	1.059	1.044	1.048	0.937	0.900	0.974	0.994	6.7
1,1,2-Trichlorotrifluoroethane	0.522	0.519	0.521	0.462	0.445	0.472	0.490	7
1,1-Dichloroethene	0.492	0.505	0.502	0.463	0.454	0.475	0.482	4.4
Acetone	0.110	0.111	0.106	0.103	0.094	0.096	0.103	6.9
Carbon Disulfide	1.656	1.663	1.662	1.491	1.453	1.501	1.571	6.3
Methyl tert-butyl Ether	1.181	1.268	1.296	1.236	1.202	1.308	1.249	4.1
Methyl Acetate	0.299	0.308	0.325	0.322	0.280	0.309	0.307	5.4
Methylene Chloride	0.861	0.706	0.606	0.510	0.511	0.524	0.620	22.7
trans-1,2-Dichloroethene	0.535	0.561	0.559	0.523	0.520	0.550	0.541	3.3
1,1-Dichloroethane	0.929	0.969	0.984	0.918	0.907	0.945	0.942	3.1
Cyclohexane	1.040	0.934	0.905	0.816	0.792	0.838	0.888	10.4
2-Butanone	0.135	0.152	0.143	0.142	0.129	0.142	0.140	5.5
Carbon Tetrachloride	0.490	0.486	0.505	0.466	0.466	0.484	0.483	3.1
cis-1,2-Dichloroethene	0.621	0.624	0.645	0.607	0.610	0.648	0.626	2.8
Bromochloromethane	0.367	0.379	0.393	0.365	0.367	0.371	0.374	2.9
Chloroform	0.969	0.997	1.002	0.943	0.936	0.981	0.971	2.8
1,1,1-Trichloroethane	0.862	0.877	0.899	0.837	0.833	0.864	0.862	2.8
Methylcyclohexane	0.574	0.579	0.605	0.566	0.575	0.614	0.586	3.3
Benzene	1.354	1.375	1.430	1.334	1.334	1.395	1.370	2.8
1,2-Dichloroethane	0.353	0.370	0.371	0.347	0.339	0.359	0.356	3.6
Trichloroethene	0.354	0.355	0.373	0.341	0.342	0.359	0.354	3.3
1,2-Dichloropropane	0.303	0.321	0.326	0.309	0.309	0.325	0.315	3.1
Bromodichloromethane	0.446	0.464	0.489	0.459	0.456	0.481	0.466	3.5
4-Methyl-2-Pentanone	0.168	0.201	0.200	0.199	0.190	0.211	0.195	7.7
Toluene	0.817	0.851	0.902	0.858	0.873	0.921	0.870	4.3

* 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.: Q2964

Instrument ID: MSVOA_Y Calibration Date(s): 08/12/2025 08/12/2025

Heated Purge: (Y/N) Y Calibration Time(s): 14:54 16:47

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

LAB FILE ID: RRF005 = VY023050.D RRF010 = VY023051.D RRF020 = VY023052.D
RRF050 = VY023053.D RRF100 = VY023054.D RRF150 = VY023055.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.377	0.410	0.435	0.420	0.428	0.459	0.422	6.5
cis-1,3-Dichloropropene	0.457	0.486	0.513	0.496	0.500	0.540	0.499	5.5
1,1,2-Trichloroethane	0.230	0.242	0.253	0.239	0.236	0.254	0.242	4
2-Hexanone	0.112	0.134	0.137	0.136	0.131	0.146	0.133	8.6
Dibromochloromethane	0.300	0.317	0.326	0.318	0.316	0.340	0.320	4.1
1,2-Dibromoethane	0.206	0.232	0.237	0.226	0.222	0.242	0.228	5.6
Tetrachloroethene	0.477	0.463	0.475	0.435	0.393	0.437	0.446	7.2
Chlorobenzene	1.062	1.070	1.116	1.055	1.057	1.111	1.079	2.6
Ethyl Benzene	1.775	1.795	1.894	1.859	1.858	1.956	1.856	3.6
m/p-Xylenes	0.676	0.699	0.745	0.718	0.737	0.774	0.725	4.8
o-Xylene	0.605	0.643	0.696	0.686	0.702	0.742	0.679	7.1
Styrene	0.945	1.023	1.140	1.123	1.176	1.254	1.110	10
Bromoform	0.197	0.213	0.216	0.214	0.213	0.231	0.214	5
Isopropylbenzene	3.420	3.483	3.602	3.505	3.514	3.650	3.529	2.4
1,1,2,2-Tetrachloroethane	0.584	0.647	0.605	0.585	0.581	0.613	0.603	4.2
1,3-Dichlorobenzene	1.600	1.642	1.701	1.610	1.656	1.752	1.660	3.5
1,4-Dichlorobenzene	1.687	1.657	1.680	1.601	1.597	1.660	1.647	2.3
1,2-Dichlorobenzene	1.410	1.472	1.496	1.420	1.438	1.499	1.456	2.7
1,2-Dibromo-3-Chloropropane	0.093	0.096	0.094	0.095	0.086	0.098	0.094	4.3
1,2,4-Trichlorobenzene	0.788	0.839	0.881	0.847	0.856	0.955	0.861	6.4
1,2,3-Trichlorobenzene	0.685	0.733	0.752	0.720	0.727	0.834	0.742	6.7
1,2-Dichloroethane-d4	0.491	0.490	0.482	0.462	0.472	0.462	0.477	2.7
Dibromofluoromethane	0.290	0.299	0.301	0.293	0.307	0.305	0.299	2.1
Toluene-d8	1.151	1.157	1.173	1.143	1.202	1.186	1.169	1.9
4-Bromofluorobenzene	0.358	0.367	0.367	0.370	0.399	0.394	0.376	4.4

* 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.: Q2964
Instrument ID: MSVOA_N
Calibration Date/Time: 08/28/2025 11:33
Lab File ID: VN087676.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	0.787		10.85	20
Chloromethane	0.730	0.784	0.1	7.4	20
Vinyl Chloride	0.846	0.895		5.79	20
Bromomethane	0.437	0.445		1.83	20
Chloroethane	0.595	0.615		3.36	20
Trichlorofluoromethane	1.240	1.363		9.92	20
1,1,2-Trichlorotrifluoroethane	0.701	0.722		3	20
1,1-Dichloroethene	0.721	0.723		0.28	20
Acetone	0.558	0.490		-12.19	20
Carbon Disulfide	1.985	1.917		-3.43	20
Methyl tert-butyl Ether	2.704	2.738		1.26	20
Methyl Acetate	1.168	1.310		12.16	20
Methylene Chloride	0.948	0.824		-13.08	20
trans-1,2-Dichloroethene	0.781	0.749		-4.1	20
1,1-Dichloroethane	1.546	1.521	0.1	-1.62	20
Cyclohexane	1.289	1.258		-2.4	20
2-Butanone	0.734	0.708		-3.54	20
Carbon Tetrachloride	0.547	0.582		6.4	20
cis-1,2-Dichloroethene	0.934	0.914		-2.14	20
Bromochloromethane	0.747	0.756		1.21	20
Chloroform	1.578	1.618		2.54	20
1,1,1-Trichloroethane	1.337	1.361		1.79	20
Methylcyclohexane	0.610	0.595		-2.46	20
Benzene	1.699	1.741		2.47	20
1,2-Dichloroethane	0.653	0.669		2.45	20
Trichloroethene	0.388	0.381		-1.8	20
1,2-Dichloropropane	0.448	0.442		-1.34	20
Bromodichloromethane	0.653	0.672		2.91	20
4-Methyl-2-Pentanone	0.713	0.762		6.87	20
Toluene	1.053	1.088		3.32	20
t-1,3-Dichloropropene	0.676	0.619		-8.43	20
cis-1,3-Dichloropropene	0.702	0.647		-7.84	20
1,1,2-Trichloroethane	0.407	0.421		3.44	20
2-Hexanone	0.451	0.516		14.41	20
Dibromochloromethane	0.472	0.483		2.33	20
1,2-Dibromoethane	0.430	0.437		1.63	20
Tetrachloroethene	0.347	0.359		3.46	20
Chlorobenzene	1.244	1.243	0.3	-0.08	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.: Q2964
Instrument ID: MSVOA_N
Calibration Date/Time: 08/28/2025 11:33
Lab File ID: VN087676.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	2.227		3.39	20
m/p-Xylenes	0.790	0.822		4.05	20
o-Xylene	0.774	0.802		3.62	20
Styrene	1.297	1.409		8.64	20
Bromoform	0.317	0.333	0.1	5.05	20
Isopropylbenzene	4.040	4.142		2.53	20
1,1,2,2-Tetrachloroethane	1.391	1.429	0.3	2.73	20
1,3-Dichlorobenzene	1.876	1.887		0.59	20
1,4-Dichlorobenzene	1.952	1.924		-1.43	20
1,2-Dichlorobenzene	1.780	1.815		1.97	20
1,2-Dibromo-3-Chloropropane	0.330	0.323		-2.12	20
1,2,4-Trichlorobenzene	1.069	1.042		-2.53	20
1,2,3-Trichlorobenzene	1.045	1.021		-2.3	20
1,2-Dichloroethane-d4	1.024	1.110		8.4	20
Dibromofluoromethane	0.361	0.399		10.53	20
Toluene-d8	1.351	1.482		9.7	20
4-Bromofluorobenzene	0.481	0.534		11.02	20

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

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_N
Calibration Date/Time: 08/29/2025 12:05
Lab File ID: VN087693.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	0.697		-1.83	20
Chloromethane	0.730	0.732	0.1	0.27	20
Vinyl Chloride	0.846	0.837		-1.06	20
Bromomethane	0.437	0.424		-2.97	20
Chloroethane	0.595	0.582		-2.18	20
Trichlorofluoromethane	1.240	1.260		1.61	20
1,1,2-Trichlorotrifluoroethane	0.701	0.684		-2.42	20
1,1-Dichloroethene	0.721	0.684		-5.13	20
Acetone	0.558	0.492		-11.83	20
Carbon Disulfide	1.985	1.750		-11.84	20
Methyl tert-butyl Ether	2.704	2.689		-0.56	20
Methyl Acetate	1.168	1.232		5.48	20
Methylene Chloride	0.948	0.821		-13.4	20
trans-1,2-Dichloroethene	0.781	0.727		-6.91	20
1,1-Dichloroethane	1.546	1.478	0.1	-4.4	20
Cyclohexane	1.289	1.175		-8.84	20
2-Butanone	0.734	0.702		-4.36	20
Carbon Tetrachloride	0.547	0.537		-1.83	20
cis-1,2-Dichloroethene	0.934	0.898		-3.85	20
Bromochloromethane	0.747	0.738		-1.21	20
Chloroform	1.578	1.619		2.6	20
1,1,1-Trichloroethane	1.337	1.295		-3.14	20
Methylcyclohexane	0.610	0.556		-8.85	20
Benzene	1.699	1.684		-0.88	20
1,2-Dichloroethane	0.653	0.648		-0.77	20
Trichloroethene	0.388	0.375		-3.35	20
1,2-Dichloropropane	0.448	0.445		-0.67	20
Bromodichloromethane	0.653	0.664		1.68	20
4-Methyl-2-Pentanone	0.713	0.757		6.17	20
Toluene	1.053	1.042		-1.04	20
t-1,3-Dichloropropene	0.676	0.678		0.3	20
cis-1,3-Dichloropropene	0.702	0.706		0.57	20
1,1,2-Trichloroethane	0.407	0.421		3.44	20
2-Hexanone	0.451	0.513		13.75	20
Dibromochloromethane	0.472	0.492		4.24	20
1,2-Dibromoethane	0.430	0.441		2.56	20
Tetrachloroethene	0.347	0.305		-12.1	20
Chlorobenzene	1.244	1.162	0.3	-6.59	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG No.: Q2964

Instrument ID: MSVOA_N Calibration Date/Time: 08/29/2025 12:05

Lab File ID: VN087693.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	2.070		-3.9	20
m/p-Xylenes	0.790	0.774		-2.03	20
o-Xylene	0.774	0.770		-0.52	20
Styrene	1.297	1.323		2.01	20
Bromoform	0.317	0.328	0.1	3.47	20
Isopropylbenzene	4.040	3.792		-6.14	20
1,1,2,2-Tetrachloroethane	1.391	1.350	0.3	-2.95	20
1,3-Dichlorobenzene	1.876	1.769		-5.7	20
1,4-Dichlorobenzene	1.952	1.822		-6.66	20
1,2-Dichlorobenzene	1.780	1.695		-4.78	20
1,2-Dibromo-3-Chloropropane	0.330	0.310		-6.06	20
1,2,4-Trichlorobenzene	1.069	0.996		-6.83	20
1,2,3-Trichlorobenzene	1.045	0.964		-7.75	20
1,2-Dichloroethane-d4	1.024	0.989		-3.42	20
Dibromofluoromethane	0.361	0.357		-1.11	20
Toluene-d8	1.351	1.329		-1.63	20
4-Bromofluorobenzene	0.481	0.486		1.04	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/28/2025 09:03
Lab File ID: VY023214.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.408	0.349		-14.46	20
Chloromethane	0.661	0.544	0.1	-17.7	20
Vinyl Chloride	0.817	0.717		-12.24	20
Bromomethane	0.610	0.544		-10.82	20
Chloroethane	0.543	0.495		-8.84	20
Trichlorofluoromethane	0.994	0.932		-6.24	20
1,1,2-Trichlorotrifluoroethane	0.490	0.499		1.84	20
1,1-Dichloroethene	0.482	0.487		1.04	20
Acetone	0.103	0.105		1.94	20
Carbon Disulfide	1.571	1.438		-8.47	20
Methyl tert-butyl Ether	1.249	1.164		-6.8	20
Methyl Acetate	0.307	0.254		-17.26	20
Methylene Chloride	0.620	0.526		-15.16	20
trans-1,2-Dichloroethene	0.541	0.545		0.74	20
1,1-Dichloroethane	0.942	0.919	0.1	-2.44	20
Cyclohexane	0.888	0.797		-10.25	20
2-Butanone	0.140	0.127		-9.29	20
Carbon Tetrachloride	0.483	0.527		9.11	20
cis-1,2-Dichloroethene	0.626	0.636		1.6	20
Bromochloromethane	0.374	0.326		-12.83	20
Chloroform	0.971	0.966		-0.51	20
1,1,1-Trichloroethane	0.862	0.880		2.09	20
Methylcyclohexane	0.586	0.615		4.95	20
Benzene	1.370	1.434		4.67	20
1,2-Dichloroethane	0.356	0.349		-1.97	20
Trichloroethene	0.354	0.398		12.43	20
1,2-Dichloropropane	0.315	0.323		2.54	20
Bromodichloromethane	0.466	0.483		3.65	20
4-Methyl-2-Pentanone	0.195	0.181		-7.18	20
Toluene	0.870	0.941		8.16	20
t-1,3-Dichloropropene	0.422	0.435		3.08	20
cis-1,3-Dichloropropene	0.499	0.515		3.21	20
1,1,2-Trichloroethane	0.242	0.249		2.89	20
2-Hexanone	0.133	0.128		-3.76	20
Dibromochloromethane	0.320	0.340		6.25	20
1,2-Dibromoethane	0.228	0.235		3.07	20
Tetrachloroethene	0.446	0.563		26.23	20
Chlorobenzene	1.079	1.176	0.3	8.99	20

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_Y
Calibration Date/Time: 08/28/2025 09:03
Lab File ID: VY023214.D
Init. Calib. Date(s): 08/12/2025 08/12/2025
Heated Purge: (Y/N) Y
Init. Calib. Time(s): 14:54 16:47
GC Column: RXI-624 ID: 0.25 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.856	2.037		9.75	20
m/p-Xylenes	0.725	0.809		11.59	20
o-Xylene	0.679	0.760		11.93	20
Styrene	1.110	1.252		12.79	20
Bromoform	0.214	0.234	0.1	9.35	20
Isopropylbenzene	3.529	4.002		13.4	20
1,1,2,2-Tetrachloroethane	0.603	0.554	0.3	-8.13	20
1,3-Dichlorobenzene	1.660	1.842		10.96	20
1,4-Dichlorobenzene	1.647	1.804		9.53	20
1,2-Dichlorobenzene	1.456	1.593		9.41	20
1,2-Dibromo-3-Chloropropane	0.094	0.087		-7.45	20
1,2,4-Trichlorobenzene	0.861	0.919		6.74	20
1,2,3-Trichlorobenzene	0.742	0.779		4.99	20
1,2-Dichloroethane-d4	0.477	0.403		-15.51	20
Dibromofluoromethane	0.299	0.288		-3.68	20
Toluene-d8	1.169	1.129		-3.42	20
4-Bromofluorobenzene	0.376	0.356		-5.32	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\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Quant Time: Aug 29 02:12:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

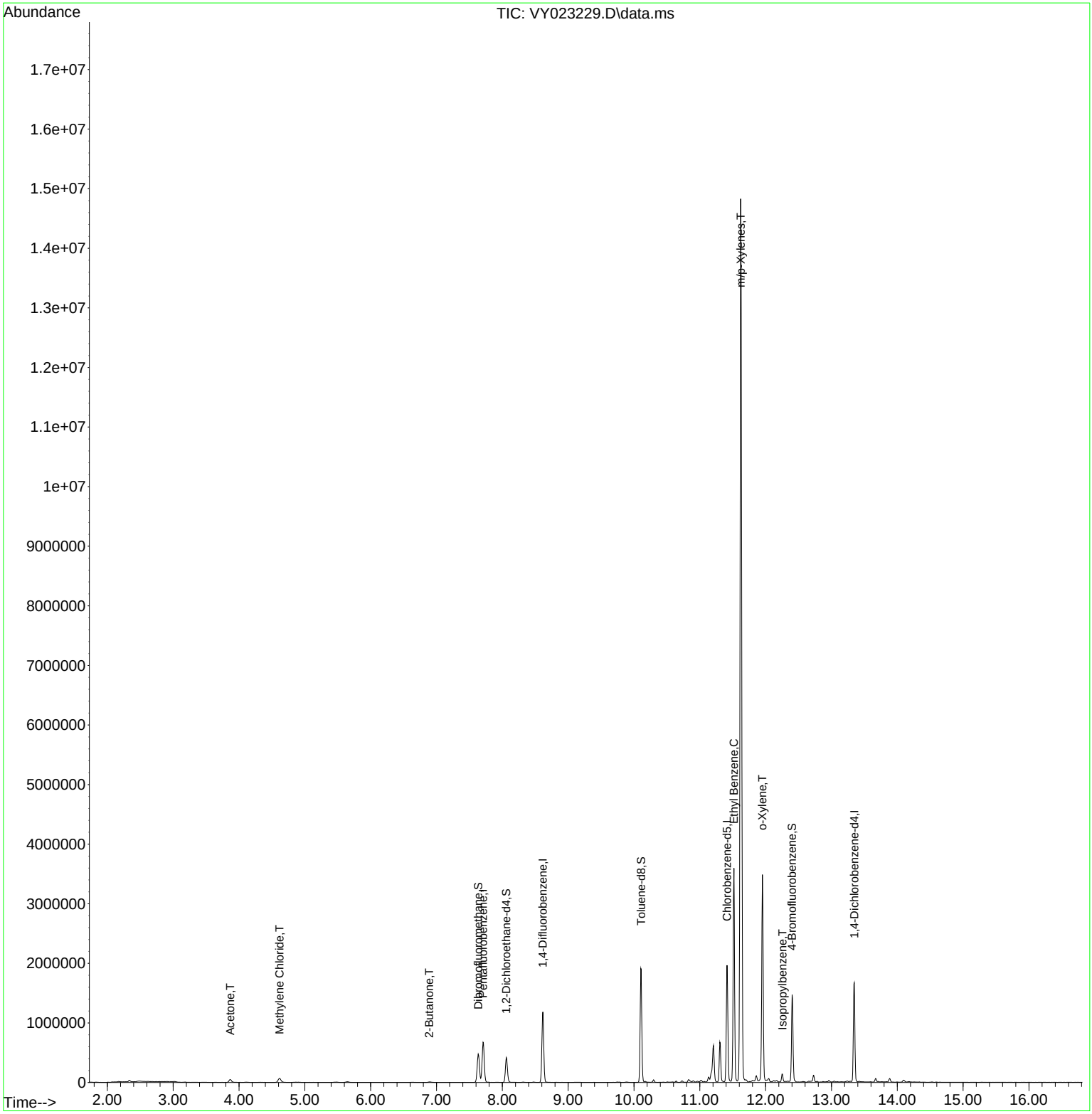
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	536714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1037130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1043264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	449321	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	321088	62.771	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 125.540%			
35) Dibromofluoromethane	7.634	113	343955	55.424	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 110.840%			
50) Toluene-d8	10.109	98	1280473	52.817	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 105.640%			
62) 4-Bromofluorobenzene	12.401	95	434029	55.668	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 111.340%			
Target Compounds						Qvalue
16) Acetone	3.866	43	83271	75.141	ug/l	98
20) Methylene Chloride	4.616	84	54154	7.071	ug/l	94
25) 2-Butanone	6.890	43	11150	7.398	ug/l	98
67) Ethyl Benzene	11.518	91	2388519	61.677	ug/l	98
68) m/p-Xylenes	11.621	106	4347804	287.460	ug/l	93
69) o-Xylene	11.950	106	908406	64.126	ug/l	99
73) Isopropylbenzene	12.255	105	85272	2.689	ug/l	99

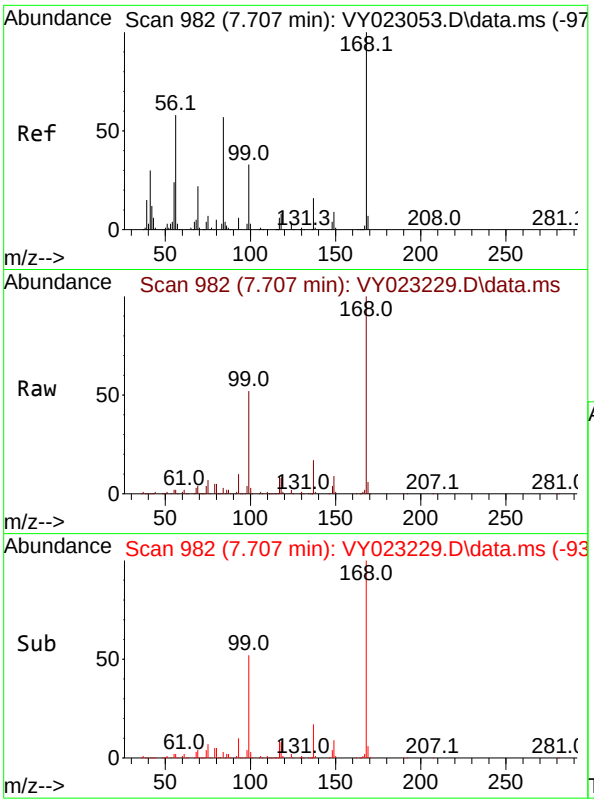
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Quant Time: Aug 29 02:12:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



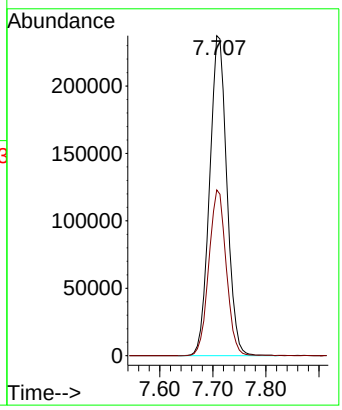


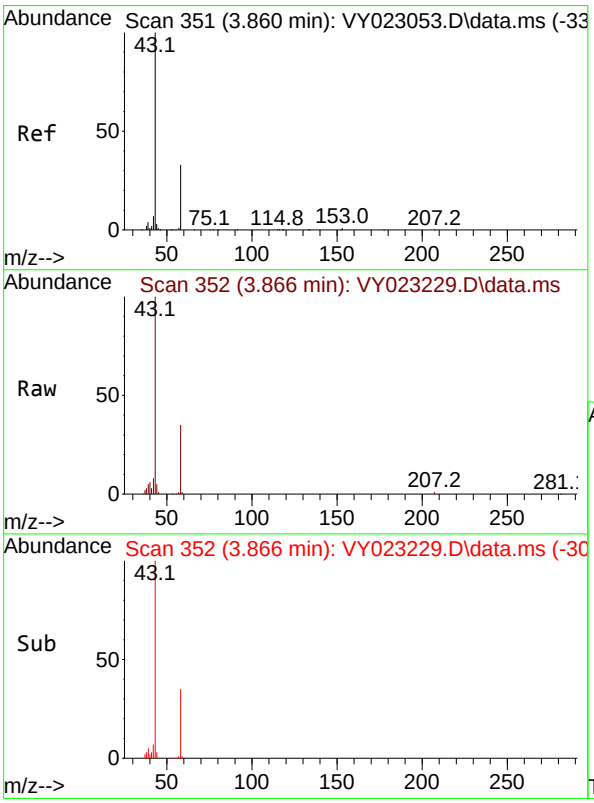
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:168 Resp: 536714

Ion	Ratio	Lower	Upper
168	100		
99	51.8	42.8	64.2

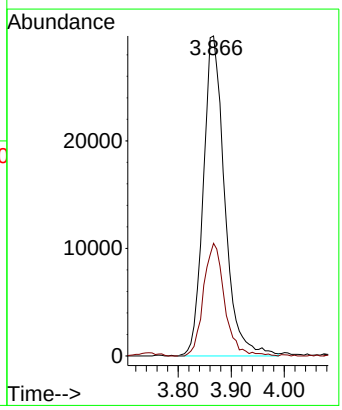


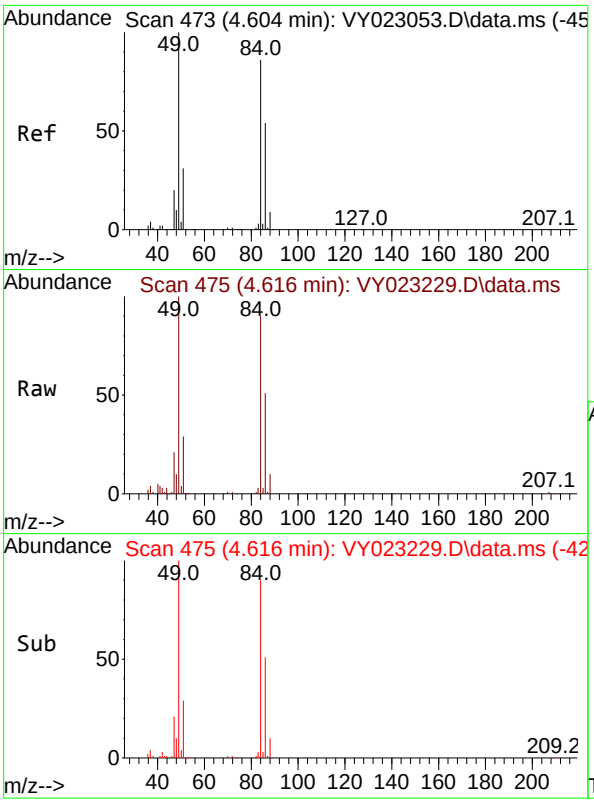


#16
Acetone
Concen: 75.141 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 43 Resp: 83271

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7



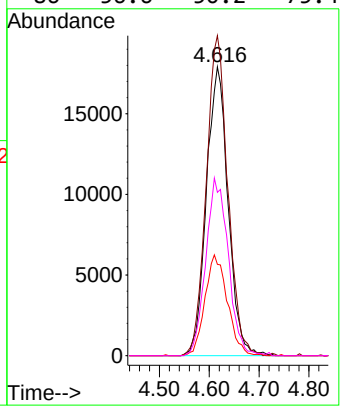


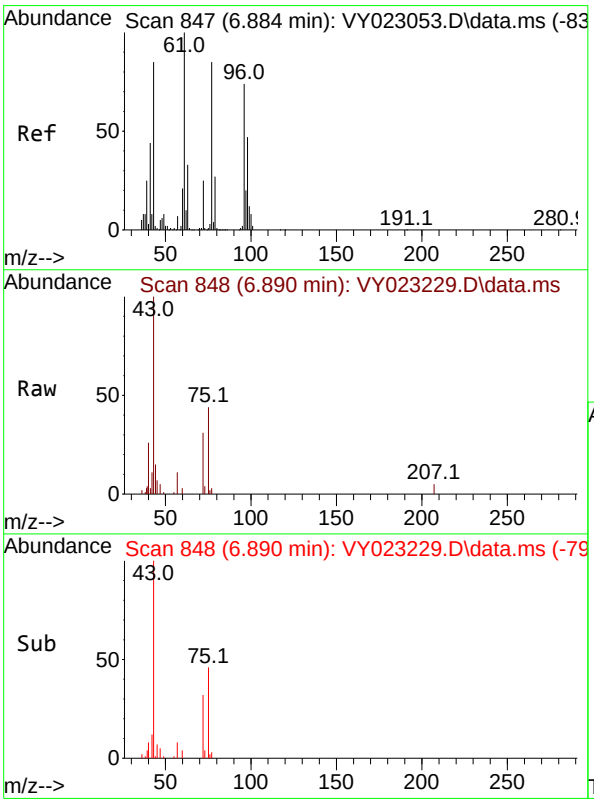
#20
Methylene Chloride
Concen: 7.071 ug/l
RT: 4.616 min Scan# 4
Delta R.T. 0.012 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 84 Resp: 54154

Ion	Ratio	Lower	Upper
84	100		
49	110.8	93.0	139.6
51	31.7	29.0	43.4
86	56.6	50.2	75.4

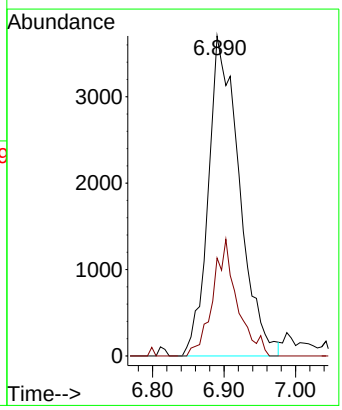


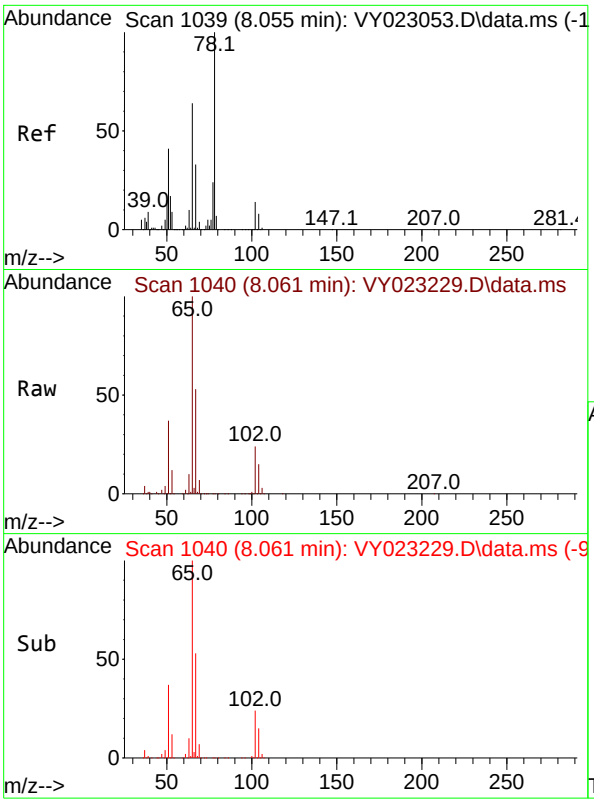


#25
2-Butanone
Concen: 7.398 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 43 Resp: 11150

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.5	35.3



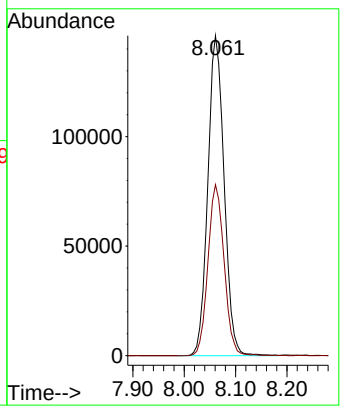


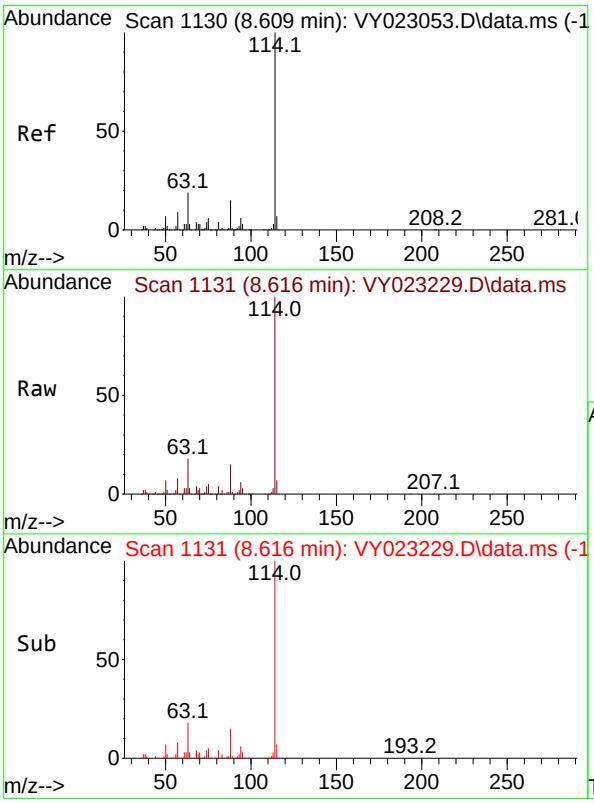
#33
1,2-Dichloroethane-d4
Concen: 62.771 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 65 Resp: 321088

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

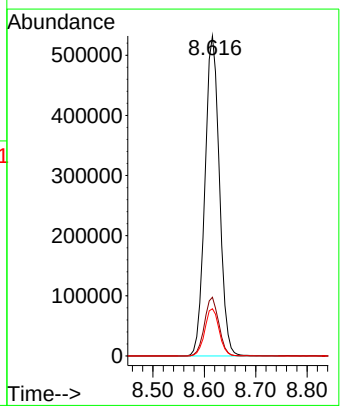


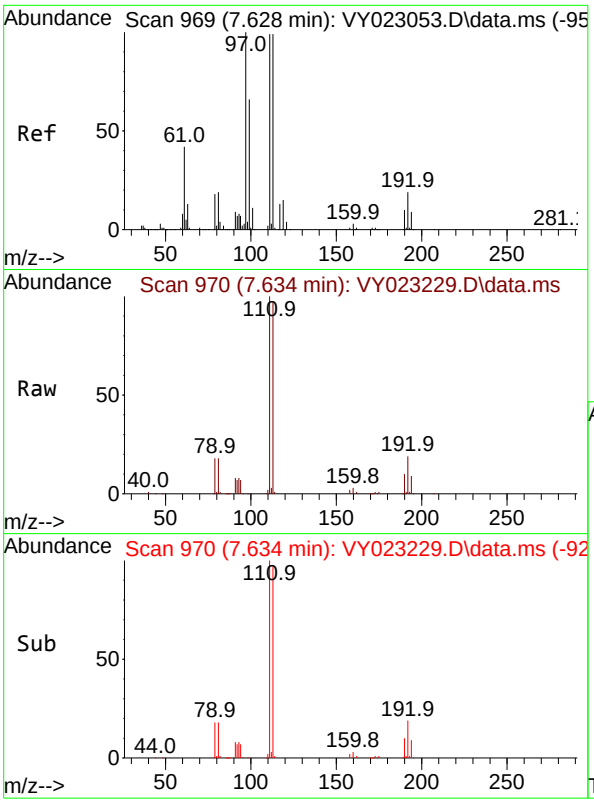


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:114 Resp: 1037130

Ion	Ratio	Lower	Upper
114	100		
63	18.4	0.0	38.4
88	14.7	0.0	30.0



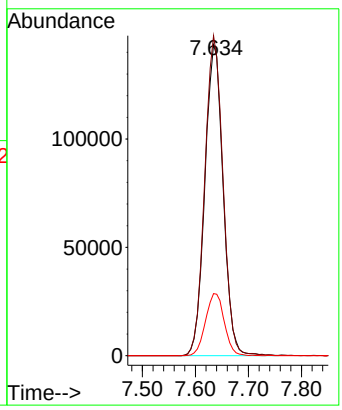


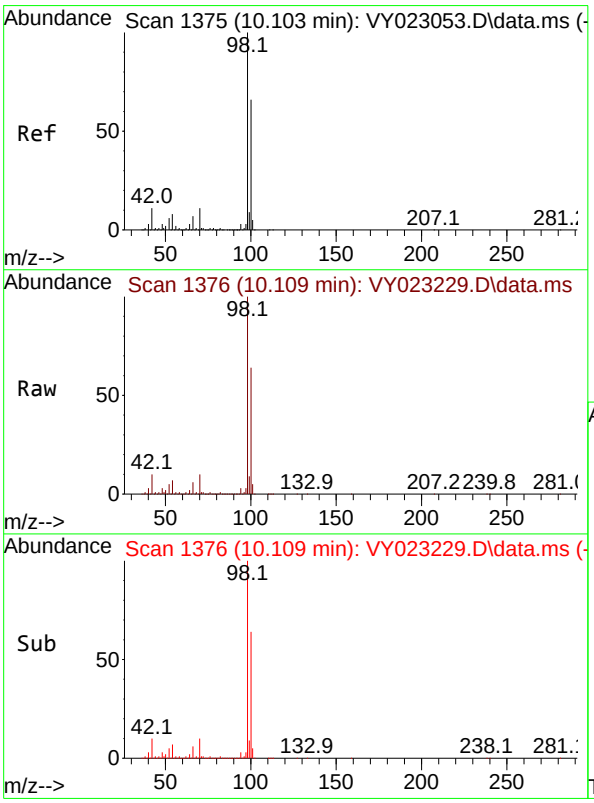
#35
Dibromofluoromethane
Concen: 55.424 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:113 Resp: 343955

Ion	Ratio	Lower	Upper
113	100		
111	102.9	81.1	121.7
192	20.5	16.2	24.4

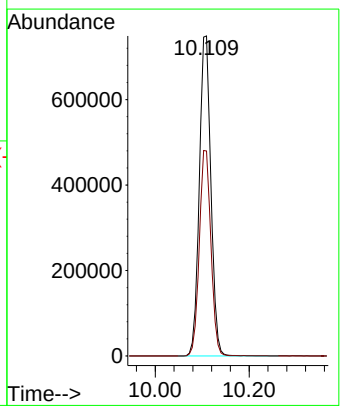


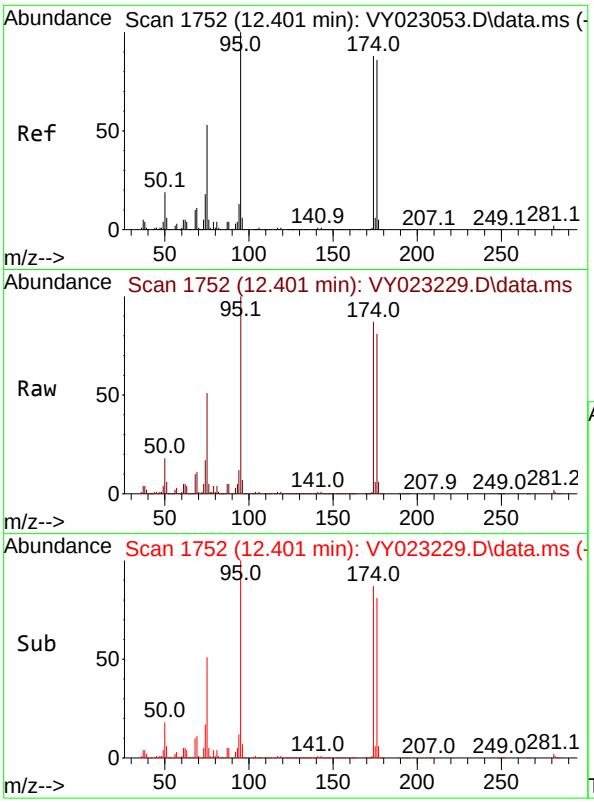


#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 98 Resp: 1280473

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5



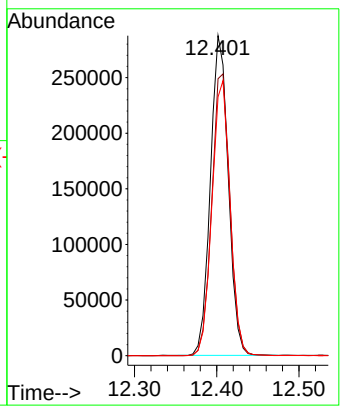


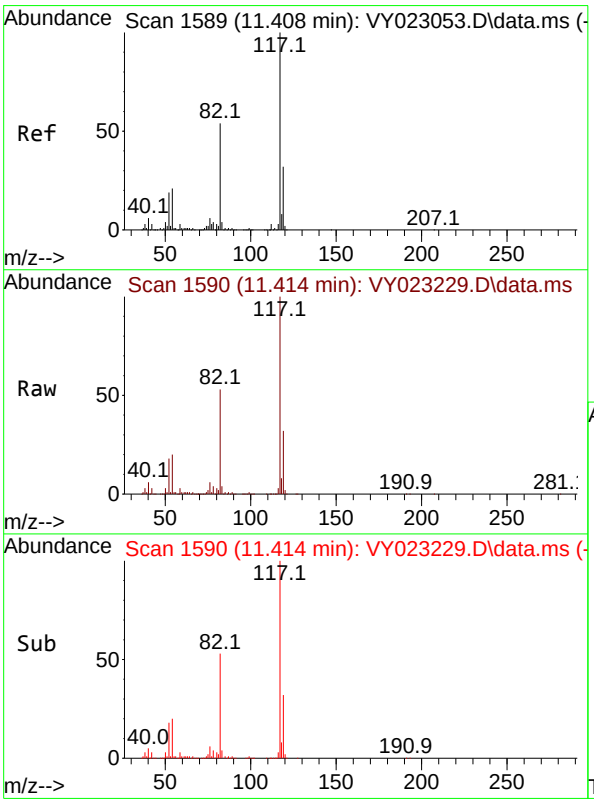
#62
4-Bromofluorobenzene
Concen: 55.668 ug/l
RT: 12.401 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 95 Resp: 434029

Ion	Ratio	Lower	Upper
95	100		
174	90.1	0.0	171.6
176	87.3	0.0	167.6

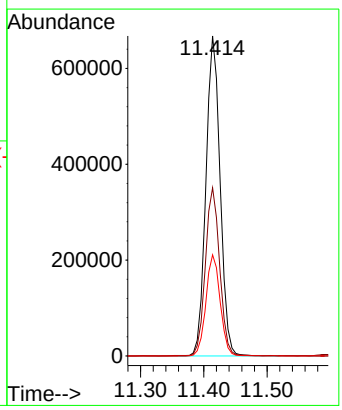


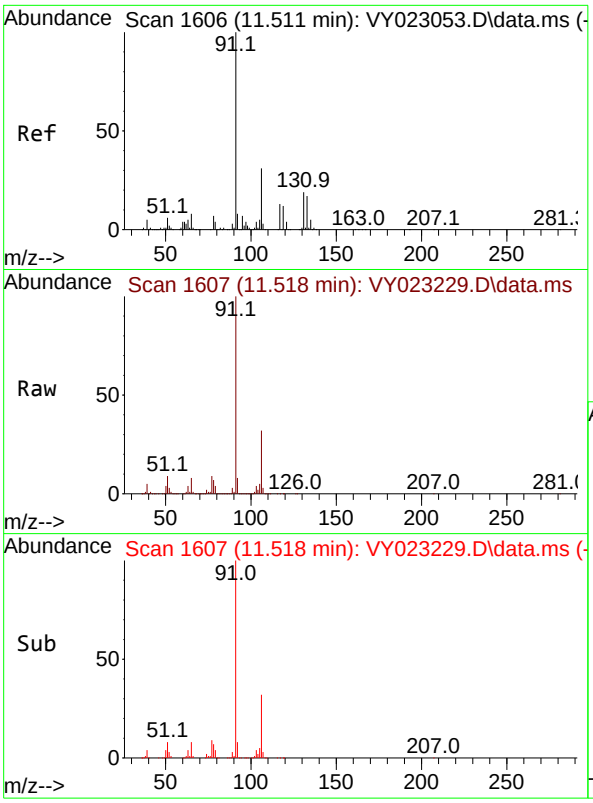


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:117 Resp: 1043264

Ion	Ratio	Lower	Upper
117	100		
82	52.5	43.4	65.0
119	31.6	25.6	38.4



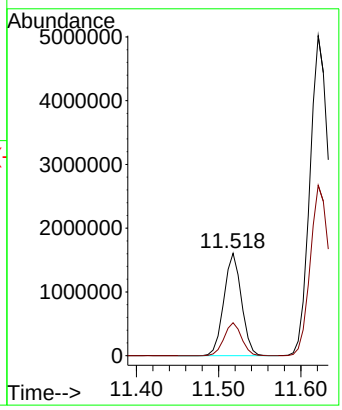


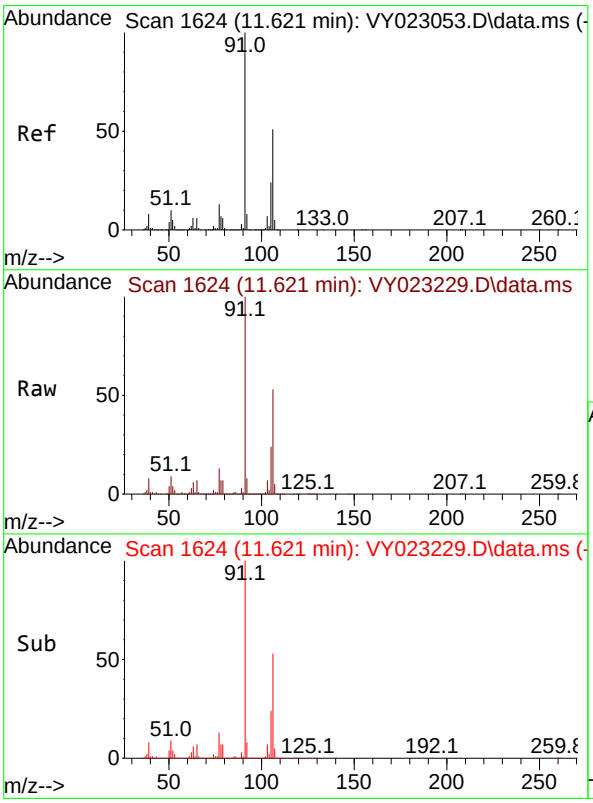
#67
Ethyl Benzene
Concen: 61.677 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 91 Resp: 2388519

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4

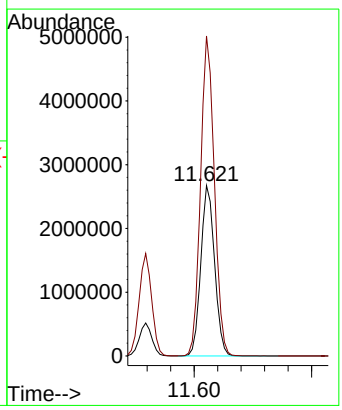


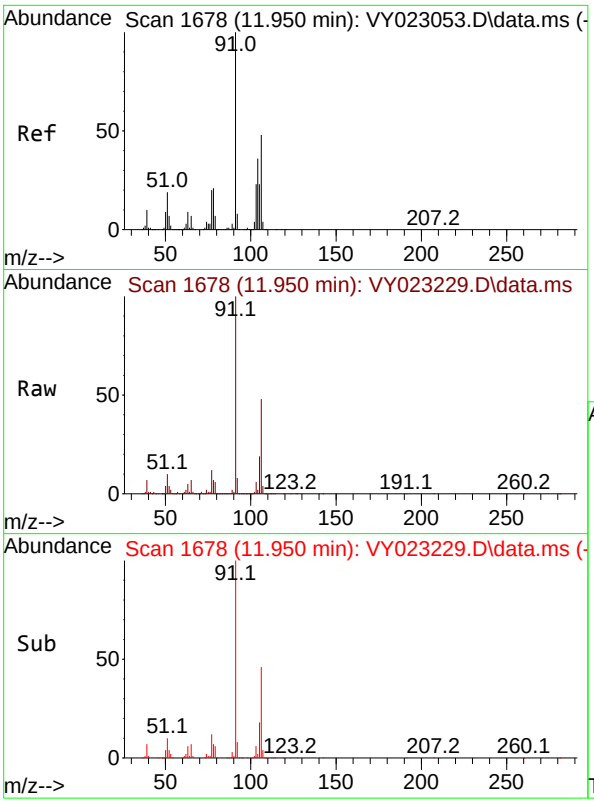


#68
m/p-Xylenes
Concen: 287.460 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:106 Resp: 4347804

Ion	Ratio	Lower	Upper
106	100		
91	188.3	158.6	238.0



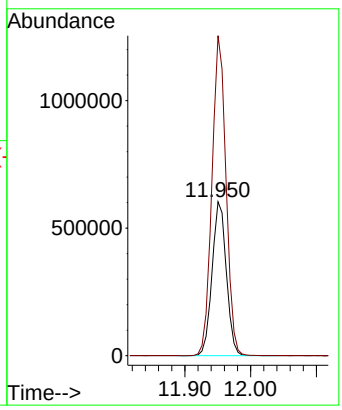


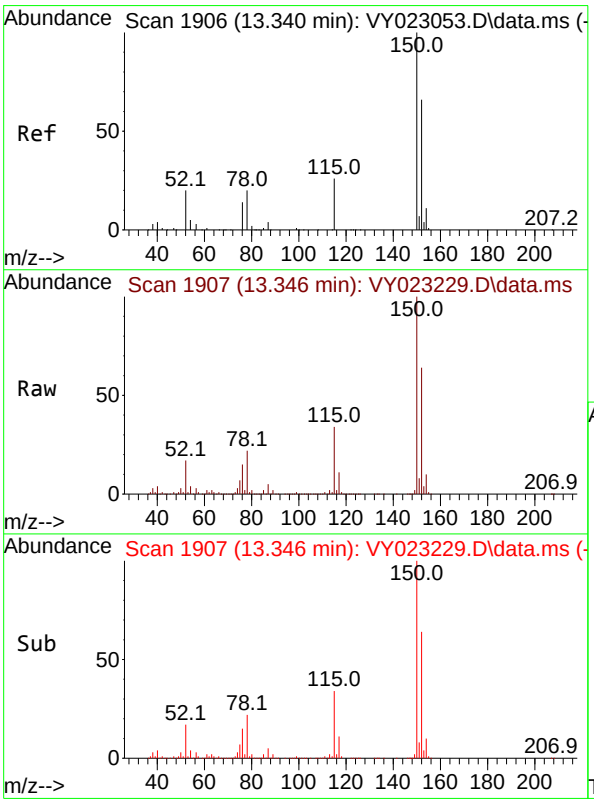
#69
o-Xylene
Concen: 64.126 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:106 Resp: 908406

Ion	Ratio	Lower	Upper
106	100		
91	205.5	103.2	309.4

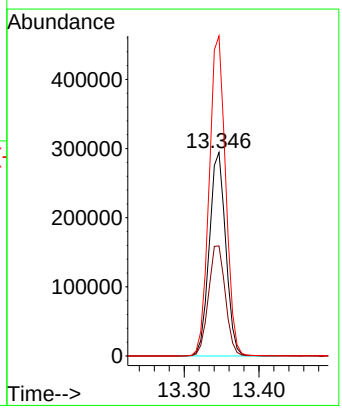


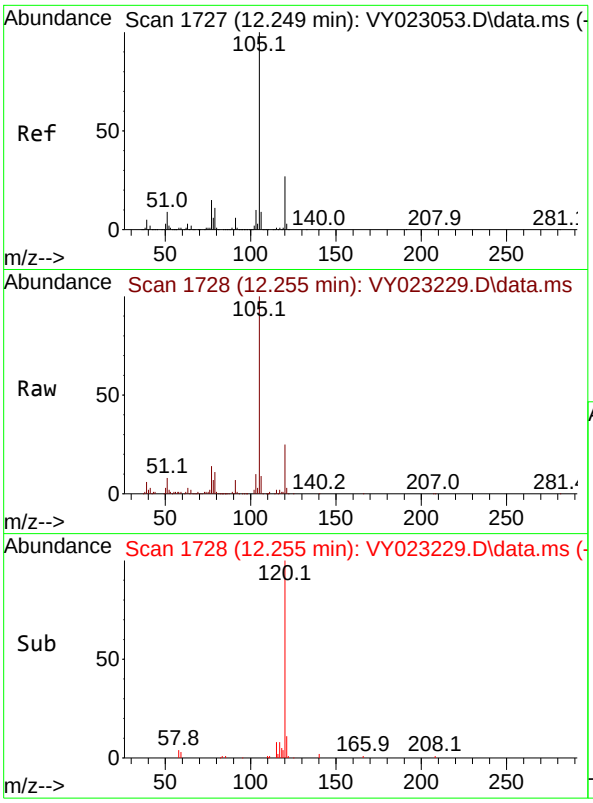


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:152 Resp: 449321

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	157.9	0.0	348.0



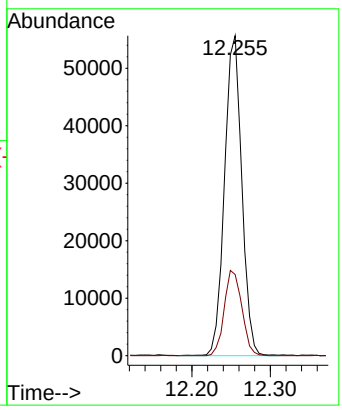


#73
Isopropylbenzene
Concen: 2.689 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:105 Resp: 85272

Ion	Ratio	Lower	Upper
105	100		
120	27.1	13.4	40.2



Sample Results: **VY023229.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

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\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023229.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.634	960	970	976	rBV	477125	1142278	4.57%	2.066%
2	7.707	976	982	994	rVB	670624	1527300	6.12%	2.762%
3	8.061	1031	1040	1055	rBV	416459	929327	3.72%	1.681%
4	8.616	1122	1131	1146	rBV	1182392	2309425	9.25%	4.177%
5	10.103	1367	1375	1383	rBV	1912023	3282635	13.15%	5.937%
6	11.207	1547	1556	1566	rVB2	611404	1344039	5.38%	2.431%
7	11.304	1566	1572	1583	rBV	668638	1087612	4.36%	1.967%
8	11.414	1583	1590	1599	rBV	1953784	3082833	12.35%	5.575%
9	11.518	1599	1607	1615	rBV	3574639	5353173	21.44%	9.681%
10	11.621	1615	1624	1635	rBV	14804483	24970700	100.00%	45.159%
11	11.950	1670	1678	1686	rBV	3452211	5305940	21.25%	9.596%
12	12.401	1746	1752	1764	rVB	1464160	2349149	9.41%	4.248%
13	13.346	1899	1907	1916	rVB	1659463	2610159	10.45%	4.720%

Sum of corrected areas: 55294570

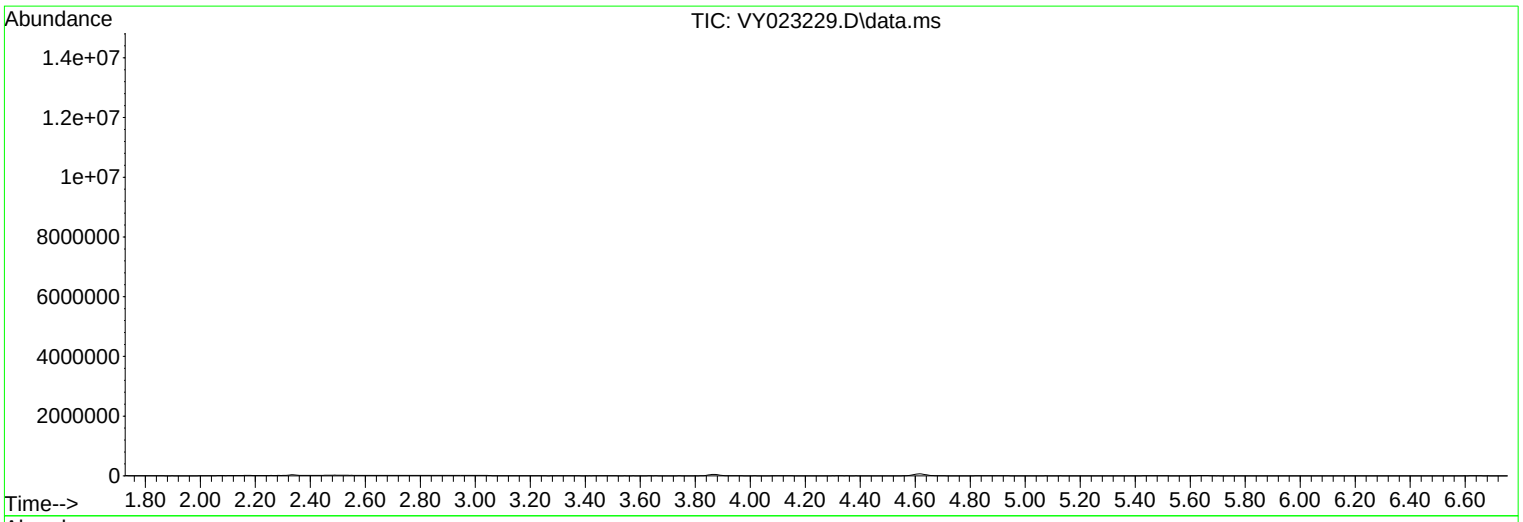
Sample Results: **VY023229.D**

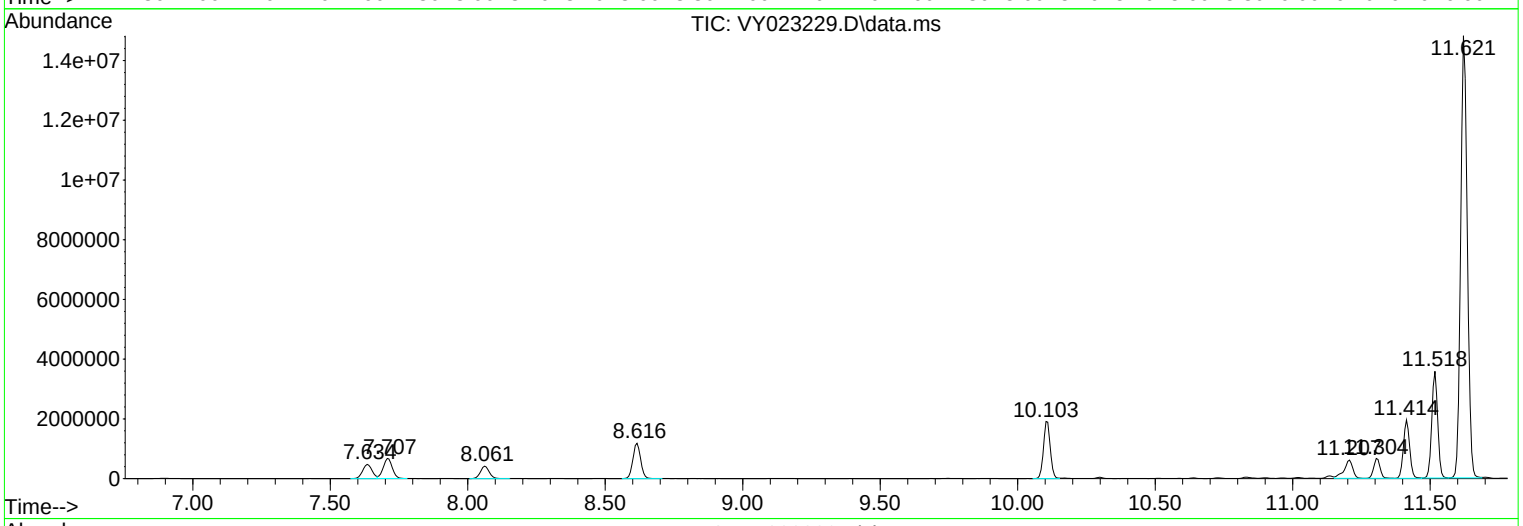
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

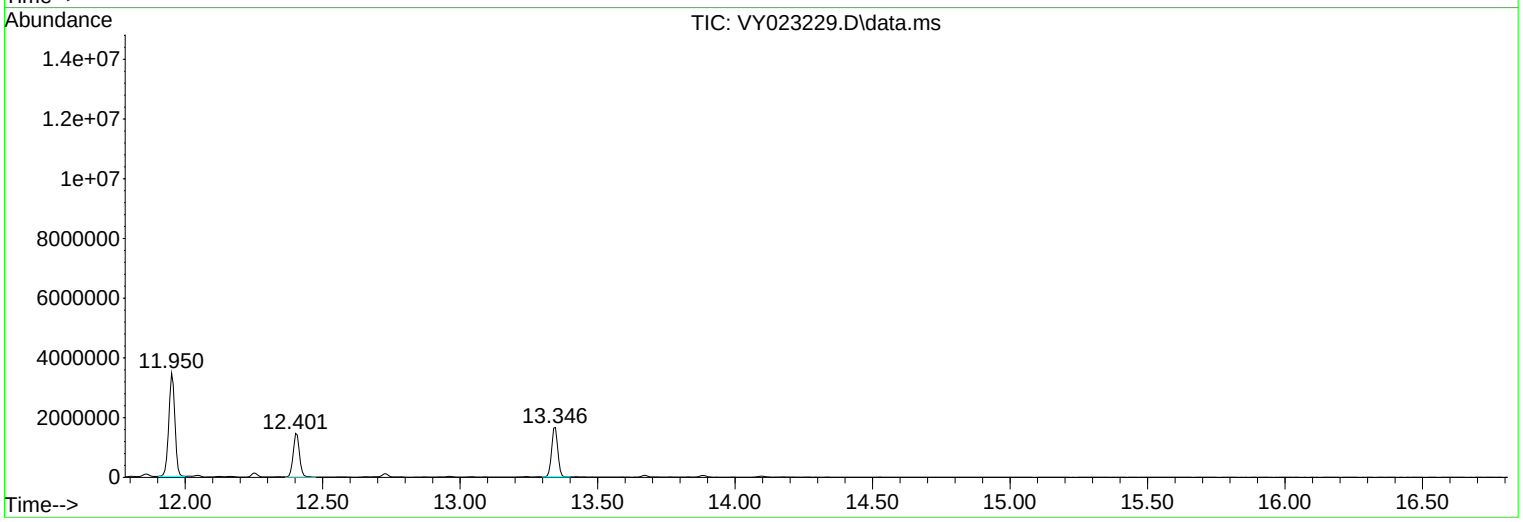
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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







Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

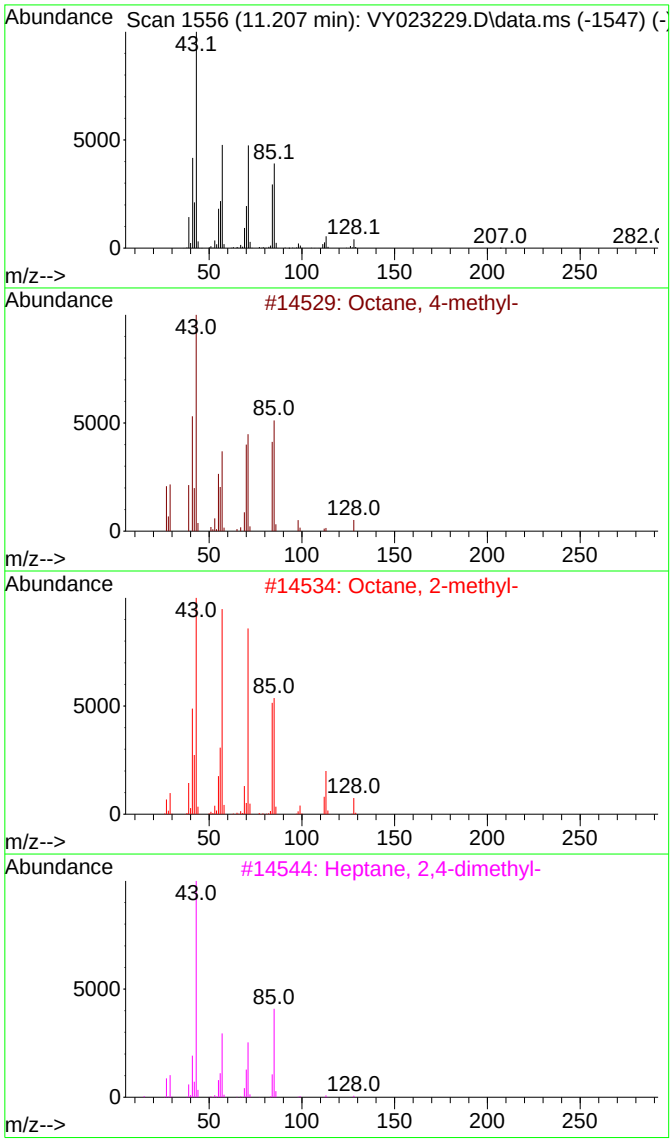
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

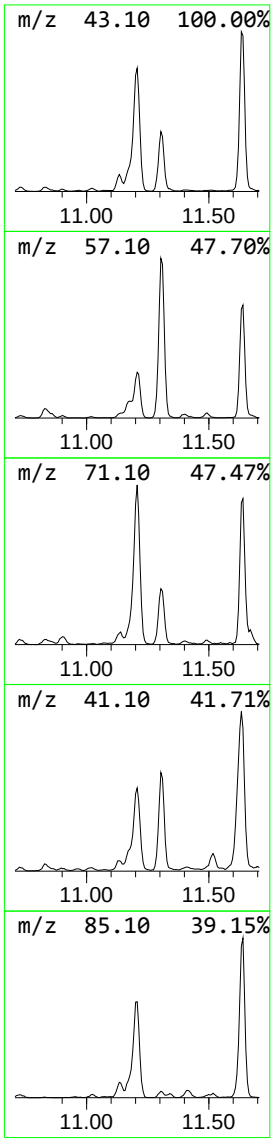
****

Peak Number 1 Octane, 4-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.207	21.80 ug/l	1344040	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Octane, 4-methyl-	128	C9H20	002216-34-4	76
2	Octane, 2-methyl-	128	C9H20	003221-61-2	72
3	Heptane, 2,4-dimethyl-	128	C9H20	002213-23-2	72
4	Hexane, 3,3-dimethyl-	114	C8H18	000563-16-6	53
5	Hexane, 3-ethyl-	114	C8H18	000619-99-8	50





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

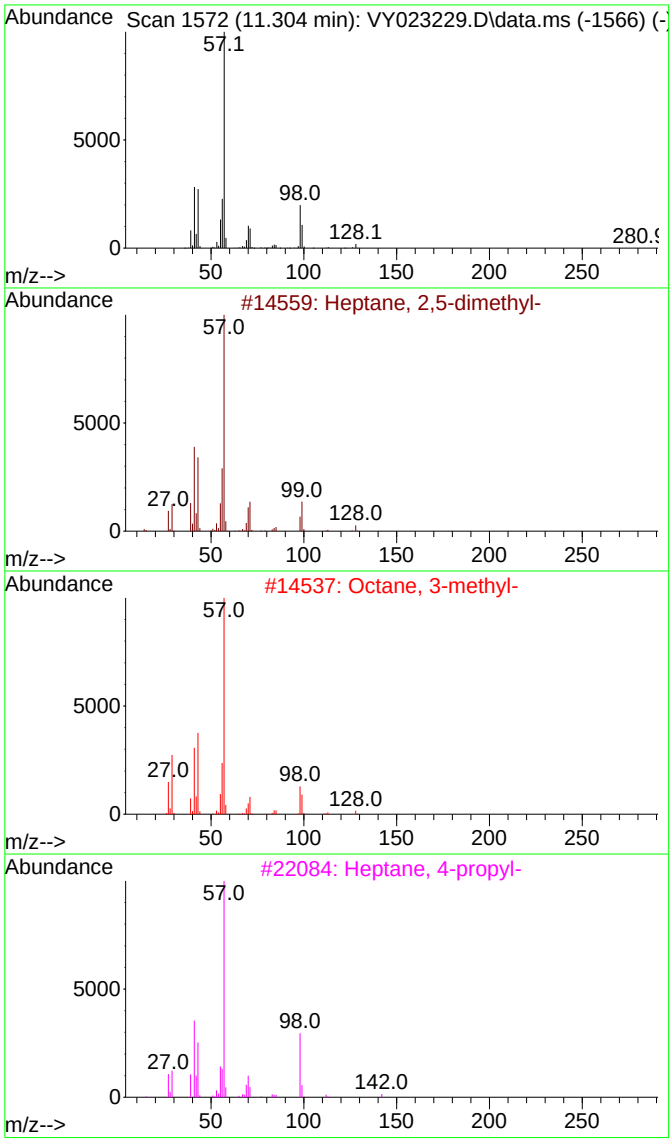
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

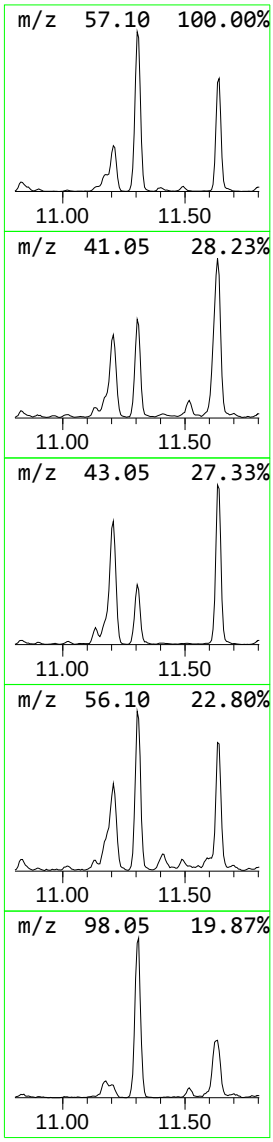
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Heptane, 2,5-dimethyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.304	17.64 ug/l	1087610	Chlorobenzene-d5	11.414

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Heptane, 2,5-dimethyl-	128	C9H20	002216-30-0	87
2	Octane, 3-methyl-	128	C9H20	002216-33-3	80
3	Heptane, 4-propyl-	142	C10H22	003178-29-8	59
4	Heptane, 4-(1-methylethyl)-	142	C10H22	052896-87-4	59
5	Heptane, 3-ethyl-	128	C9H20	015869-80-4	58





Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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
Octane, 4-methyl-	11.207	21.8	ug/l	1344040	3	11.414	3082830	50.0
Heptane, 2,5-di...	11.304	17.6	ug/l	1087610	3	11.414	3082830	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Quant Time: Aug 29 03:21:21 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

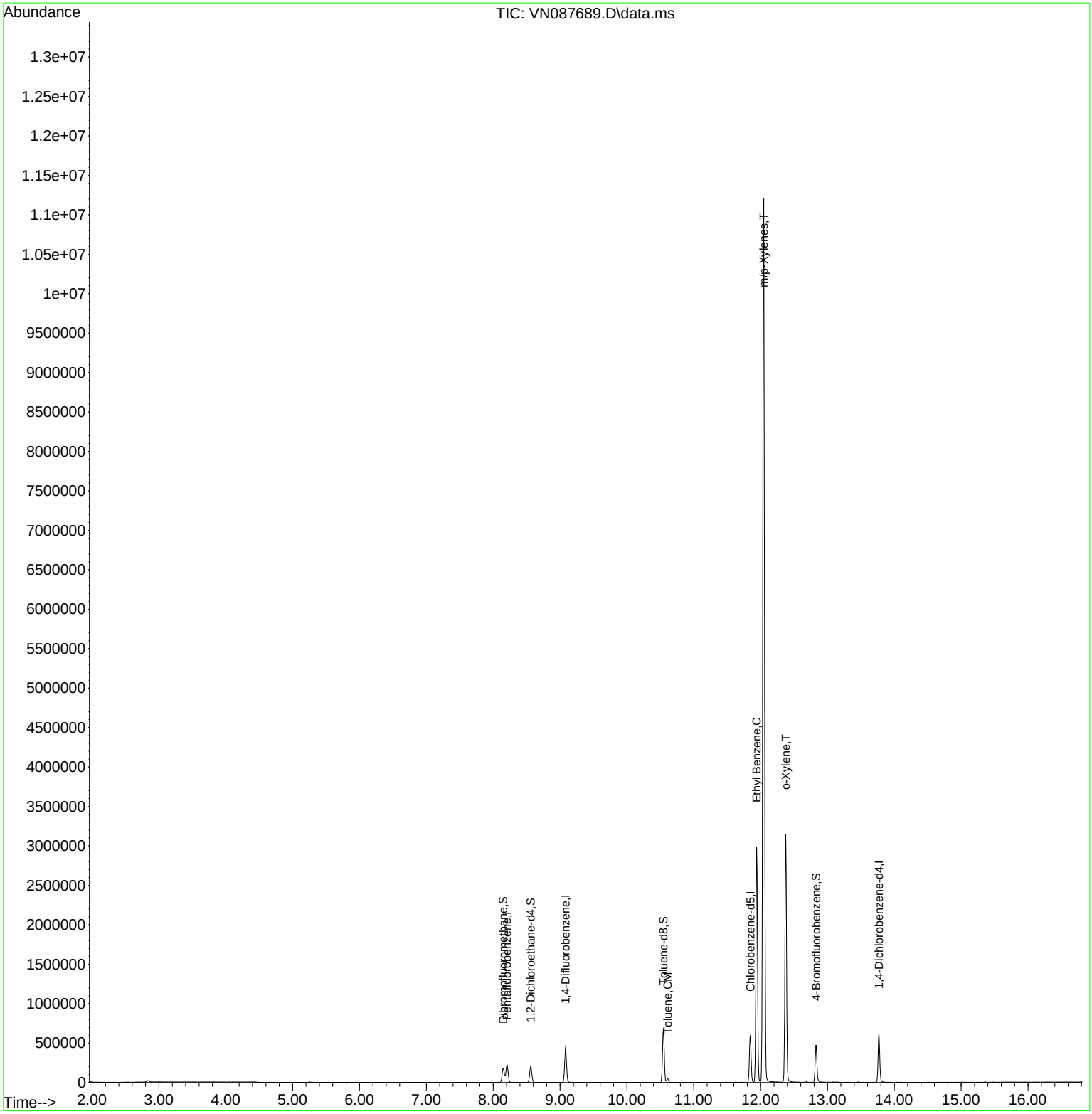
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	148628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	339597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	324921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	157594	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	168607	55.368	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.740%			
35) Dibromofluoromethane	8.147	113	127888	52.159	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.320%			
50) Toluene-d8	10.547	98	450991	49.144	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.280%			
62) 4-Bromofluorobenzene	12.829	95	169038	51.795	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 103.580%			
Target Compounds						Qvalue
52) Toluene	10.612	92	19345	2.705	ug/l	99
67) Ethyl Benzene	11.941	91	2125249	151.847	ug/l	99
68) m/p-Xylenes	12.047	106	3268630	636.793	ug/l	100
69) o-Xylene	12.376	106	828002	164.604	ug/l	99

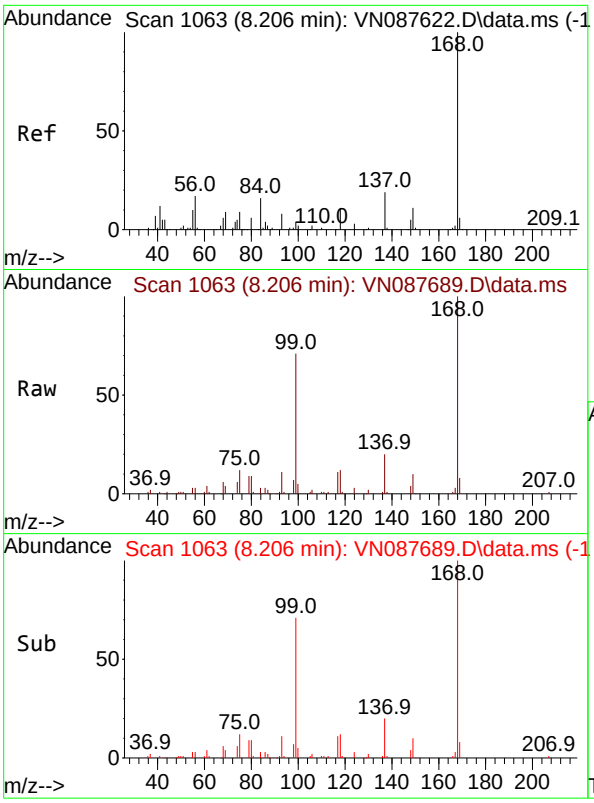
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Quant Time: Aug 29 03:21:21 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



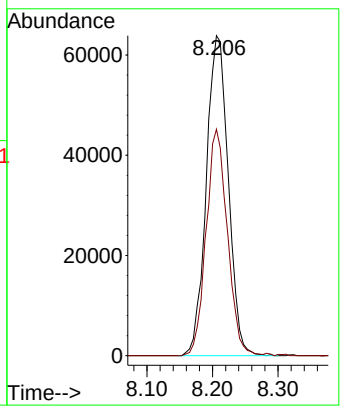


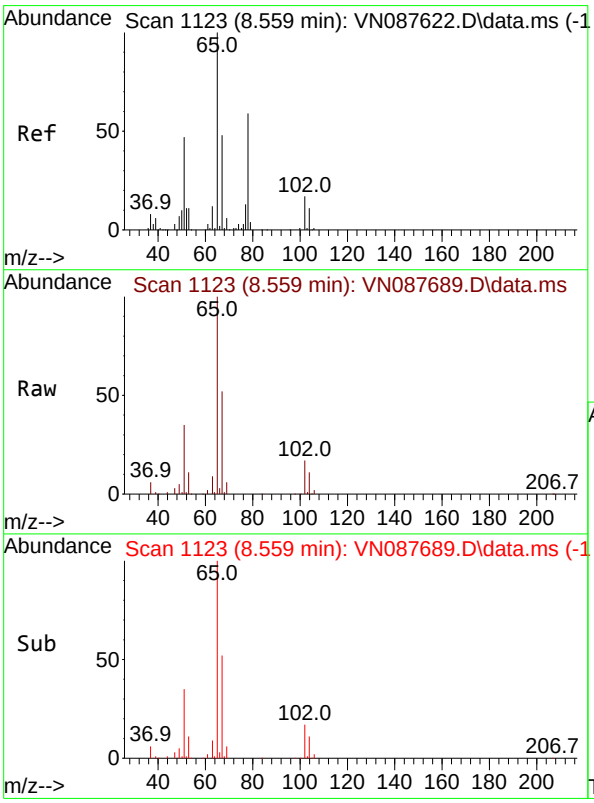
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:168 Resp: 148628

Ion	Ratio	Lower	Upper
168	100		
99	70.8	57.2	85.8

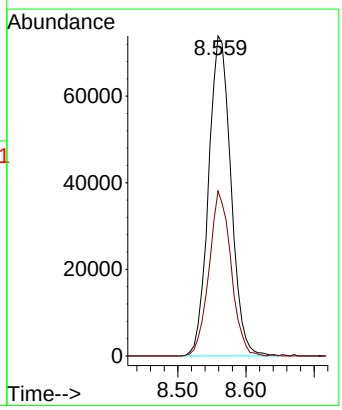


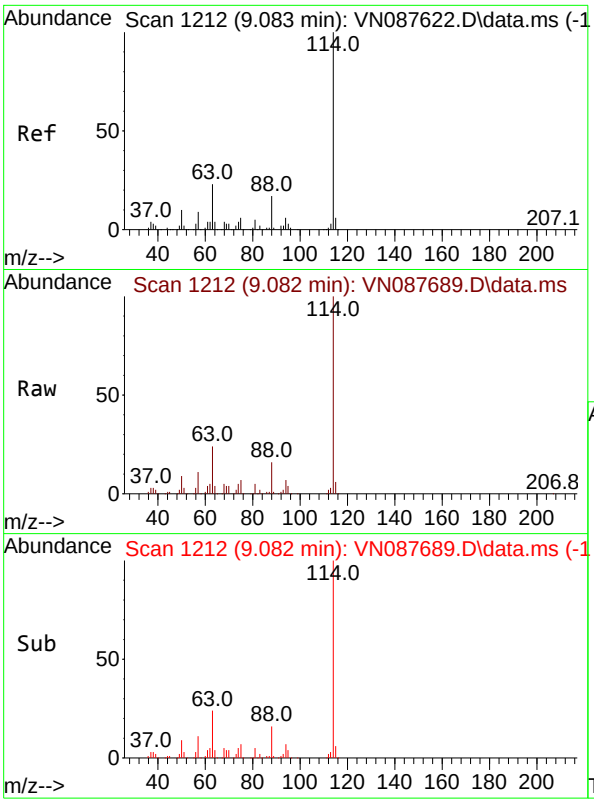


#33
1,2-Dichloroethane-d4
Concen: 55.368 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 65 Resp: 168607

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.0



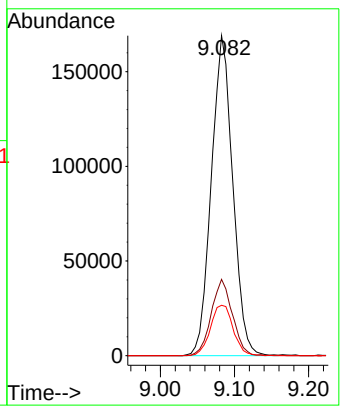


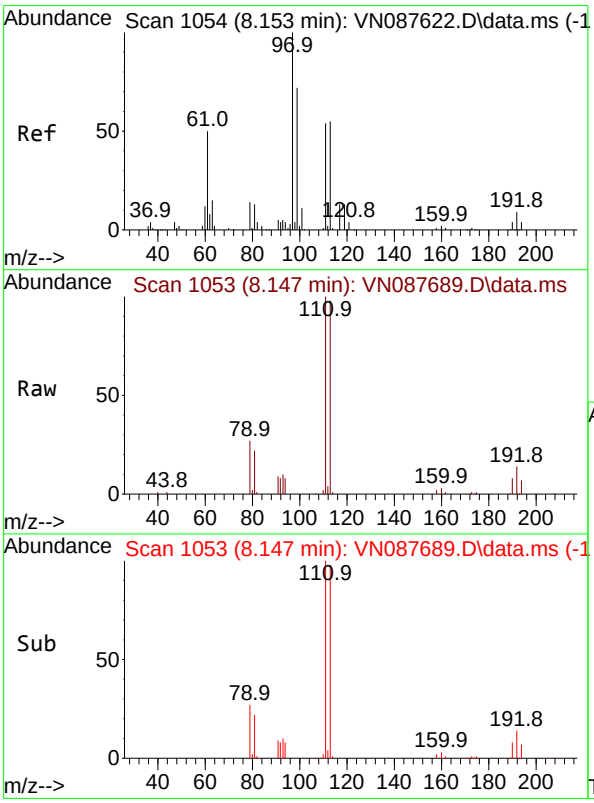
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:114 Resp: 339597

Ion	Ratio	Lower	Upper
114	100		
63	23.9	0.0	45.2
88	15.7	0.0	33.4

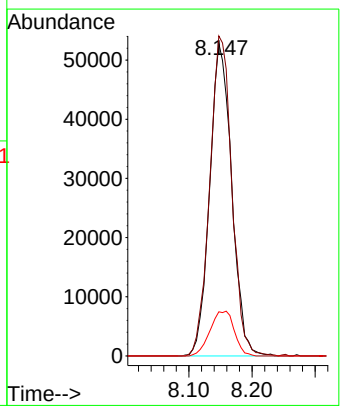


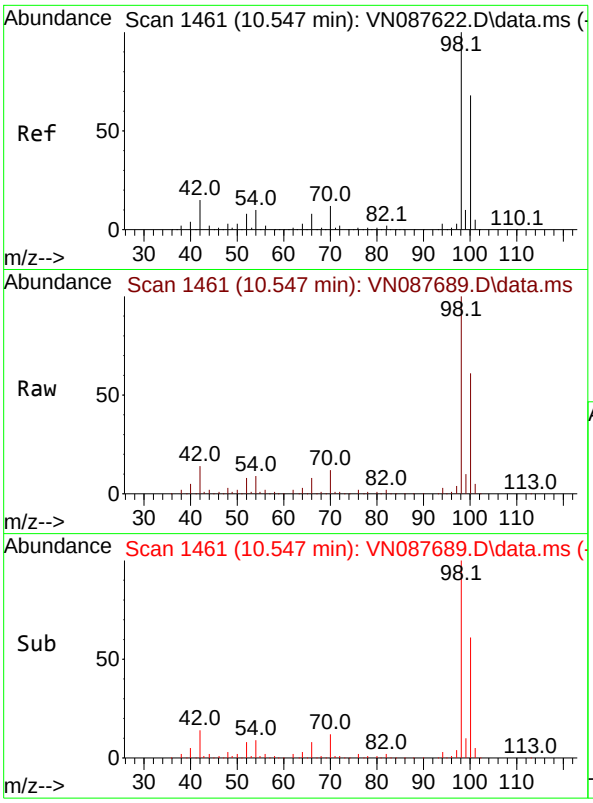


#35
Dibromofluoromethane
Concen: 52.159 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:113 Resp: 127888

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	15.8	12.8	19.2



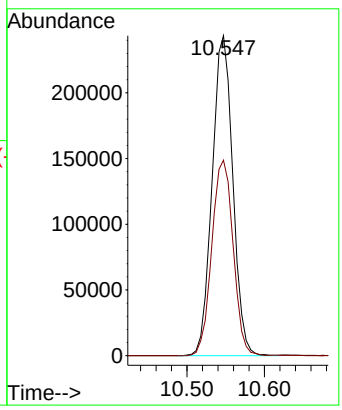


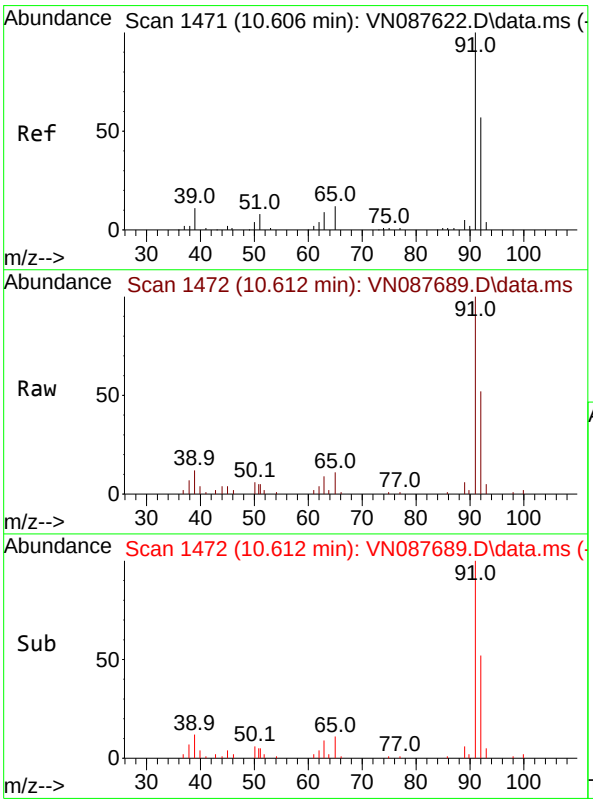
#50
Toluene-d8
Concen: 49.144 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion: 98 Resp: 450991

Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.8	79.2

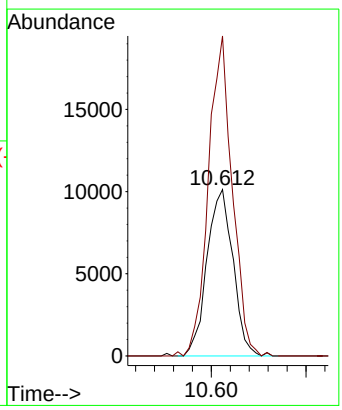


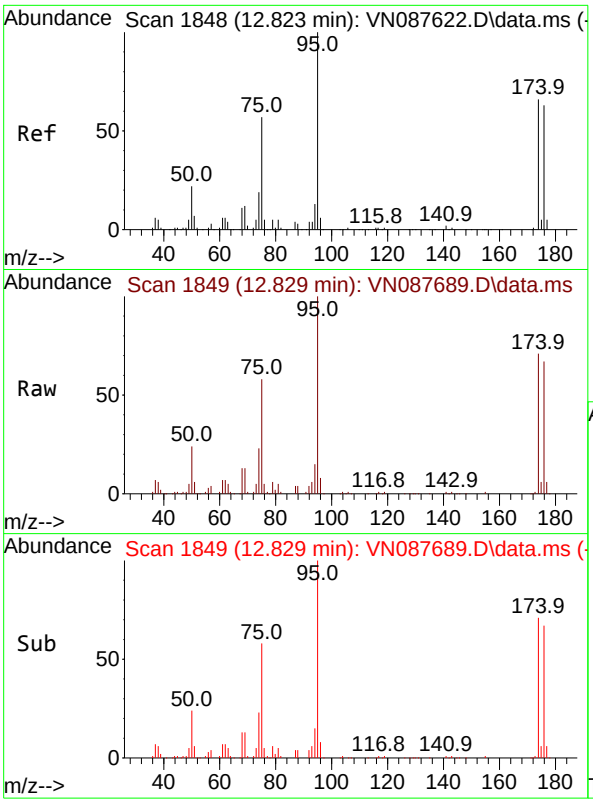


#52
Toluene
Concen: 2.705 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 92 Resp: 19345

Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.4	210.6



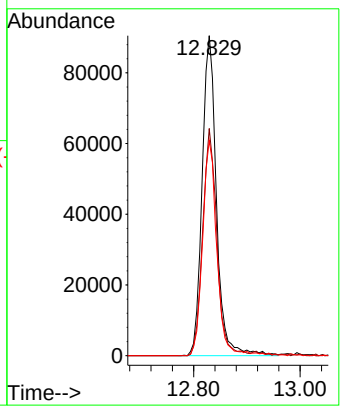


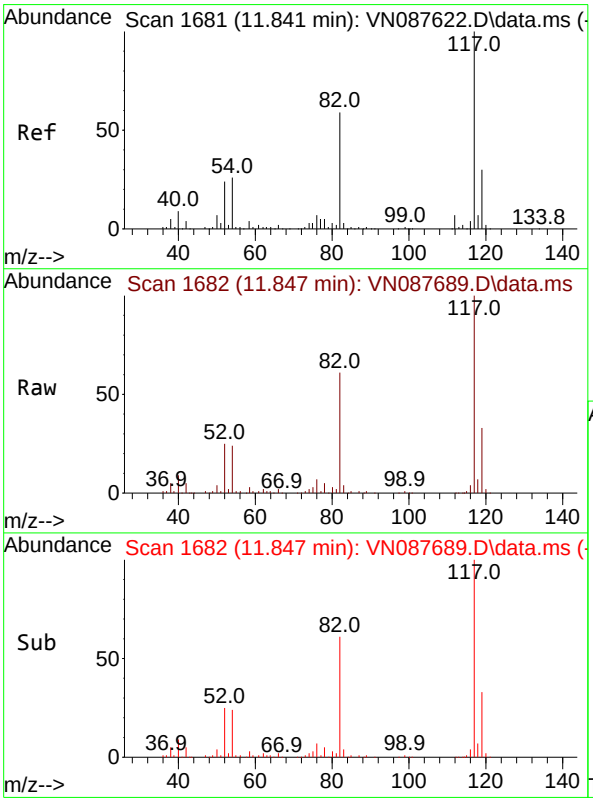
#62
4-Bromofluorobenzene
Concen: 51.795 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion: 95 Resp: 169038

Ion	Ratio	Lower	Upper
95	100		
174	70.2	0.0	138.4
176	67.3	0.0	132.6

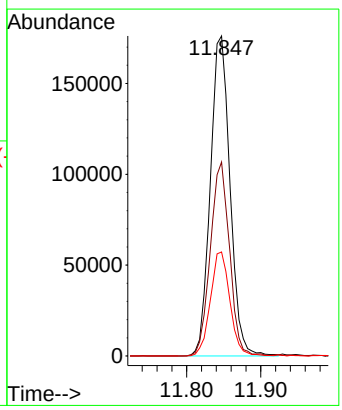


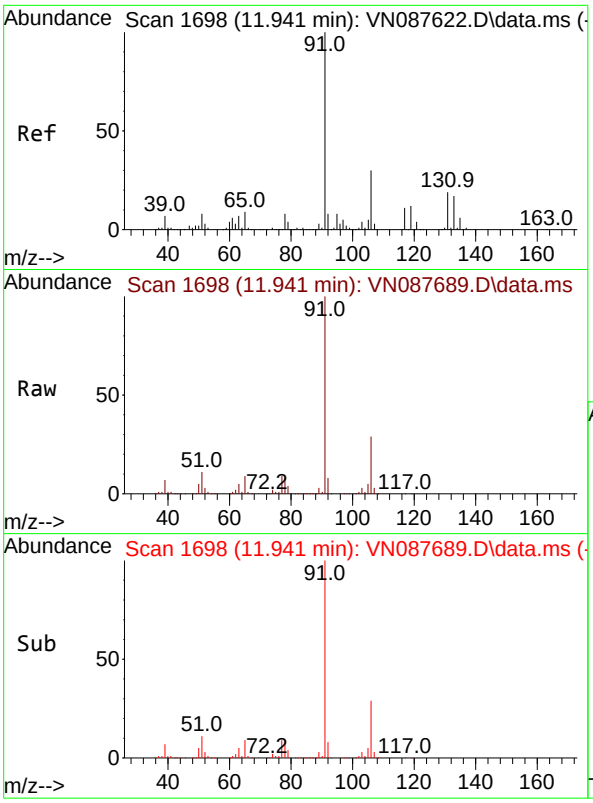


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:117 Resp: 324921

Ion	Ratio	Lower	Upper
117	100		
82	60.6	47.4	71.2
119	32.5	24.3	36.5



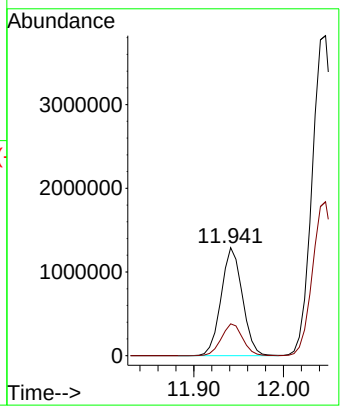


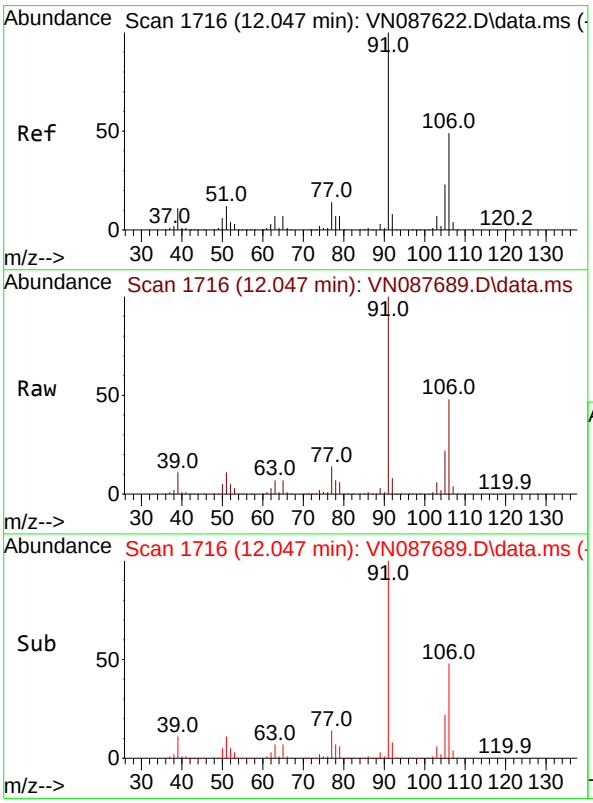
#67
Ethyl Benzene
Concen: 151.847 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion: 91 Resp: 2125249

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.1	36.1

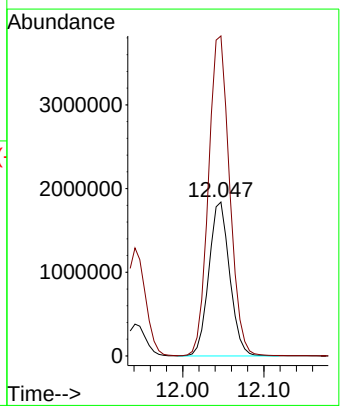


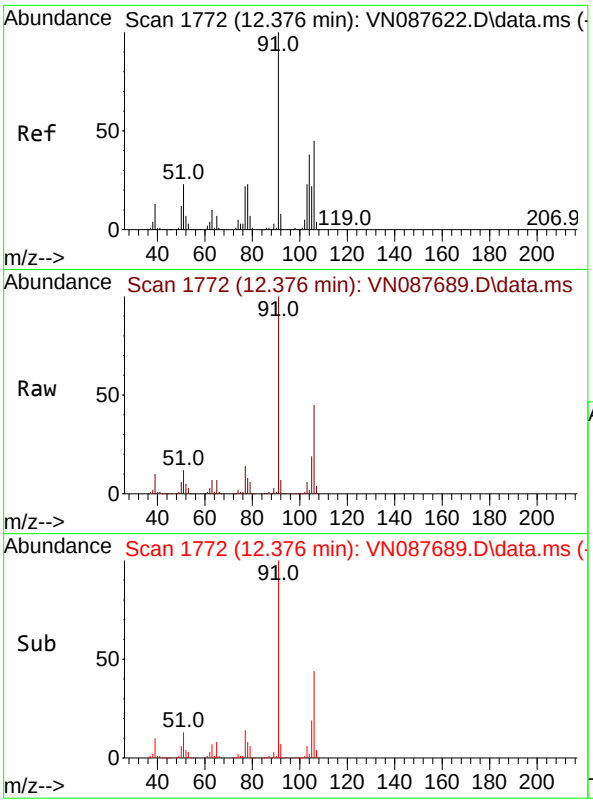


#68
m/p-Xylenes
Concen: 636.793 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:106 Resp: 3268630

Ion	Ratio	Lower	Upper
106	100		
91	211.6	169.3	253.9



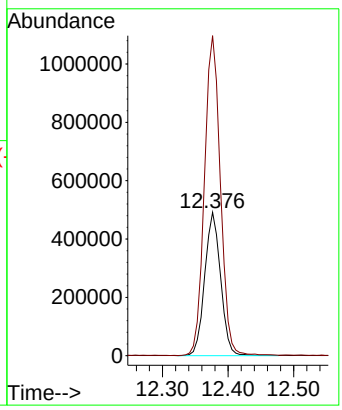


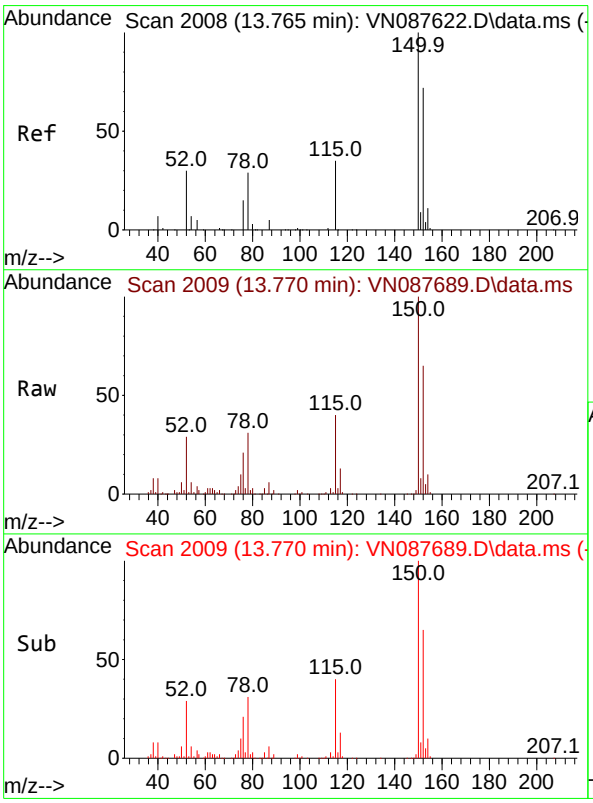
#69
o-Xylene
Concen: 164.604 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:106 Resp: 828002

Ion	Ratio	Lower	Upper
106	100		
91	224.7	111.4	334.2

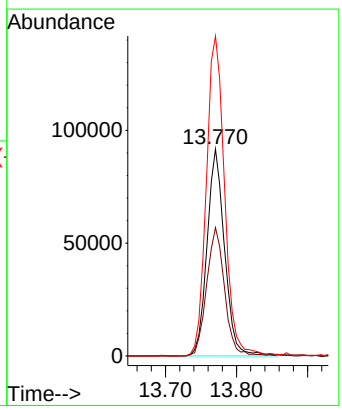




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:152 Resp: 157594

Ion	Ratio	Lower	Upper
152	100		
115	63.3	32.3	96.8
150	160.5	0.0	351.0



Sample Results: **VN087689.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

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: VN087689.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	rBV3	178993	432392	2.13%	1.164%
2	8.206	1058	1063	1076	rVB	224799	508863	2.51%	1.369%
3	8.559	1114	1123	1136	rBV	199549	463378	2.28%	1.247%
4	9.082	1203	1212	1225	rBV	431996	878548	4.33%	2.364%
5	10.547	1452	1461	1468	rBV	668549	1252926	6.18%	3.372%
6	11.847	1672	1682	1690	rBV	589302	1092669	5.39%	2.941%
7	11.941	1690	1698	1707	rVV	2982671	4966159	24.48%	13.365%
8	12.047	1707	1716	1736	rVB	11194578	20286229	100.00%	54.593%
9	12.376	1763	1772	1789	rBV	3147237	5313441	26.19%	14.299%
10	12.829	1841	1849	1862	rBV	475009	873284	4.30%	2.350%
11	13.770	2001	2009	2025	rBV	620784	1091361	5.38%	2.937%

Sum of corrected areas: 37159250

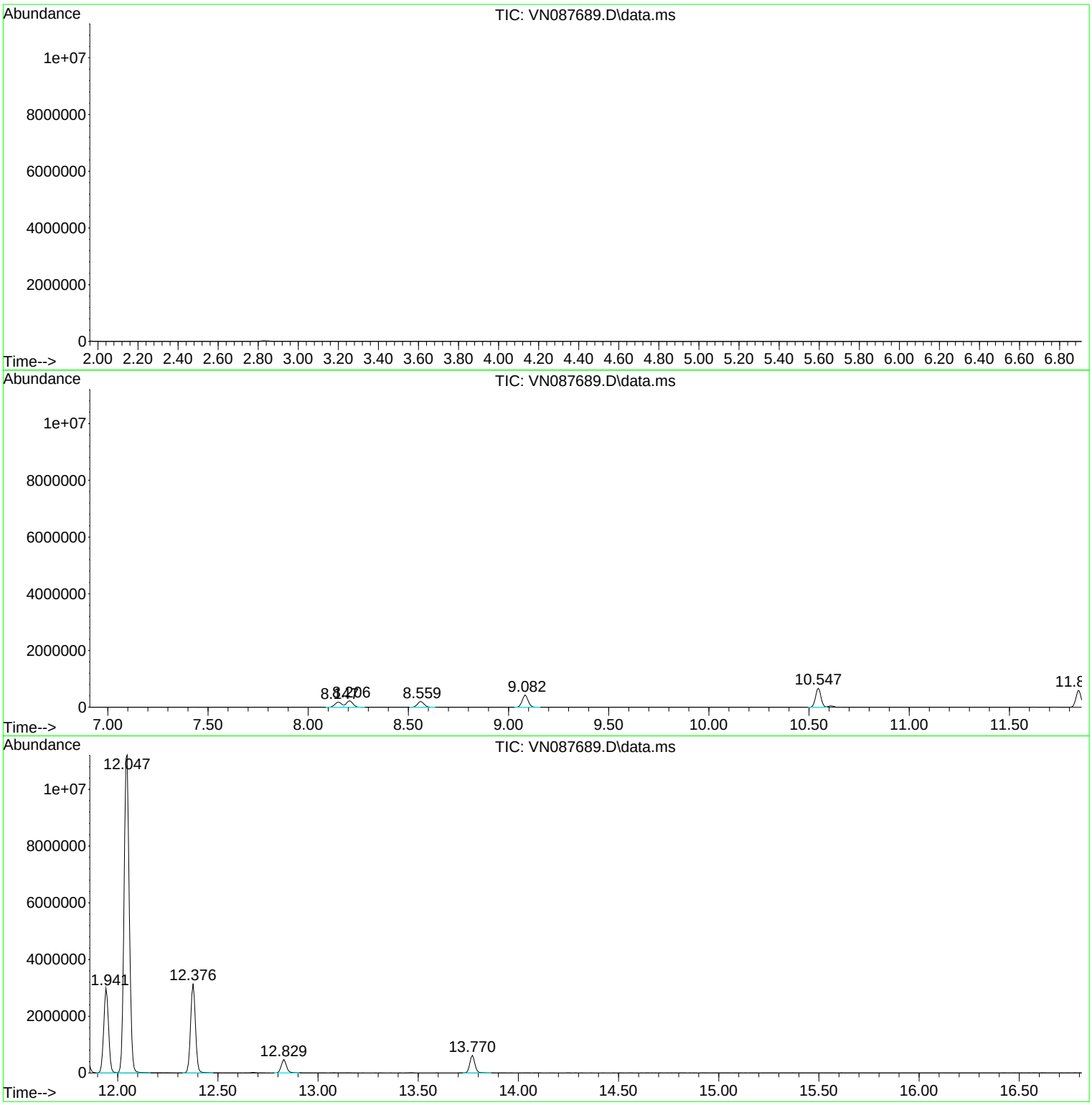
Sample Results: **VN087689.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

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



Library Search Compound Report

Sample Results: **VN087689.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087689.D
Acq On : 28 Aug 2025 16:32
Operator : JC\MD
Sample : Q2964-04 20X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

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\VN082925\
Data File : VN087698.D
Acq On : 29 Aug 2025 14:18
Operator : JC\MD
Sample : Q2964-04DL 100X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Quant Time: Aug 29 22:55:35 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

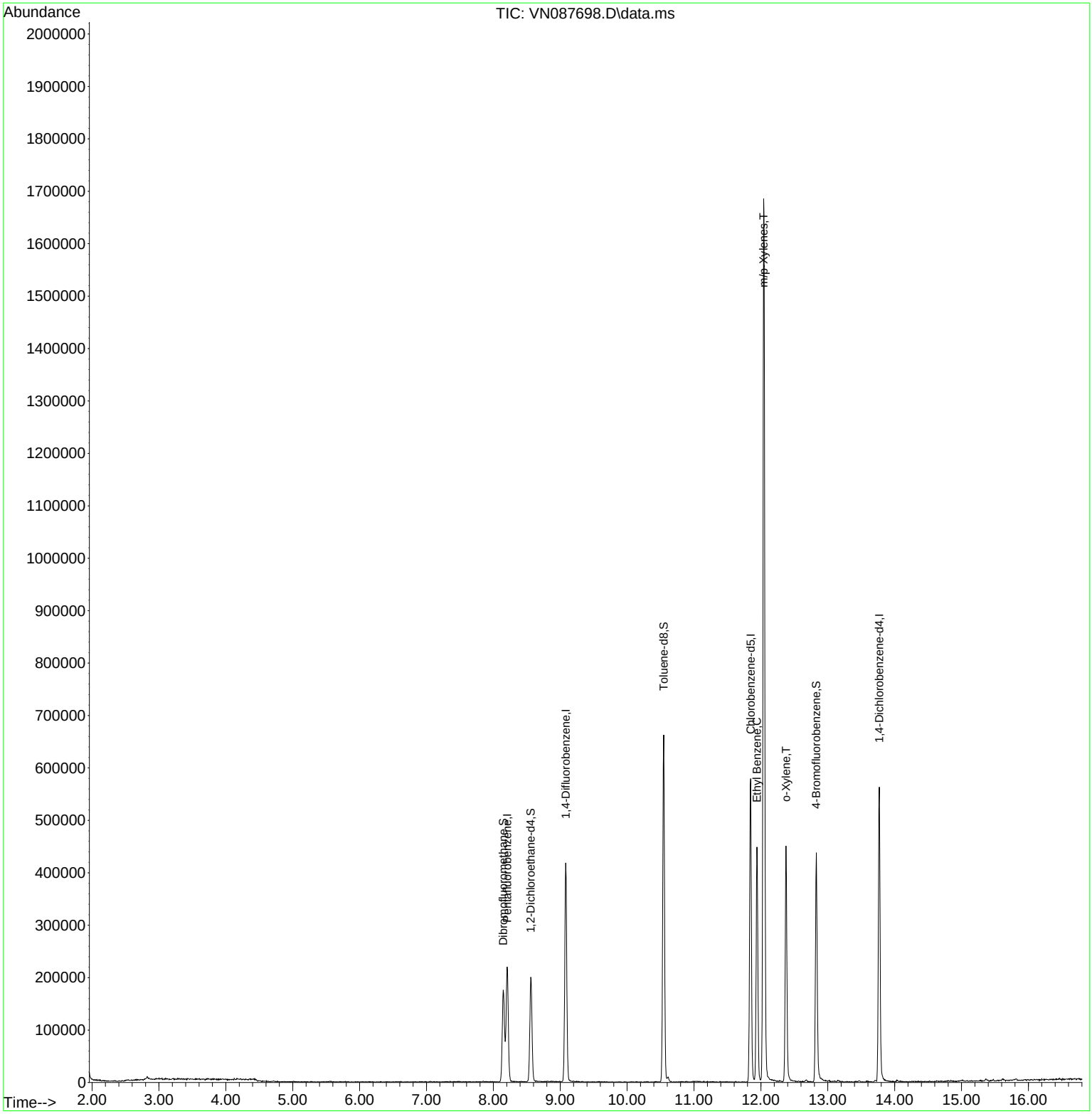
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	144470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	341905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	313398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	145966	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	164424	55.548	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 111.100%			
35) Dibromofluoromethane	8.147	113	122584	49.658	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 99.320%			
50) Toluene-d8	10.547	98	431806	46.736	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.480%			
62) 4-Bromofluorobenzene	12.829	95	155502	47.326	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.660%			
Target Compounds						Qvalue
67) Ethyl Benzene	11.941	91	324437	24.033	ug/l	100
68) m/p-Xylenes	12.041	106	493325	99.643	ug/l	99
69) o-Xylene	12.376	106	123419	25.437	ug/l	100

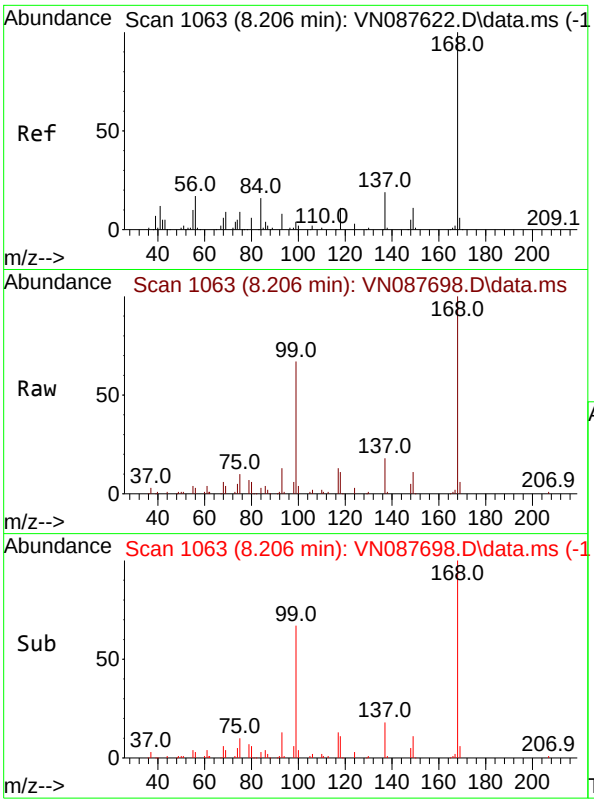
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087698.D
Acq On : 29 Aug 2025 14:18
Operator : JC\MD
Sample : Q2964-04DL 100X
Misc : 7.69g/5mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Quant Time: Aug 29 22:55:35 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



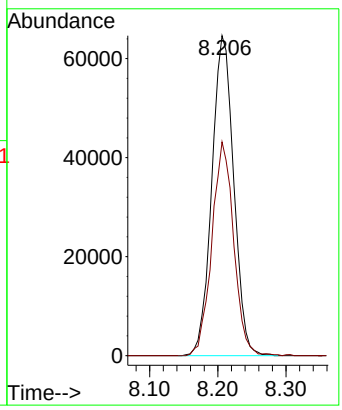


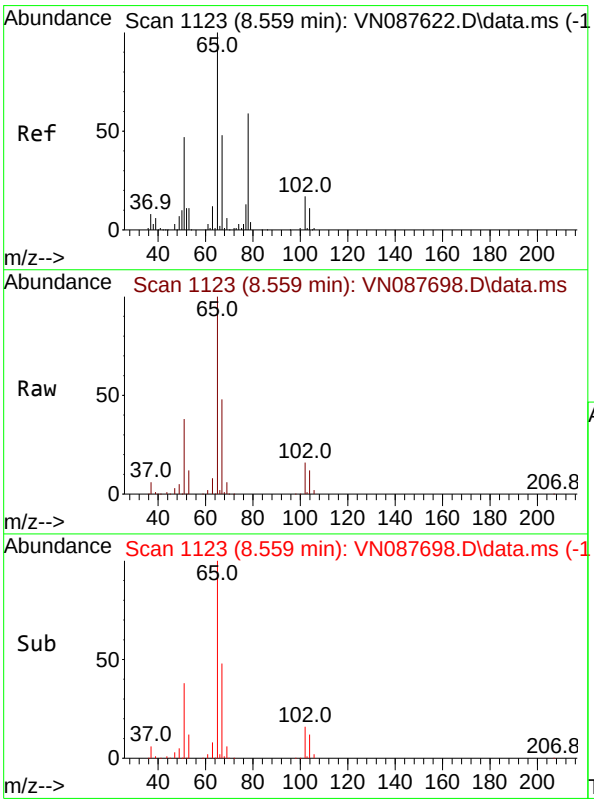
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:168 Resp: 144470

Ion	Ratio	Lower	Upper
168	100		
99	66.8	57.2	85.8

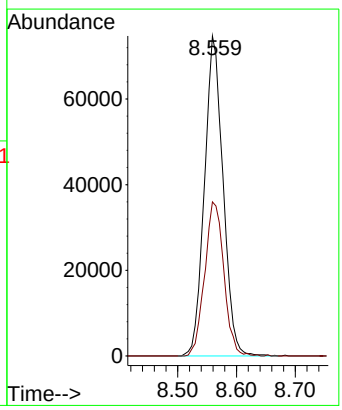


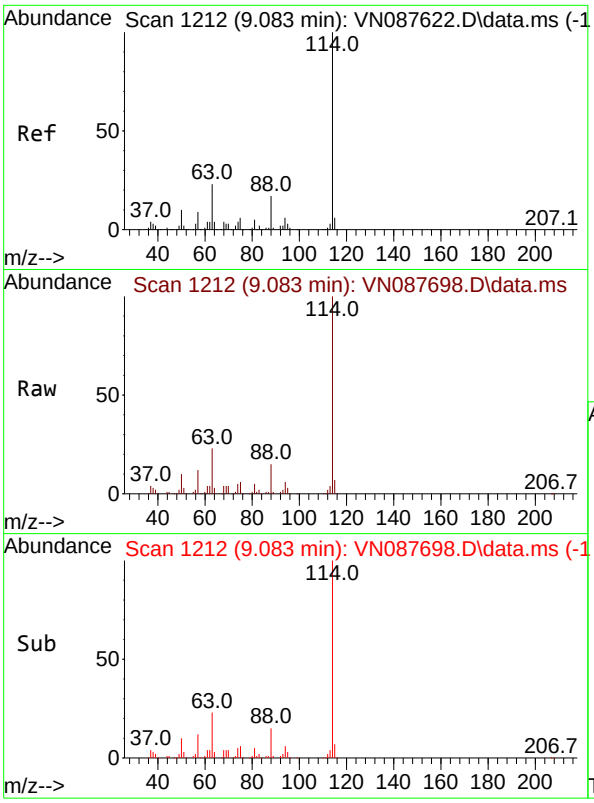


#33
1,2-Dichloroethane-d4
Concen: 55.548 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 65 Resp: 164424

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	100.0



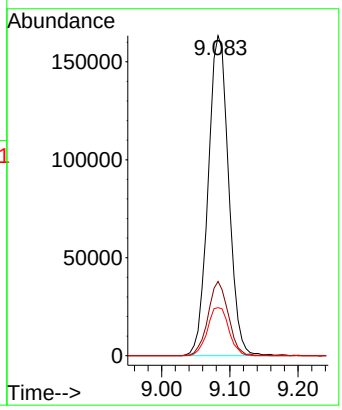


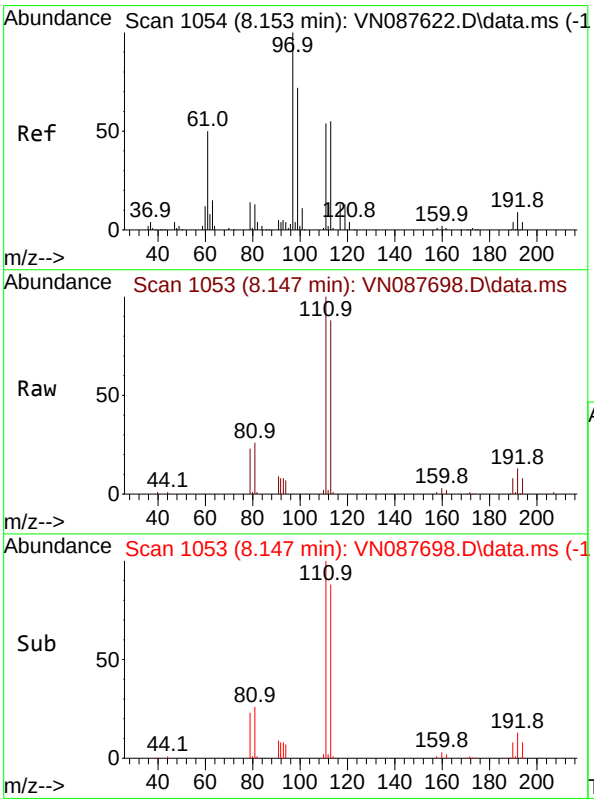
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:114 Resp: 341905

Ion	Ratio	Lower	Upper
114	100		
63	23.2	0.0	45.2
88	15.0	0.0	33.4

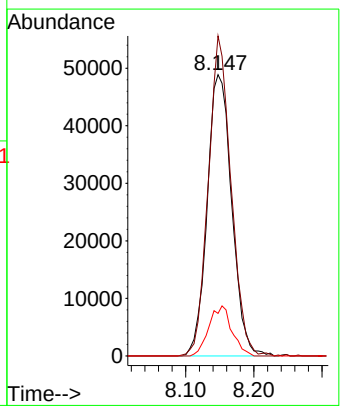


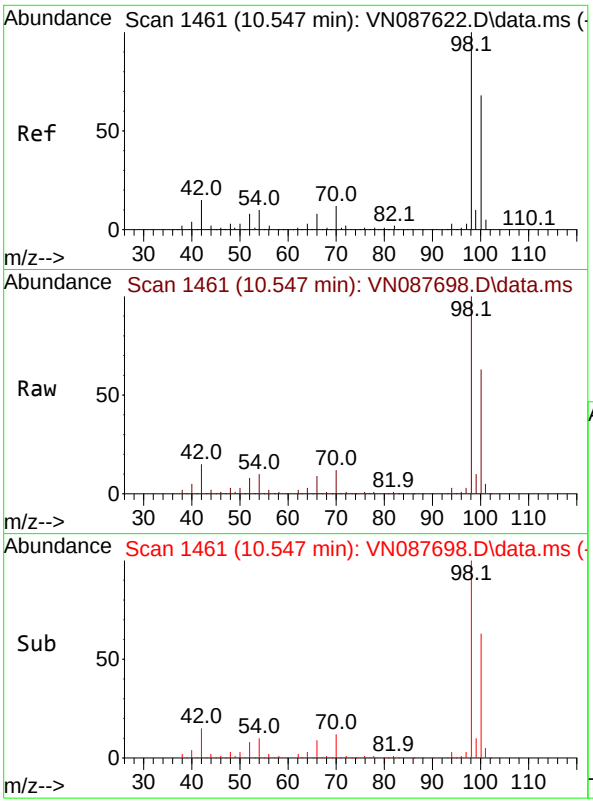


#35
Dibromofluoromethane
Concen: 49.658 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion:113 Resp: 122584

Ion	Ratio	Lower	Upper
113	100		
111	105.4	82.8	124.2
192	16.7	12.8	19.2



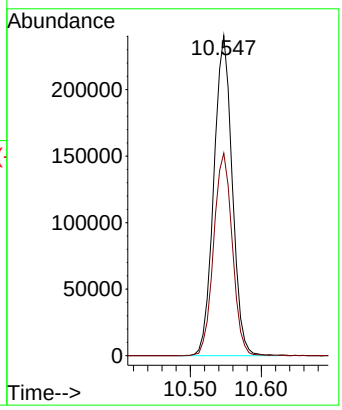


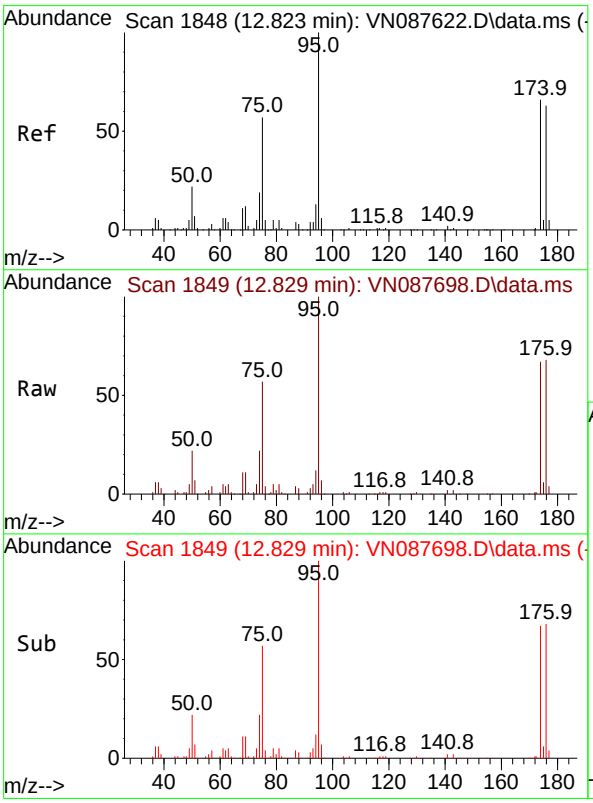
#50
Toluene-d8
Concen: 46.736 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion: 98 Resp: 431806

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.8	79.2

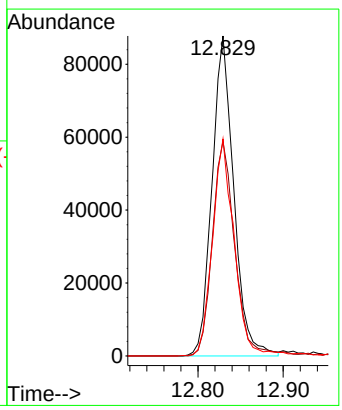


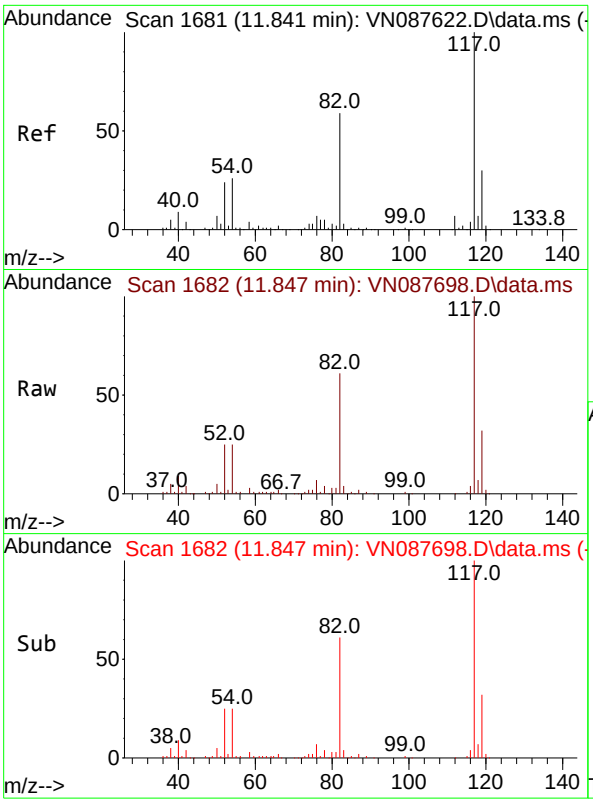


#62
4-Bromofluorobenzene
Concen: 47.326 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 95 Resp: 155502

Ion	Ratio	Lower	Upper
95	100		
174	69.5	0.0	138.4
176	67.8	0.0	132.6



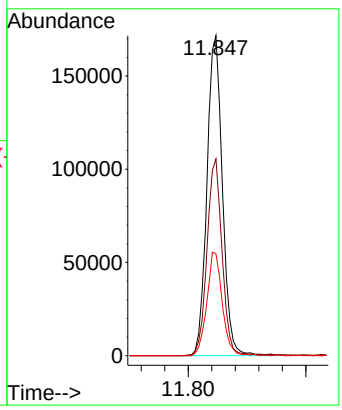


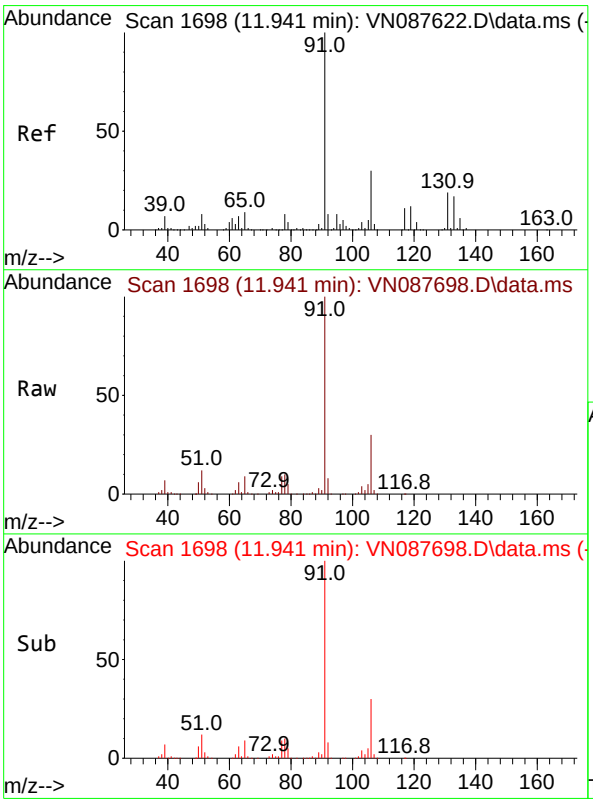
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:117 Resp: 313398

Ion	Ratio	Lower	Upper
117	100		
82	61.5	47.4	71.2
119	31.8	24.3	36.5

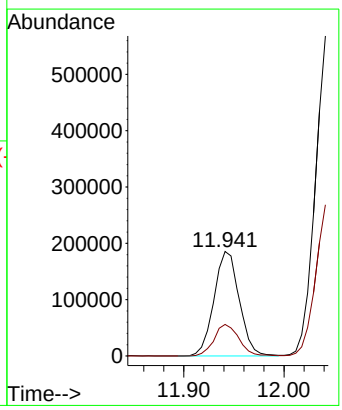


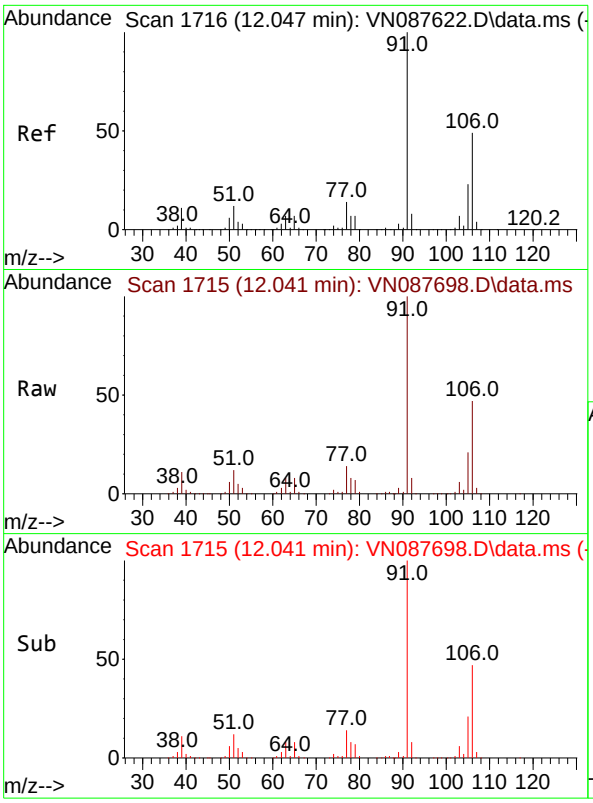


#67
Ethyl Benzene
Concen: 24.033 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 91 Resp: 324437

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.1	36.1



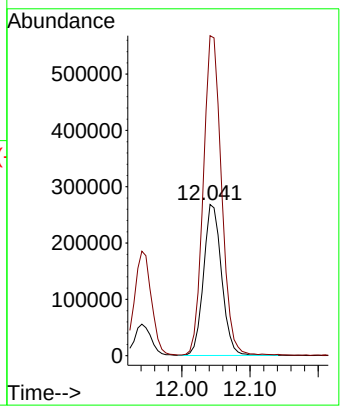


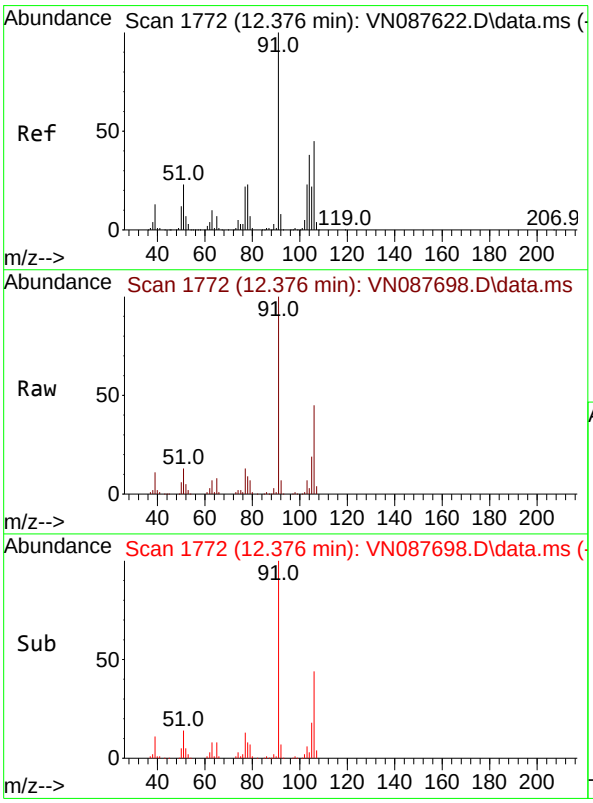
#68
m/p-Xylenes
Concen: 99.643 ug/l
RT: 12.041 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:106 Resp: 493325

Ion	Ratio	Lower	Upper
106	100		
91	213.1	169.3	253.9

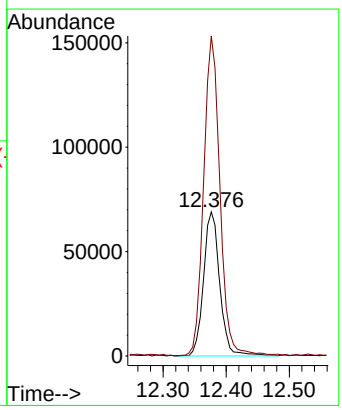


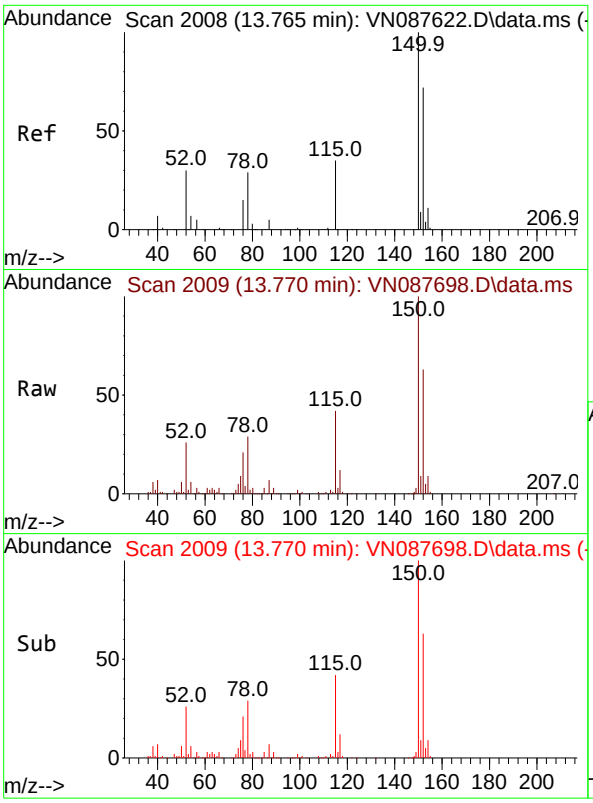


#69
o-Xylene
Concen: 25.437 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion:106 Resp: 123419

Ion	Ratio	Lower	Upper
106	100		
91	222.6	111.4	334.2



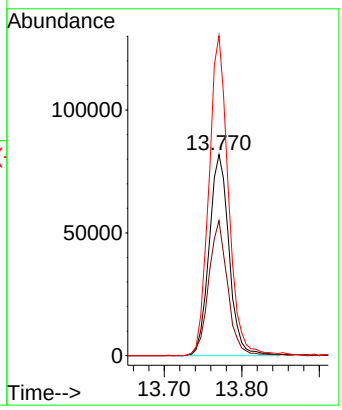


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:152 Resp: 145966

Ion	Ratio	Lower	Upper
152	100		
115	64.5	32.3	96.8
150	156.8	0.0	351.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Quant Time: Aug 29 03:15:13 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

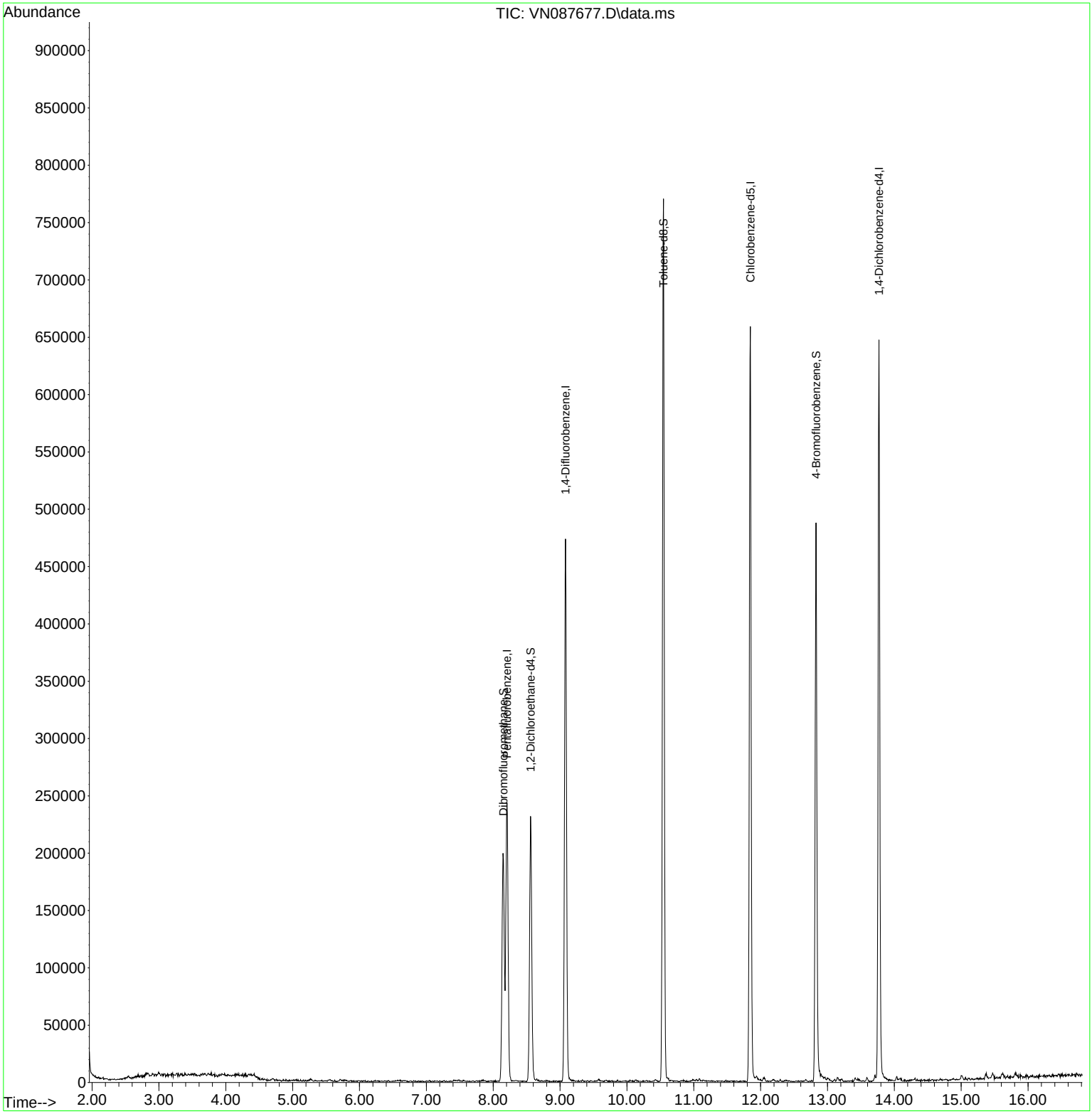
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	165959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	389198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	354647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	163207	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	187733	55.211	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.420%			
35) Dibromofluoromethane	8.153	113	142337	50.654	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	10.547	98	505630	48.076	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.160%			
62) 4-Bromofluorobenzene	12.829	95	168747	45.116	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 90.240%			
Target Compounds						Qvalue

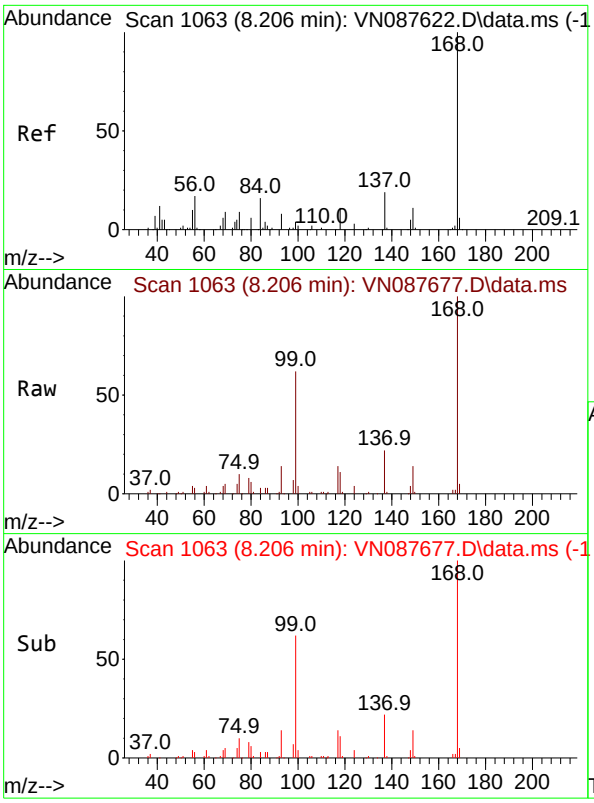
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Quant Time: Aug 29 03:15:13 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



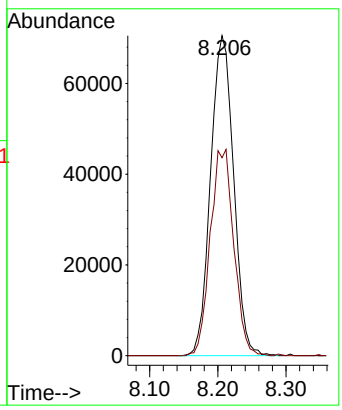


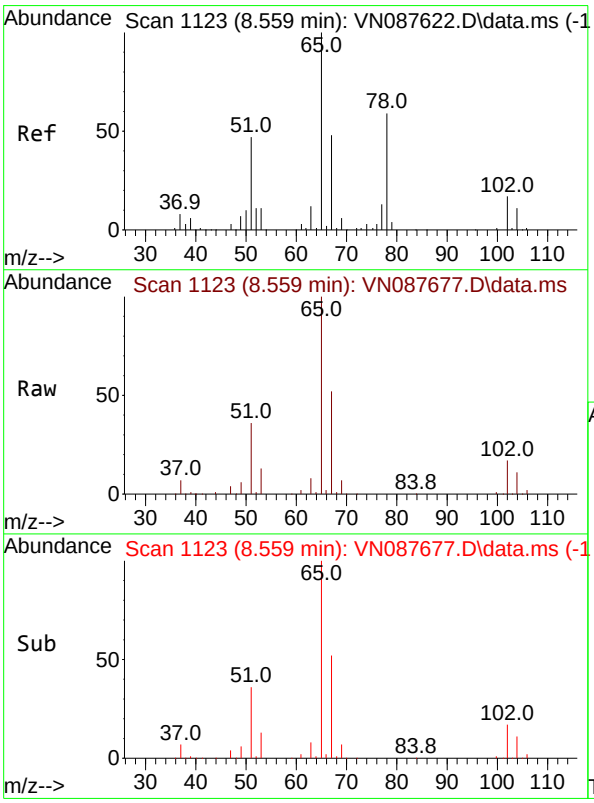
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion:168 Resp: 165959

Ion	Ratio	Lower	Upper
168	100		
99	61.8	57.2	85.8

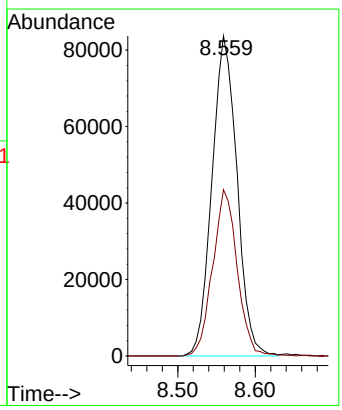


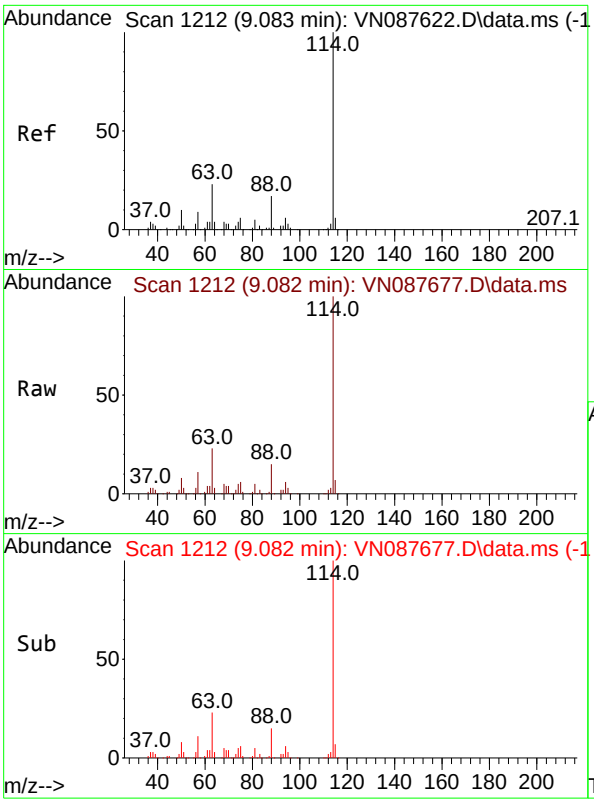


#33
1,2-Dichloroethane-d4
Concen: 55.211 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Tgt Ion: 65 Resp: 187733

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.0



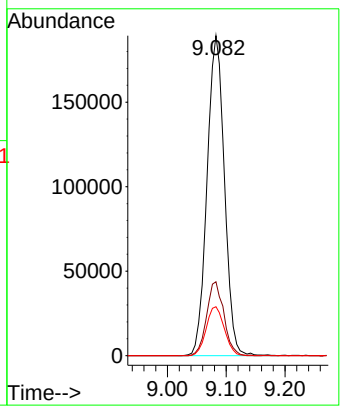


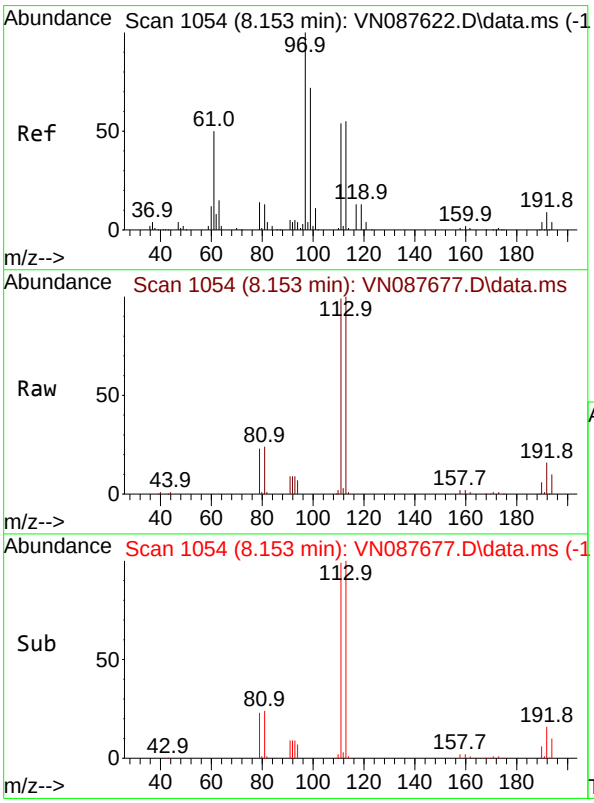
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion:114 Resp: 389198

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.2
88	15.3	0.0	33.4

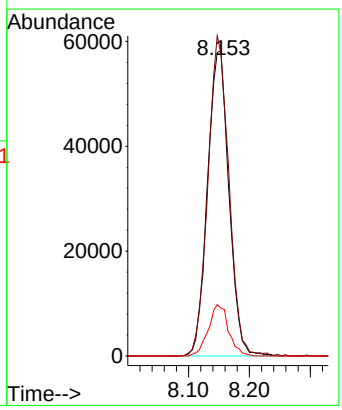


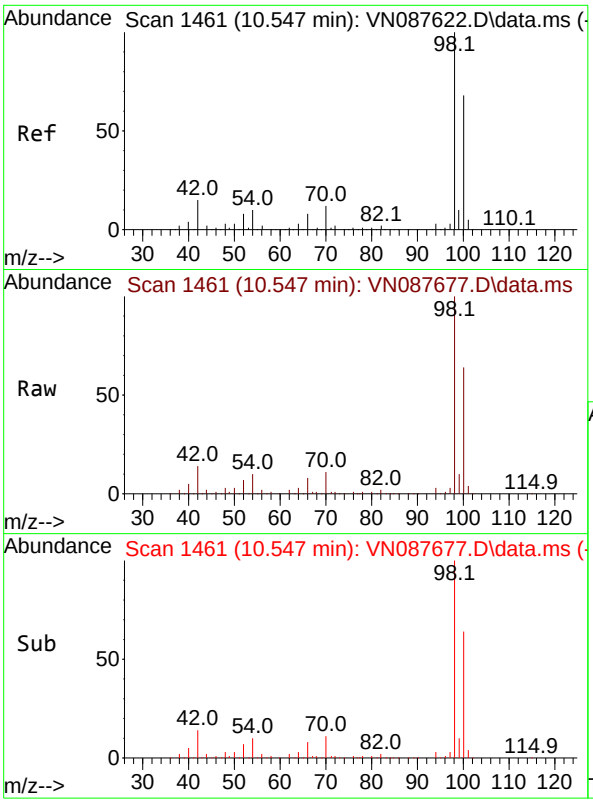


#35
Dibromofluoromethane
Concen: 50.654 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Tgt Ion:113 Resp: 142337

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.8	124.2
192	15.9	12.8	19.2



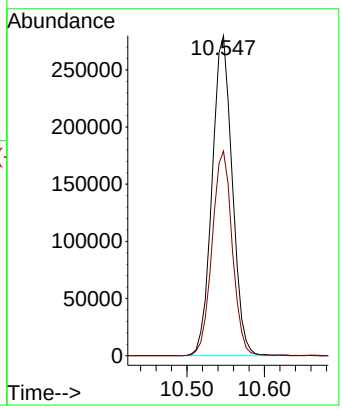


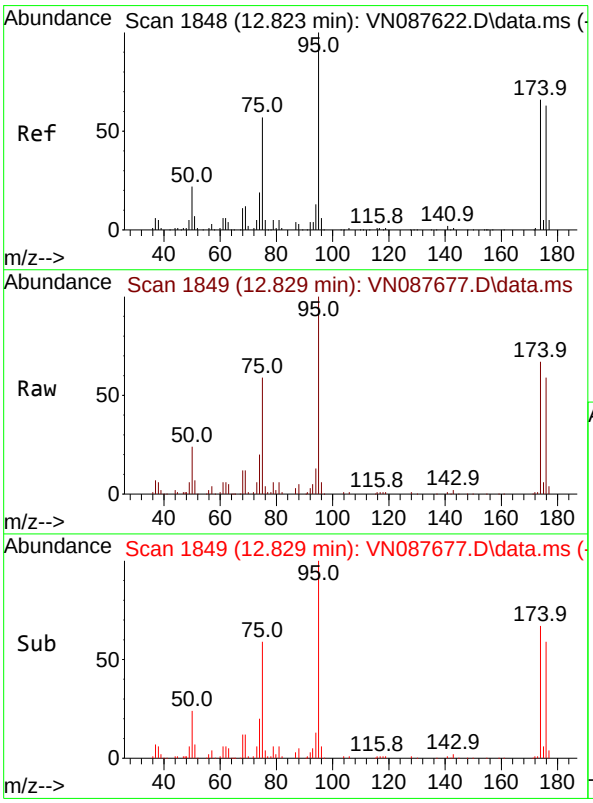
#50
Toluene-d8
Concen: 48.076 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion: 98 Resp: 505630

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.8	79.2

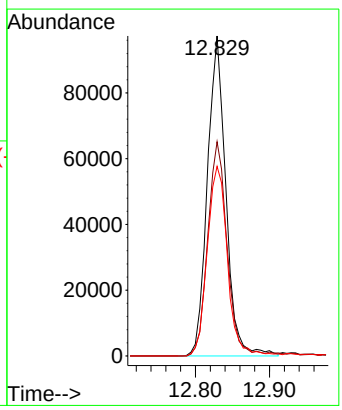


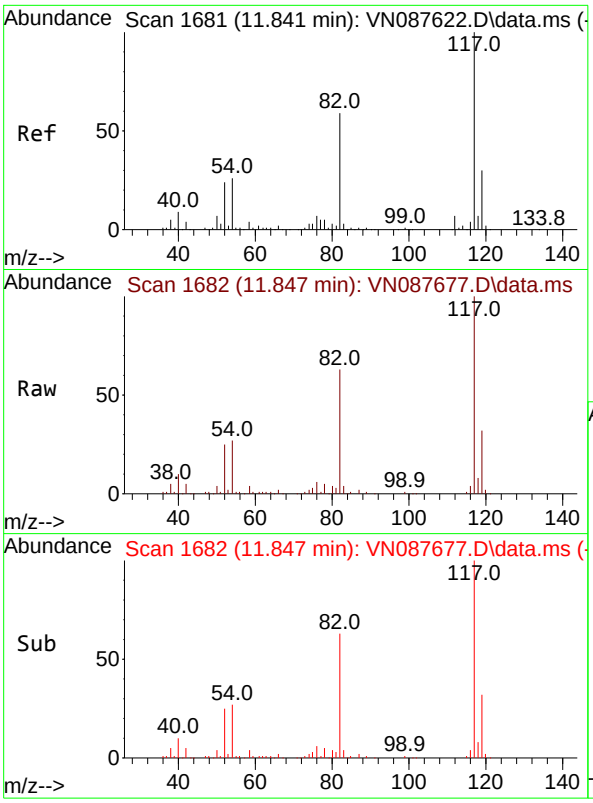


#62
4-Bromofluorobenzene
Concen: 45.116 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Tgt Ion: 95 Resp: 168747

Ion	Ratio	Lower	Upper
95	100		
174	69.7	0.0	138.4
176	64.8	0.0	132.6



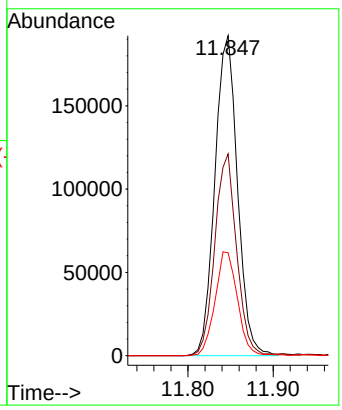


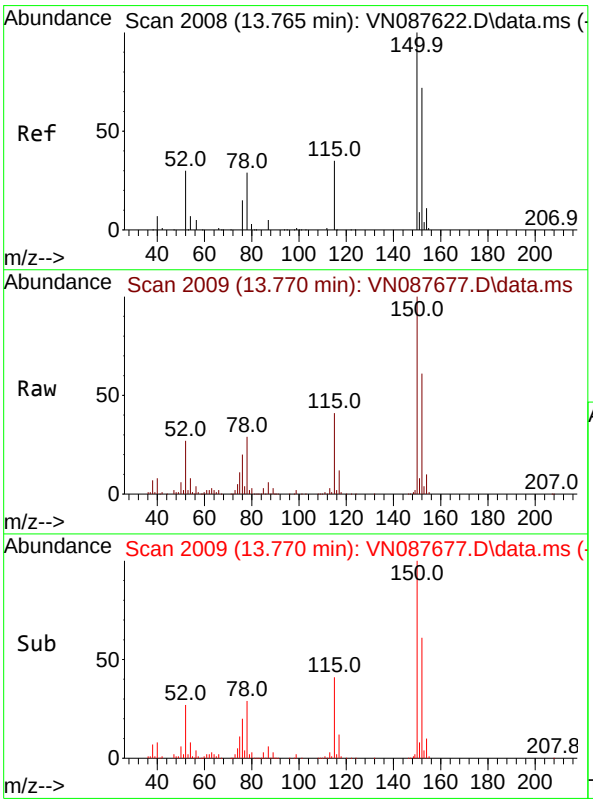
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion:117 Resp: 354647

Ion	Ratio	Lower	Upper
117	100		
82	63.1	47.4	71.2
119	32.2	24.3	36.5

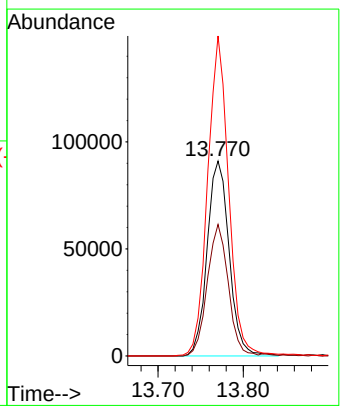




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Tgt Ion:152 Resp: 163207

Ion	Ratio	Lower	Upper
152	100		
115	64.4	32.3	96.8
150	157.6	0.0	351.0



Sample Results: **VN087677.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

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: VN087677.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	199107	485417	34.50%	6.774%
2	8.206	1058	1063	1075	rVB	243014	563361	40.03%	7.862%
3	8.559	1113	1123	1136	rBV	231480	522235	37.11%	7.288%
4	9.082	1203	1212	1225	rBV	473180	983935	69.92%	13.732%
5	10.547	1451	1461	1469	rBV	769878	1407186	100.00%	19.639%
6	11.847	1673	1682	1694	rBV	658686	1213593	86.24%	16.937%
7	12.829	1841	1849	1860	rBV	487545	870896	61.89%	12.154%
8	13.770	2002	2009	2023	rVB	643790	1118746	79.50%	15.613%

Sum of corrected areas: 7165369

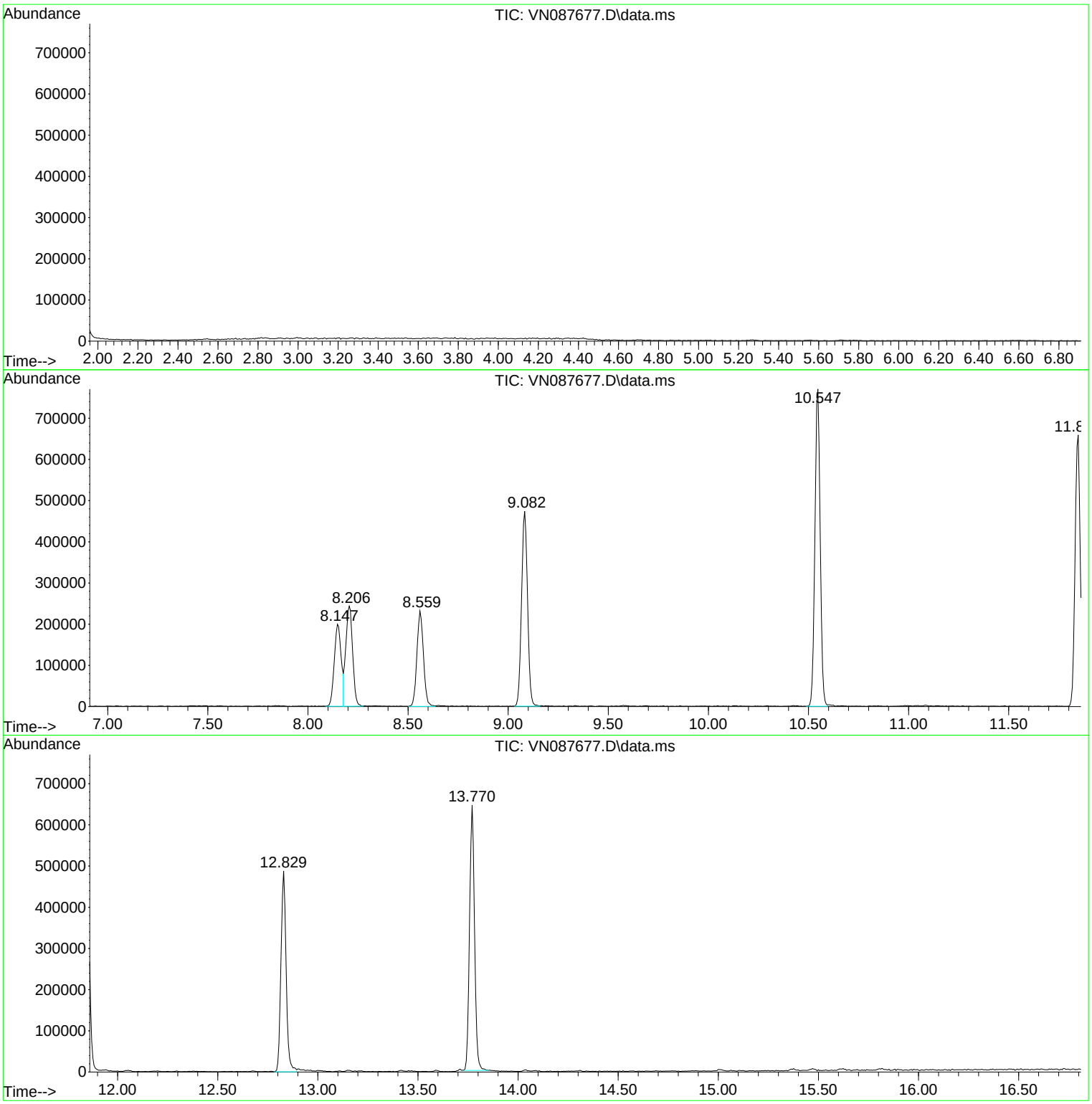
Sample Results: **VN087677.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

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



Library Search Compound Report

Sample Results: **VN087677.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

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\VN082825\
Data File : VN087677.D
Acq On : 28 Aug 2025 12:09
Operator : JC\MD
Sample : VN0828MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

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\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Quant Time: Aug 29 22:52:50 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

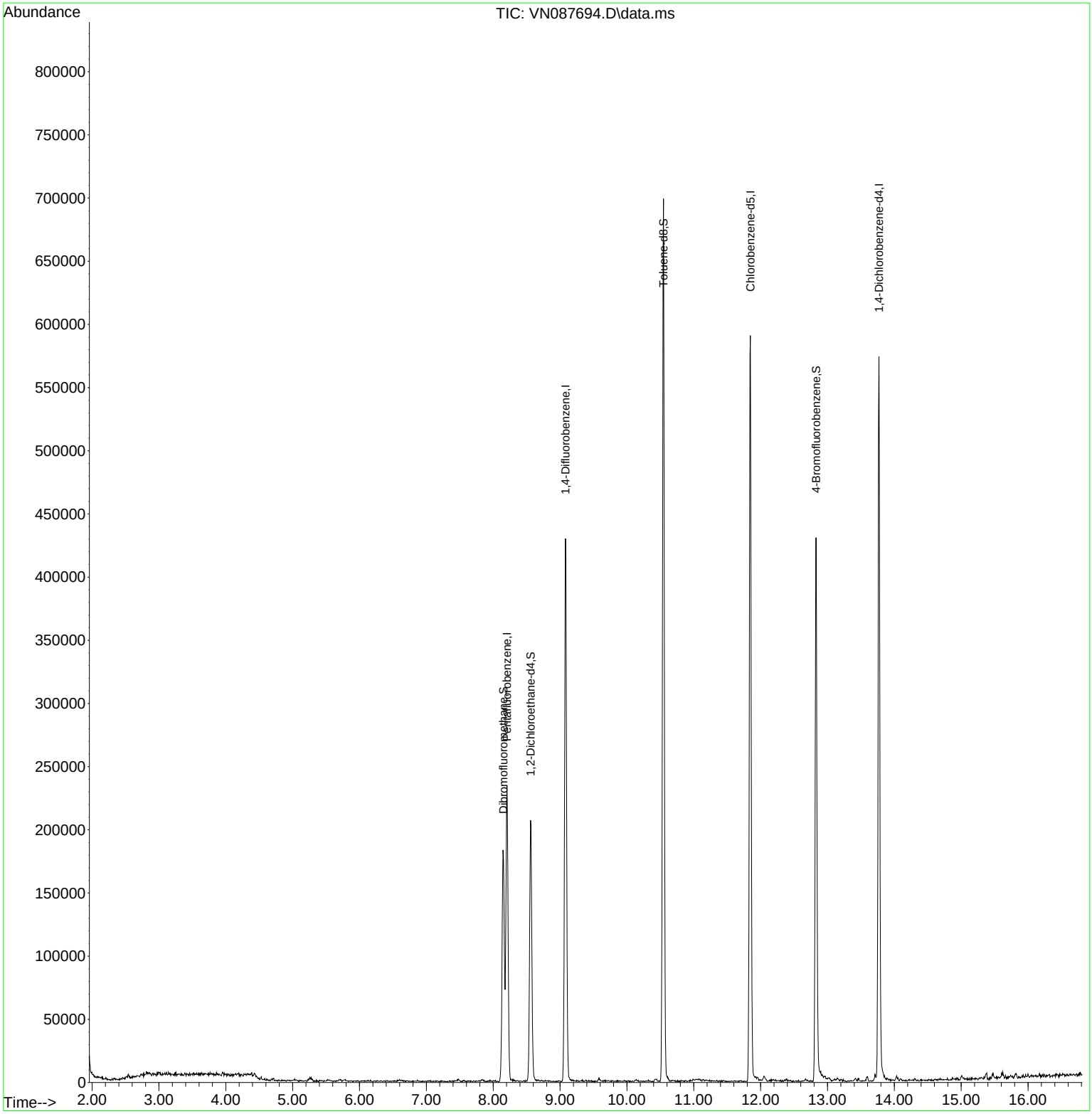
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	149197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	346944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	324171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	144779	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	169537	55.461	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.920%			
35) Dibromofluoromethane	8.153	113	127588	50.935	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.860%			
50) Toluene-d8	10.547	98	461268	49.199	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 98.400%			
62) 4-Bromofluorobenzene	12.829	95	149763	44.917	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.840%			
Target Compounds						Qvalue

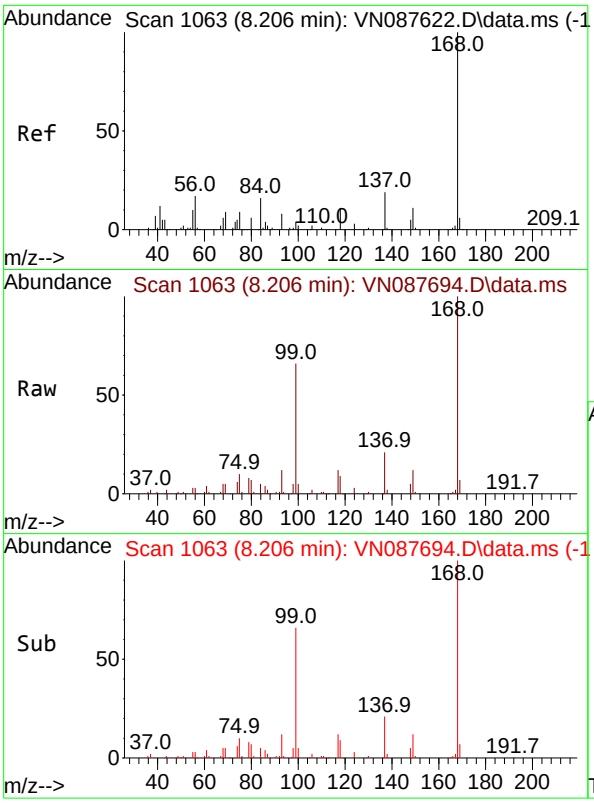
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Quant Time: Aug 29 22:52:50 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



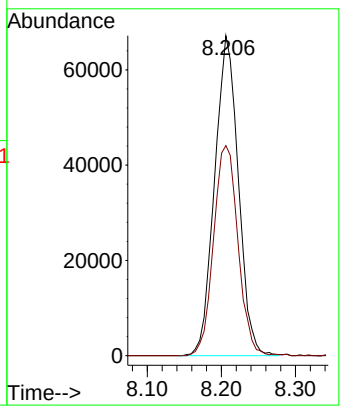


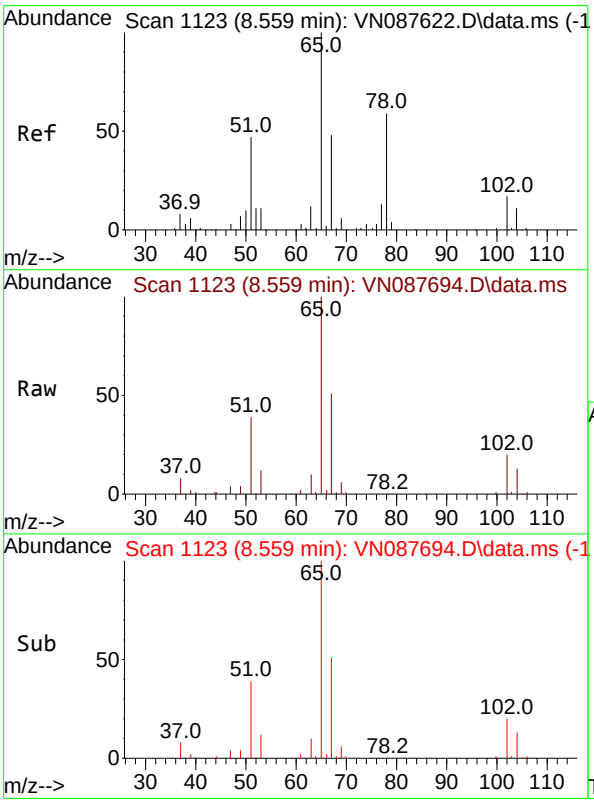
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion:168 Resp: 149197

Ion	Ratio	Lower	Upper
168	100		
99	65.7	57.2	85.8

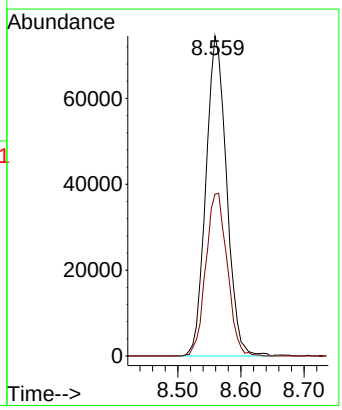


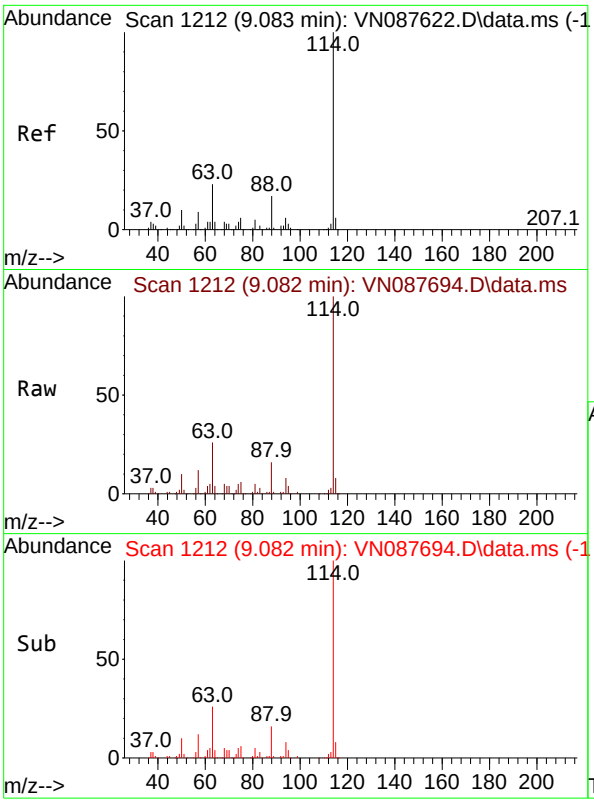


#33
1,2-Dichloroethane-d4
Concen: 55.461 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 65 Resp: 169537

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	100.0



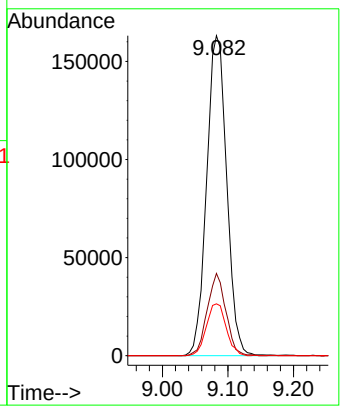


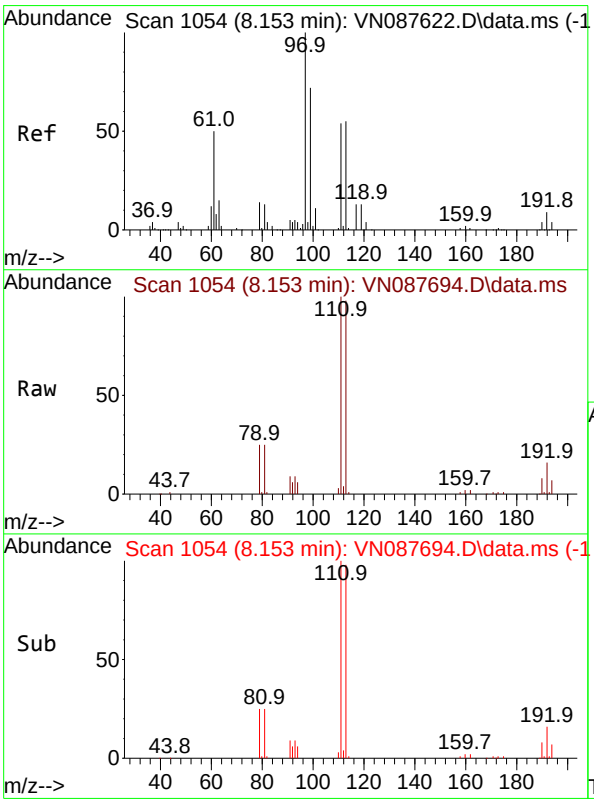
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion:114 Resp: 346944

Ion	Ratio	Lower	Upper
114	100		
63	25.7	0.0	45.2
88	16.2	0.0	33.4

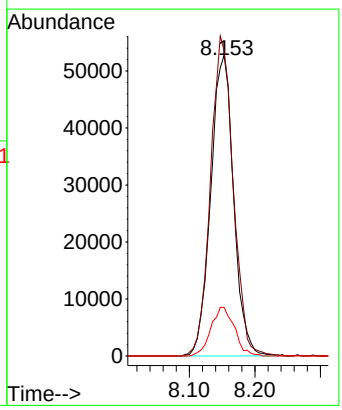


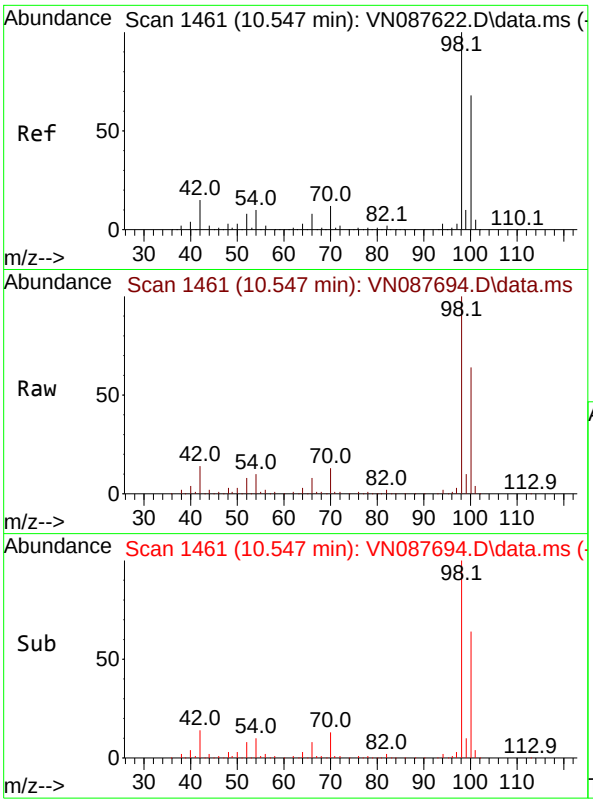


#35
Dibromofluoromethane
Concen: 50.935 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Tgt Ion:113 Resp: 127588

Ion	Ratio	Lower	Upper
113	100		
111	105.9	82.8	124.2
192	16.7	12.8	19.2



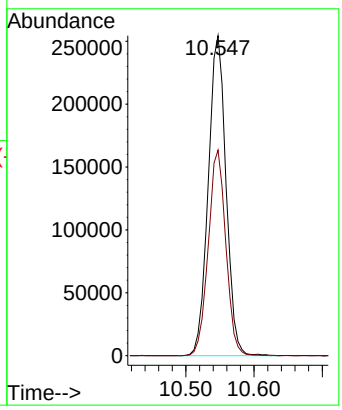


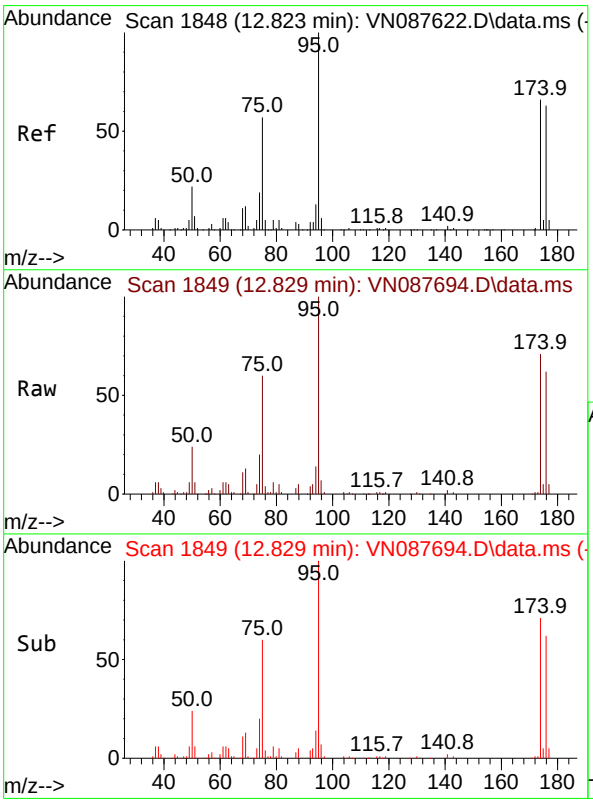
#50
Toluene-d8
Concen: 49.199 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion: 98 Resp: 461268

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.8	79.2

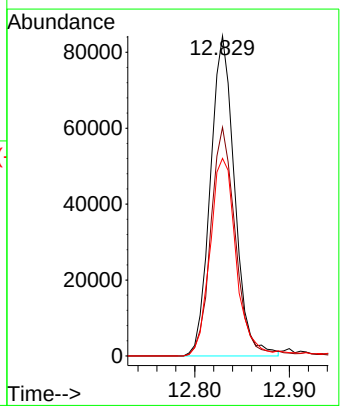


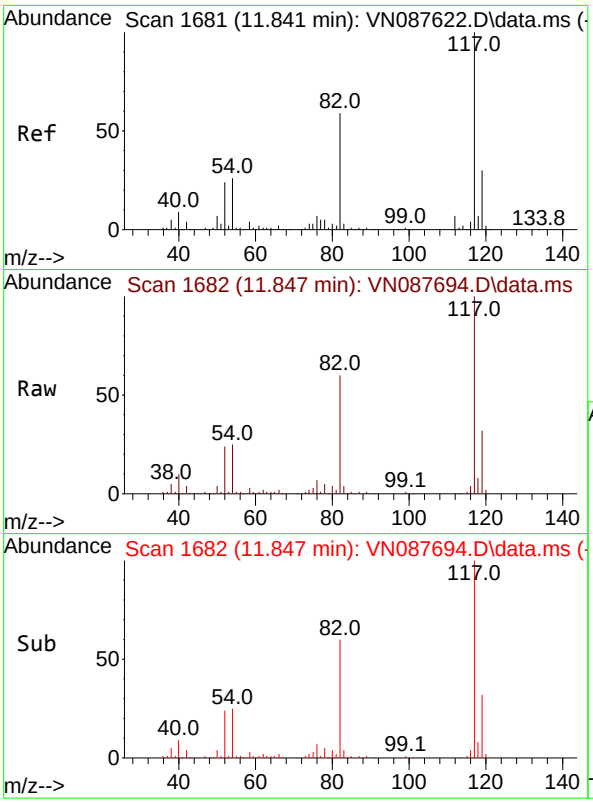


#62
4-Bromofluorobenzene
Concen: 44.917 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 95 Resp: 149763

Ion	Ratio	Lower	Upper
95	100		
174	72.7	0.0	138.4
176	66.0	0.0	132.6



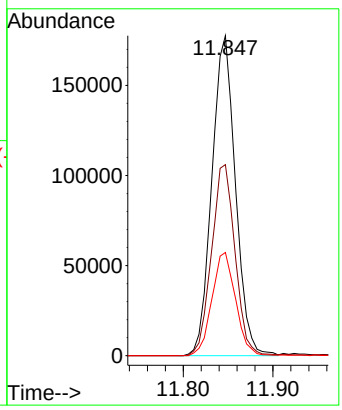


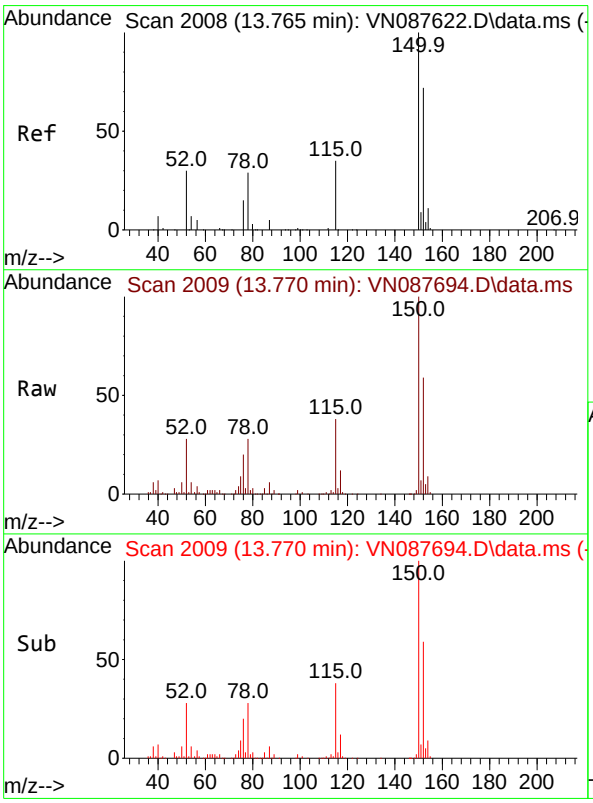
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion:117 Resp: 324171

Ion	Ratio	Lower	Upper
117	100		
82	59.7	47.4	71.2
119	32.2	24.3	36.5

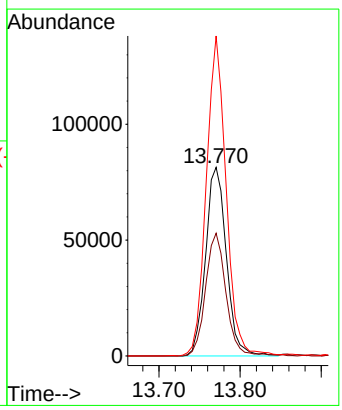




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Tgt Ion:152 Resp: 144779

Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.3	96.8
150	161.3	0.0	351.0



Sample Results: **VN087694.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

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: VN087694.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	183514	441268	34.53%	6.796%
2	8.206	1058	1063	1072	rVB	233153	512837	40.14%	7.898%
3	8.559	1113	1123	1135	rBV	206740	474642	37.15%	7.310%
4	9.082	1202	1212	1221	rBV	429786	893491	69.93%	13.760%
5	10.547	1452	1461	1470	rBV	698767	1277755	100.00%	19.678%
6	11.847	1673	1682	1694	rBV	590414	1101751	86.23%	16.968%
7	12.829	1841	1849	1860	rBV	430660	783572	61.32%	12.067%
8	13.770	2001	2009	2022	rVV	571496	1007959	78.89%	15.523%

Sum of corrected areas: 6493275

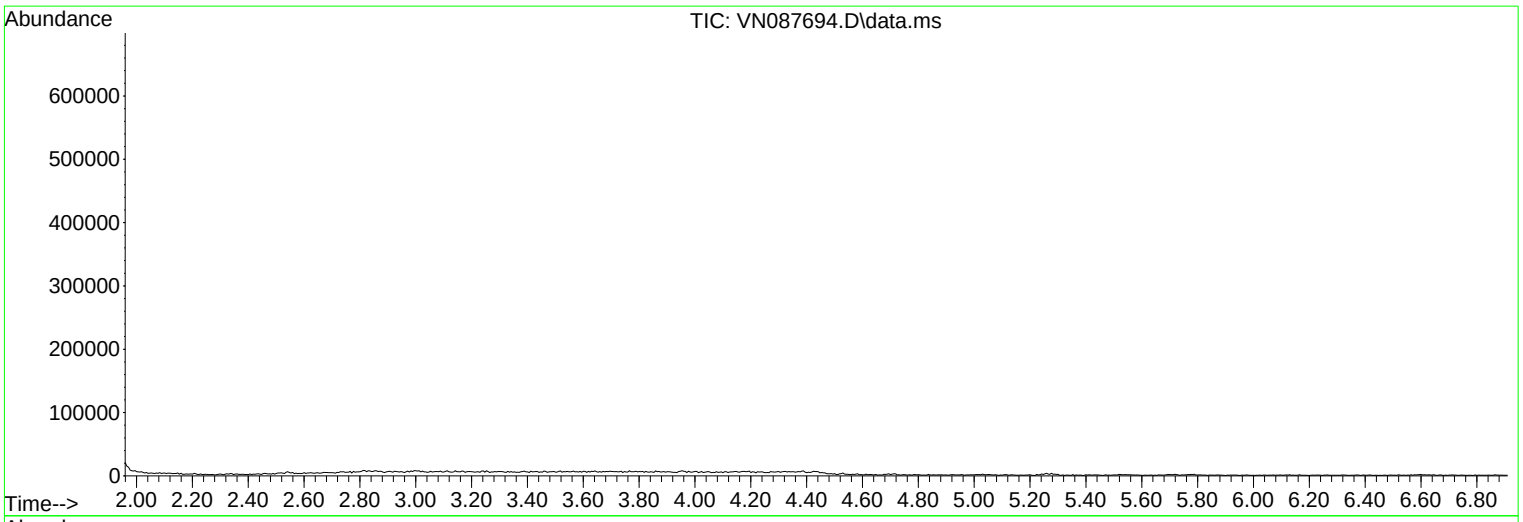
Sample Results: **VN087694.D**

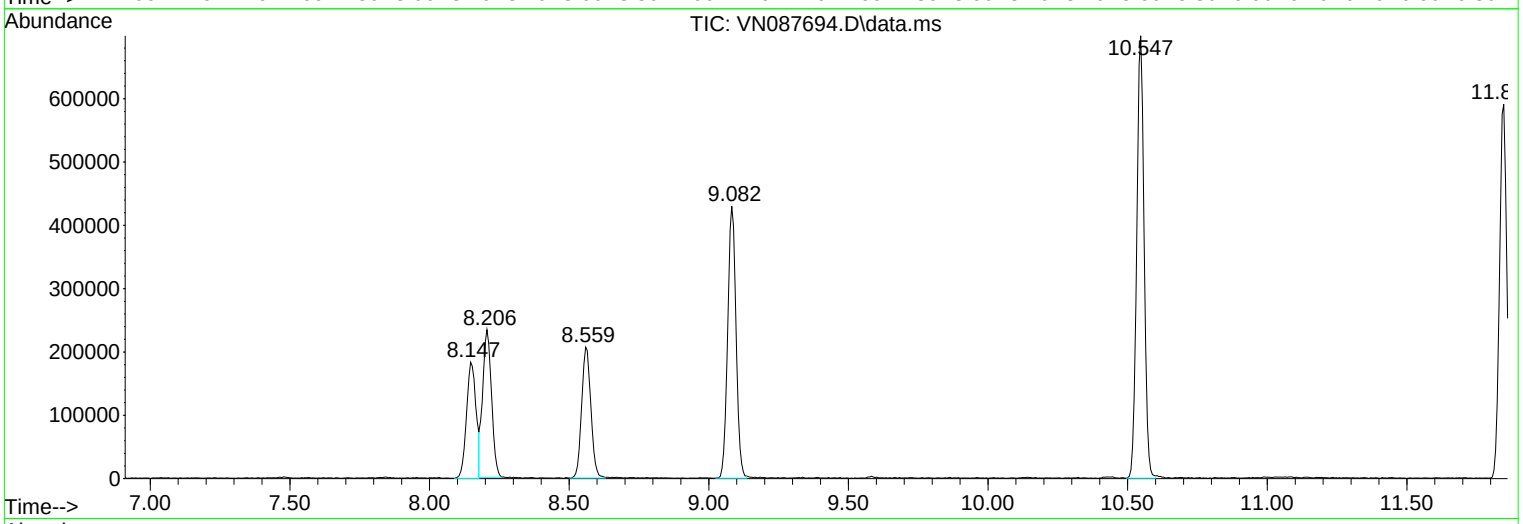
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

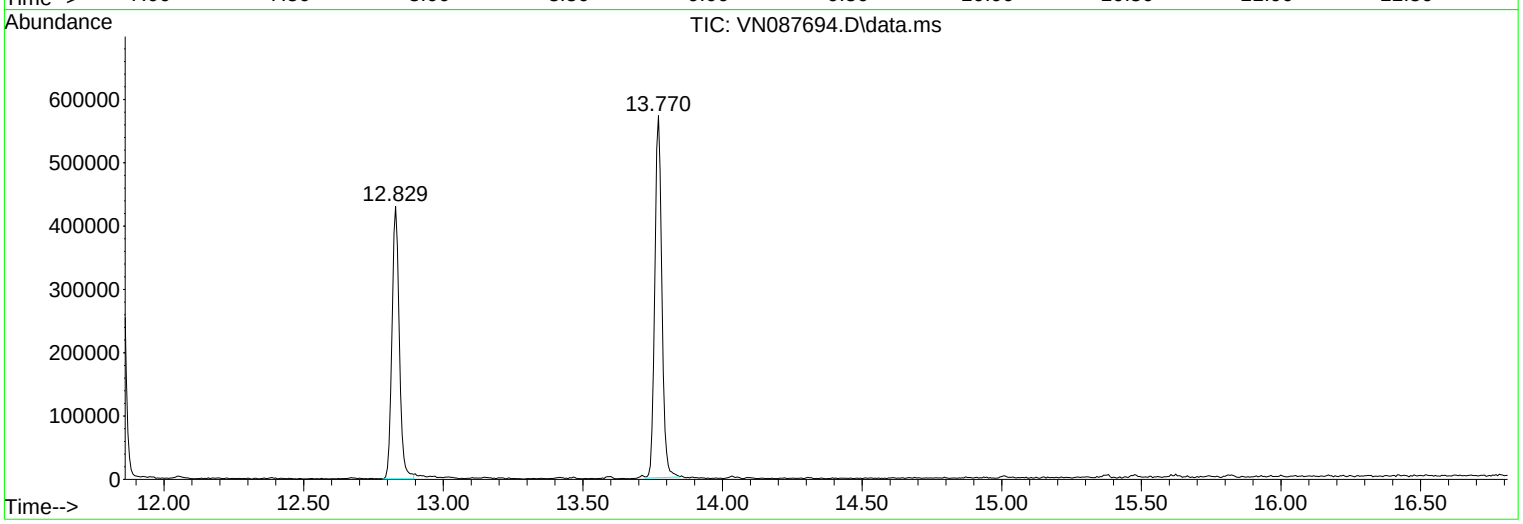
Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

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







Library Search Compound Report

Sample Results: **VN087694.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

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\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

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\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Quant Time: Aug 29 02:06:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	694700	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1286727	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	1122725	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	442680	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	338350	51.103	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 102.200%			
35) Dibromofluoromethane	7.640	113	398929	51.813	ug/l	0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 103.620%			
50) Toluene-d8	10.109	98	1524498	50.684	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.360%			
62) 4-Bromofluorobenzene	12.408	95	438387	45.320	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 90.640%			

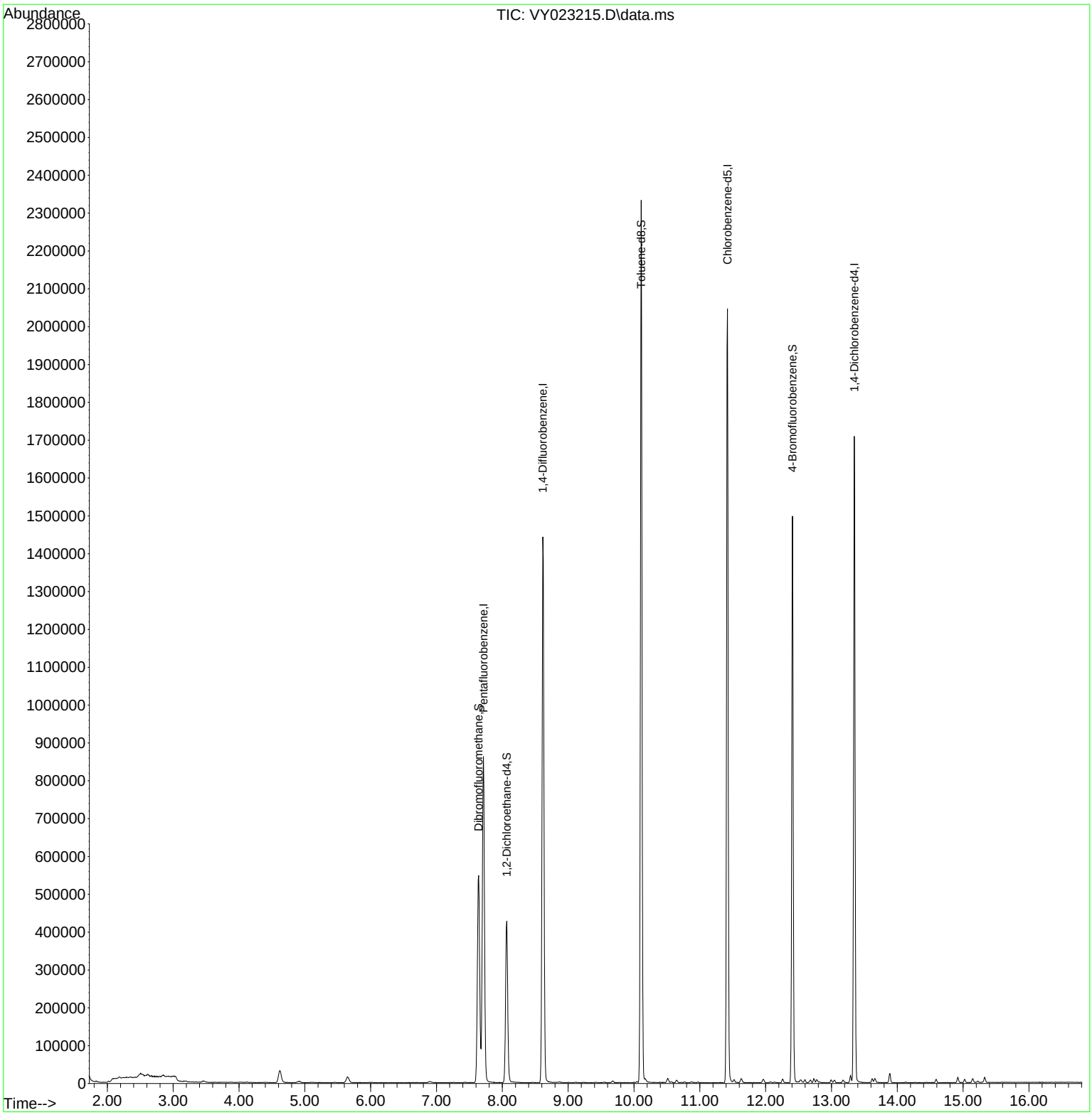
Target Compounds Qvalue

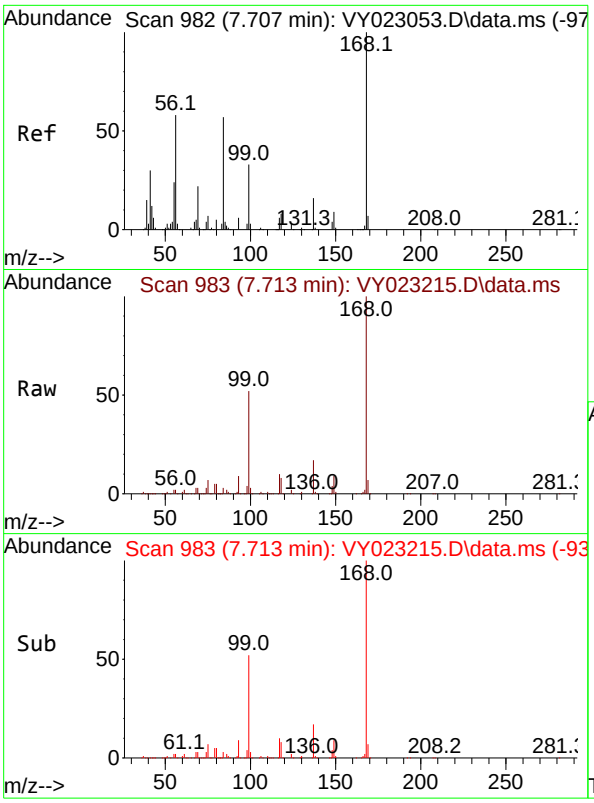
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Quant Time: Aug 29 02:06:36 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration



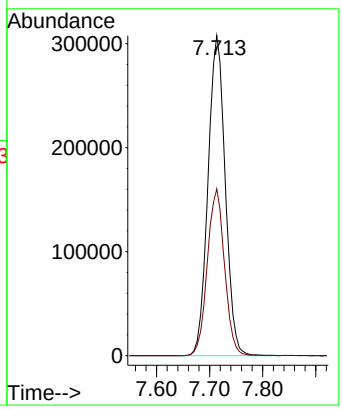


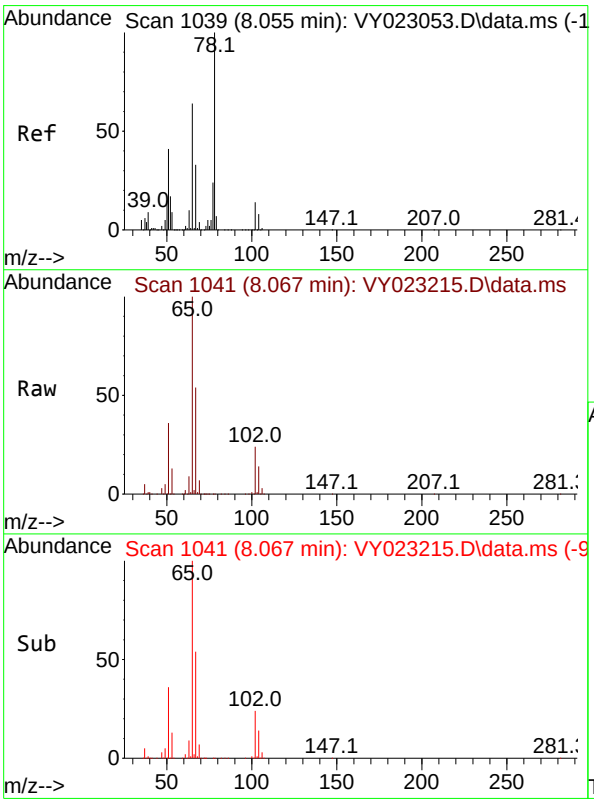
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion:168 Resp: 694700

Ion	Ratio	Lower	Upper
168	100		
99	52.1	42.8	64.2

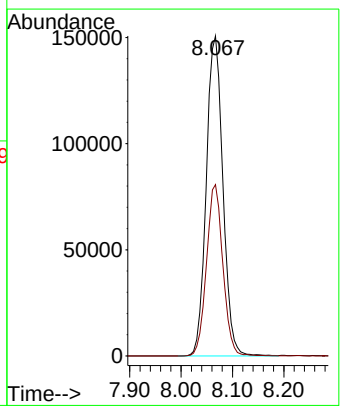


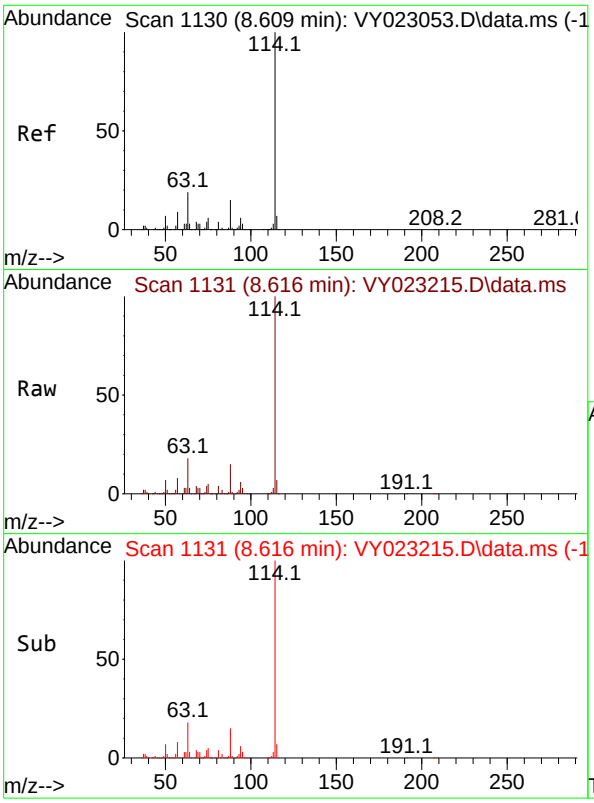


#33
1,2-Dichloroethane-d4
Concen: 51.103 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 65 Resp: 338350

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



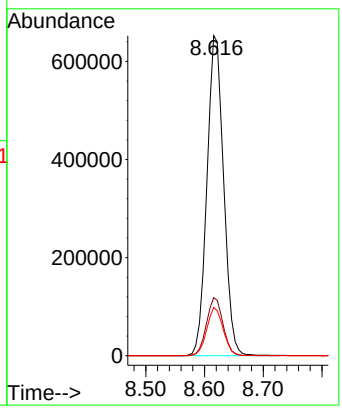


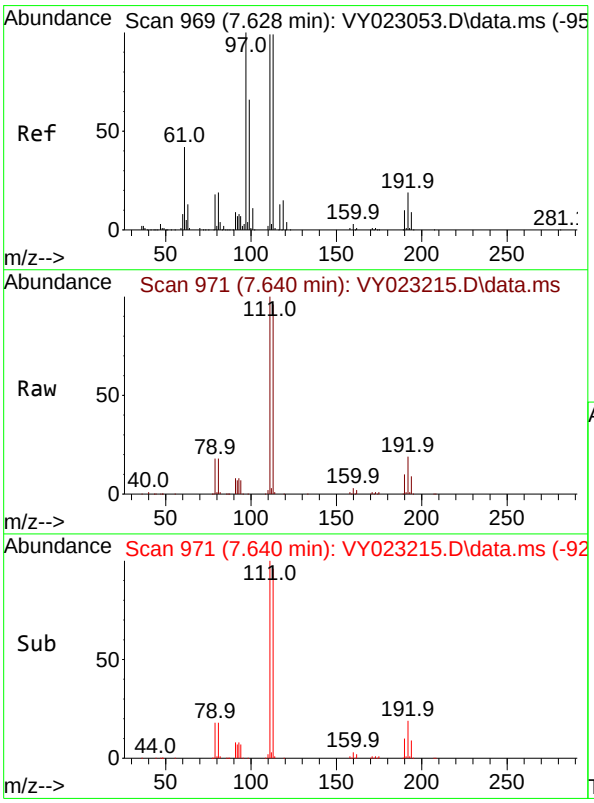
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion:114 Resp: 1286727

Ion	Ratio	Lower	Upper
114	100		
63	18.2	0.0	38.4
88	15.0	0.0	30.0

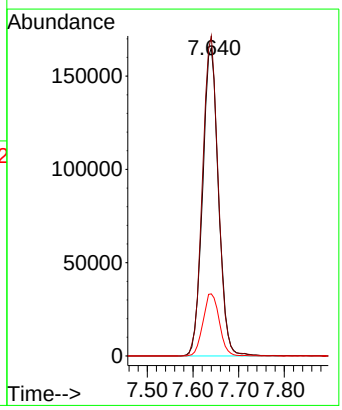


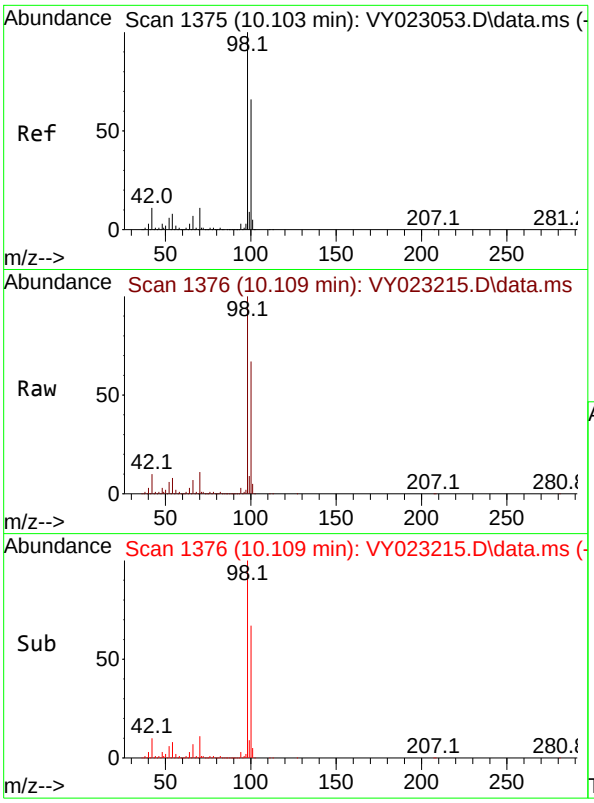


#35
Dibromofluoromethane
Concen: 51.813 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion:113 Resp: 398929

Ion	Ratio	Lower	Upper
113	100		
111	102.8	81.1	121.7
192	20.7	16.2	24.4



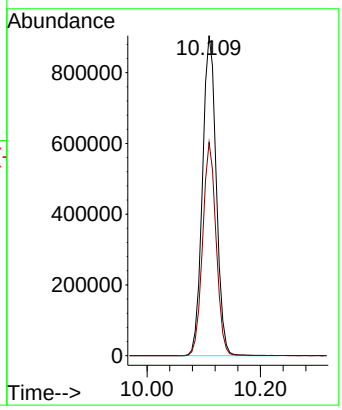


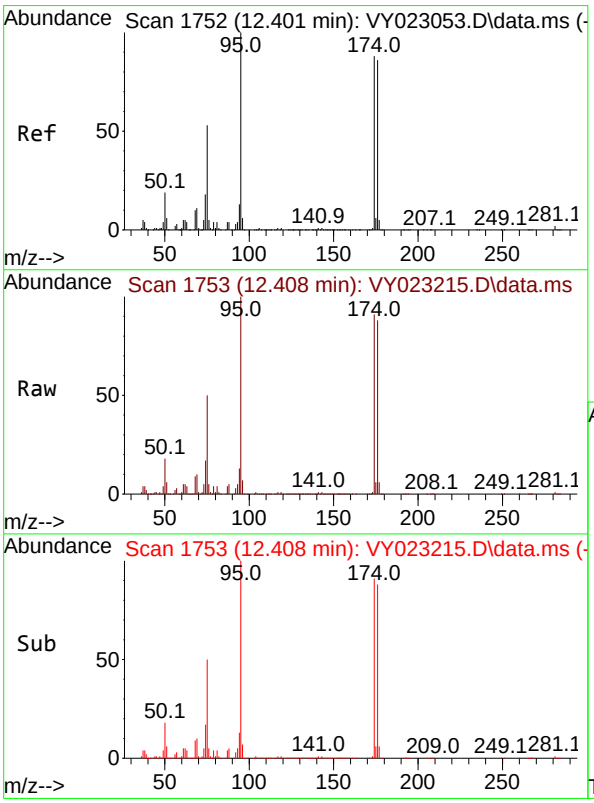
#50
Toluene-d8
Concen: 50.684 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion: 98 Resp: 1524498

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

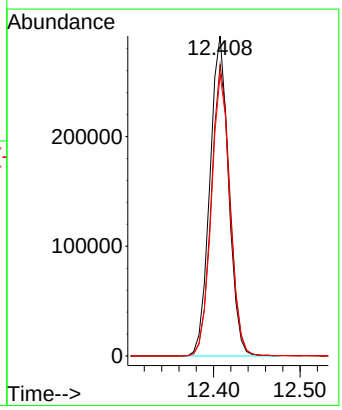


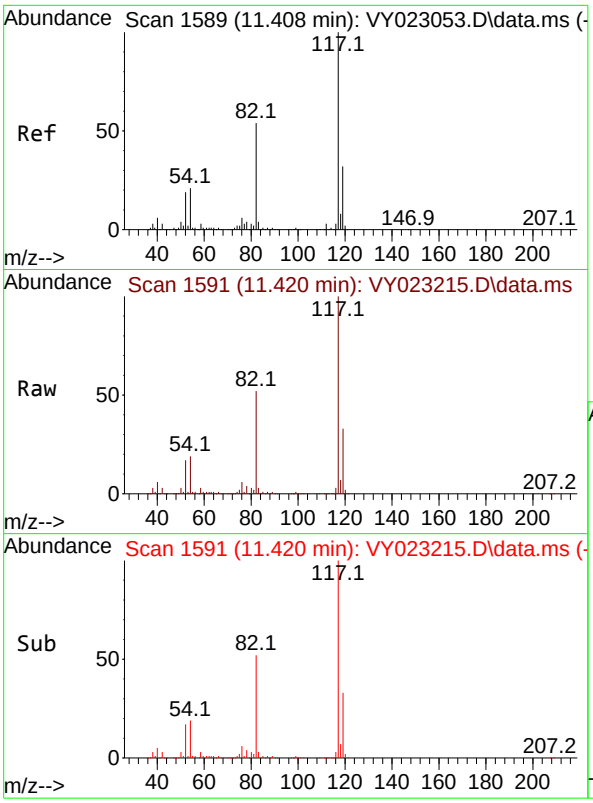


#62
4-Bromofluorobenzene
Concen: 45.320 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 95 Resp: 438387

Ion	Ratio	Lower	Upper
95	100		
174	91.1	0.0	171.6
176	87.7	0.0	167.6



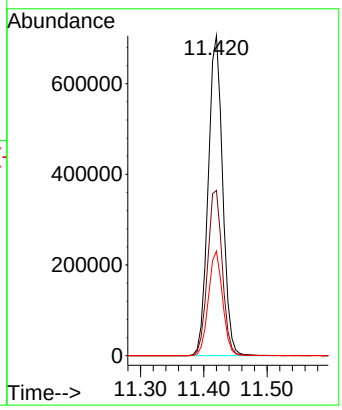


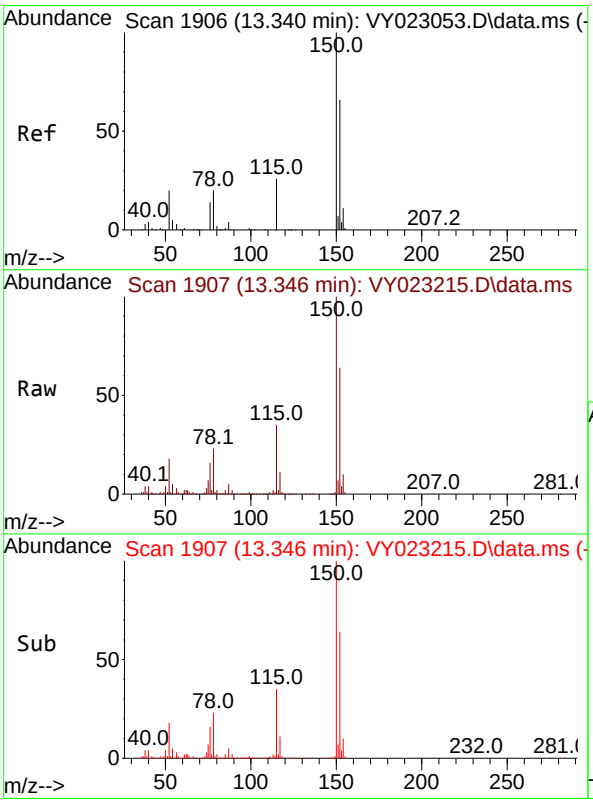
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion:117 Resp: 1122725

Ion	Ratio	Lower	Upper
117	100		
82	51.6	43.4	65.0
119	32.7	25.6	38.4

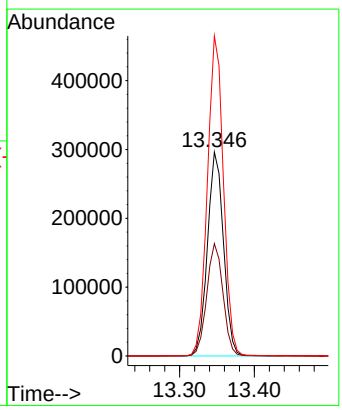




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion:152 Resp: 442680

Ion	Ratio	Lower	Upper
152	100		
115	55.8	28.2	84.6
150	156.5	0.0	348.0



Sample Results: **VY023215.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

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\82Y081225S.M
Title : SW846 8260

Signal : TIC: VY023215.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.622	464	476	487	rBV2	32068	103377	2.65%	0.533%
2	5.647	634	644	659	rBV2	15466	47926	1.23%	0.247%
3	7.640	960	971	977	rBV	547597	1334845	34.20%	6.886%
4	7.713	977	983	998	rVB	860545	1946371	49.87%	10.041%
5	8.067	1031	1041	1053	rBV	426764	964465	24.71%	4.975%
6	8.616	1121	1131	1145	rBV	1442940	2838766	72.74%	14.644%
7	10.109	1368	1376	1385	rBV	2331175	3902653	100.00%	20.132%
8	11.420	1581	1591	1603	rBV	2045973	3315702	84.96%	17.105%
9	12.408	1745	1753	1764	rBV	1497423	2298949	58.91%	11.859%
10	13.346	1901	1907	1929	rVB	1708093	2589922	66.36%	13.360%
11	13.889	1989	1996	2003	rVB2	24615	41948	1.07%	0.216%

Sum of corrected areas: 19384924

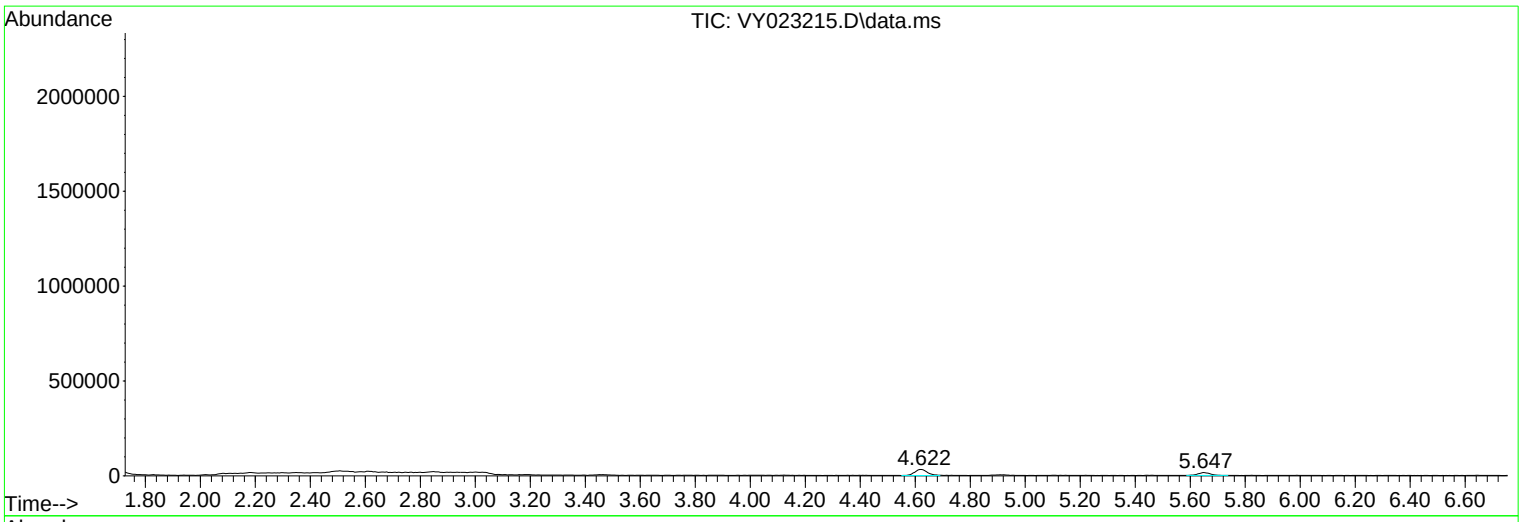
Sample Results: **VY023215.D**

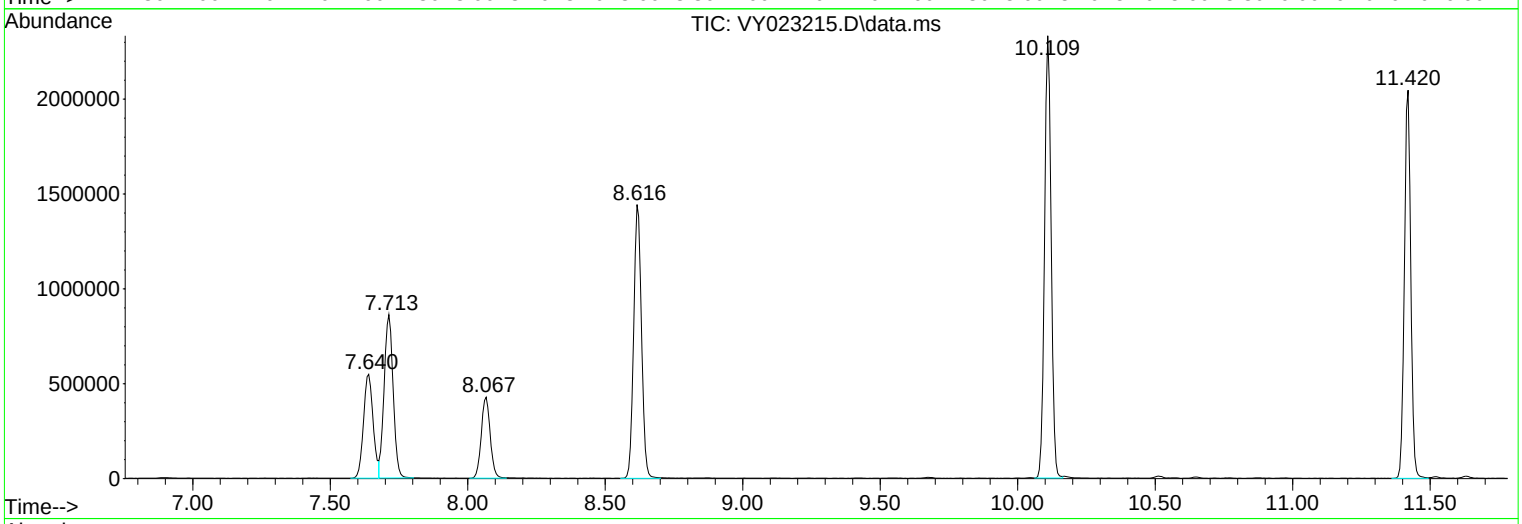
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

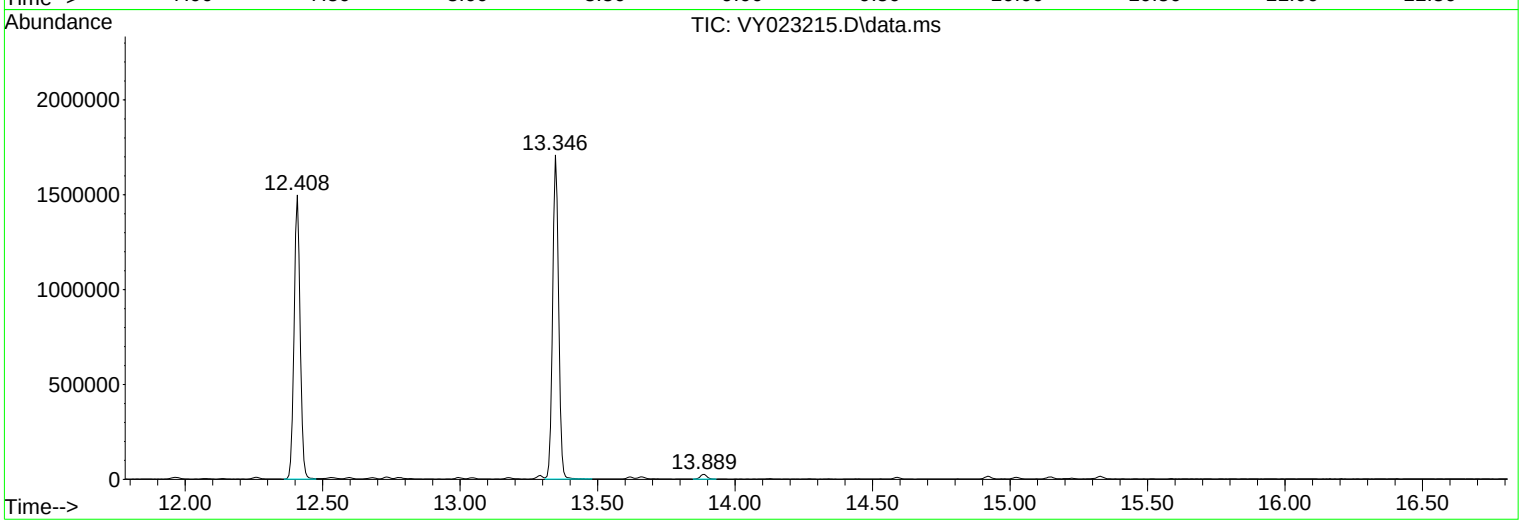
Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY023215.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.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\VN082825\
Data File : VN087680.D
Acq On : 28 Aug 2025 13:24
Operator : JC\MD
Sample : VN0828MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 03:16:51 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 :
VN0828MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/29/2025
Supervised By :Semsettin Yesilyurt 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	211485	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	408603	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	370187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	186353	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	203158	46.885	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 93.780%			
35) Dibromofluoromethane	8.147	113	147561	50.019	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.040%			
50) Toluene-d8	10.547	98	524256	47.480	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 94.960%			
62) 4-Bromofluorobenzene	12.829	95	183287	46.676	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	61374	20.433	ug/l	98
3) Chloromethane	2.383	50	59091	19.143	ug/l	93
4) Vinyl Chloride	2.536	62	67837	18.954	ug/l	100
5) Bromomethane	2.983	94	34531	18.698	ug/l	93
6) Chloroethane	3.142	64	45198	17.968	ug/l	91
7) Trichlorofluoromethane	3.512	101	99722	19.018	ug/l	93
8) Diethyl Ether	3.959	74	39132	17.136	ug/l	92
9) 1,1,2-Trichlorotrifluo...	4.365	101	55966	18.862	ug/l	98
10) Methyl Iodide	4.577	142	30677	18.761	ug/l	97
11) Tert butyl alcohol	5.524	59	67144	89.259	ug/l #	92
12) 1,1-Dichloroethene	4.336	96	53720	17.618	ug/l	92
13) Acrolein	4.183	56	72666	78.577	ug/l	98
14) Allyl chloride	5.012	41	83077	15.035	ug/l	93
15) Acrylonitrile	5.712	53	183151	86.331	ug/l	98
16) Acetone	4.424	43	193013	81.827	ug/l	99
17) Carbon Disulfide	4.700	76	137848	16.422	ug/l	96
18) Methyl Acetate	5.018	43	92312	18.691	ug/l	98
19) Methyl tert-butyl Ether	5.788	73	196955	17.219	ug/l	96
20) Methylene Chloride	5.271	84	63133	17.702	ug/l	96
21) trans-1,2-Dichloroethene	5.765	96	55407	16.767	ug/l #	79
22) Diisopropyl ether	6.659	45	209173	17.542	ug/l	98
23) Vinyl Acetate	6.588	43	946844	87.282	ug/l	98
24) 1,1-Dichloroethane	6.553	63	111795	17.100	ug/l	97
25) 2-Butanone	7.471	43	272688	87.871	ug/l	99
26) 2,2-Dichloropropane	7.477	77	95856	17.083	ug/l	97
27) cis-1,2-Dichloroethene	7.471	96	65878	16.676	ug/l	96
28) Bromochloromethane	7.794	49	57250	18.114	ug/l	97
29) Tetrahydrofuran	7.830	42	169313	84.778	ug/l	99
30) Chloroform	7.947	83	119392	17.892	ug/l	96
31) Cyclohexane	8.241	56	97119	17.819	ug/l	92
32) 1,1,1-Trichloroethane	8.147	97	100573	17.784	ug/l	95
36) 1,1-Dichloropropene	8.353	75	76175	16.831	ug/l	98
37) Ethyl Acetate	7.547	43	105957	17.133	ug/l	97
38) Carbon Tetrachloride	8.347	117	84141	18.830	ug/l	99
39) Methylcyclohexane	9.576	83	89392	17.940	ug/l	98
40) Benzene	8.588	78	241215	17.377	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087680.D
Acq On : 28 Aug 2025 13:24
Operator : JC\MD
Sample : VN0828MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 03:16:51 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 :
VN0828MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/29/2025
Supervised By :Semsettin Yesilyurt 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	55238	17.243	ug/l		96
42) 1,2-Dichloroethane	8.653	62	93566	17.540	ug/l		98
43) Isopropyl Acetate	8.671	43	173012	17.918	ug/l		99
44) Trichloroethene	9.335	130	54478	17.190	ug/l		96
45) 1,2-Dichloropropane	9.600	63	61896	16.916	ug/l		96
46) Dibromomethane	9.688	93	45634	17.526	ug/l		95
47) Bromodichloromethane	9.871	83	96586	18.100	ug/l		91
48) Methyl methacrylate	9.659	41	80291	17.580	ug/l		96
49) 1,4-Dioxane	9.682	88	22007	371.763	ug/l	#	91
51) 4-Methyl-2-Pentanone	10.423	43	540127	92.716	ug/l		98
52) Toluene	10.606	92	148910	17.304	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	96916	17.546	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	101790	17.748	ug/l		96
55) 1,1,2-Trichloroethane	10.994	97	59593	17.901	ug/l		96
56) Ethyl methacrylate	10.859	69	96822	18.199	ug/l		98
57) 1,3-Dichloropropane	11.141	76	106592	18.092	ug/l		98
58) 2-Chloroethyl Vinyl ether	10.141	63	267088	92.752	ug/l		100
59) 2-Hexanone	11.176	43	336693	91.449	ug/l		96
60) Dibromochloromethane	11.341	129	67261	17.437	ug/l		97
61) 1,2-Dibromoethane	11.453	107	64733	18.441	ug/l		97
64) Tetrachloroethene	11.082	164	43678	17.006	ug/l		96
65) Chlorobenzene	11.870	112	159575	17.327	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	56642	18.526	ug/l		98
67) Ethyl Benzene	11.941	91	284977	17.872	ug/l		96
68) m/p-Xylenes	12.053	106	209338	35.796	ug/l		99
69) o-Xylene	12.376	106	101056	17.633	ug/l		99
70) Styrene	12.394	104	169650	17.669	ug/l		97
71) Bromoform	12.559	173	42728	18.222	ug/l	#	98
73) Isopropylbenzene	12.676	105	267617	17.772	ug/l		100
74) N-amyl acetate	12.564	43	103194m	18.083	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.917	83	95232	18.369	ug/l		99
76) 1,2,3-Trichloropropane	12.970	75	92024m	21.058	ug/l		
77) Bromobenzene	12.959	156	63384	17.852	ug/l		99
78) n-propylbenzene	13.012	91	340179	18.340	ug/l		99
79) 2-Chlorotoluene	13.106	91	201697	18.070	ug/l		97
80) 1,3,5-Trimethylbenzene	13.147	105	228483	17.886	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.717	75	26280	15.920	ug/l		94
82) 4-Chlorotoluene	13.200	91	206057	17.558	ug/l		99
83) tert-Butylbenzene	13.417	119	188957	17.750	ug/l		97
84) 1,2,4-Trimethylbenzene	13.459	105	227517	17.791	ug/l		100
85) sec-Butylbenzene	13.594	105	291493	18.452	ug/l		100
86) p-Isopropyltoluene	13.706	119	233475	17.898	ug/l		99
87) 1,3-Dichlorobenzene	13.711	146	125252	17.914	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	128102	17.605	ug/l		98
89) n-Butylbenzene	14.035	91	236014	18.218	ug/l		98
90) Hexachloroethane	14.306	117	45435	18.282	ug/l		95
91) 1,2-Dichlorobenzene	14.082	146	118425	17.853	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22137	17.974	ug/l		95
93) 1,2,4-Trichlorobenzene	15.364	180	68524	17.203	ug/l		97
94) Hexachlorobutadiene	15.470	225	26462	18.634	ug/l		98
95) Naphthalene	15.611	128	237793	16.854	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	67896	17.436	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087680.D
Acq On : 28 Aug 2025 13:24
Operator : JC\MD
Sample : VN0828MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 03:16:51 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 :
VN0828MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/29/2025
Supervised By :Semsettin Yesilyurt 08/29/2025

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

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

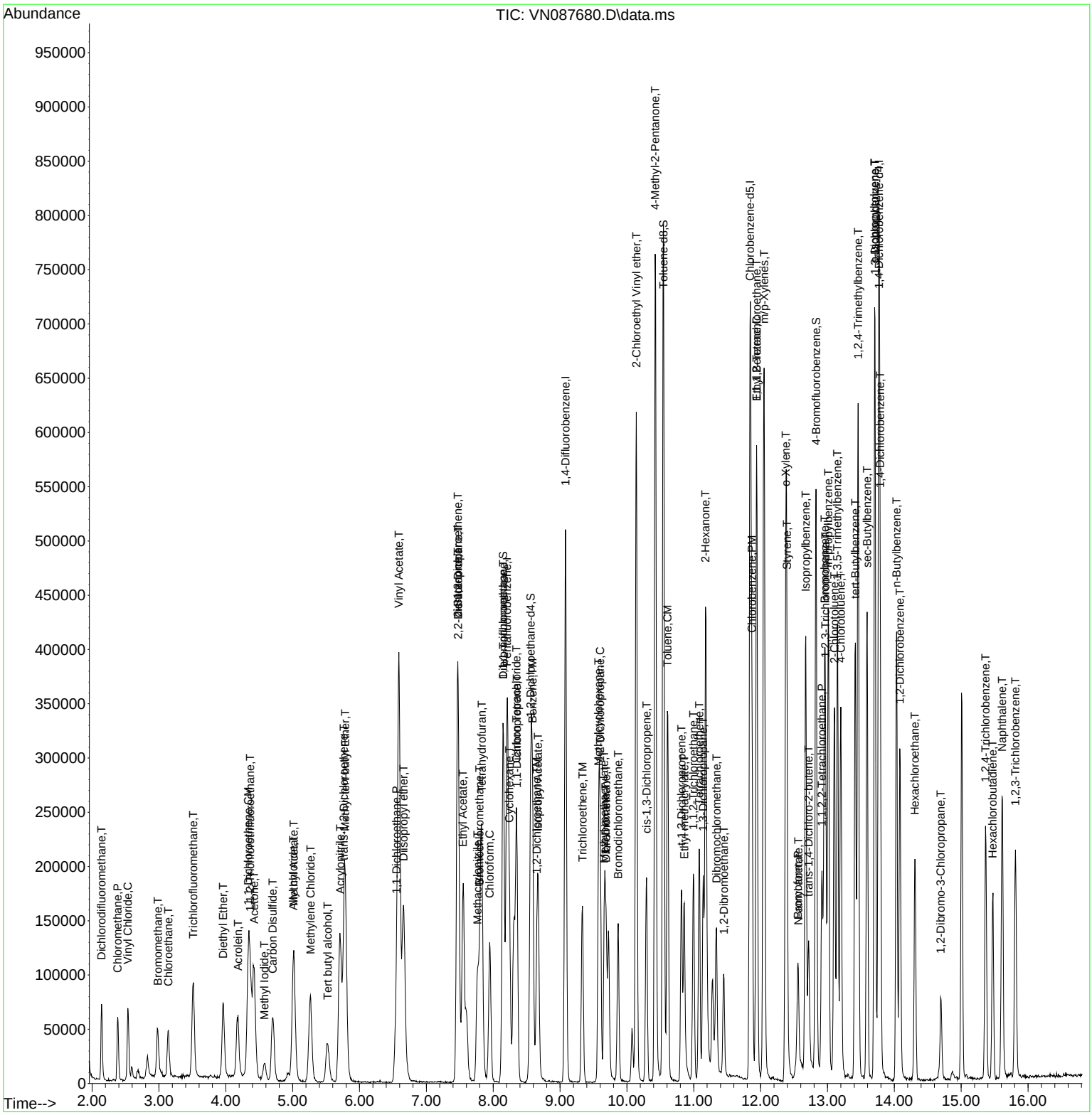
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087680.D
Acq On : 28 Aug 2025 13:24
Operator : JC\MD
Sample : VN0828MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 29 03:16:51 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 :
VN0828MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/29/2025
Supervised By :Semsettin Yesilyurt 08/29/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087696.D
Acq On : 29 Aug 2025 13:24
Operator : JC\MD
Sample : VN0829MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 22:53:44 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 :
VN0829MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	188928	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	373365	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	351090	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	178354	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.565	65	187772	48.508	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 97.020%			
35) Dibromofluoromethane	8.147	113	126636	46.977	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.960%			
50) Toluene-d8	10.547	98	461350	45.726	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.460%			
62) 4-Bromofluorobenzene	12.829	95	165941	46.247	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.500%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	51190	19.077	ug/l	98
3) Chloromethane	2.383	50	55531	20.138	ug/l	94
4) Vinyl Chloride	2.536	62	61029	19.088	ug/l	96
5) Bromomethane	2.977	94	32491	19.694	ug/l	99
6) Chloroethane	3.136	64	41645	18.532	ug/l	95
7) Trichlorofluoromethane	3.506	101	90530	19.326	ug/l	98
8) Diethyl Ether	3.965	74	38190	18.720	ug/l	97
9) 1,1,2-Trichlorotrifluo...	4.365	101	48908	18.452	ug/l	97
10) Methyl Iodide	4.571	142	26311	18.284	ug/l	91
11) Tert butyl alcohol	5.530	59	65482	97.443	ug/l #	85
12) 1,1-Dichloroethene	4.336	96	50191	18.426	ug/l	87
13) Acrolein	4.171	56	64784	78.418	ug/l	99
14) Allyl chloride	5.006	41	80908	16.391	ug/l	98
15) Acrylonitrile	5.706	53	176216	92.979	ug/l	97
16) Acetone	4.424	43	195049	92.563	ug/l	99
17) Carbon Disulfide	4.695	76	123567	16.478	ug/l	98
18) Methyl Acetate	5.018	43	89056	20.185	ug/l	99
19) Methyl tert-butyl Ether	5.789	73	185853	18.188	ug/l	97
20) Methylene Chloride	5.265	84	57586	18.102	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	49933	16.914	ug/l	89
22) Diisopropyl ether	6.665	45	194004	18.213	ug/l	98
23) Vinyl Acetate	6.595	43	882161	91.028	ug/l	98
24) 1,1-Dichloroethane	6.553	63	106632	18.258	ug/l	98
25) 2-Butanone	7.477	43	256683	92.589	ug/l	97
26) 2,2-Dichloropropane	7.477	77	89854	17.925	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	61880	17.534	ug/l	97
28) Bromochloromethane	7.800	49	55580	19.685	ug/l	98
29) Tetrahydrofuran	7.830	42	158693	88.947	ug/l	99
30) Chloroform	7.947	83	112063	18.799	ug/l	96
31) Cyclohexane	8.241	56	80311	16.495	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	91842	18.179	ug/l	95
36) 1,1-Dichloropropene	8.353	75	68123	16.473	ug/l	98
37) Ethyl Acetate	7.553	43	91214	16.141	ug/l	96
38) Carbon Tetrachloride	8.341	117	71797	17.584	ug/l	94
39) Methylcyclohexane	9.583	83	70588	15.504	ug/l	97
40) Benzene	8.588	78	227341	17.923	ug/l	96

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087696.D
Acq On : 29 Aug 2025 13:24
Operator : JC\MD
Sample : VN0829MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 22:53:44 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 :
VN0829MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	50902	17.389	ug/l		96
42) 1,2-Dichloroethane	8.653	62	89468	18.355	ug/l		99
43) Isopropyl Acetate	8.677	43	161391	18.292	ug/l		98
44) Trichloroethene	9.335	130	49364	17.046	ug/l		95
45) 1,2-Dichloropropane	9.600	63	61307	18.337	ug/l		98
46) Dibromomethane	9.688	93	44167	18.563	ug/l		99
47) Bromodichloromethane	9.871	83	90297	18.518	ug/l		94
48) Methyl methacrylate	9.665	41	72668	17.413	ug/l		96
49) 1,4-Dioxane	9.683	88	21957	405.926	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.424	43	513315	96.430	ug/l		98
52) Toluene	10.606	92	140083	17.814	ug/l		100
53) t-1,3-Dichloropropene	10.812	75	90004	17.832	ug/l		99
54) cis-1,3-Dichloropropene	10.294	75	94514	18.034	ug/l		90
55) 1,1,2-Trichloroethane	10.994	97	57761	18.988	ug/l		97
56) Ethyl methacrylate	10.859	69	86431	17.779	ug/l		97
57) 1,3-Dichloropropane	11.141	76	101919	18.931	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	249840	94.951	ug/l		99
59) 2-Hexanone	11.182	43	323063	96.028	ug/l		97
60) Dibromochloromethane	11.335	129	64331	18.251	ug/l		99
61) 1,2-Dibromoethane	11.447	107	59517	18.555	ug/l		100
64) Tetrachloroethene	11.082	164	40745	16.727	ug/l		93
65) Chlorobenzene	11.865	112	155048	17.751	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.941	131	54995	18.965	ug/l		97
67) Ethyl Benzene	11.941	91	262980	17.389	ug/l		94
68) m/p-Xylenes	12.047	106	193034	34.804	ug/l		100
69) o-Xylene	12.376	106	95307	17.534	ug/l		99
70) Styrene	12.388	104	165073	18.128	ug/l		98
71) Bromoform	12.559	173	40149	18.053	ug/l	#	98
73) Isopropylbenzene	12.671	105	242355	16.816	ug/l		98
74) N-amyl acetate	12.588	43	89313m	16.353	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	91872	18.515	ug/l		99
76) 1,2,3-Trichloropropane	12.971	75	86750m	20.741	ug/l		
77) Bromobenzene	12.959	156	61668	18.148	ug/l		96
78) n-propylbenzene	13.012	91	306151	17.246	ug/l		99
79) 2-Chlorotoluene	13.106	91	184458	17.266	ug/l		98
80) 1,3,5-Trimethylbenzene	13.147	105	208329	17.040	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.718	75	26155	16.555	ug/l		88
82) 4-Chlorotoluene	13.200	91	197936	17.622	ug/l		99
83) tert-Butylbenzene	13.418	119	172447	16.926	ug/l		100
84) 1,2,4-Trimethylbenzene	13.459	105	212720	17.380	ug/l		100
85) sec-Butylbenzene	13.594	105	254993	16.865	ug/l		100
86) p-Isopropyltoluene	13.706	119	208869	16.730	ug/l		100
87) 1,3-Dichlorobenzene	13.712	146	119113	17.800	ug/l		97
88) 1,4-Dichlorobenzene	13.788	146	120426	17.293	ug/l		97
89) n-Butylbenzene	14.035	91	209655	16.909	ug/l		99
90) Hexachloroethane	14.306	117	41538	17.464	ug/l		96
91) 1,2-Dichlorobenzene	14.082	146	112278	17.685	ug/l		100
92) 1,2-Dibromo-3-Chloropr...	14.700	75	19357	16.422	ug/l		96
93) 1,2,4-Trichlorobenzene	15.370	180	66279	17.386	ug/l		98
94) Hexachlorobutadiene	15.476	225	23354	17.183	ug/l		98
95) Naphthalene	15.612	128	225308	16.685	ug/l		100
96) 1,2,3-Trichlorobenzene	15.812	180	63231	16.966	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087696.D
Acq On : 29 Aug 2025 13:24
Operator : JC\MD
Sample : VN0829MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 22:53:44 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 :
VN0829MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025

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

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

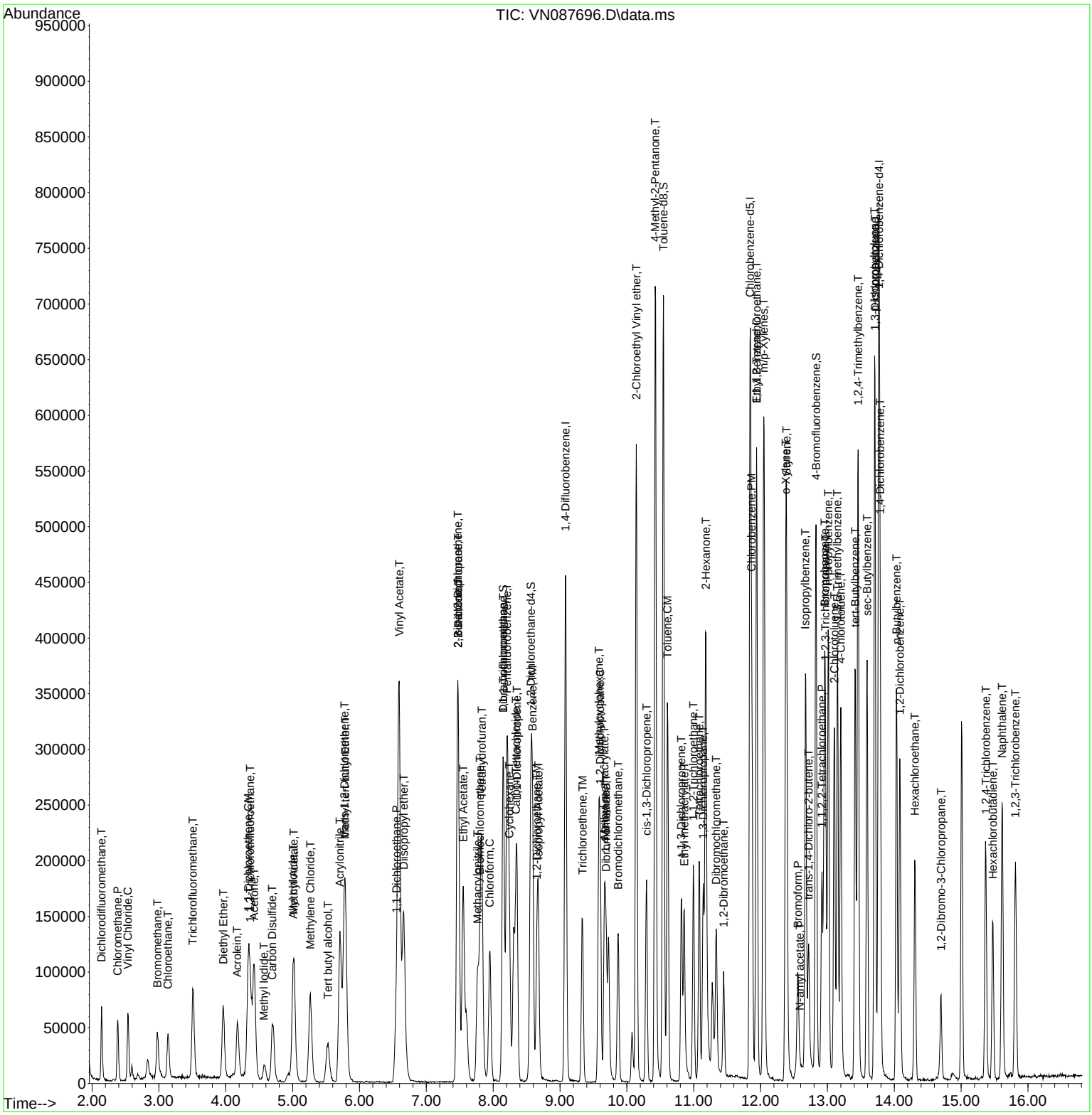
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087696.D
Acq On : 29 Aug 2025 13:24
Operator : JC\MD
Sample : VN0829MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 29 22:53:44 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 :
VN0829MBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 09/02/2025
Supervised By :Semsettin Yesilyurt 09/03/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023216.D
Acq On : 28 Aug 2025 10:58
Operator : SY/MD
Sample : VY0828SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 02:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	498098	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	773362	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	674652	50.000	ug/l	0.01
72) 1,4-Dichlorobenzene-d4	13.346	152	338228	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	211496	44.552	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 89.100%			
35) Dibromofluoromethane	7.634	113	224907	48.602	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.200%			
50) Toluene-d8	10.109	98	870100	48.131	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.260%			
62) 4-Bromofluorobenzene	12.408	95	271734	46.739	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 93.480%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	83858	20.625	ug/l	97
3) Chloromethane	2.074	50	125293	19.026	ug/l	100
4) Vinyl Chloride	2.208	62	158742	19.501	ug/l	100
5) Bromomethane	2.598	94	129210	21.254	ug/l	99
6) Chloroethane	2.739	64	108018	19.959	ug/l	94
7) Trichlorofluoromethane	3.062	101	192173	19.415	ug/l	98
8) Diethyl Ether	3.458	74	51389	19.624	ug/l	96
9) 1,1,2-Trichlorotrifluo...	3.818	101	102761	21.044	ug/l	97
10) Methyl Iodide	4.007	142	108284	20.550	ug/l	99
11) Tert butyl alcohol	4.866	59	27140	83.437	ug/l	98
12) 1,1-Dichloroethene	3.793	96	100174	20.870	ug/l	94
13) Acrolein	3.653	56	23134	48.563	ug/l	96
14) Allyl chloride	4.385	41	131421	18.608	ug/l	97
15) Acrylonitrile	5.061	53	94735	88.983	ug/l	99
16) Acetone	3.872	43	112821	109.699	ug/l	98
17) Carbon Disulfide	4.110	76	306008	19.552	ug/l	98
18) Methyl Acetate	4.391	43	54395	17.773	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	232384	18.684	ug/l	100
20) Methylene Chloride	4.616	84	116812	20.240	ug/l	98
21) trans-1,2-Dichloroethene	5.116	96	110389	20.465	ug/l	97
22) Diisopropyl ether	6.018	45	290855	18.951	ug/l	93
23) Vinyl Acetate	5.964	43	759068	89.446	ug/l	98
24) 1,1-Dichloroethane	5.921	63	187797	20.014	ug/l	100
25) 2-Butanone	6.896	43	132415	94.667	ug/l	96
26) 2,2-Dichloropropane	6.890	77	166801	20.601	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125779	20.170	ug/l	97
28) Bromochloromethane	7.250	49	71877	19.308	ug/l	91
29) Tetrahydrofuran	7.262	42	73570	84.854	ug/l	97
30) Chloroform	7.421	83	202146	20.889	ug/l	95
31) Cyclohexane	7.701	56	163947	18.541	ug/l	99
32) 1,1,1-Trichloroethane	7.622	97	176604	20.567	ug/l	99
36) 1,1-Dichloropropene	7.841	75	139904	20.343	ug/l	97
37) Ethyl Acetate	6.988	43	52562	18.194	ug/l	97
38) Carbon Tetrachloride	7.823	117	157947	21.145	ug/l	97
39) Methylcyclohexane	9.109	83	182393	20.140	ug/l	97
40) Benzene	8.085	78	440711	20.792	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023216.D
Acq On : 28 Aug 2025 10:58
Operator : SY/MD
Sample : VY0828SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 02:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.226	41	31972	19.176	ug/l		96
42) 1,2-Dichloroethane	8.158	62	109363	19.838	ug/l		99
43) Isopropyl Acetate	8.201	43	103991	17.810	ug/l	#	83
44) Trichloroethene	8.865	130	121943	22.262	ug/l		99
45) 1,2-Dichloropropane	9.146	63	98914	20.281	ug/l		97
46) Dibromomethane	9.231	93	56739	20.269	ug/l		96
47) Bromodichloromethane	9.426	83	149137	20.705	ug/l		98
48) Methyl methacrylate	9.225	41	49287	17.640	ug/l		96
49) 1,4-Dioxane	9.231	88	12530	381.748	ug/l		91
51) 4-Methyl-2-Pentanone	9.999	43	261747	86.904	ug/l		99
52) Toluene	10.170	92	283148	21.032	ug/l		99
53) t-1,3-Dichloropropene	10.396	75	126830	19.445	ug/l		97
54) cis-1,3-Dichloropropene	9.859	75	153698	19.927	ug/l		97
55) 1,1,2-Trichloroethane	10.573	97	79072	21.110	ug/l		98
56) Ethyl methacrylate	10.438	69	86063	17.956	ug/l		96
57) 1,3-Dichloropropane	10.719	76	127696	20.102	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.713	63	188653	83.442	ug/l		97
59) 2-Hexanone	10.762	43	188411	91.868	ug/l		99
60) Dibromochloromethane	10.914	129	102355	20.709	ug/l		99
61) 1,2-Dibromoethane	11.018	107	70975	20.160	ug/l		100
64) Tetrachloroethene	10.646	164	149009	24.735	ug/l		97
65) Chlorobenzene	11.444	112	307503	21.131	ug/l		98
66) 1,1,1,2-Tetrachloroethane	11.517	131	104833	21.226	ug/l		97
67) Ethyl Benzene	11.517	91	511453	20.423	ug/l		96
68) m/p-Xylenes	11.627	106	404563	41.363	ug/l		98
69) o-Xylene	11.956	106	187580	20.477	ug/l		100
70) Styrene	11.969	104	305060	20.363	ug/l		99
71) Bromoform	12.133	173	58850	20.388	ug/l	#	99
73) Isopropylbenzene	12.255	105	490612	20.552	ug/l		100
74) N-amyl acetate	12.072	43	84323	16.657	ug/l		96
75) 1,1,2,2-Tetrachloroethane	12.505	83	73253	17.972	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	59295m	18.165	ug/l		
77) Bromobenzene	12.536	156	121226	21.286	ug/l		94
78) n-propylbenzene	12.597	91	582228	20.486	ug/l		98
79) 2-Chlorotoluene	12.682	91	335016	20.573	ug/l		99
80) 1,3,5-Trimethylbenzene	12.737	105	397240	20.590	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.304	75	25038	18.567	ug/l		98
82) 4-Chlorotoluene	12.779	91	345600	20.459	ug/l		98
83) tert-Butylbenzene	12.999	119	354889	20.367	ug/l		99
84) 1,2,4-Trimethylbenzene	13.042	105	393756	20.502	ug/l		99
85) sec-Butylbenzene	13.176	105	529646	20.692	ug/l		99
86) p-Isopropyltoluene	13.292	119	443763	20.886	ug/l		99
87) 1,3-Dichlorobenzene	13.285	146	234109	20.845	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	232922	20.907	ug/l		99
89) n-Butylbenzene	13.621	91	388450	19.906	ug/l		99
90) Hexachloroethane	13.877	117	93560	21.511	ug/l		98
91) 1,2-Dichlorobenzene	13.657	146	206517	20.967	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11525	18.160	ug/l		92
93) 1,2,4-Trichlorobenzene	14.919	180	115389	19.811	ug/l		98
94) Hexachlorobutadiene	15.023	225	71675	20.941	ug/l		97
95) Naphthalene	15.145	128	172952	17.414	ug/l		100
96) 1,2,3-Trichlorobenzene	15.328	180	97205	19.367	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023216.D
Acq On : 28 Aug 2025 10:58
Operator : SY/MD
Sample : VY0828SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 02:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

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

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

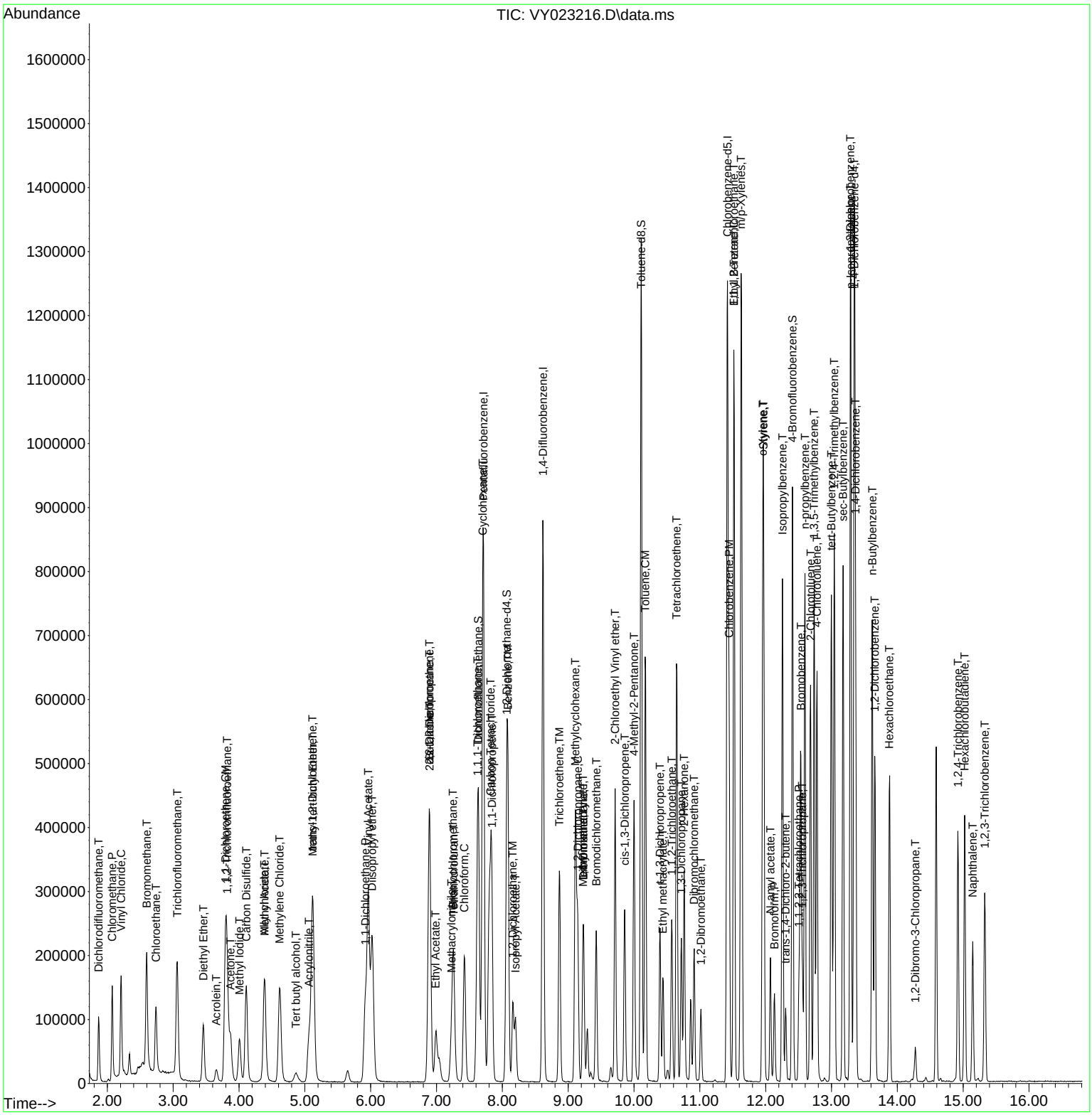
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023216.D
Acq On : 28 Aug 2025 10:58
Operator : SY/MD
Sample : VY0828SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Quant Time: Aug 29 02:06:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBS01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023217.D
Acq On : 28 Aug 2025 11:20
Operator : SY/MD
Sample : VY0828SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 02:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.713	168	479921	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	762688	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	660180	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	335118	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	218562	47.784	ug/l	0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 95.560%			
35) Dibromofluoromethane	7.634	113	226580	49.649	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.300%			
50) Toluene-d8	10.109	98	862905	48.401	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.800%			
62) 4-Bromofluorobenzene	12.402	95	272412	47.512	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.020%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80920	20.657	ug/l	99
3) Chloromethane	2.074	50	124106	19.560	ug/l	96
4) Vinyl Chloride	2.208	62	153540	19.576	ug/l	97
5) Bromomethane	2.592	94	129511	22.110	ug/l	98
6) Chloroethane	2.739	64	106516	20.427	ug/l	98
7) Trichlorofluoromethane	3.056	101	187616	19.673	ug/l	99
8) Diethyl Ether	3.458	74	54900	21.758	ug/l	93
9) 1,1,2-Trichlorotrifluo...	3.818	101	98798	20.998	ug/l	97
10) Methyl Iodide	4.007	142	110516	21.768	ug/l	99
11) Tert butyl alcohol	4.866	59	31803	101.476	ug/l #	83
12) 1,1-Dichloroethene	3.793	96	95780	20.710	ug/l	93
13) Acrolein	3.659	56	24260	52.856	ug/l	94
14) Allyl chloride	4.385	41	127813	18.782	ug/l	97
15) Acrylonitrile	5.061	53	105424	102.774	ug/l	99
16) Acetone	3.873	43	123676	124.808	ug/l	99
17) Carbon Disulfide	4.110	76	298694	19.808	ug/l	100
18) Methyl Acetate	4.385	43	61088	20.716	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	243063	20.282	ug/l	96
20) Methylene Chloride	4.622	84	121753	22.130	ug/l	95
21) trans-1,2-Dichloroethene	5.122	96	109960	21.157	ug/l	93
22) Diisopropyl ether	6.019	45	294410	19.910	ug/l	93
23) Vinyl Acetate	5.964	43	795497	97.289	ug/l	100
24) 1,1-Dichloroethane	5.921	63	184265	20.382	ug/l	99
25) 2-Butanone	6.896	43	153350	113.786	ug/l	93
26) 2,2-Dichloropropane	6.890	77	160990	20.637	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	125451	20.880	ug/l	97
28) Bromochloromethane	7.250	49	72863	20.314	ug/l	92
29) Tetrahydrofuran	7.268	42	82325	98.548	ug/l	97
30) Chloroform	7.427	83	196743	21.101	ug/l	97
31) Cyclohexane	7.707	56	158599	18.616	ug/l	94
32) 1,1,1-Trichloroethane	7.622	97	171906	20.779	ug/l	100
36) 1,1-Dichloropropene	7.835	75	136067	20.062	ug/l	99
37) Ethyl Acetate	6.988	43	60335	21.177	ug/l	99
38) Carbon Tetrachloride	7.823	117	152840	20.748	ug/l	99
39) Methylcyclohexane	9.110	83	170945	19.140	ug/l	99
40) Benzene	8.085	78	436012	20.858	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023217.D
Acq On : 28 Aug 2025 11:20
Operator : SY/MD
Sample : VY0828SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 02:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.244	41	35133m	21.367	ug/l	
42) 1,2-Dichloroethane	8.158	62	111502	20.509	ug/l	100
43) Isopropyl Acetate	8.201	43	112377	19.515	ug/l	98
44) Trichloroethene	8.866	130	120044	22.222	ug/l	99
45) 1,2-Dichloropropane	9.140	63	99870	20.764	ug/l	98
46) Dibromomethane	9.231	93	59323	21.489	ug/l	98
47) Bromodichloromethane	9.427	83	150480	21.184	ug/l	99
48) Methyl methacrylate	9.225	41	53557	19.436	ug/l	95
49) 1,4-Dioxane	9.231	88	13582	419.590	ug/l	92
51) 4-Methyl-2-Pentanone	10.000	43	294258	99.066	ug/l	98
52) Toluene	10.170	92	276617	20.835	ug/l	99
53) t-1,3-Dichloropropene	10.396	75	131460	20.437	ug/l	99
54) cis-1,3-Dichloropropene	9.853	75	155574	20.453	ug/l	96
55) 1,1,2-Trichloroethane	10.573	97	79066	21.404	ug/l	98
56) Ethyl methacrylate	10.439	69	92622	19.595	ug/l	98
57) 1,3-Dichloropropane	10.719	76	131619	21.009	ug/l	99
58) 2-Chloroethyl Vinyl ether	9.713	63	212280	95.206	ug/l	97
59) 2-Hexanone	10.762	43	214877	106.238	ug/l	98
60) Dibromochloromethane	10.908	129	106819	21.915	ug/l	100
61) 1,2-Dibromoethane	11.018	107	74321	21.406	ug/l	100
64) Tetrachloroethene	10.646	164	146079	24.780	ug/l	98
65) Chlorobenzene	11.438	112	307302	21.580	ug/l	95
66) 1,1,1,2-Tetrachloroethane	11.518	131	107067	22.154	ug/l	99
67) Ethyl Benzene	11.518	91	503041	20.527	ug/l	99
68) m/p-Xylenes	11.627	106	400278	41.822	ug/l	98
69) o-Xylene	11.957	106	185791	20.726	ug/l	100
70) Styrene	11.969	104	311379	21.240	ug/l	98
71) Bromoform	12.133	173	63685	22.546	ug/l	99
73) Isopropylbenzene	12.255	105	479810	20.286	ug/l	100
74) N-amyl acetate	12.072	43	91354	18.213	ug/l	95
75) 1,1,2,2-Tetrachloroethane	12.505	83	77898	19.289	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	61725m	19.085	ug/l	
77) Bromobenzene	12.530	156	121154	21.471	ug/l	95
78) n-propylbenzene	12.597	91	572555	20.332	ug/l	99
79) 2-Chlorotoluene	12.676	91	330400	20.478	ug/l	99
80) 1,3,5-Trimethylbenzene	12.737	105	393761	20.599	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	26531	19.857	ug/l	99
82) 4-Chlorotoluene	12.773	91	341594	20.409	ug/l	99
83) tert-Butylbenzene	12.999	119	352168	20.398	ug/l	98
84) 1,2,4-Trimethylbenzene	13.042	105	389109	20.448	ug/l	99
85) sec-Butylbenzene	13.176	105	518228	20.434	ug/l	100
86) p-Isopropyltoluene	13.292	119	431719	20.508	ug/l	99
87) 1,3-Dichlorobenzene	13.286	146	236011	21.210	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	233280	21.134	ug/l	98
89) n-Butylbenzene	13.615	91	382471	19.782	ug/l	100
90) Hexachloroethane	13.877	117	92367	21.434	ug/l	99
91) 1,2-Dichlorobenzene	13.657	146	209755	21.494	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	13071	20.788	ug/l	97
93) 1,2,4-Trichlorobenzene	14.919	180	121854	21.115	ug/l	98
94) Hexachlorobutadiene	15.023	225	74088	21.847	ug/l	99
95) Naphthalene	15.145	128	199469	20.270	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	105174	21.149	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023217.D
Acq On : 28 Aug 2025 11:20
Operator : SY/MD
Sample : VY0828SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 02:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025

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

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

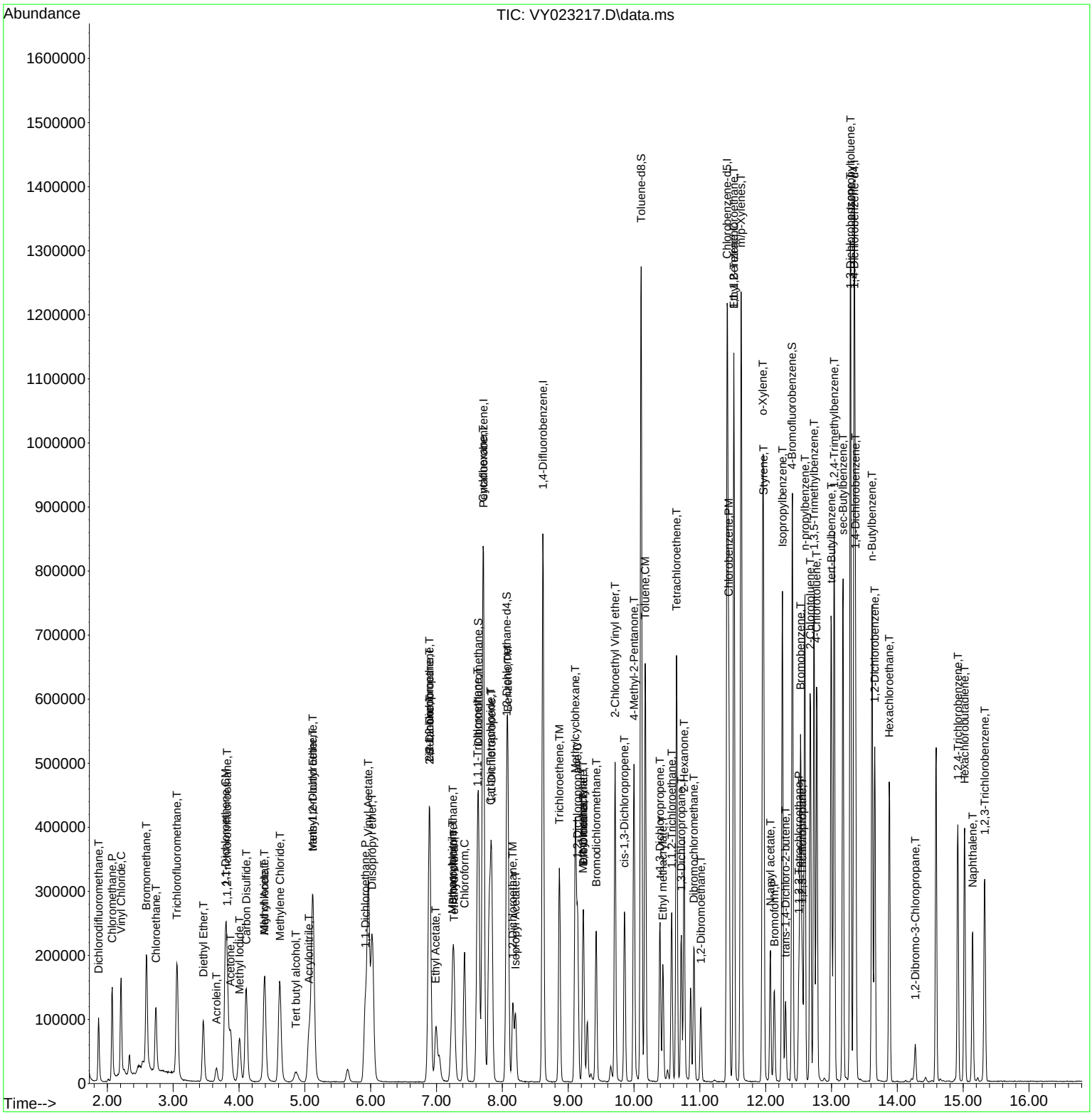
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023217.D
Acq On : 28 Aug 2025 11:20
Operator : SY/MD
Sample : VY0828SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Aug 29 02:07:57 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260
QLast Update : Wed Aug 13 02:10:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBSD01

Manual Integrations APPROVED

Reviewed By :Semsettin Yesilyurt 08/29/2025
Supervised By :Mahesh Dadoda 08/29/2025



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:	VN082825	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087676.D	1,2,3-Trichloropropane	JOHN	8/29/2025 8:41:09 AM	Sam	8/29/2025 1:23:23 PM	Peak Integrated by Software
VSTDCCC050	VN087676.D	N-amyl acetate	JOHN	8/29/2025 8:41:09 AM	Sam	8/29/2025 1:23:23 PM	Peak Integrated by Software
VN0828MBS01	VN087680.D	1,2,3-Trichloropropane	JOHN	8/29/2025 8:41:18 AM	Sam	8/29/2025 1:23:36 PM	Peak Integrated by Software
VN0828MBS01	VN087680.D	N-amyl acetate	JOHN	8/29/2025 8:41:18 AM	Sam	8/29/2025 1:23:36 PM	Peak Integrated by Software
VSTDCCC050	VN087691.D	1,2,3-Trichloropropane	JOHN	8/29/2025 8:41:42 AM	Sam	8/29/2025 1:23:54 PM	Peak Integrated by Software
VSTDCCC050	VN087691.D	N-amyl acetate	JOHN	8/29/2025 8:41:42 AM	Sam	8/29/2025 1:23:54 PM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	VN082925	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087693.D	1,2,3-Trichloropropane	JOHN	9/2/2025 8:35:23 AM	sam	9/3/2025 1:55:52 AM	Peak Integrated by Software
VSTDCCC050	VN087693.D	N-amyl acetate	JOHN	9/2/2025 8:35:23 AM	sam	9/3/2025 1:55:52 AM	Peak Integrated by Software
VN0829MBS01	VN087696.D	1,2,3-Trichloropropane	JOHN	9/2/2025 8:35:28 AM	sam	9/3/2025 1:55:58 AM	Peak Integrated by Software
VN0829MBS01	VN087696.D	N-amyl acetate	JOHN	9/2/2025 8:35:28 AM	sam	9/3/2025 1:55:58 AM	Peak Integrated by Software
VSTDCCC050	VN087701.D	1,2,3-Trichloropropane	JOHN	9/2/2025 8:35:37 AM	sam	9/3/2025 1:56:10 AM	Peak Integrated by Software
VSTDCCC050	VN087701.D	N-amyl acetate	JOHN	9/2/2025 8:35:37 AM	sam	9/3/2025 1:56:10 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY081225	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY023050.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC005	VY023050.D	Methacrylonitrile	MMDadoda	8/14/2025 7:33:57 PM	SAM	8/14/2025 7:43:56 PM	Peak Integrated by Software
VSTDICC010	VY023051.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:06 PM	SAM	8/14/2025 7:43:57 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICC020	VY023052.D	Methacrylonitrile	MMDadoda	8/14/2025 7:34:08 PM	SAM	8/14/2025 7:43:59 PM	Peak Integrated by Software
VSTDICCC050	VY023053.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:10 PM	SAM	8/14/2025 7:44:00 PM	Peak Integrated by Software
VSTDICC100	VY023054.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:12 PM	SAM	8/14/2025 7:44:02 PM	Peak Integrated by Software
VSTDICC150	VY023055.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:15 PM	SAM	8/14/2025 7:44:04 PM	Peak Integrated by Software
VSTDICV050	VY023057.D	1,2,3-Trichloropropane	MMDadoda	8/14/2025 7:34:16 PM	SAM	8/14/2025 7:44:06 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VY082825	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY023214.D	1,2,3-Trichloropropane	Sam	8/29/2025 1:18:34 PM	MMDadoda	8/29/2025 1:26:43 PM	Peak Integrated by Software
VY0828SBS01	VY023216.D	1,2,3-Trichloropropane	Sam	8/29/2025 1:18:40 PM	MMDadoda	8/29/2025 1:26:50 PM	Peak Integrated by Software
VY0828SBSD01	VY023217.D	1,2,3-Trichloropropane	Sam	8/29/2025 1:18:52 PM	MMDadoda	8/29/2025 1:26:56 PM	Peak Integrated by Software
VY0828SBSD01	VY023217.D	Methacrylonitrile	Sam	8/29/2025 1:18:52 PM	MMDadoda	8/29/2025 1:26:56 PM	Peak Integrated by Software
VSTDCCC050	VY023231.D	1,2,3-Trichloropropane	Sam	8/29/2025 1:19:34 PM	MMDadoda	8/29/2025 1:27:18 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 # VN082825

Review By	John Carlone	Review On	8/29/2025 8:42:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/29/2025 1:24:27 PM		
SubDirectory	VN082825	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135317
Initial Calibration Stds	
CCC	VP135318,VP135319
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087675.D	28 Aug 2025 11:00	JC\MD	Ok
2	VSTDCCC050	VN087676.D	28 Aug 2025 11:33	JC\MD	Ok,M
3	VN0828MBL01	VN087677.D	28 Aug 2025 12:09	JC\MD	Ok
4	VN0828WBL01	VN087678.D	28 Aug 2025 12:30	JC\MD	Ok
5	VN0828WBS01	VN087679.D	28 Aug 2025 12:50	JC\MD	Ok,M
6	VN0828MBS01	VN087680.D	28 Aug 2025 13:24	JC\MD	Ok,M
7	Q2971-37	VN087681.D	28 Aug 2025 13:44	JC\MD	Ok
8	PB169423TB	VN087682.D	28 Aug 2025 14:05	JC\MD	Ok
9	Q2959-01	VN087683.D	28 Aug 2025 14:26	JC\MD	Ok
10	Q2959-02	VN087684.D	28 Aug 2025 14:47	JC\MD	Ok
11	Q2959-03	VN087685.D	28 Aug 2025 15:08	JC\MD	Ok
12	IBLK	VN087686.D	28 Aug 2025 15:29	JC\MD	Ok
13	Q2977-01	VN087687.D	28 Aug 2025 15:50	JC\MD	Not Ok
14	VN0828WBSD01	VN087688.D	28 Aug 2025 16:11	JC\MD	Ok,M
15	Q2964-04	VN087689.D	28 Aug 2025 16:32	JC\MD	Dilution
16	IBLK	VN087690.D	28 Aug 2025 16:53	JC\MD	Ok
17	VSTDCCC050	VN087691.D	28 Aug 2025 17:14	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082925

Review By	John Carlone	Review On	9/2/2025 8:36:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/3/2025 1:56:28 AM		
SubDirectory	VN082925	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135338
Initial Calibration Stds	
CCC	VP135339,VP135340
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087692.D	29 Aug 2025 11:32	JC\MD	Ok
2	VSTDCCC050	VN087693.D	29 Aug 2025 12:05	JC\MD	Ok,M
3	VN0829MBL01	VN087694.D	29 Aug 2025 12:42	JC\MD	Ok
4	VN0829WBL01	VN087695.D	29 Aug 2025 13:03	JC\MD	Ok
5	VN0829MBS01	VN087696.D	29 Aug 2025 13:24	JC\MD	Ok,M
6	VN0829MBSD01	VN087697.D	29 Aug 2025 13:57	JC\MD	Ok,M
7	Q2964-04DL	VN087698.D	29 Aug 2025 14:18	JC\MD	Ok
8	Q2982-01	VN087699.D	29 Aug 2025 14:54	JC\MD	Ok
9	IBLK	VN087700.D	29 Aug 2025 15:31	JC\MD	Ok
10	VSTDCCC050	VN087701.D	29 Aug 2025 15:51	JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM				
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY023048.D	12 Aug 2025 08:26	SY/MD	Ok
2	VSTDICC005	VY023049.D	12 Aug 2025 14:32	SY/MD	Not Ok
3	VSTDICC005	VY023050.D	12 Aug 2025 14:54	SY/MD	Ok,M
4	VSTDICC010	VY023051.D	12 Aug 2025 15:17	SY/MD	Ok,M
5	VSTDICC020	VY023052.D	12 Aug 2025 15:40	SY/MD	Ok,M
6	VSTDICCC050	VY023053.D	12 Aug 2025 16:02	SY/MD	Ok,M
7	VSTDICC100	VY023054.D	12 Aug 2025 16:25	SY/MD	Ok,M
8	VSTDICC150	VY023055.D	12 Aug 2025 16:47	SY/MD	Ok,M
9	VIBLK	VY023056.D	12 Aug 2025 17:31	SY/MD	Ok
10	VSTDICV050	VY023057.D	12 Aug 2025 17:53	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082825

Review By	Semsettin Yesilyurt	Review On	8/29/2025 1:19:49 PM				
Supervise By	Mahesh Dadoda	Supervise On	8/29/2025 1:27:41 PM				
SubDirectory	VY082825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP135321
Initial Calibration Stds	
CCC	VP135325,VP135326,LOD VP135327,VP135328,LOQ VP135329
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	VY023213.D	28 Aug 2025 07:57	SY/MD	Ok
2	VSTDCCC050	VY023214.D	28 Aug 2025 09:03	SY/MD	Ok,M
3	VY0828SBL01	VY023215.D	28 Aug 2025 10:02	SY/MD	Ok
4	VY0828SBS01	VY023216.D	28 Aug 2025 10:58	SY/MD	Ok,M
5	VY0828SBSD01	VY023217.D	28 Aug 2025 11:20	SY/MD	Ok,M
6	Q2893-01	VY023218.D	28 Aug 2025 11:59	SY/MD	ReRun
7	Q2893-01	VY023219.D	28 Aug 2025 12:22	SY/MD	ReRun
8	Q2893-02	VY023220.D	28 Aug 2025 12:44	SY/MD	Ok,M
9	Q2970-01	VY023221.D	28 Aug 2025 13:07	SY/MD	Ok
10	Q2970-07	VY023222.D	28 Aug 2025 13:31	SY/MD	Ok
11	Q2970-13	VY023223.D	28 Aug 2025 13:54	SY/MD	Ok
12	Q2970-19	VY023224.D	28 Aug 2025 14:18	SY/MD	Ok
13	Q2970-25	VY023225.D	28 Aug 2025 14:41	SY/MD	Ok
14	Q2970-31	VY023226.D	28 Aug 2025 15:04	SY/MD	Ok
15	Q2960-01	VY023227.D	28 Aug 2025 15:28	SY/MD	Ok
16	Q2969-01	VY023228.D	28 Aug 2025 15:51	SY/MD	Ok
17	Q2964-01	VY023229.D	28 Aug 2025 16:15	SY/MD	Ok
18	VIBLK	VY023230.D	28 Aug 2025 16:38	SY/MD	Ok
19	VSTDCCC050	VY023231.D	28 Aug 2025 17:01	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 # VN082825

Review By	John Carlone	Review On	8/29/2025 8:42:53 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/29/2025 1:24:27 PM		
SubDirectory	VN082825	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135317
Initial Calibration Stds	
CCC	VP135318,VP135319
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	VN087675.D	28 Aug 2025 11:00		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087676.D	28 Aug 2025 11:33	pH#Lot#V12668	JC\MD	Ok,M
3	VN0828MBL01	VN0828MBL01	VN087677.D	28 Aug 2025 12:09		JC\MD	Ok
4	VN0828WBL01	VN0828WBL01	VN087678.D	28 Aug 2025 12:30		JC\MD	Ok
5	VN0828WBS01	VN0828WBS01	VN087679.D	28 Aug 2025 12:50		JC\MD	Ok,M
6	VN0828MBS01	VN0828MBS01	VN087680.D	28 Aug 2025 13:24		JC\MD	Ok,M
7	Q2971-37	GROUNDWATER	VN087681.D	28 Aug 2025 13:44	vial B pH<2	JC\MD	Ok
8	PB169423TB	PB169423TB	VN087682.D	28 Aug 2025 14:05		JC\MD	Ok
9	Q2959-01	NWB-2200	VN087683.D	28 Aug 2025 14:26	vial A pH#5.0	JC\MD	Ok
10	Q2959-02	NWB-2201	VN087684.D	28 Aug 2025 14:47	vial A pH#5.0	JC\MD	Ok
11	Q2959-03	NWB-2202	VN087685.D	28 Aug 2025 15:08	vial A pH#5.0	JC\MD	Ok
12	IBLK	IBLK	VN087686.D	28 Aug 2025 15:29		JC\MD	Ok
13	Q2977-01	33125	VN087687.D	28 Aug 2025 15:50	Surrogate Fail;Run @ lower dilution	JC\MD	Not Ok
14	VN0828WBSD01	VN0828WBSD01	VN087688.D	28 Aug 2025 16:11		JC\MD	Ok,M
15	Q2964-04	RPXY1R	VN087689.D	28 Aug 2025 16:32	Need 100X	JC\MD	Dilution
16	IBLK	IBLK	VN087690.D	28 Aug 2025 16:53		JC\MD	Ok
17	VSTDCCC050	VSTDCCC050EC	VN087691.D	28 Aug 2025 17:14		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # VN082925

Review By	John Carlone	Review On	9/2/2025 8:36:18 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/3/2025 1:56:28 AM		
SubDirectory	VN082925	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135338
Initial Calibration Stds	
CCC	VP135339,VP135340
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	VN087692.D	29 Aug 2025 11:32		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087693.D	29 Aug 2025 12:05		JC\MD	Ok,M
3	VN0829MBL01	VN0829MBL01	VN087694.D	29 Aug 2025 12:42		JC\MD	Ok
4	VN0829WBL01	VN0829WBL01	VN087695.D	29 Aug 2025 13:03		JC\MD	Ok
5	VN0829MBS01	VN0829MBS01	VN087696.D	29 Aug 2025 13:24		JC\MD	Ok,M
6	VN0829MBSD01	VN0829MBSD01	VN087697.D	29 Aug 2025 13:57		JC\MD	Ok,M
7	Q2964-04DL	RPXY1RDL	VN087698.D	29 Aug 2025 14:18		JC\MD	Ok
8	Q2982-01	MOO-25-0237	VN087699.D	29 Aug 2025 14:54	cloth material	JC\MD	Ok
9	IBLK	IBLK	VN087700.D	29 Aug 2025 15:31		JC\MD	Ok
10	VSTDCCC050	VSTDCCC050EC	VN087701.D	29 Aug 2025 15:51		JC\MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY081225

Review By	Mahesh Dadoda	Review On	8/14/2025 7:34:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/14/2025 7:44:13 PM		
SubDirectory	VY081225	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135083
Initial Calibration Stds	VP135084,VP135085,VP135086,VP135087,VP135088,VP135089
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP135090
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY023048.D	12 Aug 2025 08:26		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY023049.D	12 Aug 2025 14:32	Not used	SY/MD	Not Ok
3	VSTDICC005	VSTDICC005	VY023050.D	12 Aug 2025 14:54		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VY023051.D	12 Aug 2025 15:17		SY/MD	Ok,M
5	VSTDICC020	VSTDICC020	VY023052.D	12 Aug 2025 15:40	LR-20	SY/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VY023053.D	12 Aug 2025 16:02		SY/MD	Ok,M
7	VSTDICC100	VSTDICC100	VY023054.D	12 Aug 2025 16:25		SY/MD	Ok,M
8	VSTDICC150	VSTDICC150	VY023055.D	12 Aug 2025 16:47		SY/MD	Ok,M
9	VIBLK	VIBLK	VY023056.D	12 Aug 2025 17:31		SY/MD	Ok
10	VSTDICV050	ICVVY081225	VY023057.D	12 Aug 2025 17:53		SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082825

Review By	Semsettin Yesilyurt	Review On	8/29/2025 1:19:49 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/29/2025 1:27:41 PM		
SubDirectory	VY082825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135321
Initial Calibration Stds	
CCC	VP135325,VP135326,LOD VP135327,VP135328,LOQ VP135329
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	VY023213.D	28 Aug 2025 07:57		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY023214.D	28 Aug 2025 09:03		SY/MD	Ok,M
3	VY0828SBL01	VY0828SBL01	VY023215.D	28 Aug 2025 10:02		SY/MD	Ok
4	VY0828SBS01	VY0828SBS01	VY023216.D	28 Aug 2025 10:58		SY/MD	Ok,M
5	VY0828SBSD01	VY0828SBSD01	VY023217.D	28 Aug 2025 11:20		SY/MD	Ok,M
6	Q2893-01	LOD-MDL-SOIL-01-QT	VY023218.D	28 Aug 2025 11:59	U Flag for com.#13	SY/MD	ReRun
7	Q2893-01	LOD-MDL-SOIL-01-QT	VY023219.D	28 Aug 2025 12:22	U Flag for com.#13	SY/MD	ReRun
8	Q2893-02	LOQ-SOIL-02-QT3-202	VY023220.D	28 Aug 2025 12:44		SY/MD	Ok,M
9	Q2970-01	TP10	VY023221.D	28 Aug 2025 13:07	vial-A	SY/MD	Ok
10	Q2970-07	TP11	VY023222.D	28 Aug 2025 13:31	vial-A	SY/MD	Ok
11	Q2970-13	TP12	VY023223.D	28 Aug 2025 13:54	vial-A	SY/MD	Ok
12	Q2970-19	TP9	VY023224.D	28 Aug 2025 14:18	vial-A	SY/MD	Ok
13	Q2970-25	TP6	VY023225.D	28 Aug 2025 14:41	vial-A	SY/MD	Ok
14	Q2970-31	TP3	VY023226.D	28 Aug 2025 15:04	vial-A	SY/MD	Ok
15	Q2960-01	SU-03-08262025	VY023227.D	28 Aug 2025 15:28	vial-A	SY/MD	Ok
16	Q2969-01	TR-05-08272025	VY023228.D	28 Aug 2025 15:51	vial-A	SY/MD	Ok
17	Q2964-01	RBBX4R	VY023229.D	28 Aug 2025 16:15	vial-A	SY/MD	Ok
18	VIBLK	VIBLK	VY023230.D	28 Aug 2025 16:38		SY/MD	Ok

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY082825

Review By	Semsettin Yesilyurt	Review On	8/29/2025 1:19:49 PM		
Supervise By	Mahesh Dadoda	Supervise On	8/29/2025 1:27:41 PM		
SubDirectory	VY082825	HP Acquire Method	MSVOA_Y	HP Processing Method	82y081225s.m

STD. NAME	STD REF.#
Tune/Reschk	VP135321
Initial Calibration Stds	
CCC	VP135325,VP135326,LOD VP135327,VP135328,LOQ VP135329
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VY023231.D	28 Aug 2025 17:01		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-01	**RBBX4R**	**SOIL**			**08/25/25**			**08/26/25**
			VOC-TCLVOA-10	8260D			08/28/25	
Q2964-02	**MW3**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/26/25	
Q2964-02DL	**MW3DL**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/27/25	
Q2964-04	**RPXY1R**	**SOIL**			**08/25/25**			**08/26/25**
			VOC-TCLVOA-10	8260D			08/28/25	
Q2964-04DL	**RPXY1RDL**	**SOIL**			**08/25/25**			**08/26/25**
			VOC-TCLVOA-10	8260D			08/29/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2964

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW3**								
Q2964-02	MW3	Water	Chloromethane		230	E	0.32	1.00	ug/L
Q2964-02	MW3	Water	Bromomethane		24.2		1.40	5.00	ug/L
Q2964-02	MW3	Water	Chloroethane		3.00		0.47	1.00	ug/L
Q2964-02	MW3	Water	Acetone		660		1.50	5.00	ug/L
Q2964-02	MW3	Water	Carbon Disulfide		1.20		0.21	1.00	ug/L
Q2964-02	MW3	Water	Methyl Acetate		4.20		0.27	1.00	ug/L
Q2964-02	MW3	Water	2-Butanone		56.7		0.98	5.00	ug/L
Q2964-02	MW3	Water	Chloroform		7.40		0.25	1.00	ug/L
			Total Voc :		987				
Q2964-02	MW3	Water	2-Propanone, 1,1-dichloro-	*	18.4	J	0	0	ug/L
Q2964-02	MW3	Water	Methyl Iodide	*	16.1	J	0.83	5.00	ug/L
			Total Tics :		34.5				
			Total Concentration:		1020				
Client ID:	**MW3DL**								
Q2964-02DL	MW3DL	Water	Chloromethane		250	D	1.60	5.00	ug/L
Q2964-02DL	MW3DL	Water	Bromomethane		25.5	D	7.20	25.0	ug/L
Q2964-02DL	MW3DL	Water	Acetone		750	D	7.60	25.0	ug/L
Q2964-02DL	MW3DL	Water	Methyl Acetate		6.20	D	1.40	5.00	ug/L
Q2964-02DL	MW3DL	Water	2-Butanone		56.9	D	4.90	25.0	ug/L
Q2964-02DL	MW3DL	Water	Chloroform		10.0	D	1.30	5.00	ug/L
			Total Voc :		1100				
			Total Concentration:		1100				

SAMPLE DATA

Raw Data: **VN087674.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	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
VN087674.D	1	08/26/25 16:45	VN082625

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	230	E	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	24.2		1.40	5.00	ug/L
75-00-3	Chloroethane	3.00		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	660		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	1.20		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	4.20		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	56.7		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	7.40		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L

Raw Data: **VN087674.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	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
VN087674.D	1	08/26/25 16:45	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.5		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.1		70 (86) - 130 (113)	92%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.8		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	163000	8.206			
540-36-3	1,4-Difluorobenzene	371000	9.082			
3114-55-4	Chlorobenzene-d5	353000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	163000	13.764			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VN087674.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	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
VN087674.D	1	08/26/25 16:45	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
74-88-4	Methyl Iodide	16.1	J		4.59	ug/L
000513-88-2	2-Propanone, 1,1-dichloro-	18.4	J		10.5	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

Raw Data: **VX047539.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:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	UD	1.10	5.00	ug/L
74-87-3	Chloromethane	250	D	1.60	5.00	ug/L
75-01-4	Vinyl Chloride	1.30	UD	1.30	5.00	ug/L
74-83-9	Bromomethane	25.5	D	7.20	25.0	ug/L
75-00-3	Chloroethane	2.40	UD	2.40	5.00	ug/L
75-69-4	Trichlorofluoromethane	1.70	UD	1.70	5.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	UD	1.30	5.00	ug/L
75-35-4	1,1-Dichloroethene	1.20	UD	1.20	5.00	ug/L
67-64-1	Acetone	750	D	7.60	25.0	ug/L
75-15-0	Carbon Disulfide	1.10	UD	1.10	5.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.80	UD	0.80	5.00	ug/L
79-20-9	Methyl Acetate	6.20	D	1.40	5.00	ug/L
75-09-2	Methylene Chloride	1.40	UD	1.40	5.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.20	UD	1.20	5.00	ug/L
75-34-3	1,1-Dichloroethane	1.20	UD	1.20	5.00	ug/L
110-82-7	Cyclohexane	7.30	UD	7.30	25.0	ug/L
78-93-3	2-Butanone	56.9	D	4.90	25.0	ug/L
56-23-5	Carbon Tetrachloride	1.30	UD	1.30	5.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.95	UD	0.95	5.00	ug/L
74-97-5	Bromochloromethane	1.10	UD	1.10	5.00	ug/L
67-66-3	Chloroform	10.0	D	1.30	5.00	ug/L
71-55-6	1,1,1-Trichloroethane	1.00	UD	1.00	5.00	ug/L
108-87-2	Methylcyclohexane	0.80	UDQ	0.80	5.00	ug/L
71-43-2	Benzene	0.75	UD	0.75	5.00	ug/L
107-06-2	1,2-Dichloroethane	1.10	UD	1.10	5.00	ug/L
79-01-6	Trichloroethene	0.47	UD	0.47	5.00	ug/L
78-87-5	1,2-Dichloropropane	1.00	UD	1.00	5.00	ug/L
75-27-4	Bromodichloromethane	1.10	UD	1.10	5.00	ug/L
108-10-1	4-Methyl-2-Pentanone	3.40	UD	3.40	25.0	ug/L
108-88-3	Toluene	0.70	UD	0.70	5.00	ug/L

Raw Data: **VX047539.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.85	UD	0.85	5.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.80	UD	0.80	5.00	ug/L
79-00-5	1,1,2-Trichloroethane	1.10	UD	1.10	5.00	ug/L
591-78-6	2-Hexanone	4.50	UD	4.50	25.0	ug/L
124-48-1	Dibromochloromethane	0.90	UD	0.90	5.00	ug/L
106-93-4	1,2-Dibromoethane	0.75	UD	0.75	5.00	ug/L
127-18-4	Tetrachloroethene	1.20	UD	1.20	5.00	ug/L
108-90-7	Chlorobenzene	0.60	UD	0.60	5.00	ug/L
100-41-4	Ethyl Benzene	0.65	UD	0.65	5.00	ug/L
179601-23-1	m/p-Xylenes	1.20	UD	1.20	10.0	ug/L
95-47-6	o-Xylene	0.60	UD	0.60	5.00	ug/L
100-42-5	Styrene	0.75	UD	0.75	5.00	ug/L
75-25-2	Bromoform	0.95	UD	0.95	5.00	ug/L
98-82-8	Isopropylbenzene	0.60	UD	0.60	5.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.30	UD	1.30	5.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.95	UD	0.95	5.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.80	UD	0.80	5.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.70	UD	2.70	5.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	1.00	UD	1.00	5.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	59.5		70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	54.2		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	50.7		70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	58.0		70 (77) - 130 (121)	116%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	187000	5.556			
540-36-3	1,4-Difluorobenzene	371000	6.763			
3114-55-4	Chlorobenzene-d5	366000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	181000	12.018			

Raw Data: **VX047539.D**

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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047539.D	5	08/27/25 14:44	VX082725

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

QC SUMMARY

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

SDG No.: Q2964

Client: G Environmental

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q2964-02	MW3	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	50.5	101		70 (75)	130 (124)
		Toluene-d8	50	46.1	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.8	94		70 (77)	130 (121)
Q2964-02DL	MW3DL	1,2-Dichloroethane-d4	50	59.5	119		70 (74)	130 (125)
		Dibromofluoromethane	50	54.2	108		70 (75)	130 (124)
		Toluene-d8	50	50.7	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	58.0	116		70 (77)	130 (121)
VN0826WBL01	VN0826WBL01	1,2-Dichloroethane-d4	50	54.6	109		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	48.3	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.5	93		70 (77)	130 (121)
VN0826WBS01	VN0826WBS01	1,2-Dichloroethane-d4	50	48.0	96		70 (74)	130 (125)
		Dibromofluoromethane	50	46.5	93		70 (75)	130 (124)
		Toluene-d8	50	46.3	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.3	95		70 (77)	130 (121)
VN0826WBSD0	VN0826WBSD01	1,2-Dichloroethane-d4	50	45.6	91		70 (74)	130 (125)
		Dibromofluoromethane	50	47.8	96		70 (75)	130 (124)
		Toluene-d8	50	46.8	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.0	94		70 (77)	130 (121)
VX0827WBL01	VX0827WBL01	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	48.5	97		70 (75)	130 (124)
		Toluene-d8	50	47.5	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.2	108		70 (77)	130 (121)
VX0827WBS01	VX0827WBS01	1,2-Dichloroethane-d4	50	58.5	117		70 (74)	130 (125)
		Dibromofluoromethane	50	54.1	108		70 (75)	130 (124)
		Toluene-d8	50	51.2	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.4	113		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087671.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0826WBS01	Dichlorodifluoromethane	20	22.9	ug/L	115			40 (69)	160 (116)	
	Chloromethane	20	21.0	ug/L	105			40 (65)	160 (116)	
	Vinyl chloride	20	21.1	ug/L	106			70 (65)	130 (117)	
	Bromomethane	20	21.6	ug/L	108			40 (58)	160 (125)	
	Chloroethane	20	20.8	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.5	ug/L	103			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.6	ug/L	98			70 (80)	130 (112)	
	1,1-Dichloroethene	20	20.6	ug/L	103			70 (74)	130 (110)	
	Acetone	100	99.0	ug/L	99			40 (60)	160 (125)	
	Carbon disulfide	20	19.2	ug/L	96			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	21.7	ug/L	109			70 (67)	130 (125)	
	Methylene Chloride	20	19.7	ug/L	99			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	19.3	ug/L	97			70 (75)	130 (110)	
	2-Butanone	100	100	ug/L	100			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.9	ug/L	100			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.9	ug/L	100			70 (77)	130 (110)	
	Bromochloromethane	20	19.4	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	20.7	ug/L	104			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			70 (80)	130 (108)	
	Methylcyclohexane	20	18.3	ug/L	92			70 (72)	130 (115)	
	Benzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.5	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.0	ug/L	100			70 (83)	130 (111)	
	Bromodichloromethane	20	20.3	ug/L	102			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.7	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.4	ug/L	102			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.6	ug/L	103			70 (83)	130 (112)	
	2-Hexanone	100	110	ug/L	110			40 (73)	160 (117)	
	Dibromochloromethane	20	20.3	ug/L	102			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.0	ug/L	100			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	19.4	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	38.9	ug/L	97			70 (82)	130 (110)	
	o-Xylene	20	19.6	ug/L	98			70 (83)	130 (109)	
	Styrene	20	20.3	ug/L	102			70 (80)	130 (111)	
	Bromoform	20	20.4	ug/L	102			70 (79)	130 (109)	
	Isopropylbenzene	20	18.7	ug/L	94			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.4	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087671.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VN0826WBS01	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.4	ug/L	92			70 (76)	130 (114)	

( ) = LABORATORY INHOUSE LIMIT

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

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087672.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0826WBSD01	Dichlorodifluoromethane	20	23.1	ug/L	116	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	21.3	ug/L	106	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	21.4	ug/L	107	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	22.0	ug/L	110	2		40 (58)	160 (125)	20 (20)
	Chloroethane	20	20.0	ug/L	100	4		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	21.7	ug/L	109	6		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	21.6	ug/L	108	10		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	20.3	ug/L	102	1		70 (74)	130 (110)	20 (20)
	Acetone	100	91.4	ug/L	91	8		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.7	ug/L	94	2		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	0		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	21.1	ug/L	106	3		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.8	ug/L	99	0		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.0	ug/L	95	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.7	ug/L	99	0		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.6	ug/L	103	6		70 (75)	130 (110)	20 (20)
	2-Butanone	100	95.3	ug/L	95	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	20.8	ug/L	104	4		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	3		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.4	ug/L	92	5		70 (70)	130 (124)	20 (20)
	Chloroform	20	20.0	ug/L	100	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.6	ug/L	98	2		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.8	ug/L	99	7		70 (72)	130 (115)	20 (20)
	Benzene	20	20.1	ug/L	101	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	20.4	ug/L	102	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.4	ug/L	97	3		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.6	ug/L	98	2		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.8	ug/L	99	3		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	110	ug/L	110	10		40 (74)	160 (118)	20 (25)
	Toluene	20	19.8	ug/L	99	0		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.2	ug/L	101	1		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.6	ug/L	103	1		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	21.2	ug/L	106	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	19.5	ug/L	98	4		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	1		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.0	ug/L	100	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.7	ug/L	99	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.4	ug/L	102	5		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	40.7	ug/L	102	5		70 (82)	130 (110)	20 (15)
	o-Xylene	20	20.1	ug/L	101	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.2	ug/L	101	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	20.2	ug/L	101	1		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.4	ug/L	97	3		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	20.7	ug/L	104	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.7	ug/L	99	4		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.2	ug/L	96	1		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	20.0	ug/L	100	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.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VN087672.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VN0826WBSD01	1,2-Dibromo-3-Chloropropane	20	20.4	ug/L	102	9		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.3	ug/L	97	0		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.4	ug/L	97	5		70 (76)	130 (114)	20 (29)

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Alliance TECHNICAL GROUP
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.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047537.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0827WBS01	Dichlorodifluoromethane	20	16.1	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	17.2	ug/L	86			40 (65)	160 (116)	
	Vinyl chloride	20	16.6	ug/L	83			70 (65)	130 (117)	
	Bromomethane	20	20.0	ug/L	100			40 (58)	160 (125)	
	Chloroethane	20	17.1	ug/L	86			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.1	ug/L	86			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	17.4	ug/L	87			70 (80)	130 (112)	
	1,1-Dichloroethene	20	17.7	ug/L	89			70 (74)	130 (110)	
	Acetone	100	95.2	ug/L	95			40 (60)	160 (125)	
	Carbon disulfide	20	15.0	ug/L	75			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	20.8	ug/L	104			70 (78)	130 (114)	
	Methyl Acetate	20	23.8	ug/L	119			70 (67)	130 (125)	
	Methylene Chloride	20	19.4	ug/L	97			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.4	ug/L	92			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.7	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	16.0	ug/L	80			70 (75)	130 (110)	
	2-Butanone	100	110	ug/L	110			40 (65)	160 (122)	
	Carbon Tetrachloride	20	17.0	ug/L	85			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.7	ug/L	99			70 (77)	130 (110)	
	Bromochloromethane	20	23.7	ug/L	119			70 (70)	130 (124)	
	Chloroform	20	20.4	ug/L	102			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.7	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	13.6	ug/L	68		*	70 (72)	130 (115)	
	Benzene	20	18.6	ug/L	93			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.3	ug/L	97			70 (80)	130 (115)	
	Trichloroethene	20	17.3	ug/L	86			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.3	ug/L	97			70 (83)	130 (111)	
	Bromodichloromethane	20	19.2	ug/L	96			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	18.6	ug/L	93			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.4	ug/L	97			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.7	ug/L	99			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.3	ug/L	102			70 (83)	130 (112)	
	2-Hexanone	100	98.6	ug/L	99			40 (73)	160 (117)	
	Dibromochloromethane	20	19.8	ug/L	99			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.4	ug/L	97			70 (81)	130 (110)	
	Tetrachloroethene	20	16.6	ug/L	83			70 (67)	130 (123)	
	Chlorobenzene	20	17.9	ug/L	90			70 (82)	130 (109)	
	Ethyl Benzene	20	17.6	ug/L	88			70 (83)	130 (109)	
	m/p-Xylenes	40	35.6	ug/L	89			70 (82)	130 (110)	
	o-Xylene	20	18.2	ug/L	91			70 (83)	130 (109)	
	Styrene	20	19.0	ug/L	95			70 (80)	130 (111)	
	Bromoform	20	19.5	ug/L	98			70 (79)	130 (109)	
	Isopropylbenzene	20	16.2	ug/L	81			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	16.5	ug/L	83			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	16.8	ug/L	84			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	17.3	ug/L	86			70 (82)	130 (109)	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2964 **Analytical Method:** SW8260-Low

Client: G Environmental **Datafile :** VX047537.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VX0827WBS01	1,2-Dibromo-3-Chloropropane	20	16.3	ug/L	81			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	14.9	ug/L	75			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	14.8	ug/L	74			70 (76)	130 (114)	

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VOLATILE METHOD BLANK SUMMARY

Client ID: VN0826WBL01

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VN087670.D | Lab Sample ID: VN0826WBL01

Date Analyzed: 08/26/2025 | Time Analyzed: 15:08

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
VN0826WBS01	VN0826WBS01	VN087671.D	08/26/2025
VN0826WBSD01	VN0826WBSD01	VN087672.D	08/26/2025
MW3	Q2964-02	VN087674.D	08/26/2025

COMMENTS:

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

VOLATILE METHOD BLANK SUMMARY

Client ID: VX0827WBL01

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VX047536.D Lab Sample ID: VX0827WBL01

Date Analyzed: 08/27/2025 Time Analyzed: 13:14

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0827WBS01	VX0827WBS01	VX047537.D	08/27/2025
MW3DL	Q2964-02DL	VX047539.D	08/27/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

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.: Q2964

Lab File ID: VN087667.D | BFB Injection Date: 08/26/2025

Instrument ID: MSVOA_N | BFB Injection Time: 12:36

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	26.1
75	30.0 - 60.0% of mass 95	58.5
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.2 (0.2) 1
174	50.0 - 100.0% of mass 95	67.9
175	5.0 - 9.0% of mass 174	4.9 (7.2) 1
176	95.0 - 101.0% of mass 174	65.2 (96) 1
177	5.0 - 9.0% of mass 176	3.9 (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	VN087668.D	08/26/2025	13:38
VN0826WBL01	VN0826WBL01	VN087670.D	08/26/2025	15:08
VN0826WBS01	VN0826WBS01	VN087671.D	08/26/2025	15:29
VN0826WBSD01	VN0826WBSD01	VN087672.D	08/26/2025	16:02
MW3	Q2964-02	VN087674.D	08/26/2025	16:45

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VX047347.D | BFB Injection Date: 08/15/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:28

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.3
75	30.0 - 60.0% of mass 95	51.4
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	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	74.3
175	5.0 - 9.0% of mass 174	6.1 (8.2) 1
176	95.0 - 101.0% of mass 174	71.9 (96.8) 1
177	5.0 - 9.0% of mass 176	4.4 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VX047349.D	08/15/2025	09:40
VSTDICC020	VSTDICC020	VX047350.D	08/15/2025	10:01
VSTDICCC050	VSTDICCC050	VX047351.D	08/15/2025	10:22
VSTDICC100	VSTDICC100	VX047352.D	08/15/2025	10:43
VSTDICC150	VSTDICC150	VX047353.D	08/15/2025	11:05
VSTDICC001	VSTDICC001	VX047356.D	08/15/2025	12:30

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: GENV01

Lab Code: ACE | SDG NO.: Q2964

Lab File ID: VX047533.D | BFB Injection Date: 08/27/2025

Instrument ID: MSVOA_X | BFB Injection Time: 08:01

GC Column: DB-624UI ID: 0.18 (mm) | Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.8
75	30.0 - 60.0% of mass 95	53.4
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.7
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	74.5 (97.2) 1
177	5.0 - 9.0% of mass 176	4.5 (6.1) 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	VX047534.D	08/27/2025	12:23
VX0827WBL01	VX0827WBL01	VX047536.D	08/27/2025	13:14
VX0827WBS01	VX0827WBS01	VX047537.D	08/27/2025	13:41
MW3DL	Q2964-02DL	VX047539.D	08/27/2025	14:44

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01

Lab Code: ACE SDG NO.: Q2964

Lab File ID: VN087668.D Date Analyzed: 08/26/2025

Instrument ID: MSVOA_N Time Analyzed: 13:38

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

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	202424	8.21	396757	9.08	378748	11.85
UPPER LIMIT	404848	8.706	793514	9.583	757496	12.347
LOWER LIMIT	101212	7.706	198379	8.583	189374	11.347
EPA SAMPLE NO.						
MW3	162555	8.21	371496	9.08	353184	11.85
VN0826WBL01	165274	8.21	380815	9.08	356736	11.85
VN0826WBS01	198008	8.21	395232	9.08	367348	11.84
VN0826WBSD01	206976	8.21	396217	9.08	359977	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.: Q2964

Lab File ID: VN087668.D Date Analyzed: 08/26/2025

Instrument ID: MSVOA_N Time Analyzed: 13:38

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

	IS4 AREA #	RT #				
12 HOUR STD	193995	13.771				
UPPER LIMIT	387990	14.271				
LOWER LIMIT	96997.5	13.271				
EPA SAMPLE NO.						
MW3	162592	13.76				
VN0826WBL01	161997	13.77				
VN0826WBS01	187839	13.77				
VN0826WBSD01	184782	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.: Q2964

Lab File ID: VX047534.D Date Analyzed: 08/27/2025

Instrument ID: MSVOA_X Time Analyzed: 12:23

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	222169	5.56	378947	6.76	341098	10.05
UPPER LIMIT	444338	6.056	757894	7.263	682196	10.549
LOWER LIMIT	111085	5.056	189474	6.263	170549	9.549
EPA SAMPLE NO.						
MW3DL	187177	5.56	371185	6.76	366426	10.06
VX0827WBL01	194583	5.57	393301	6.77	391930	10.06
VX0827WBS01	218139	5.56	392410	6.76	366609	10.06

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.: Q2964

Lab File ID: VX047534.D Date Analyzed: 08/27/2025

Instrument ID: MSVOA_X Time Analyzed: 12:23

GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	165835	12.018				
UPPER LIMIT	331670	12.518				
LOWER LIMIT	82917.5	11.518				
EPA SAMPLE NO.						
MW3DL	181024	12.02				
VX0827WBL01	194932	12.02				
VX0827WBS01	195246	12.02				

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: **VN087670.D**

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBL01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBL01		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
VN087670.D	1	08/26/25 15:08	VN082625

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

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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBL01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBL01		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
VN087670.D	1	08/26/25 15:08	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	54.6		70 (74) - 130 (125)	109%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.3		70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.5		70 (77) - 130 (121)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	165000	8.206			
540-36-3	1,4-Difluorobenzene	381000	9.083			
3114-55-4	Chlorobenzene-d5	357000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	162000	13.771			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Buff			Date Received:	
Client Sample ID:	VN0826WBL01			SDG No.:	Q2964
Lab Sample ID:	VN0826WBL01			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
VN087670.D	1	08/26/25 15:08	VN082625

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: **VX047536.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0827WBL01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

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

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VX0827WBL01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBL01		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:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	53.9		70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	48.5		70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	47.5		70 (86) - 130 (113)	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		70 (77) - 130 (121)	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	195000	5.568			
540-36-3	1,4-Difluorobenzene	393000	6.769			
3114-55-4	Chlorobenzene-d5	392000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

Raw Data: **VX047536.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0827WBL01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBL01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047536.D	1	08/27/25 13:14	VX082725

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: **VN087671.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:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBS01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBS01		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
VN087671.D	1	08/26/25 15:29	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.9		0.22	1.00	ug/L
74-87-3	Chloromethane	21.0		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.1		0.26	1.00	ug/L
74-83-9	Bromomethane	21.6		1.40	5.00	ug/L
75-00-3	Chloroethane	20.8		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.5		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	20.6		0.23	1.00	ug/L
67-64-1	Acetone	99.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.2		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.7		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.8		0.23	1.00	ug/L
110-82-7	Cyclohexane	19.3		1.50	5.00	ug/L
78-93-3	2-Butanone	100		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.9		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.9		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.7		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.3		0.16	1.00	ug/L
71-43-2	Benzene	20.0		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	18.8		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.0		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	19.7		0.14	1.00	ug/L

Raw Data: **VN087671.D**

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBS01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBS01		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
VN087671.D	1	08/26/25 15:29	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.9		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.4		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.6		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.3		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.0		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	18.9		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.5		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	38.9		0.24	2.00	ug/L
95-47-6	o-Xylene	19.6		0.12	1.00	ug/L
100-42-5	Styrene	20.3		0.15	1.00	ug/L
75-25-2	Bromoform	20.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	18.7		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.0		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.0		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.0		70 (74) - 130 (125)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	46.5		70 (75) - 130 (124)	93%	SPK: 50
2037-26-5	Toluene-d8	46.3		70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.3		70 (77) - 130 (121)	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	198000	8.206			
540-36-3	1,4-Difluorobenzene	395000	9.083			
3114-55-4	Chlorobenzene-d5	367000	11.841			
3855-82-1	1,4-Dichlorobenzene-d4	188000	13.771			

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Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Buff			Date Received:	
Client Sample ID:	VN0826WBS01			SDG No.:	Q2964
Lab Sample ID:	VN0826WBS01			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
VN087671.D	1	08/26/25 15:29	VN082625

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: **VX047537.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:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0827WBS01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	16.1		0.22	1.00	ug/L
74-87-3	Chloromethane	17.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	16.6		0.26	1.00	ug/L
74-83-9	Bromomethane	20.0		1.40	5.00	ug/L
75-00-3	Chloroethane	17.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	17.1		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	17.4		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	17.7		0.23	1.00	ug/L
67-64-1	Acetone	95.2		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	15.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.8		0.16	1.00	ug/L
79-20-9	Methyl Acetate	23.8		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.4		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	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	16.0		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	17.0		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.7		0.19	1.00	ug/L
74-97-5	Bromochloromethane	23.7		0.22	1.00	ug/L
67-66-3	Chloroform	20.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.7		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	13.6		0.16	1.00	ug/L
71-43-2	Benzene	18.6		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.3		0.22	1.00	ug/L
79-01-6	Trichloroethene	17.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.3		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.2		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L
108-88-3	Toluene	18.6		0.14	1.00	ug/L

Raw Data: **VX047537.D**

Alliance TECHNICAL GROUP
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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental		Date Collected:		
Project:	Buff		Date Received:		
Client Sample ID:	VX0827WBS01		SDG No.:	Q2964	
Lab Sample ID:	VX0827WBS01		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:	DB-624UI ID :	0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	19.4		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.7		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.3		0.21	1.00	ug/L
591-78-6	2-Hexanone	98.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.8		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.4		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	16.6		0.23	1.00	ug/L
108-90-7	Chlorobenzene	17.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	17.6		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	35.6		0.24	2.00	ug/L
95-47-6	o-Xylene	18.2		0.12	1.00	ug/L
100-42-5	Styrene	19.0		0.15	1.00	ug/L
75-25-2	Bromoform	19.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	16.2		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.9		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	16.5		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	16.8		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	17.3		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	16.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	14.9		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	14.8		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	58.5		70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	54.1		70 (75) - 130 (124)	108%	SPK: 50
2037-26-5	Toluene-d8	51.2		70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4		70 (77) - 130 (121)	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	218000	5.556			
540-36-3	1,4-Difluorobenzene	392000	6.763			
3114-55-4	Chlorobenzene-d5	367000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	195000	12.018			

Raw Data: **VX047537.D**

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Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0827WBS01	SDG No.:	Q2964
Lab Sample ID:	VX0827WBS01	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:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VX047537.D	1	08/27/25 13:41	VX082725

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: **VN087672.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:		
Project:	Buff		Date Received:		
Client Sample ID:	VN0826WBSD01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBSD01		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
VN087672.D	1	08/26/25 16:02	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	23.1		0.22	1.00	ug/L
74-87-3	Chloromethane	21.3		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	21.4		0.26	1.00	ug/L
74-83-9	Bromomethane	22.0		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	21.7		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	21.6		0.25	1.00	ug/L
75-35-4	1,1-Dichloroethene	20.3		0.23	1.00	ug/L
67-64-1	Acetone	91.4		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.7		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	19.8		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	19.7		0.23	1.00	ug/L
110-82-7	Cyclohexane	20.6		1.50	5.00	ug/L
78-93-3	2-Butanone	95.3		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	20.8		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.4		0.19	1.00	ug/L
74-97-5	Bromochloromethane	18.4		0.22	1.00	ug/L
67-66-3	Chloroform	20.0		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.6		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.8		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.4		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.6		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.8		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L
108-88-3	Toluene	19.8		0.14	1.00	ug/L

Raw Data: **VN087672.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:	Buff		Date Received:		
Client Sample ID:	VN0826WBSD01		SDG No.:	Q2964	
Lab Sample ID:	VN0826WBSD01		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
VN087672.D	1	08/26/25 16:02	VN082625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
10061-02-6	t-1,3-Dichloropropene	20.2		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.6		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.2		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	19.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.1		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.0		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.7		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.4		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.7		0.24	2.00	ug/L
95-47-6	o-Xylene	20.1		0.12	1.00	ug/L
100-42-5	Styrene	20.2		0.15	1.00	ug/L
75-25-2	Bromoform	20.2		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.4		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	20.7		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	19.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	20.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	20.4		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.3		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.4		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.6		70 (74) - 130 (125)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		70 (75) - 130 (124)	96%	SPK: 50
2037-26-5	Toluene-d8	46.8		70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.0		70 (77) - 130 (121)	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	207000	8.206			
540-36-3	1,4-Difluorobenzene	396000	9.082			
3114-55-4	Chlorobenzene-d5	360000	11.847			
3855-82-1	1,4-Dichlorobenzene-d4	185000	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:	Buff			Date Received:	
Client Sample ID:	VN0826WBSD01			SDG No.:	Q2964
Lab Sample ID:	VN0826WBSD01			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
VN087672.D	1	08/26/25 16:02	VN082625

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.: Q2964

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.

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.: Q2964

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.

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.: Q2964

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.558	0.638	0.731	0.671	0.680	0.546	0.637	11.4
Chloromethane	0.539	0.568	0.624	0.567	0.594	0.549	0.573	5.4
Vinyl Chloride	0.651	0.751	0.800	0.729	0.757	0.630	0.720	9.2
Bromomethane	0.251	0.296	0.336	0.309	0.261		0.291	11.9
Chloroethane	0.392	0.440	0.463	0.410	0.422	0.515	0.440	10
Trichlorofluoromethane	1.012	1.121	1.188	1.060	1.069	0.938	1.065	8.1
1,1,2-Trichlorotrifluoroethane	0.589	0.664	0.697	0.624	0.637	0.494	0.618	11.4
1,1-Dichloroethene	0.575	0.664	0.697	0.635	0.651	0.555	0.630	8.6
Acetone	0.259	0.310	0.280	0.240	0.240	0.249	0.263	10.5
Carbon Disulfide	1.747	1.916	1.993	1.819	1.854	2.069	1.900	6.2
Methyl tert-butyl Ether	1.768	2.019	2.175	1.962	2.014	1.554	1.915	11.5
Methyl Acetate	0.620	0.661	0.769	0.689	0.728	0.621	0.682	8.7
Methylene Chloride	0.645	0.732	0.757	0.669	0.684	0.691	0.697	5.9
trans-1,2-Dichloroethene	0.638	0.705	0.725	0.655	0.664	0.621	0.668	6
1,1-Dichloroethane	1.180	1.294	1.356	1.210	1.238	1.052	1.222	8.5
Cyclohexane	1.024	1.202	1.210	1.082	1.113		1.126	7
2-Butanone	0.328	0.378	0.389	0.342	0.343	0.287	0.344	10.6
Carbon Tetrachloride	0.536	0.596	0.607	0.549	0.554	0.515	0.560	6.3
cis-1,2-Dichloroethene	0.758	0.826	0.846	0.769	0.779	0.692	0.778	7
Bromochloromethane	0.543	0.402	0.540	0.560	0.525	0.481	0.508	11.6
Chloroform	1.236	1.328	1.368	1.214	1.243	1.091	1.247	7.8
1,1,1-Trichloroethane	1.043	1.151	1.195	1.081	1.106	0.863	1.073	10.8
Methylcyclohexane	0.589	0.673	0.695	0.640	0.642	0.595	0.639	6.5
Benzene	1.502	1.665	1.701	1.516	1.504	1.312	1.533	9.1
1,2-Dichloroethane	0.521	0.594	0.600	0.532	0.528	0.484	0.543	8.3
Trichloroethene	0.383	0.423	0.432	0.390	0.391	0.336	0.393	8.6
1,2-Dichloropropane	0.349	0.415	0.421	0.381	0.382	0.357	0.384	7.6
Bromodichloromethane	0.548	0.621	0.635	0.578	0.573	0.513	0.578	7.8
4-Methyl-2-Pentanone	0.408	0.479	0.509	0.451	0.444	0.346	0.440	13
Toluene	0.920	1.043	1.057	0.936	0.927	0.802	0.947	9.9

* 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.

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.: Q2964

Instrument ID: MSVOA_X Calibration Date(s): 08/15/2025 08/15/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 12:30

GC Column: DB-624UI ID: 0.18 (mm)

LAB FILE ID: RRF005 = VX047349.D RRF020 = VX047350.D RRF050 = VX047351.D
RRF100 = VX047352.D RRF150 = VX047353.D RRF001 = VX047356.D

COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.444	0.537	0.584	0.541	0.550	0.371	0.505	15.9
cis-1,3-Dichloropropene	0.531	0.608	0.642	0.592	0.602	0.451	0.571	12
1,1,2-Trichloroethane	0.358	0.393	0.396	0.352	0.347	0.313	0.360	8.6
2-Hexanone	0.284	0.338	0.347	0.310	0.306	0.239	0.304	12.9
Dibromochloromethane	0.412	0.461	0.464	0.426	0.420	0.382	0.428	7.3
1,2-Dibromoethane	0.358	0.397	0.409	0.365	0.361	0.336	0.371	7.2
Tetrachloroethene	0.351	0.384	0.398	0.360	0.360	0.316	0.362	7.8
Chlorobenzene	1.163	1.268	1.286	1.163	1.175	1.073	1.188	6.6
Ethyl Benzene	1.941	2.216	2.277	2.062	2.056	1.718	2.045	9.8
m/p-Xylenes	0.722	0.831	0.858	0.765	0.759	0.642	0.763	10.2
o-Xylene	0.679	0.793	0.813	0.735	0.732	0.651	0.734	8.6
Styrene	1.186	1.397	1.411	1.271	1.266	0.909	1.240	14.8
Bromoform	0.294	0.322	0.335	0.306	0.313	0.241	0.302	10.9
Isopropylbenzene	3.547	4.192	4.399	4.048	4.080	3.211	3.913	11.4
1,1,2,2-Tetrachloroethane	1.077	1.208	1.269	1.142	1.152	1.044	1.149	7.2
1,3-Dichlorobenzene	1.719	1.907	1.983	1.811	1.823	1.710	1.825	5.8
1,4-Dichlorobenzene	1.788	1.952	1.986	1.788	1.814	1.936	1.877	4.8
1,2-Dichlorobenzene	1.617	1.851	1.862	1.705	1.729	1.631	1.733	6.1
1,2-Dibromo-3-Chloropropane	0.182	0.225	0.247	0.238	0.249	0.191	0.222	13
1,2,4-Trichlorobenzene	1.030	1.168	1.234	1.191	1.204	1.144	1.161	6.2
1,2,3-Trichlorobenzene	0.919	1.109	1.174	1.132	1.160	1.075	1.095	8.5
1,2-Dichloroethane-d4	0.709	0.581	0.700	0.747	0.762		0.700	10.2
Dibromofluoromethane	0.310	0.278	0.331	0.354	0.349		0.325	9.6
Toluene-d8	1.157	0.994	1.171	1.246	1.232		1.160	8.7
4-Bromofluorobenzene	0.441	0.371	0.428	0.452	0.448		0.428	7.8

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

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: GENV01
Lab Code: ACE
SDG No.: Q2964
Instrument ID: MSVOA_N
Calibration Date/Time: 08/26/2025 13:38
Lab File ID: VN087668.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	0.773		8.87	20
Chloromethane	0.730	0.770	0.1	5.48	20
Vinyl Chloride	0.846	0.885		4.61	20
Bromomethane	0.437	0.424		-2.97	20
Chloroethane	0.595	0.603		1.35	20
Trichlorofluoromethane	1.240	1.324		6.77	20
1,1,2-Trichlorotrifluoroethane	0.701	0.730		4.14	20
1,1-Dichloroethene	0.721	0.721		0	20
Acetone	0.558	0.487		-12.72	20
Carbon Disulfide	1.985	1.940		-2.27	20
Methyl tert-butyl Ether	2.704	2.762		2.14	20
Methyl Acetate	1.168	1.242		6.34	20
Methylene Chloride	0.948	0.837		-11.71	20
trans-1,2-Dichloroethene	0.781	0.744		-4.74	20
1,1-Dichloroethane	1.546	1.543	0.1	-0.19	20
Cyclohexane	1.289	1.257		-2.48	20
2-Butanone	0.734	0.728		-0.82	20
Carbon Tetrachloride	0.547	0.575		5.12	20
cis-1,2-Dichloroethene	0.934	0.930		-0.43	20
Bromochloromethane	0.747	0.701		-6.16	20
Chloroform	1.578	1.615		2.35	20
1,1,1-Trichloroethane	1.337	1.334		-0.22	20
Methylcyclohexane	0.610	0.598		-1.97	20
Benzene	1.699	1.737		2.24	20
1,2-Dichloroethane	0.653	0.669		2.45	20
Trichloroethene	0.388	0.379		-2.32	20
1,2-Dichloropropane	0.448	0.457		2.01	20
Bromodichloromethane	0.653	0.679		3.98	20
4-Methyl-2-Pentanone	0.713	0.766		7.43	20
Toluene	1.053	1.081		2.66	20
t-1,3-Dichloropropene	0.676	0.703		3.99	20
cis-1,3-Dichloropropene	0.702	0.710		1.14	20
1,1,2-Trichloroethane	0.407	0.424		4.18	20
2-Hexanone	0.451	0.522		15.74	20
Dibromochloromethane	0.472	0.482		2.12	20
1,2-Dibromoethane	0.430	0.448		4.19	20
Tetrachloroethene	0.347	0.325		-6.34	20
Chlorobenzene	1.244	1.214	0.3	-2.41	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.: Q2964

Instrument ID: MSVOA_N Calibration Date/Time: 08/26/2025 13:38

Lab File ID: VN087668.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	2.194		1.86	20
m/p-Xylenes	0.790	0.821		3.92	20
o-Xylene	0.774	0.792		2.33	20
Styrene	1.297	1.394		7.48	20
Bromoform	0.317	0.338	0.1	6.63	20
Isopropylbenzene	4.040	3.940		-2.47	20
1,1,2,2-Tetrachloroethane	1.391	1.411	0.3	1.44	20
1,3-Dichlorobenzene	1.876	1.835		-2.19	20
1,4-Dichlorobenzene	1.952	1.876		-3.89	20
1,2-Dichlorobenzene	1.780	1.770		-0.56	20
1,2-Dibromo-3-Chloropropane	0.330	0.320		-3.03	20
1,2,4-Trichlorobenzene	1.069	1.031		-3.56	20
1,2,3-Trichlorobenzene	1.045	0.985		-5.74	20
1,2-Dichloroethane-d4	1.024	0.933		-8.89	20
Dibromofluoromethane	0.361	0.335		-7.2	20
Toluene-d8	1.351	1.262		-6.59	20
4-Bromofluorobenzene	0.481	0.453		-5.82	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.: Q2964
Instrument ID: MSVOA_X
Calibration Date/Time: 08/27/2025 12:23
Lab File ID: VX047534.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.637	0.559		-12.24	20
Chloromethane	0.573	0.524	0.1	-8.55	20
Vinyl Chloride	0.720	0.660		-8.33	20
Bromomethane	0.291	0.332		14.09	20
Chloroethane	0.440	0.403		-8.41	20
Trichlorofluoromethane	1.065	0.980		-7.98	20
1,1,2-Trichlorotrifluoroethane	0.618	0.598		-3.24	20
1,1-Dichloroethene	0.630	0.594		-5.71	20
Acetone	0.263	0.313		19.01	20
Carbon Disulfide	1.900	1.541		-18.9	20
Methyl tert-butyl Ether	1.915	2.083		8.77	20
Methyl Acetate	0.682	0.833		22.14	20
Methylene Chloride	0.697	0.697		0	20
trans-1,2-Dichloroethene	0.668	0.641		-4.04	20
1,1-Dichloroethane	1.222	1.264	0.1	3.44	20
Cyclohexane	1.126	0.964		-14.39	20
2-Butanone	0.344	0.396		15.12	20
Carbon Tetrachloride	0.560	0.529		-5.54	20
cis-1,2-Dichloroethene	0.778	0.789		1.41	20
Bromochloromethane	0.508	0.540		6.3	20
Chloroform	1.247	1.291		3.53	20
1,1,1-Trichloroethane	1.073	1.072		-0.09	20
Methylcyclohexane	0.639	0.522		-18.31	20
Benzene	1.533	1.529		-0.26	20
1,2-Dichloroethane	0.543	0.562		3.5	20
Trichloroethene	0.393	0.386		-1.78	20
1,2-Dichloropropane	0.384	0.403		4.95	20
Bromodichloromethane	0.578	0.610		5.54	20
4-Methyl-2-Pentanone	0.440	0.469		6.59	20
Toluene	0.947	0.951		0.42	20
t-1,3-Dichloropropene	0.505	0.569		12.67	20
cis-1,3-Dichloropropene	0.571	0.626		9.63	20
1,1,2-Trichloroethane	0.360	0.374		3.89	20
2-Hexanone	0.304	0.328		7.89	20
Dibromochloromethane	0.428	0.453		5.84	20
1,2-Dibromoethane	0.371	0.382		2.96	20
Tetrachloroethene	0.362	0.332		-8.29	20
Chlorobenzene	1.188	1.197	0.3	0.76	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.: Q2964
Instrument ID: MSVOA_X
Calibration Date/Time: 08/27/2025 12:23
Lab File ID: VX047534.D
Init. Calib. Date(s): 08/15/2025 08/15/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 12:30
GC Column: DB-624UI ID: 0.18 (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	2.045	2.023		-1.08	20
m/p-Xylenes	0.763	0.762		-0.13	20
o-Xylene	0.734	0.746		1.63	20
Styrene	1.240	1.306		5.32	20
Bromoform	0.302	0.315	0.1	4.3	20
Isopropylbenzene	3.913	3.925		0.31	20
1,1,2,2-Tetrachloroethane	1.149	1.197	0.3	4.18	20
1,3-Dichlorobenzene	1.825	1.800		-1.37	20
1,4-Dichlorobenzene	1.877	1.847		-1.6	20
1,2-Dichlorobenzene	1.733	1.760		1.56	20
1,2-Dibromo-3-Chloropropane	0.222	0.220		-0.9	20
1,2,4-Trichlorobenzene	1.161	1.057		-8.96	20
1,2,3-Trichlorobenzene	1.095	0.977		-10.78	20
1,2-Dichloroethane-d4	0.700	0.694		-0.86	20
Dibromofluoromethane	0.325	0.333		2.46	20
Toluene-d8	1.160	1.128		-2.76	20
4-Bromofluorobenzene	0.428	0.430		0.47	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\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Aug 27 01:51:04 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

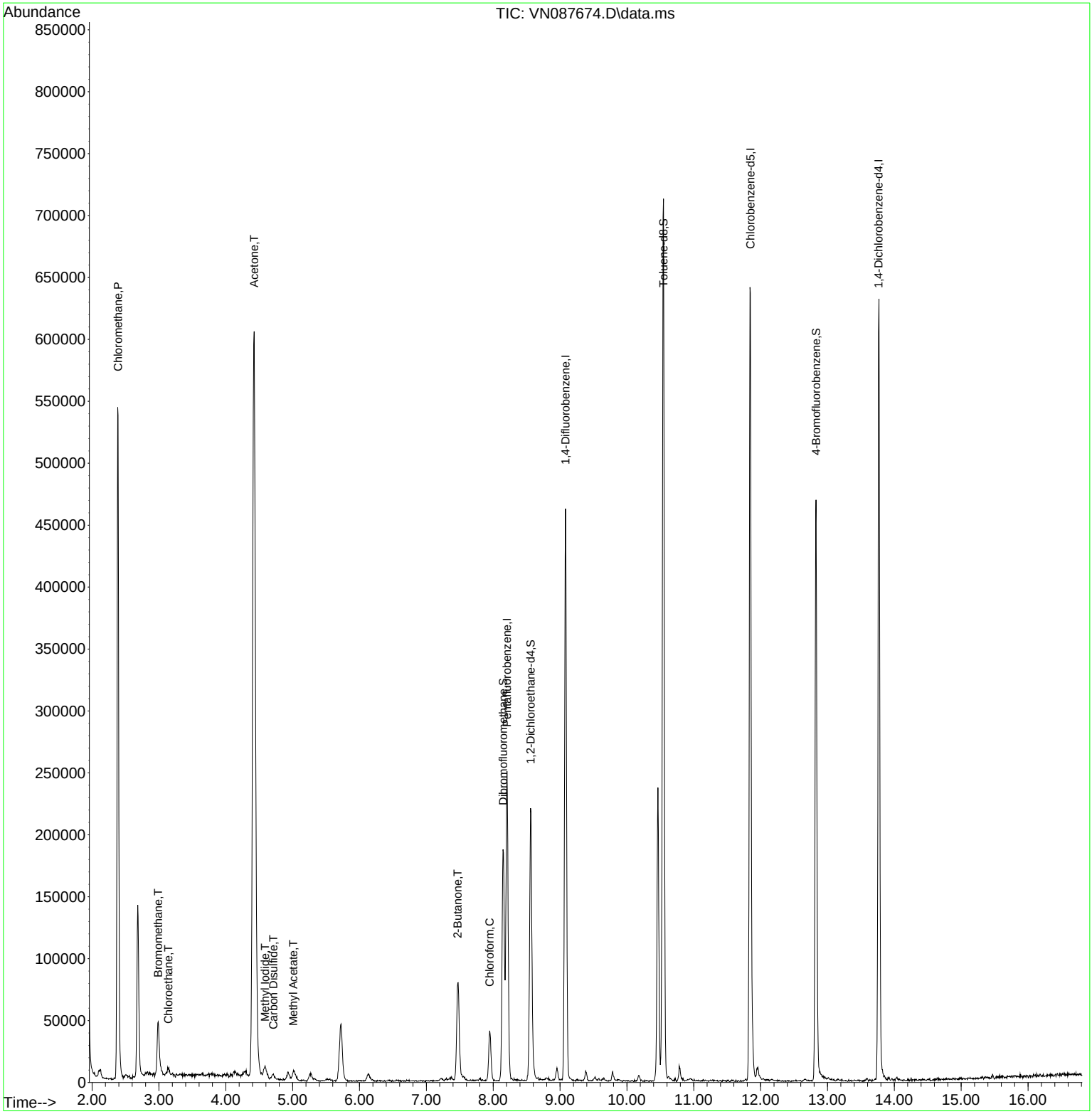
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	162555	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	371496	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	353184	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.764	152	162592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	179637	53.936	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.880%			
35) Dibromofluoromethane	8.147	113	135470	50.507	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.020%			
50) Toluene-d8	10.547	98	463062	46.126	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.260%			
62) 4-Bromofluorobenzene	12.829	95	167156	46.820	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 93.640%			
Target Compounds						Qvalue
3) Chloromethane	2.389	50	552275	232.770	ug/l	98
5) Bromomethane	2.989	94	34355	24.203	ug/l	99
6) Chloroethane	3.142	64	5703	2.950	ug/l	94
10) Methyl Iodide	4.589	142	18382	16.127	ug/l	95
16) Acetone	4.424	43	1198494	661.036	ug/l	96
17) Carbon Disulfide	4.712	76	7675	1.190	ug/l	97
18) Methyl Acetate	5.012	43	16088	4.238	ug/l	100
25) 2-Butanone	7.471	43	135182	56.673	ug/l	100
30) Chloroform	7.947	83	37839	7.377	ug/l	95

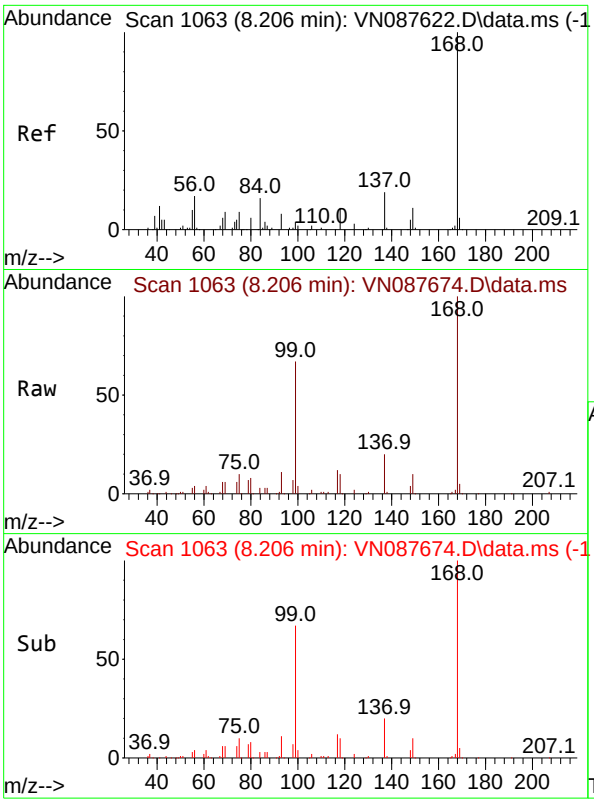
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Aug 27 01:51:04 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



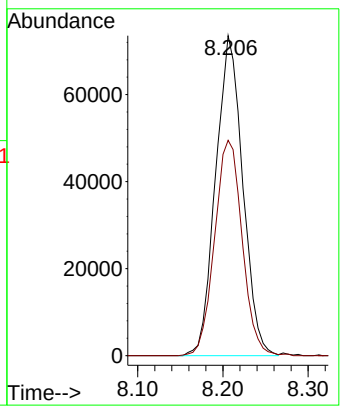


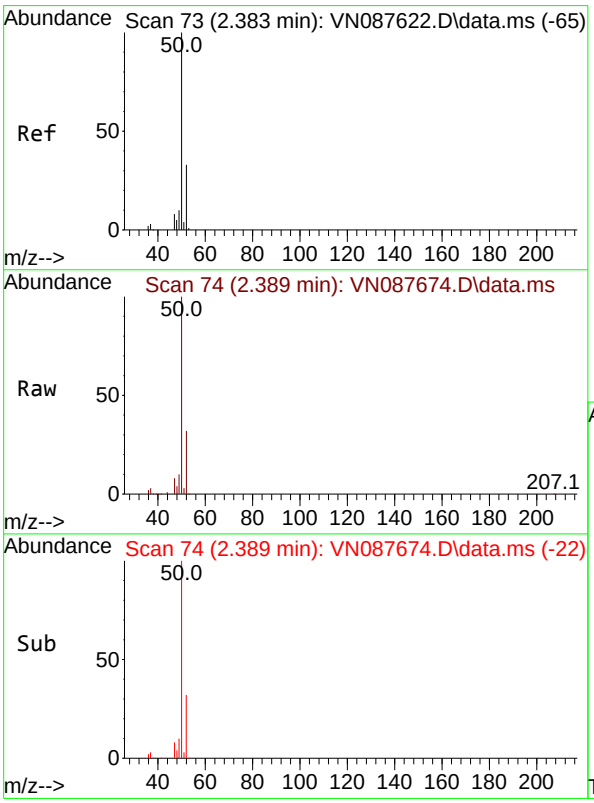
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:168 Resp: 162555

Ion	Ratio	Lower	Upper
168	100		
99	67.3	57.2	85.8

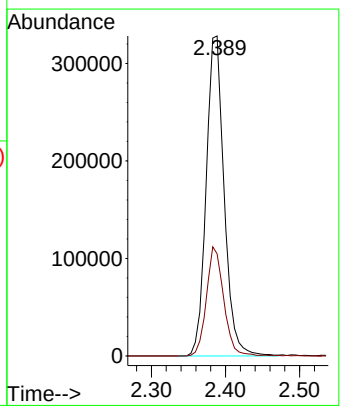


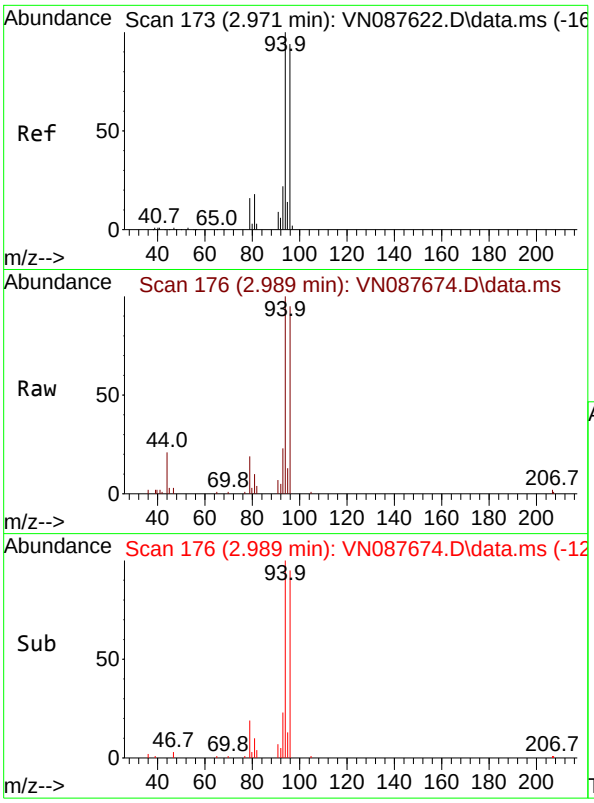


#3
Chloromethane
Concen: 232.770 ug/l
RT: 2.389 min Scan# 74
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 50 Resp: 552275

Ion	Ratio	Lower	Upper
50	100		
52	31.9	26.2	39.4



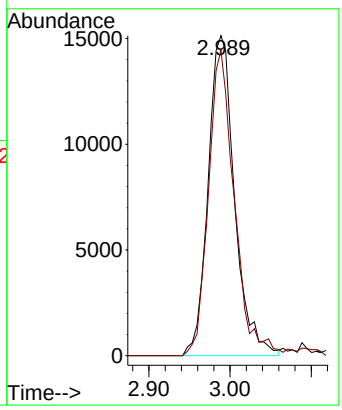


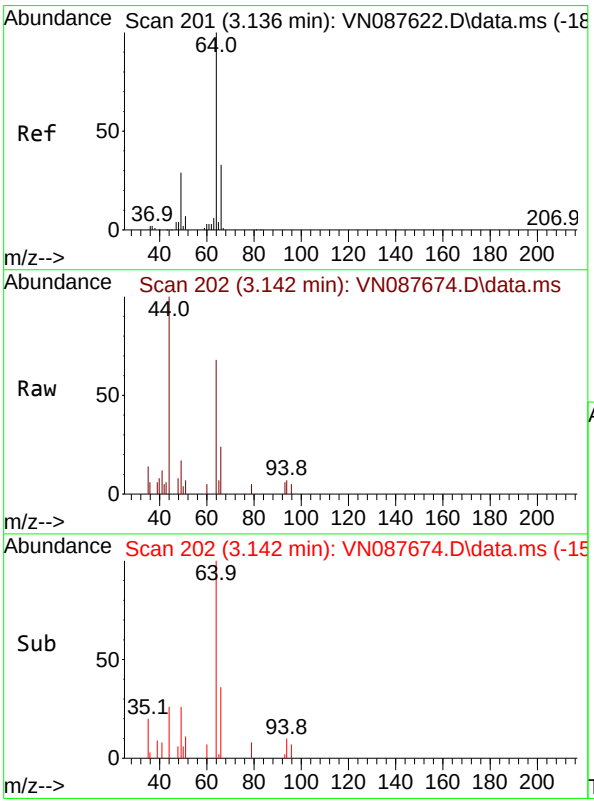
#5
Bromomethane
Concen: 24.203 ug/l
RT: 2.989 min Scan# 1
Delta R.T. 0.017 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 94 Resp: 34355

Ion	Ratio	Lower	Upper
94	100		
96	95.5	75.4	113.2

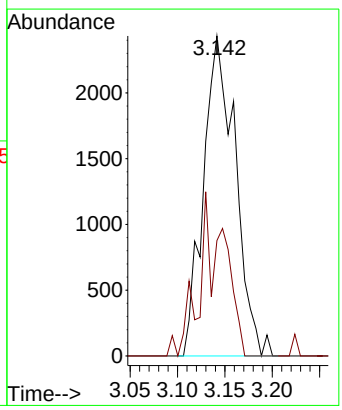


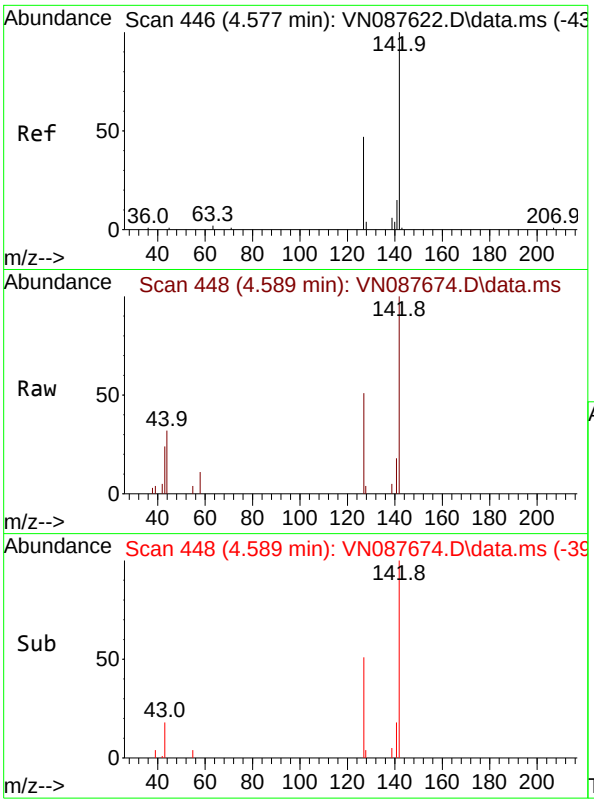


#6
Chloroethane
Concen: 2.950 ug/l
RT: 3.142 min Scan# 202
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 64 Resp: 5703

Ion	Ratio	Lower	Upper
64	100		
66	36.0	26.2	39.2



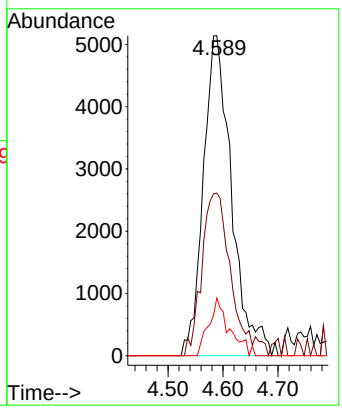


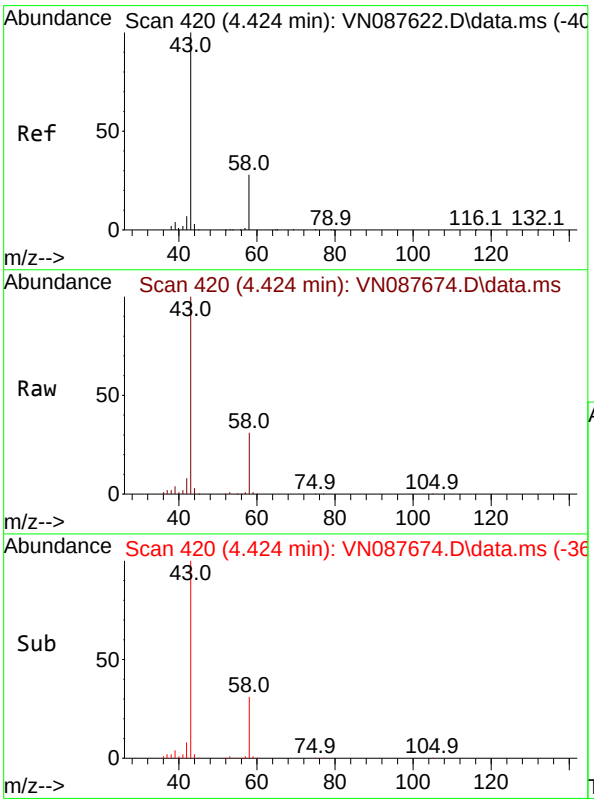
#10
Methyl Iodide
Concen: 16.127 ug/l
RT: 4.589 min Scan# 44
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:142 Resp: 18382

Ion	Ratio	Lower	Upper
142	100		
127	50.8	38.0	57.0
141	18.0	12.0	18.0

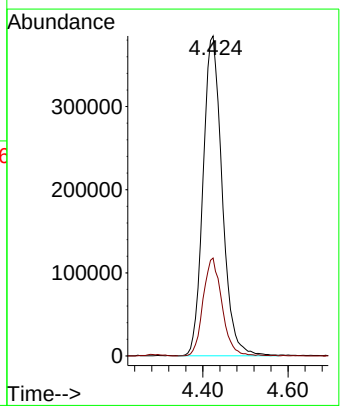


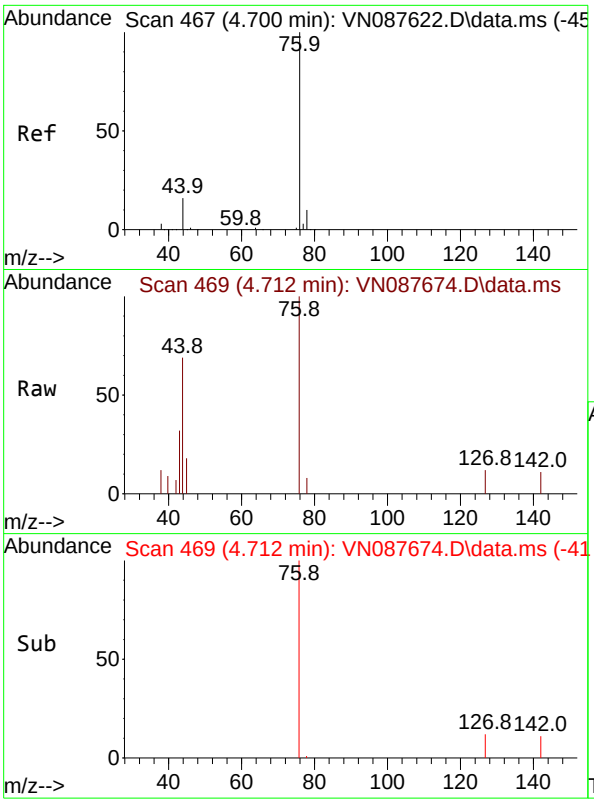


#16
Acetone
Concen: 661.036 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 1198494

Ion	Ratio	Lower	Upper
43	100		
58	30.5	22.6	33.8



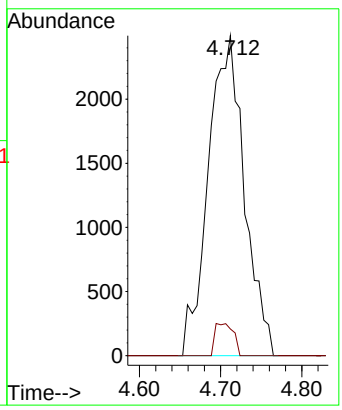


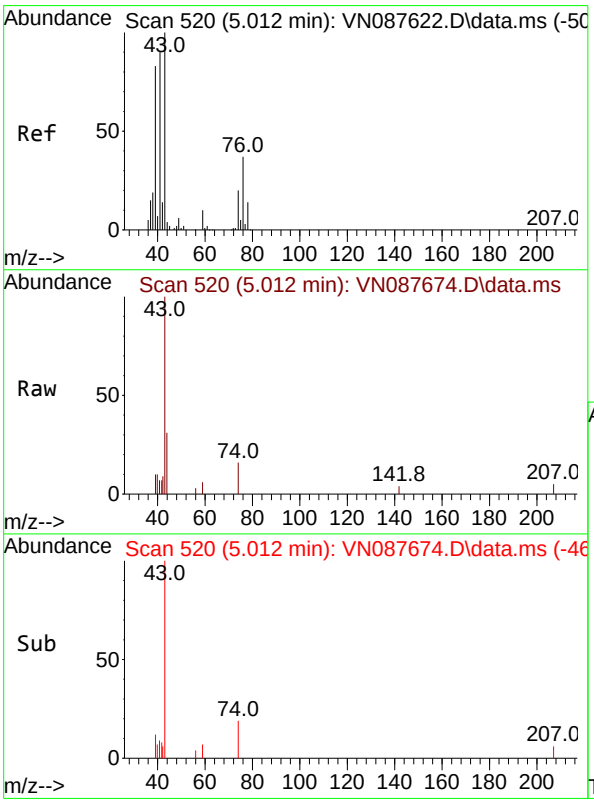
#17
Carbon Disulfide
Concen: 1.190 ug/l
RT: 4.712 min Scan# 4
Delta R.T. 0.012 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 76 Resp: 7675

Ion	Ratio	Lower	Upper
76	100		
78	8.3	7.6	11.4

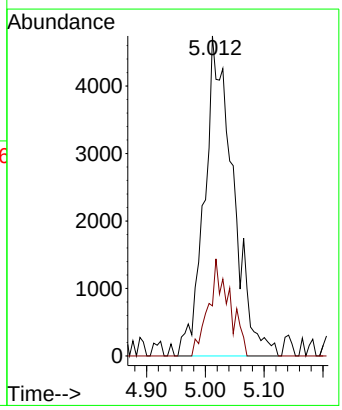


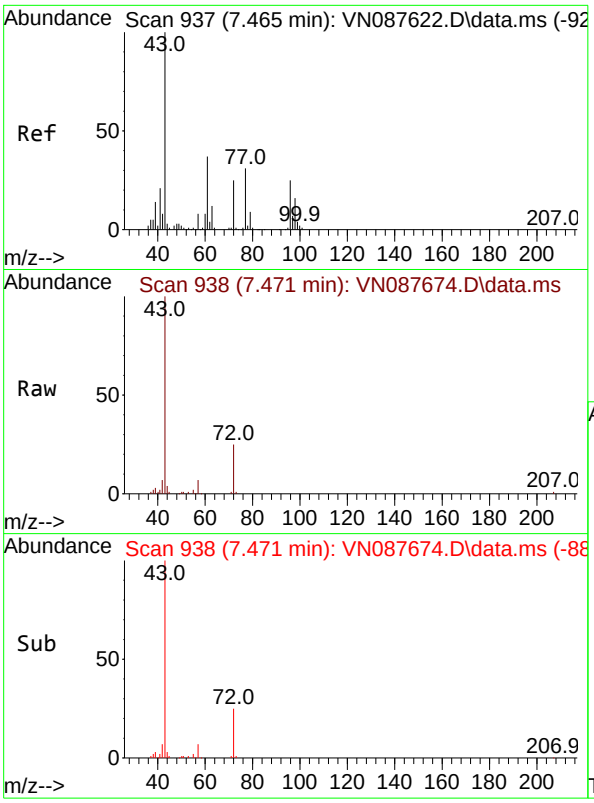


#18
Methyl Acetate
Concen: 4.238 ug/l
RT: 5.012 min Scan# 520
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 43 Resp: 16088

Ion	Ratio	Lower	Upper
43	100		
74	22.0	17.6	26.4



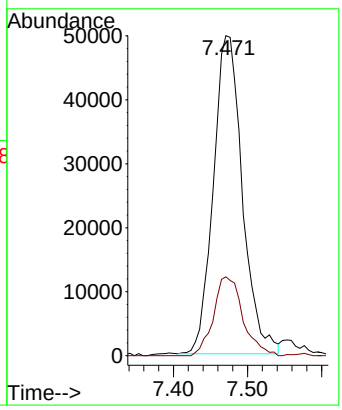


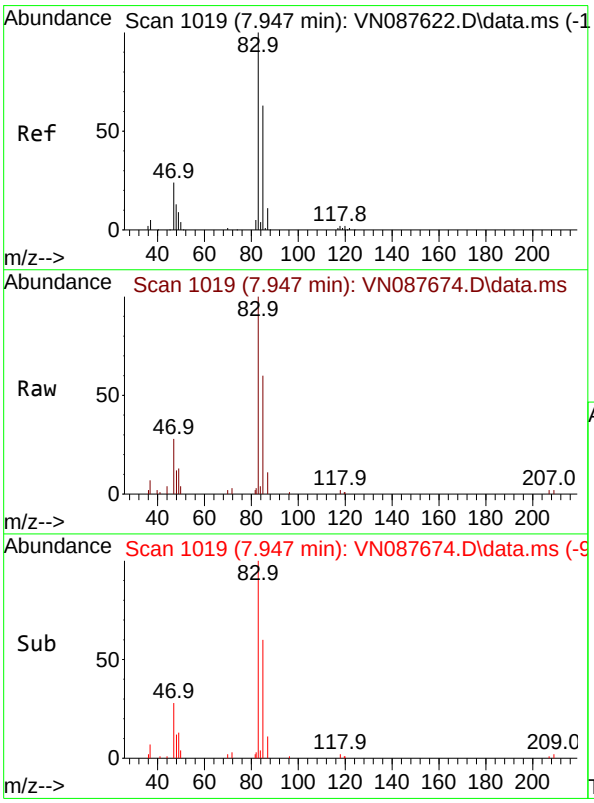
#25
2-Butanone
Concen: 56.673 ug/l
RT: 7.471 min Scan# 9
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 43 Resp: 135182

Ion	Ratio	Lower	Upper
43	100		
72	24.8	19.9	29.9

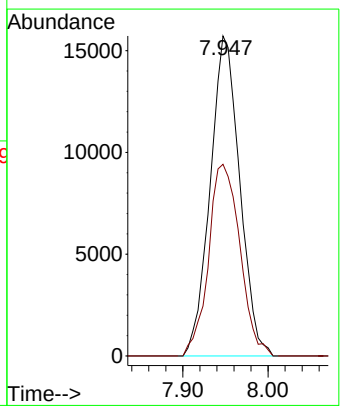


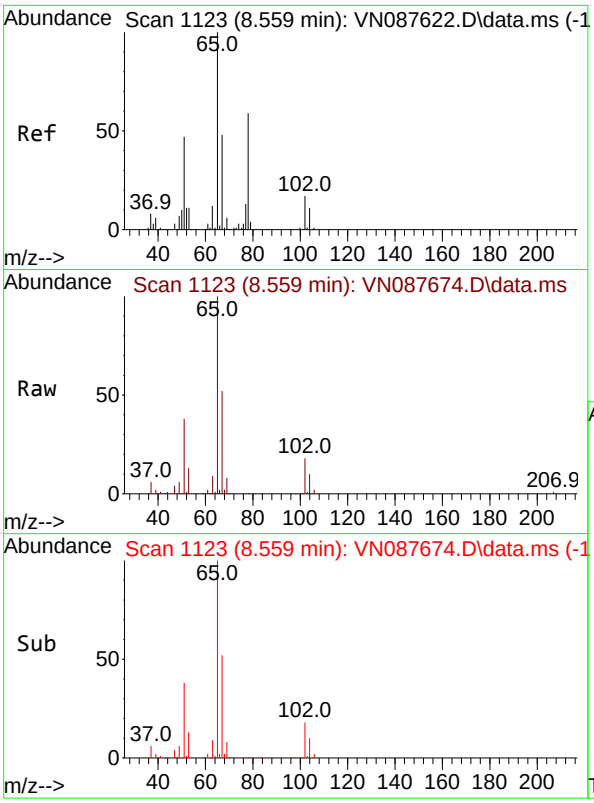


#30
Chloroform
Concen: 7.377 ug/l
RT: 7.947 min Scan# 1019
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 83 Resp: 37839

Ion	Ratio	Lower	Upper
83	100		
85	59.9	50.7	76.1



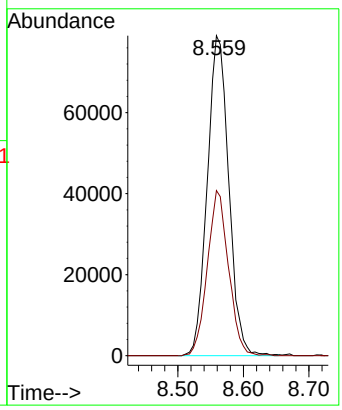


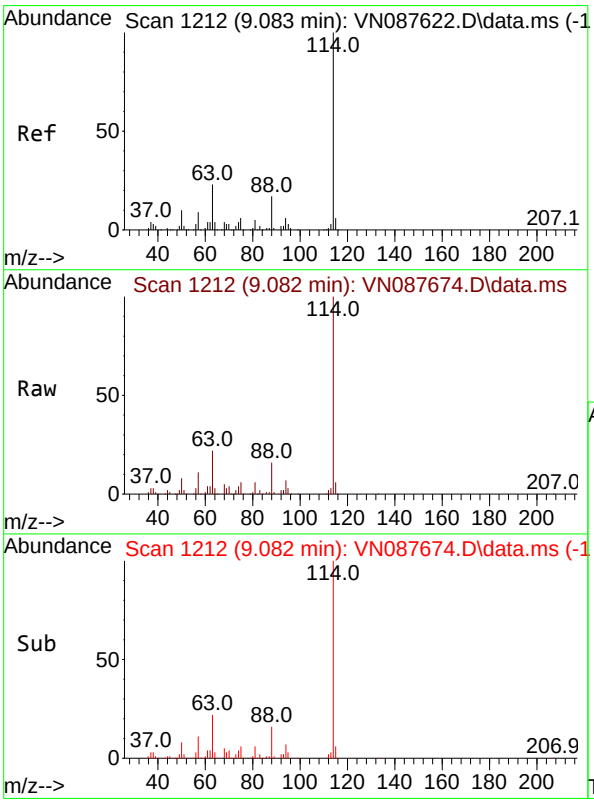
#33
1,2-Dichloroethane-d4
Concen: 53.936 ug/l
RT: 8.559 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 65 Resp: 179637

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.0

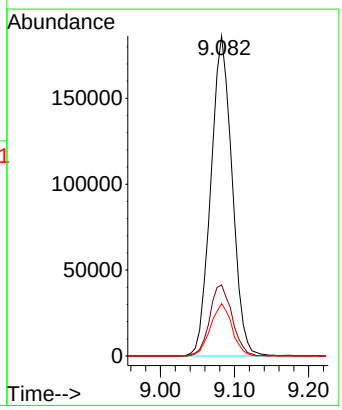


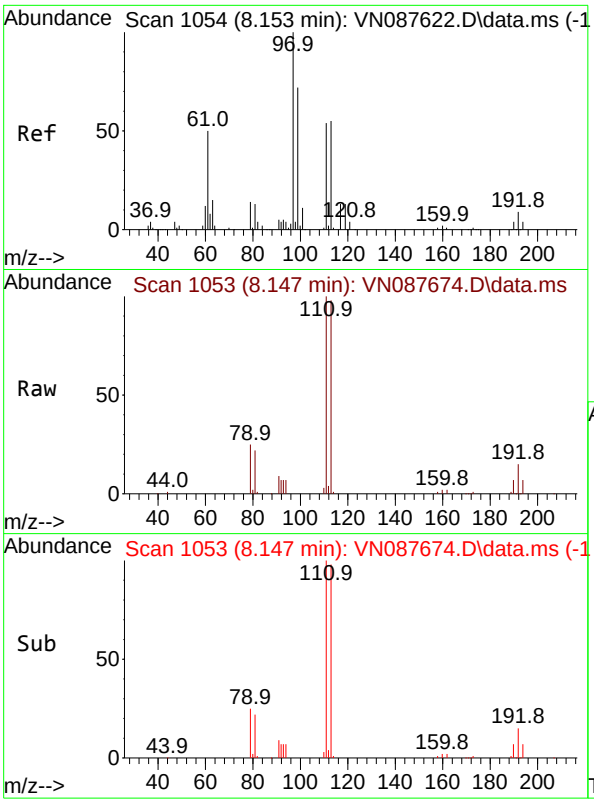


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion:114 Resp: 371496

Ion	Ratio	Lower	Upper
114	100		
63	22.2	0.0	45.2
88	16.4	0.0	33.4



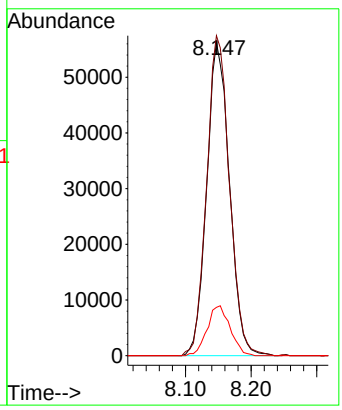


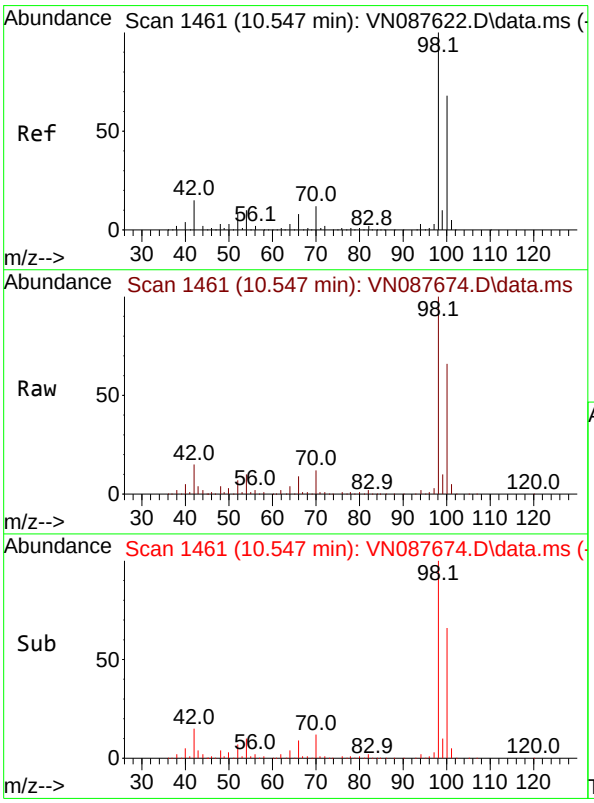
#35
Dibromofluoromethane
Concen: 50.507 ug/l
RT: 8.147 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:113 Resp: 135470

Ion	Ratio	Lower	Upper
113	100		
111	102.5	82.8	124.2
192	16.1	12.8	19.2

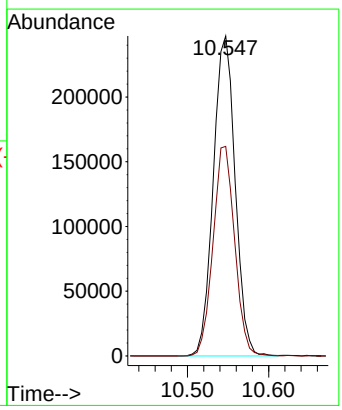


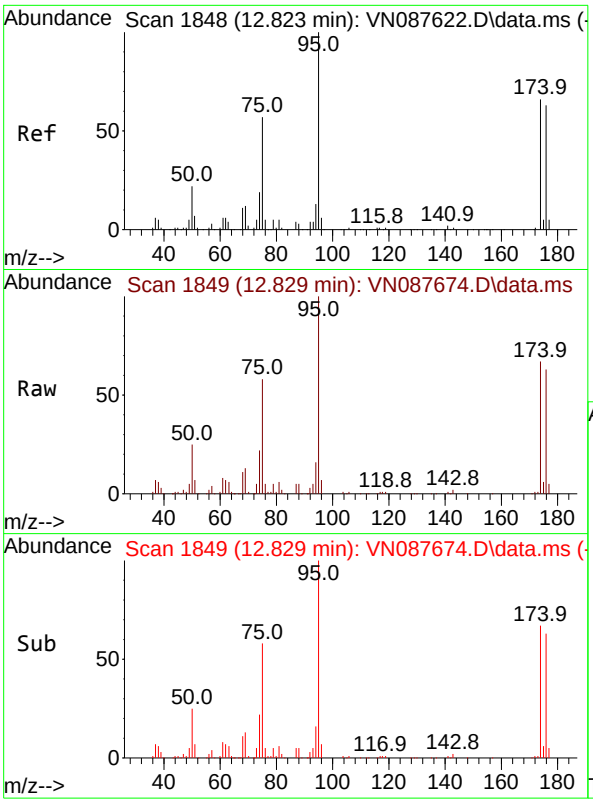


#50
Toluene-d8
Concen: 46.126 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion: 98 Resp: 463062

Ion	Ratio	Lower	Upper
98	100		
100	64.7	52.8	79.2



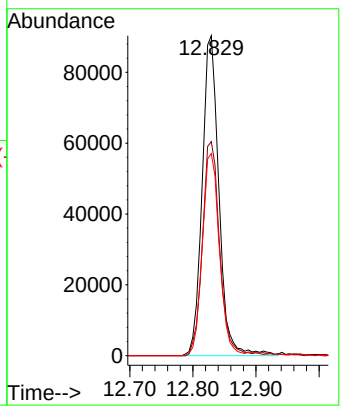


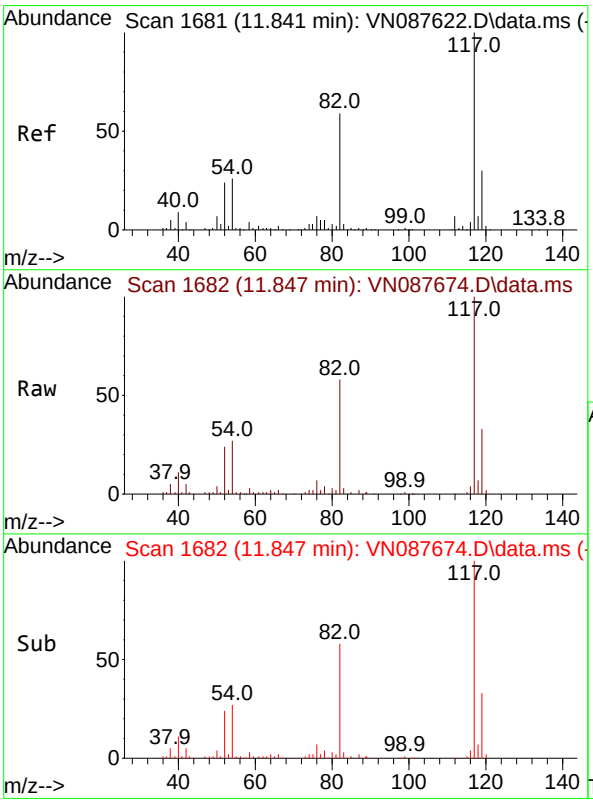
#62
4-Bromofluorobenzene
Concen: 46.820 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion: 95 Resp: 167156

Ion	Ratio	Lower	Upper
95	100		
174	68.4	0.0	138.4
176	64.0	0.0	132.6

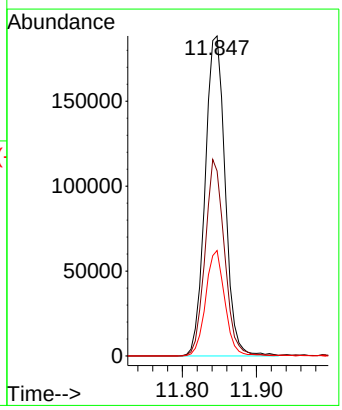


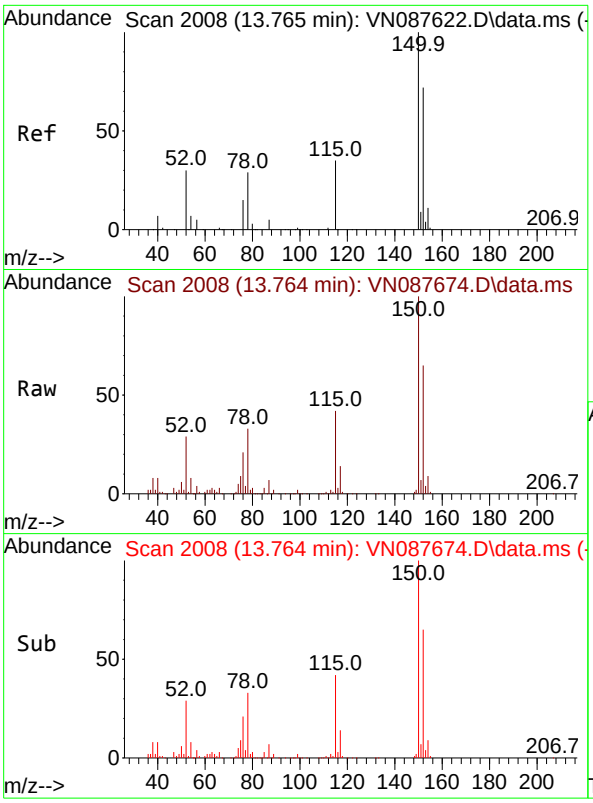


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Tgt Ion:117 Resp: 353184

Ion	Ratio	Lower	Upper
117	100		
82	57.8	47.4	71.2
119	33.0	24.3	36.5



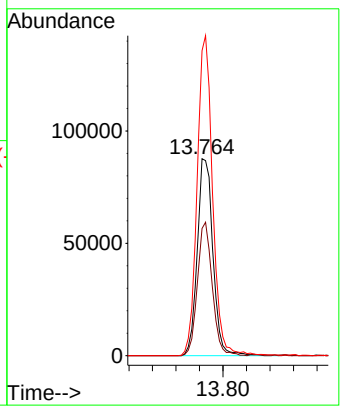


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.764 min Scan# 2
Delta R.T. -0.000 min
Lab File: VN087674.D
Acq: 26 Aug 2025 16:45

Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:152 Resp: 162592

Ion	Ratio	Lower	Upper
152	100		
115	63.9	32.3	96.8
150	159.8	0.0	351.0



Sample Results: **VN087674.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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: VN087674.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	66	73	85	rBV	542100	913178	49.32%	8.132%
2	2.683	116	124	134	rBV	139105	270526	14.61%	2.409%
3	2.989	167	176	185	rBV3	44546	112808	6.09%	1.005%
4	4.424	408	420	437	rBV	600641	1851381	100.00%	16.487%
5	5.724	627	641	654	rBV	46290	150719	8.14%	1.342%
6	7.477	929	939	951	rBV	78456	216088	11.67%	1.924%
7	7.947	1009	1019	1029	rBV3	40552	99365	5.37%	0.885%
8	8.147	1043	1053	1058	rBV	186787	458779	24.78%	4.086%
9	8.206	1058	1063	1073	rVB	248718	558227	30.15%	4.971%
10	8.559	1112	1123	1138	rBV	220109	535578	28.93%	4.770%
11	8.953	1182	1190	1196	rBV3	10159	21147	1.14%	0.188%
12	9.082	1204	1212	1222	rBV	461040	943865	50.98%	8.405%
13	10.465	1436	1447	1453	rBV	237010	455288	24.59%	4.055%
14	10.547	1453	1461	1471	rVB	710296	1382692	74.68%	12.313%
15	10.782	1494	1501	1507	rBV3	12715	24546	1.33%	0.219%
16	11.841	1673	1681	1695	rBV	640564	1237047	66.82%	11.016%
17	12.829	1839	1849	1866	rBV	469416	874458	47.23%	7.787%
18	13.770	2001	2009	2021	rBV	630283	1123444	60.68%	10.005%

Sum of corrected areas: 11229136

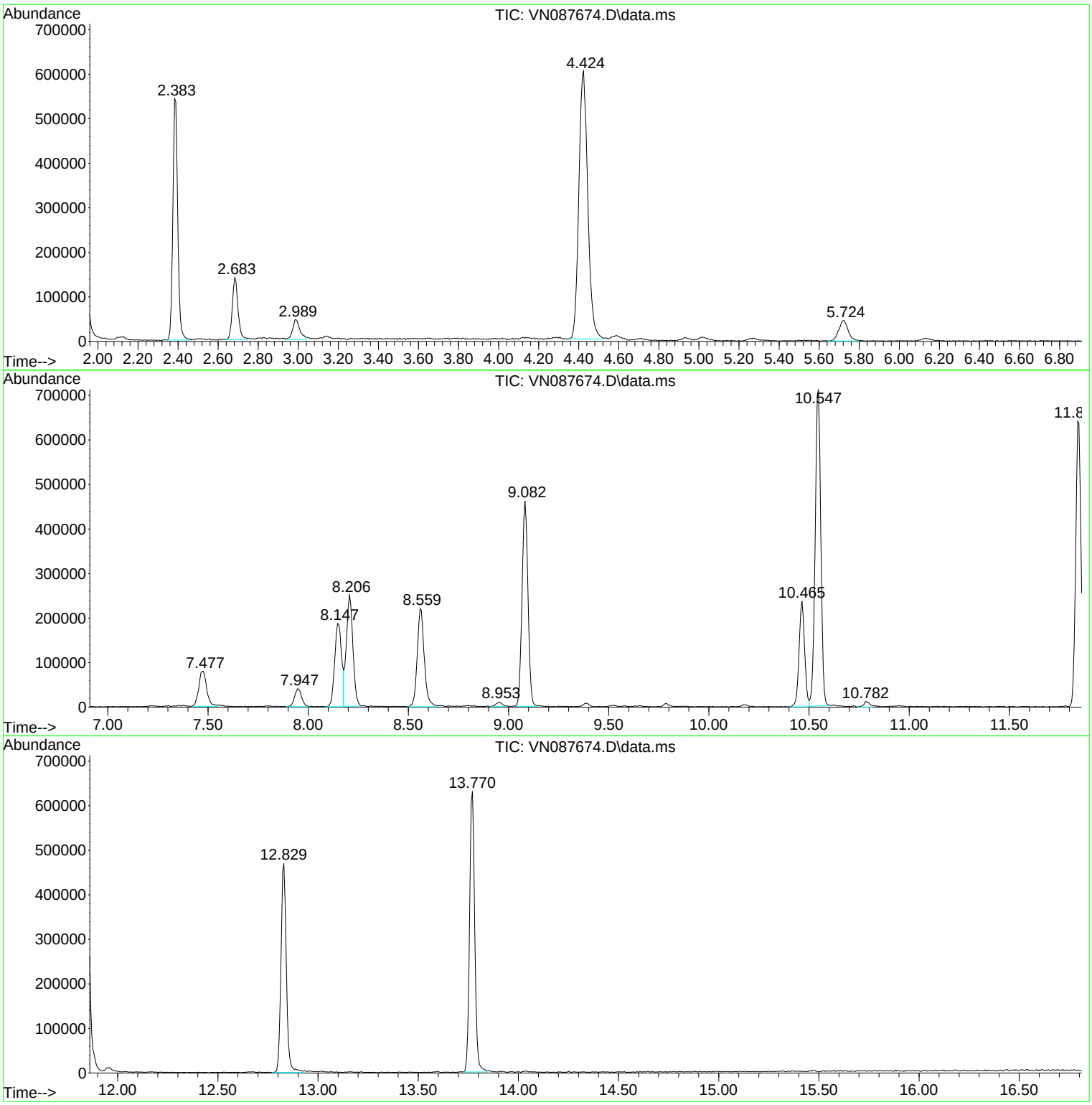
Sample Results: **VN087674.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

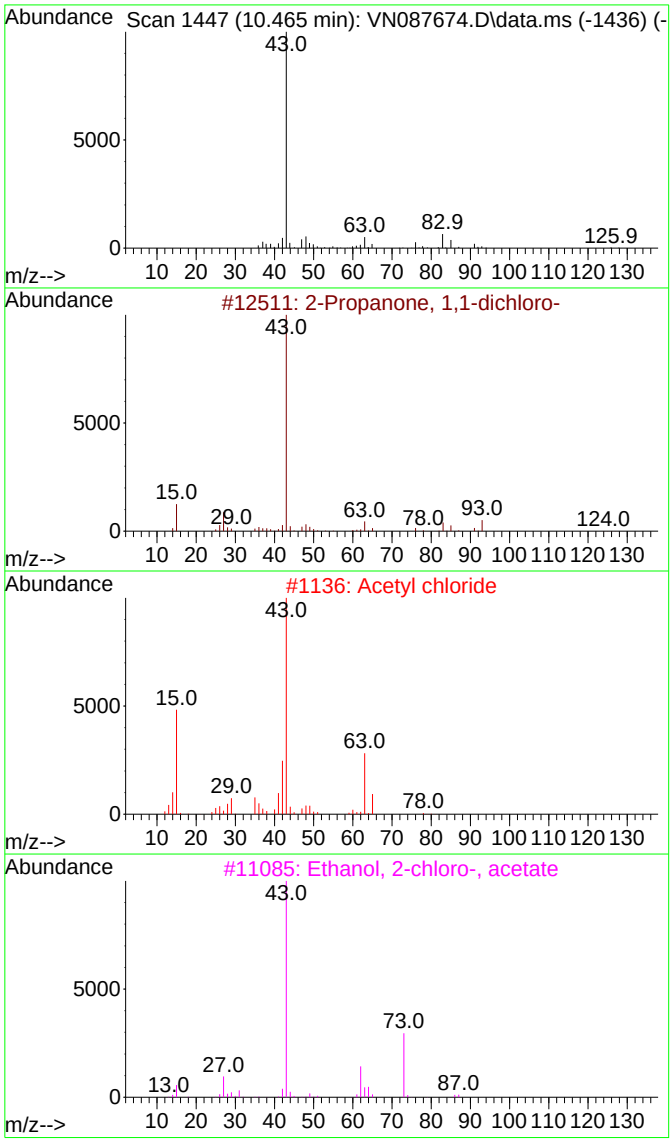
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N082125W.M
Quant Title : SW846 8260

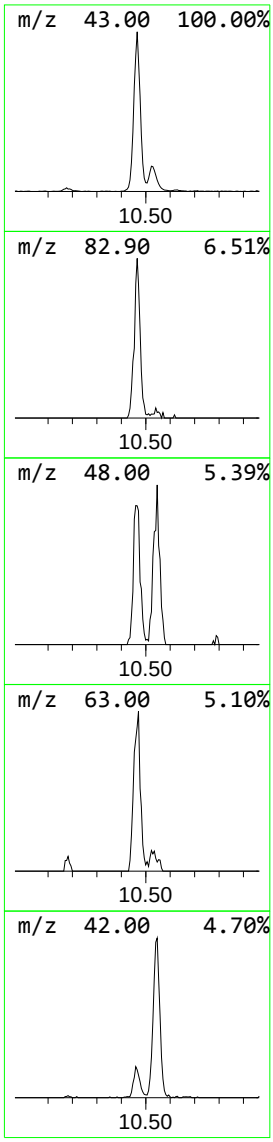
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 3 2-Propanone, 1,1-dichloro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
10.465	18.40 ug/l	455288	Chlorobenzene-d5	11.847

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Propanone, 1,1-dichloro-	126	C3H4Cl2O	000513-88-2	83
2	Acetyl chloride	78	C2H3ClO	000075-36-5	38
3	Ethanol, 2-chloro-, acetate	122	C4H7ClO2	000542-58-5	25
4	Thioacetic acid	76	C2H4OS	000507-09-5	9
5	1-Bromo-1-chloropropanone	170	C3H4BrClO	072007-33-1	9





Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087674.D
Acq On : 26 Aug 2025 16:45
Operator : JC\MD
Sample : Q2964-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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
2-Propanone, 1,...	10.465	18.4	ug/l	455288	3	11.847	1237050	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047539.D
Acq On : 27 Aug 2025 14:44
Operator : JC/MD
Sample : Q2964-02DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Quant Time: Aug 28 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	187177	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	371185	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366426	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	181024	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	155823	59.483	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 118.960%#			
35) Dibromofluoromethane	5.397	113	130586	54.207	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.420%			
50) Toluene-d8	8.647	98	436410	50.683	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 101.360%			
62) 4-Bromofluorobenzene	11.079	95	184372	58.025	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 116.060%			
Target Compounds						Qvalue
3) Chloromethane	1.313	50	106172	49.463	ug/l	95
5) Bromomethane	1.636	94	5551	5.101	ug/l	98
10) Methyl Iodide	2.471	142	50749	12.810	ug/l	94
16) Acetone	2.392	43	147811	150.114	ug/l	100
18) Methyl Acetate	2.715	43	3176	1.245	ug/l #	85
25) 2-Butanone	4.574	43	14672	11.377	ug/l	92
30) Chloroform	5.111	83	9325	1.998	ug/l	86

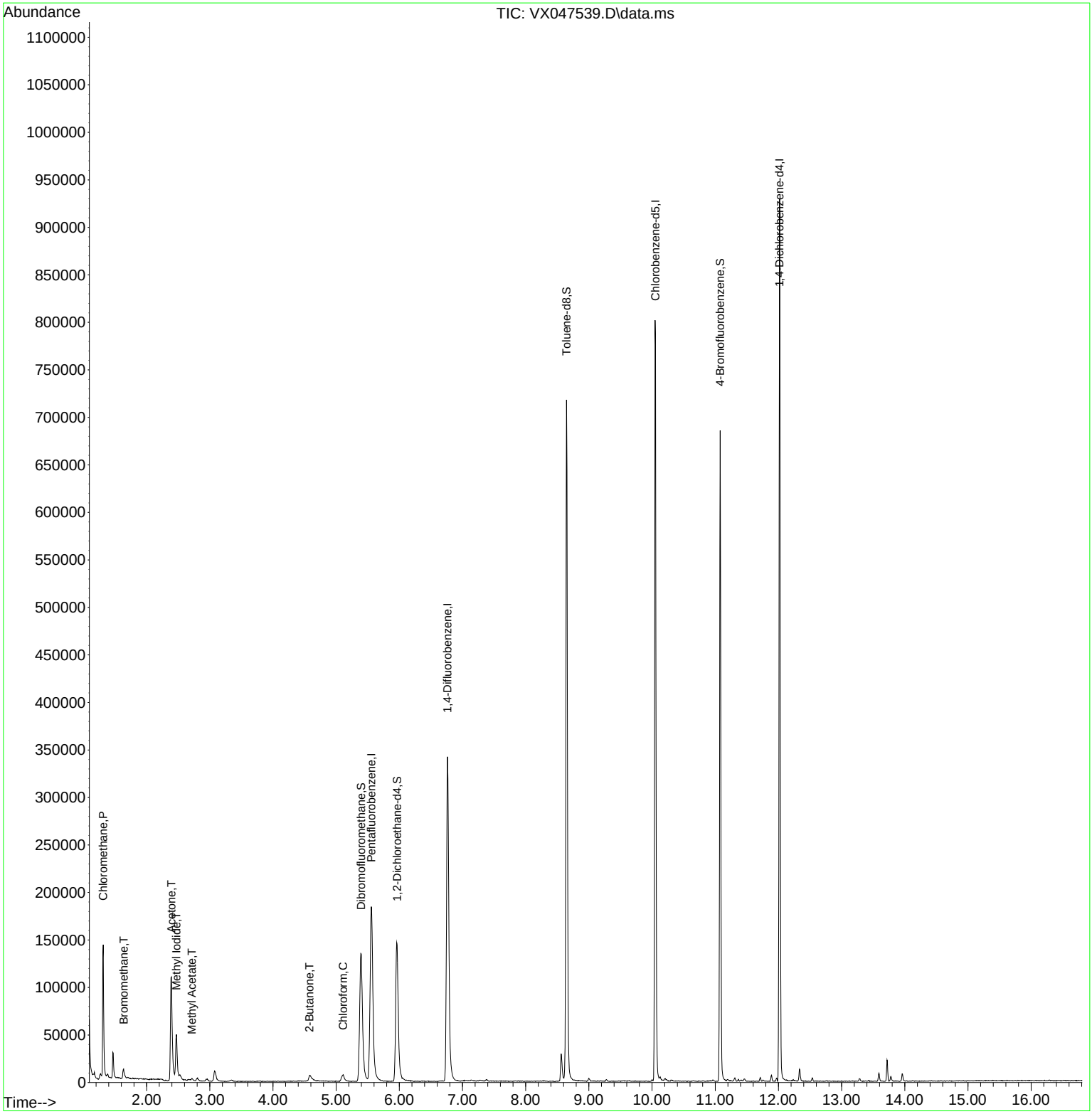
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Sample Results: **VX047539.D**

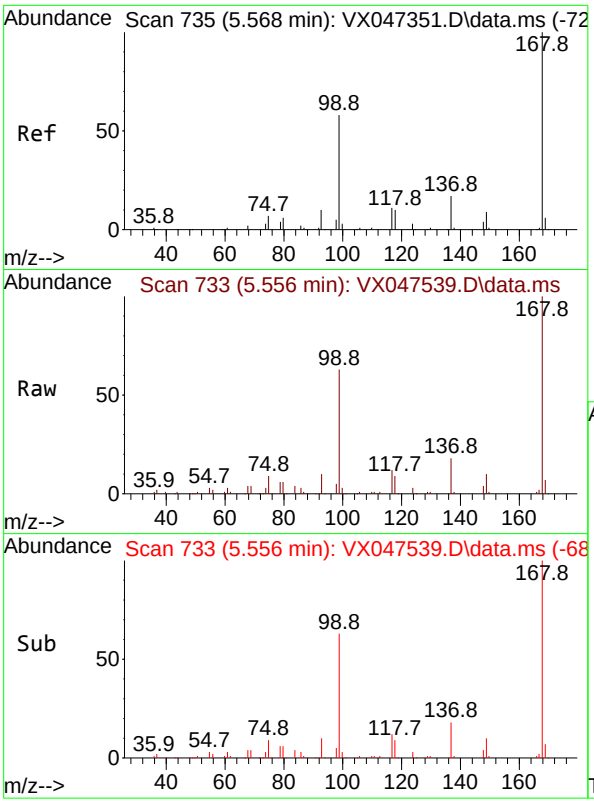
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047539.D
Acq On : 27 Aug 2025 14:44
Operator : JC/MD
Sample : Q2964-02DL 5X
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Quant Time: Aug 28 01:20:31 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



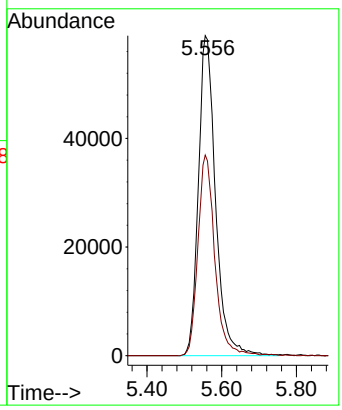
Instrument :
MSVOA_X
ClientSampleId :
MW3DL

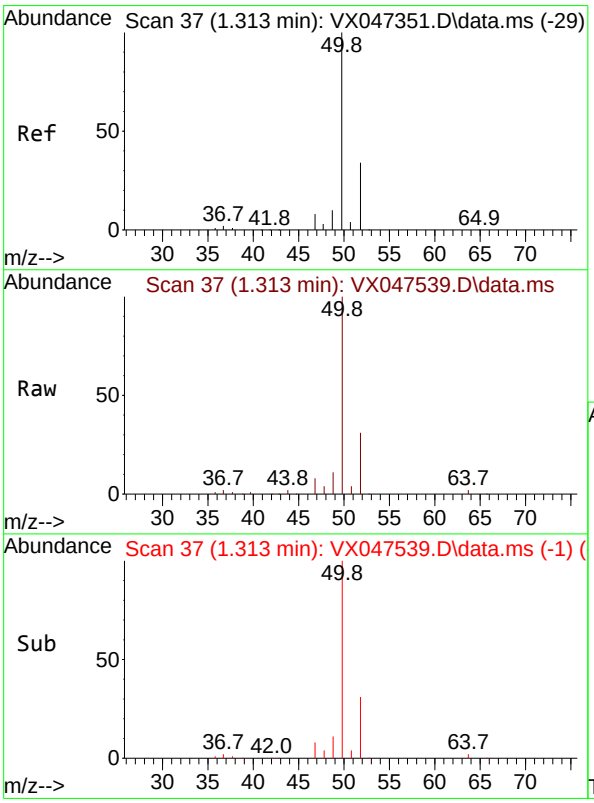


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 7
Delta R.T. -0.012 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:168 Resp: 187177

Ion	Ratio	Lower	Upper
168	100		
99	62.7	47.9	71.9

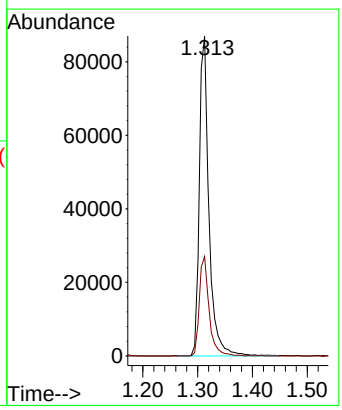


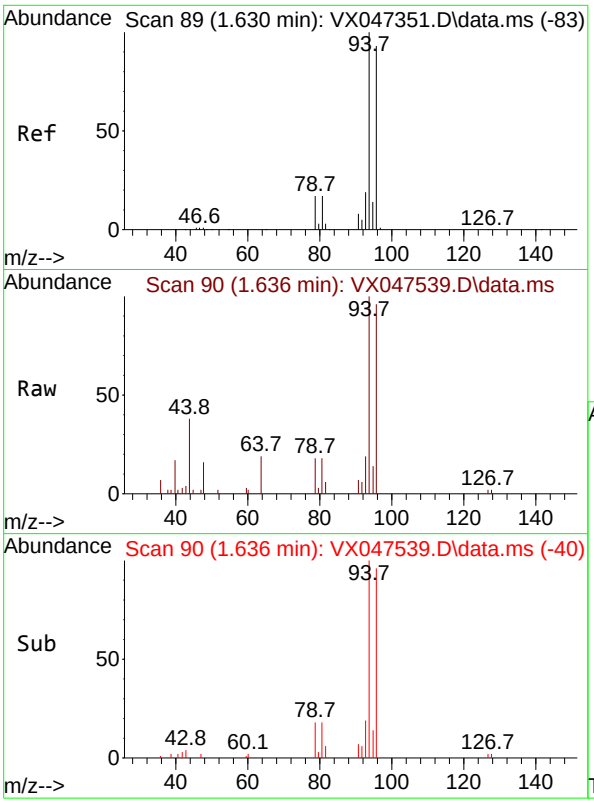


#3
Chloromethane
Concen: 49.463 ug/l
RT: 1.313 min Scan# 37
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 50 Resp: 106172

Ion	Ratio	Lower	Upper
50	100		
52	31.1	27.0	40.4



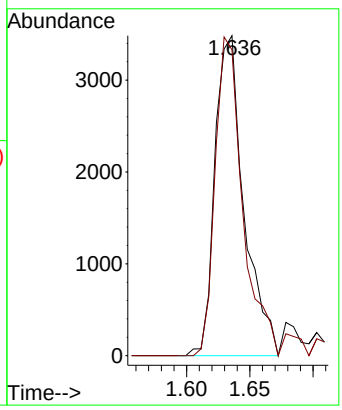


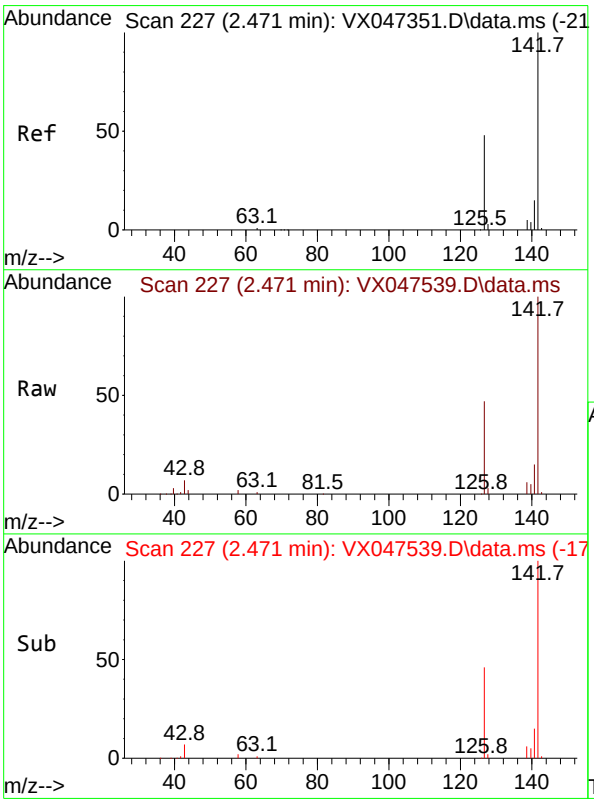
#5
Bromomethane
Concen: 5.101 ug/l
RT: 1.636 min Scan# 9
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 94 Resp: 5551

Ion	Ratio	Lower	Upper
94	100		
96	95.6	74.7	112.1

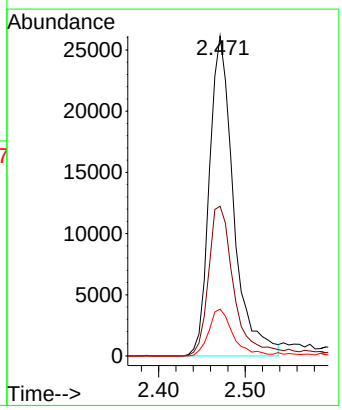


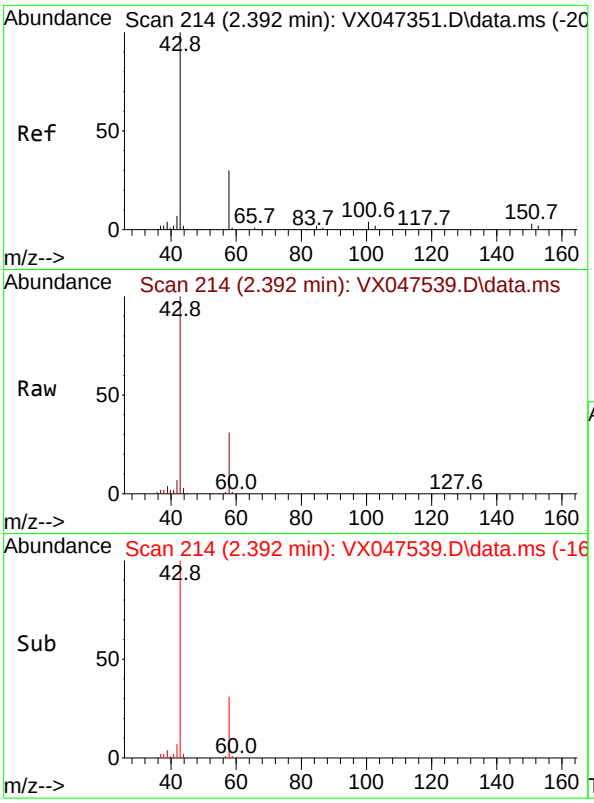


#10
Methyl Iodide
Concen: 12.810 ug/l
RT: 2.471 min Scan# 227
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:142 Resp: 50749

Ion	Ratio	Lower	Upper
142	100		
127	50.0	36.1	54.1
141	14.7	11.1	16.7



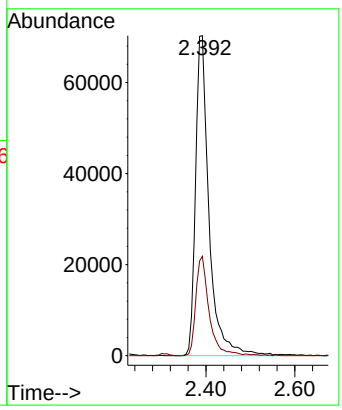


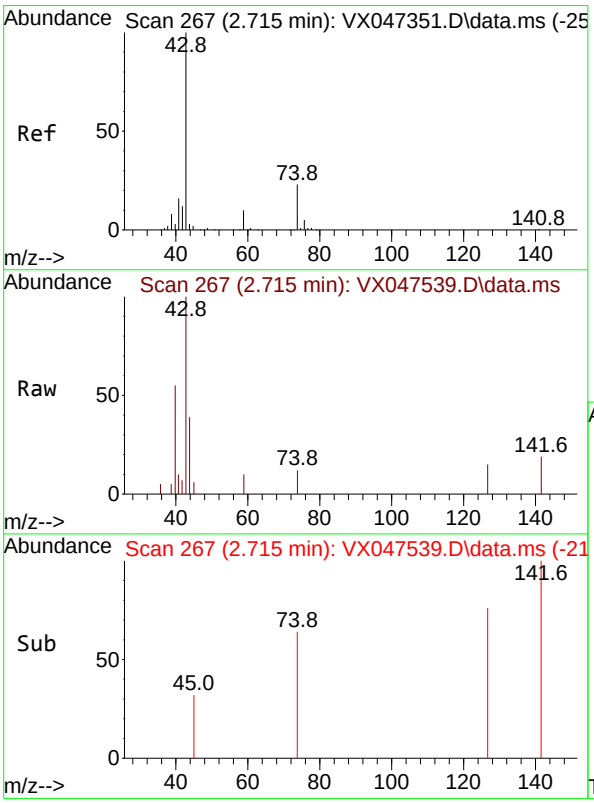
#16
Acetone
Concen: 150.114 ug/l
RT: 2.392 min Scan# 21
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 43 Resp: 147811

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.8	37.2

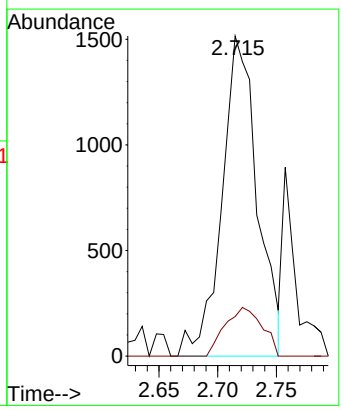


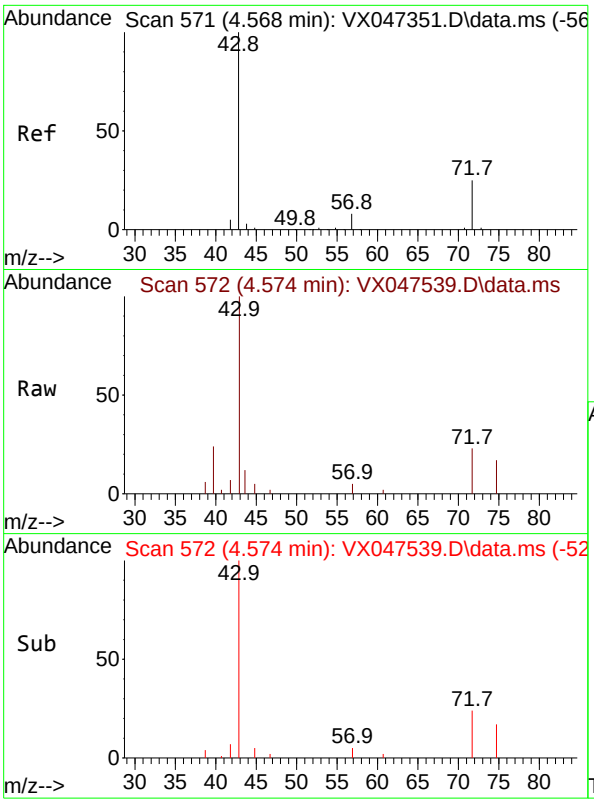


#18
Methyl Acetate
Concen: 1.245 ug/l
RT: 2.715 min Scan# 267
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 43 Resp: 3176

Ion	Ratio	Lower	Upper
43	100		
74	16.0	18.4	27.6#



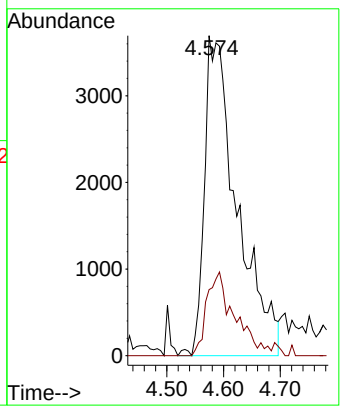


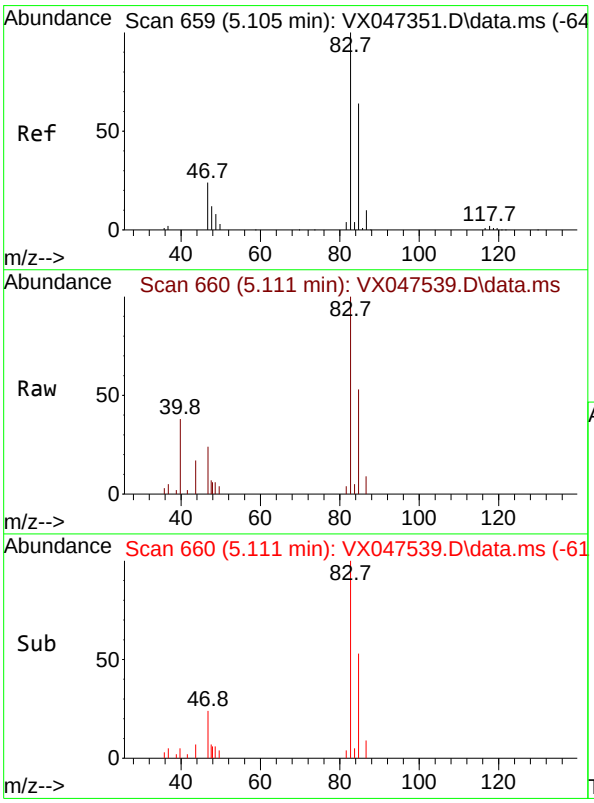
#25
2-Butanone
Concen: 11.377 ug/l
RT: 4.574 min Scan# 5
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 43 Resp: 14672

Ion	Ratio	Lower	Upper
43	100		
72	20.7	19.8	29.8

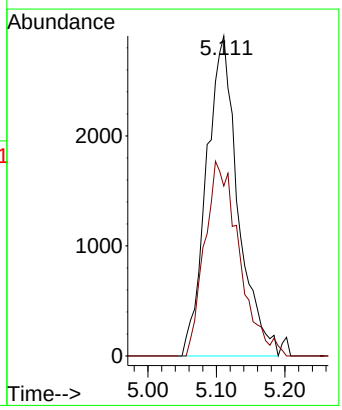


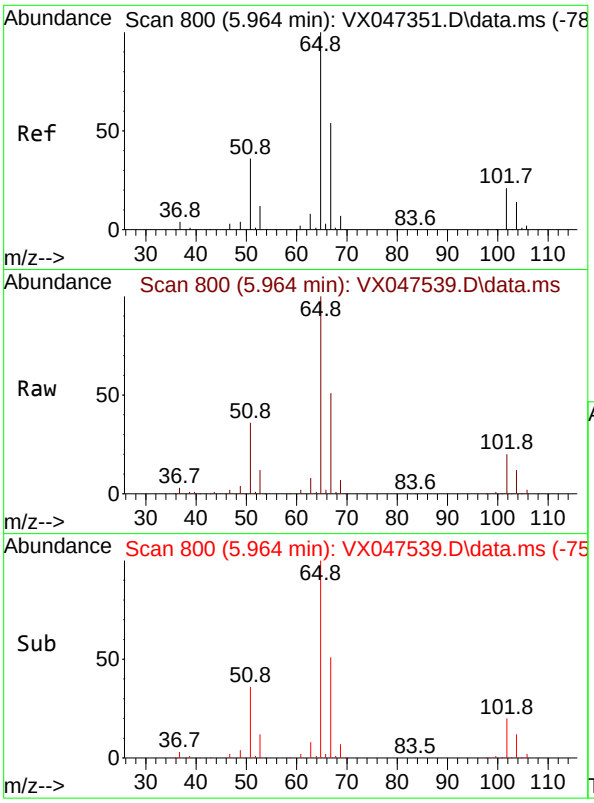


#30
Chloroform
Concen: 1.998 ug/l
RT: 5.111 min Scan# 660
Delta R.T. 0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 83 Resp: 9325

Ion	Ratio	Lower	Upper
83	100		
85	53.1	51.2	76.8



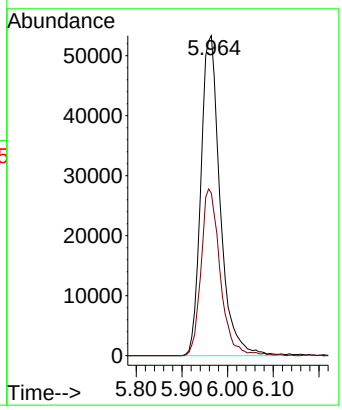


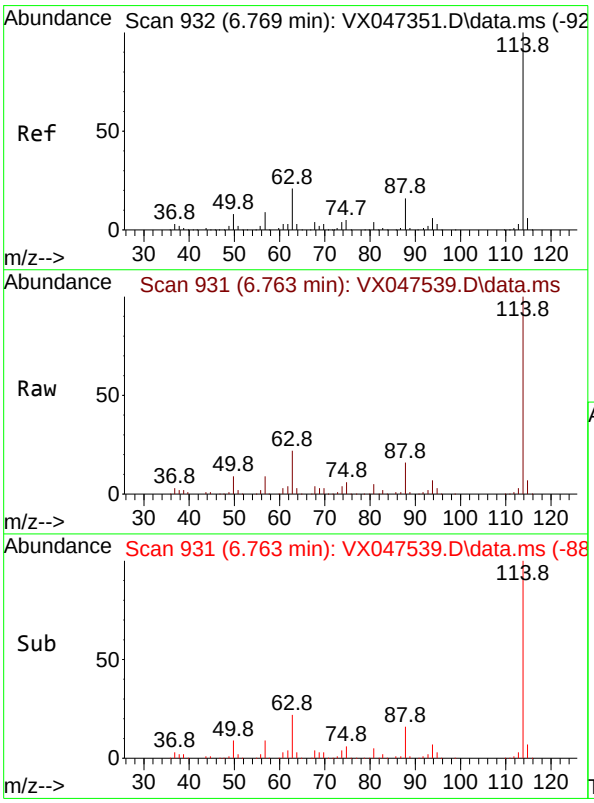
#33
1,2-Dichloroethane-d4
Concen: 59.483 ug/l
RT: 5.964 min Scan# 8
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 65 Resp: 155823

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	106.0

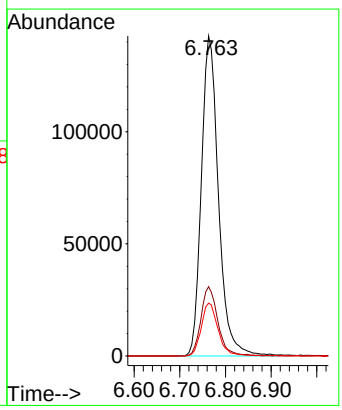


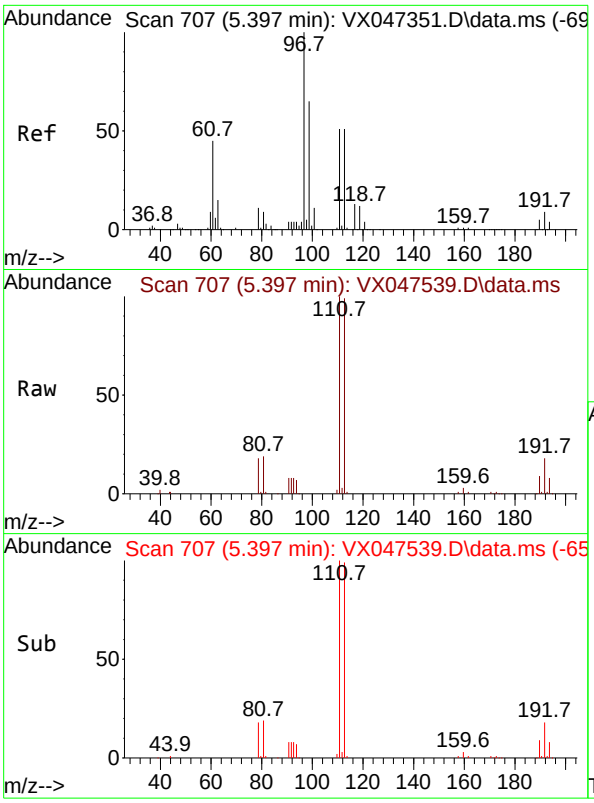


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.763 min Scan# 931
Delta R.T. -0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:114 Resp: 371185

Ion	Ratio	Lower	Upper
114	100		
63	21.6	0.0	42.4
88	16.5	0.0	33.0



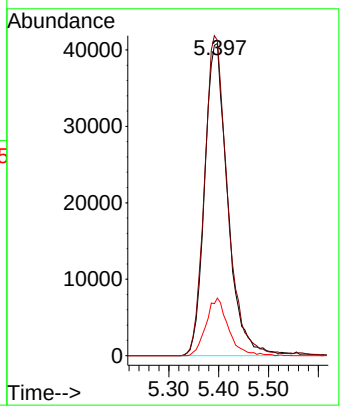


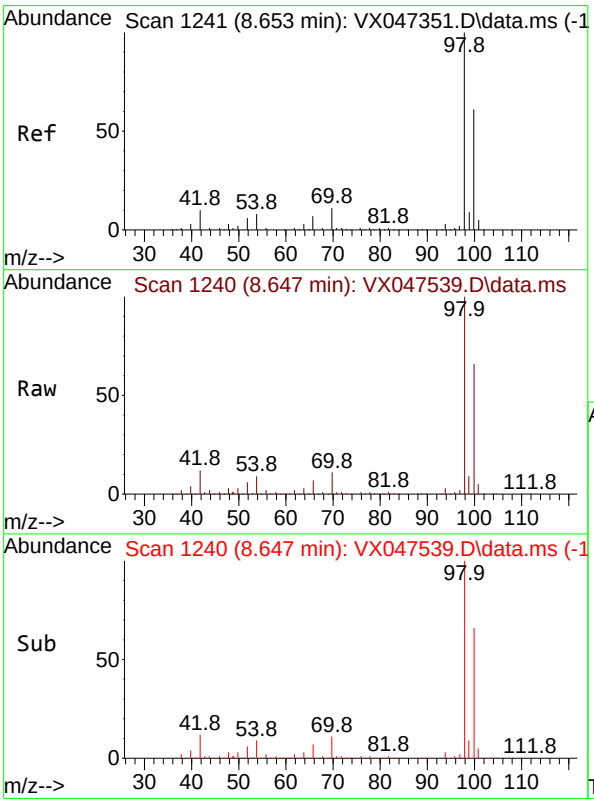
#35
Dibromofluoromethane
Concen: 54.207 ug/l
RT: 5.397 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion:113 Resp: 130586

Ion	Ratio	Lower	Upper
113	100		
111	103.2	81.4	122.2
192	18.0	14.1	21.1

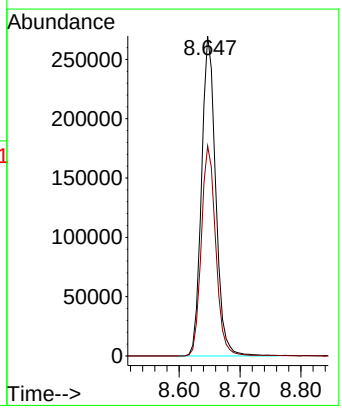


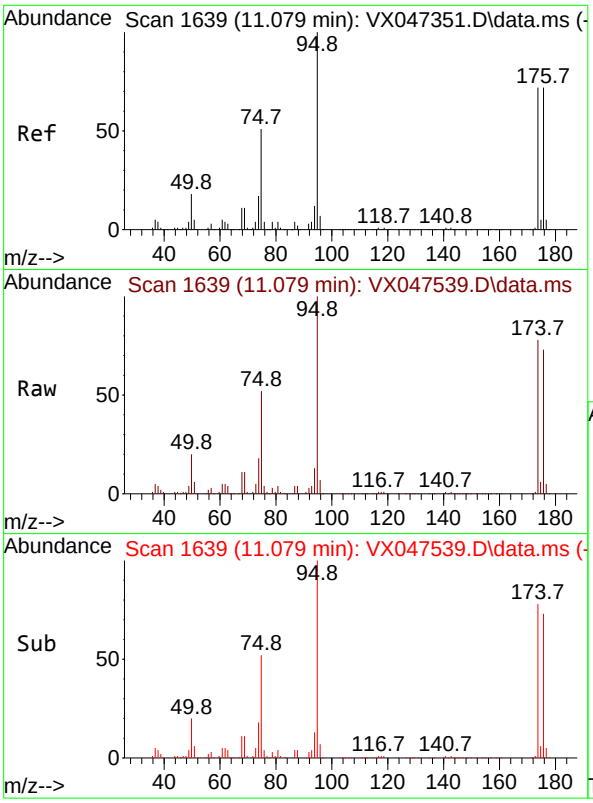


#50
Toluene-d8
Concen: 50.683 ug/l
RT: 8.647 min Scan# 1240
Delta R.T. -0.006 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion: 98 Resp: 436410

Ion	Ratio	Lower	Upper
98	100		
100	67.1	53.9	80.9



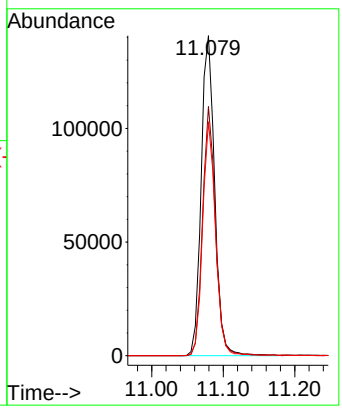


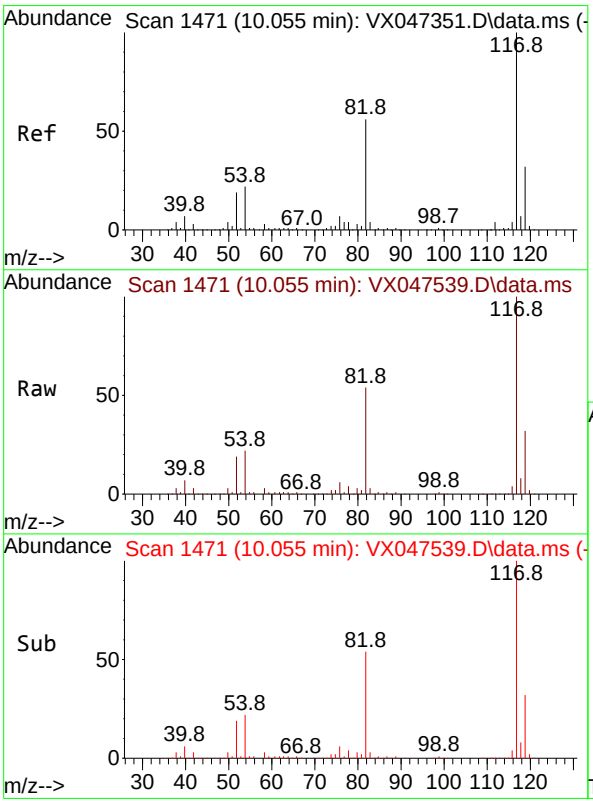
#62
4-Bromofluorobenzene
Concen: 58.025 ug/l
RT: 11.079 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion: 95 Resp: 184372

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	148.0
176	70.4	0.0	145.4

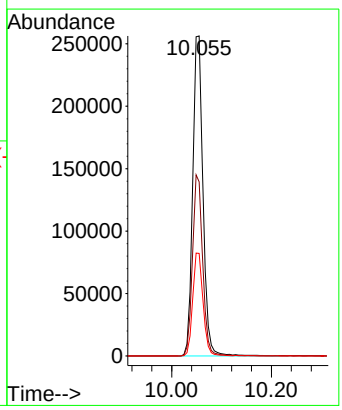


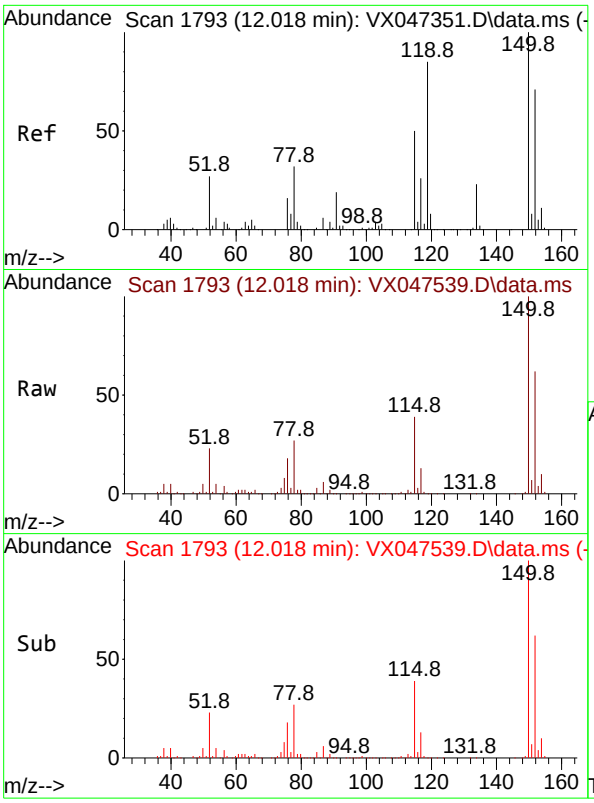


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Tgt Ion:117 Resp: 366426

Ion	Ratio	Lower	Upper
117	100		
82	54.4	45.0	67.4
119	32.1	25.8	38.8



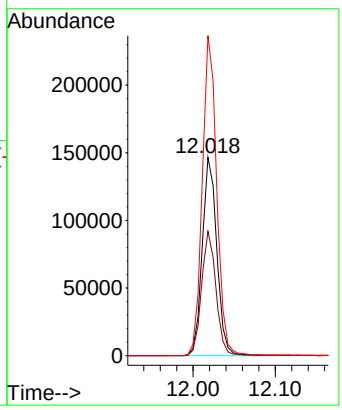


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1
Delta R.T. 0.000 min
Lab File: VX047539.D
Acq: 27 Aug 2025 14:44

Instrument :
MSVOA_X
ClientSampleId :
MW3DL

Tgt Ion:152 Resp: 181024

Ion	Ratio	Lower	Upper
152	100		
115	61.8	44.6	133.8
150	159.4	0.0	349.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:48:09 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

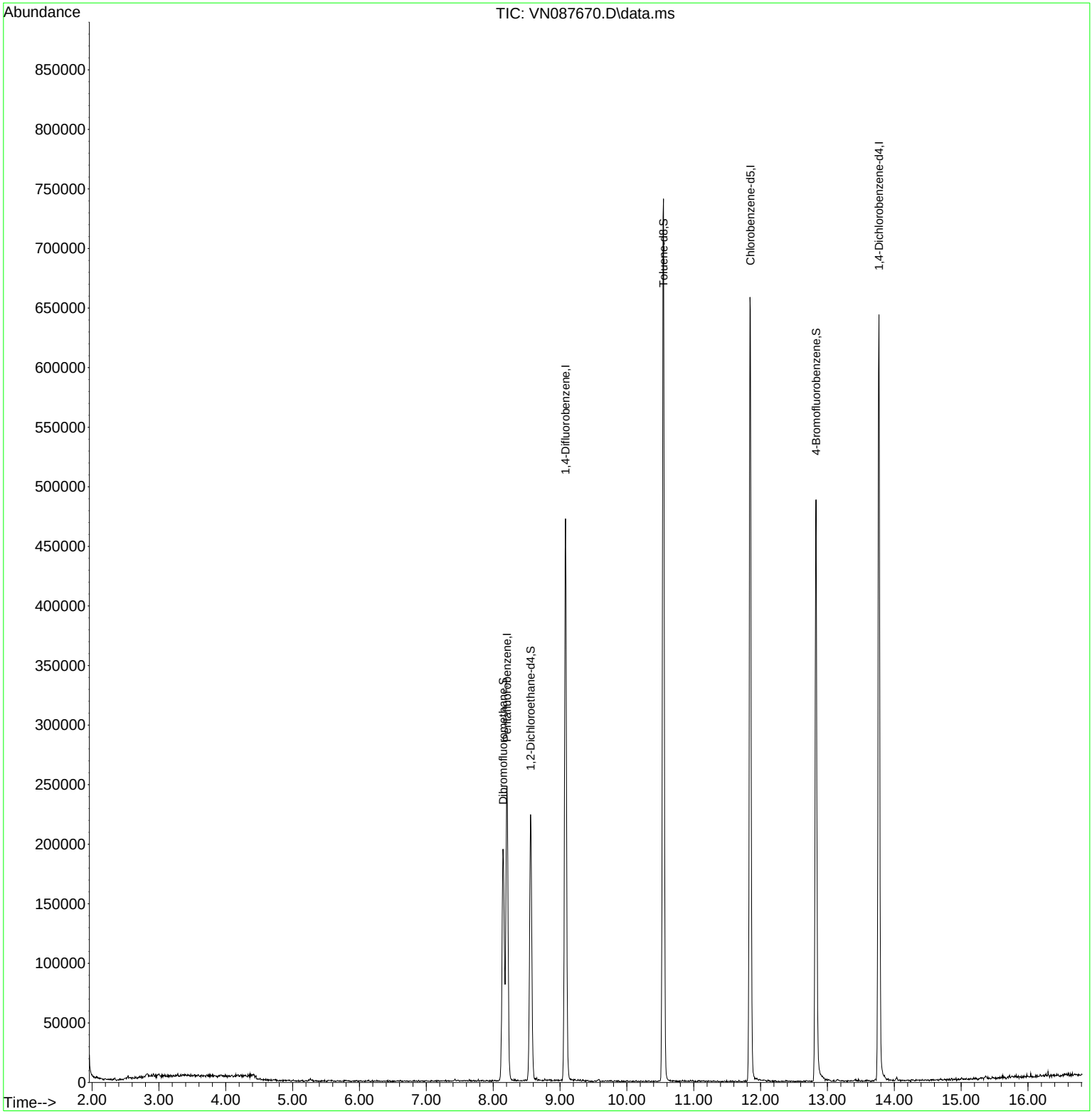
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	165274	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	380815	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	356736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	161997	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	184960	54.621	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.240%			
35) Dibromofluoromethane	8.147	113	139352	50.683	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.360%			
50) Toluene-d8	10.547	98	497036	48.299	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.600%			
62) 4-Bromofluorobenzene	12.829	95	170061	46.468	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.940%			
Target Compounds						Qvalue

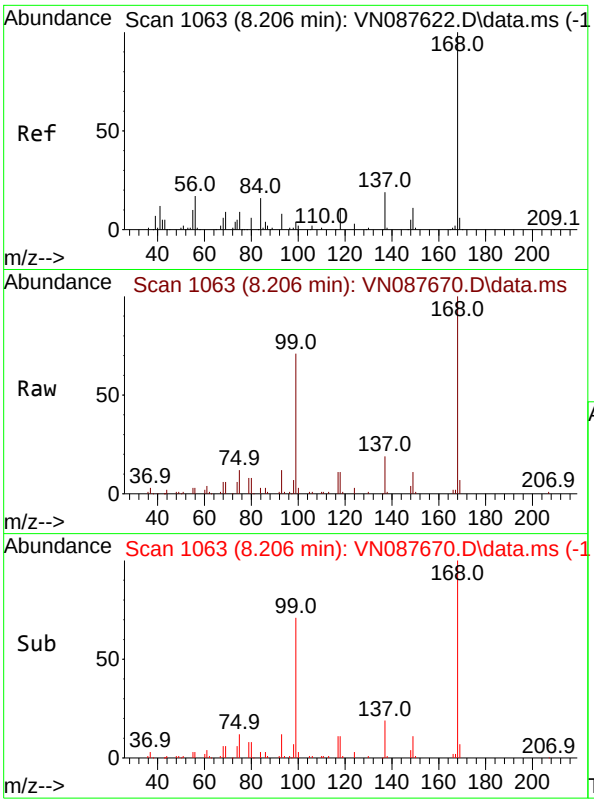
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Quant Time: Aug 27 01:48:09 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



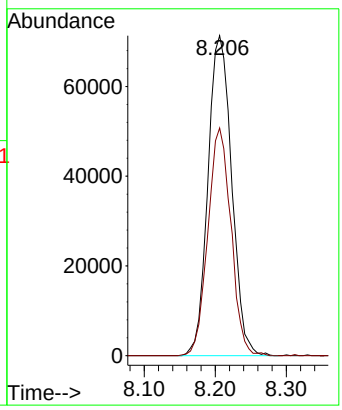


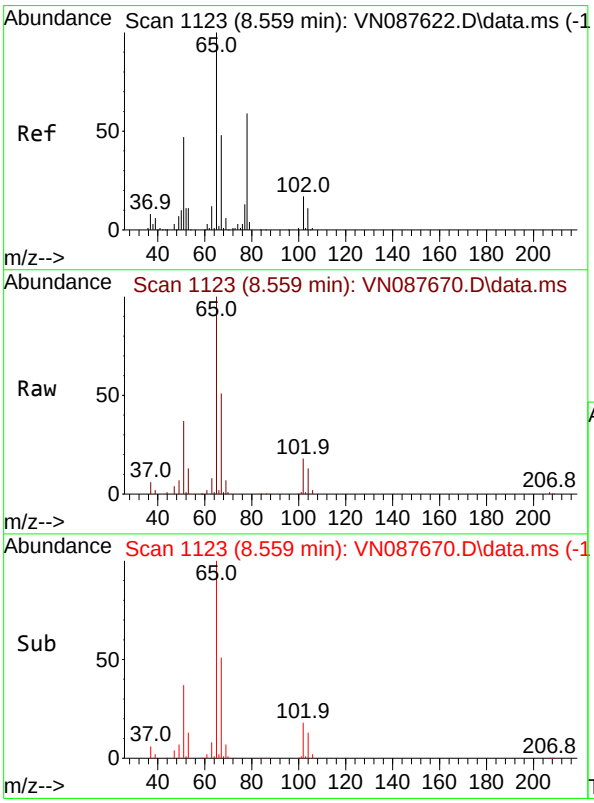
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:168 Resp: 165274

Ion	Ratio	Lower	Upper
168	100		
99	71.2	57.2	85.8

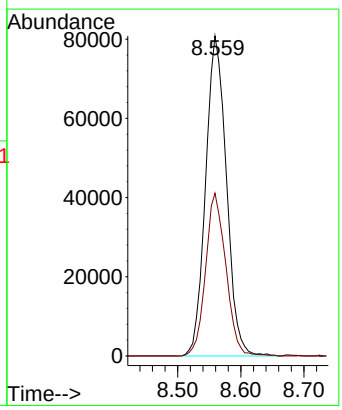


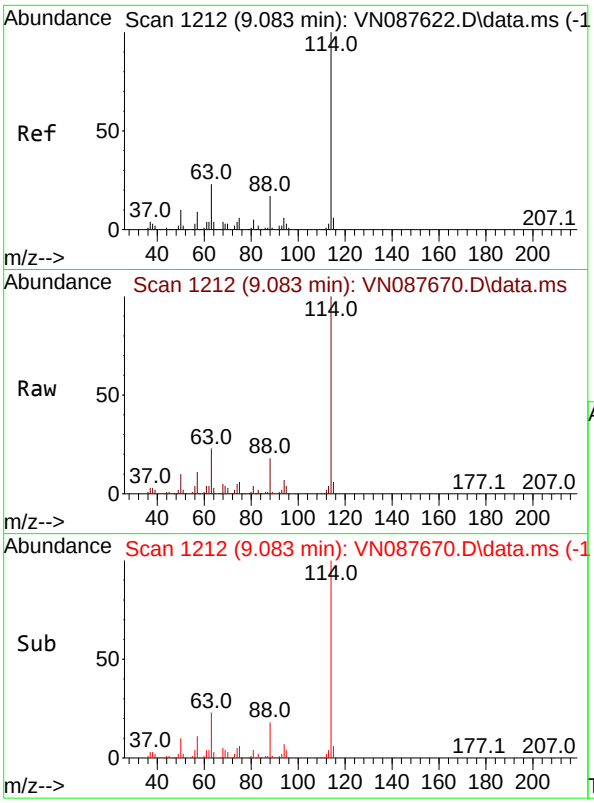


#33
1,2-Dichloroethane-d4
Concen: 54.621 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 65 Resp: 184960

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	100.0



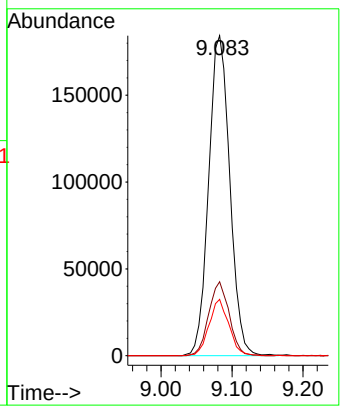


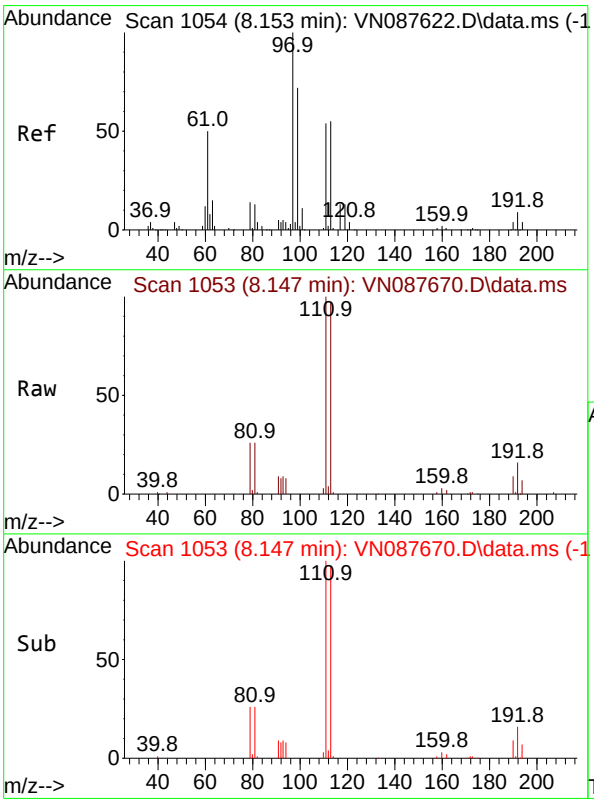
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:114 Resp: 380815

Ion	Ratio	Lower	Upper
114	100		
63	23.1	0.0	45.2
88	17.6	0.0	33.4

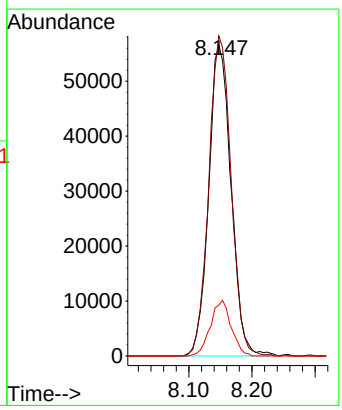


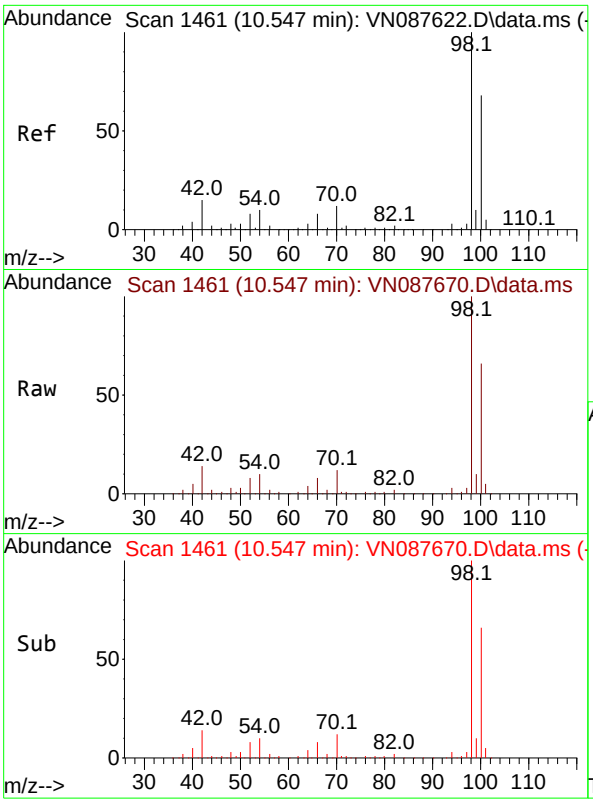


#35
Dibromofluoromethane
Concen: 50.683 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion:113 Resp: 139352

Ion	Ratio	Lower	Upper
113	100		
111	102.6	82.8	124.2
192	16.6	12.8	19.2



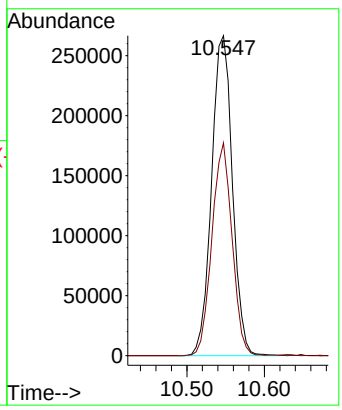


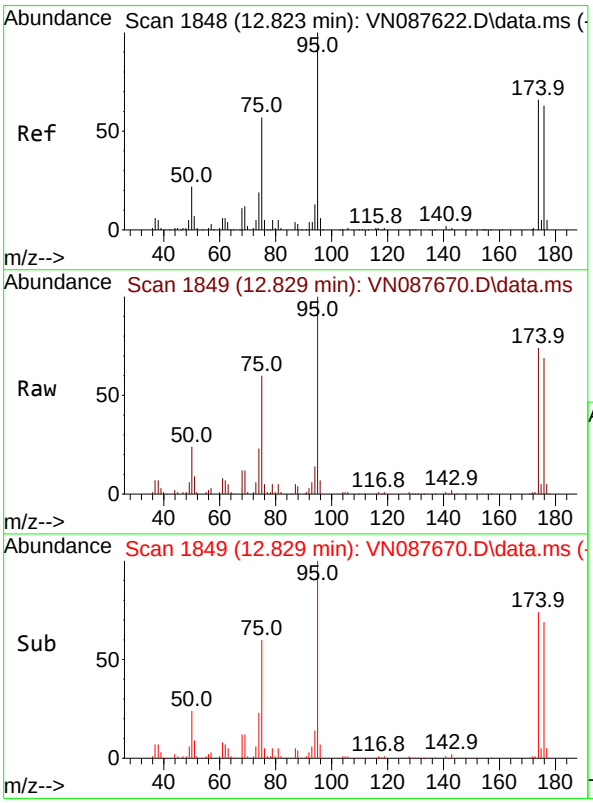
#50
Toluene-d8
Concen: 48.299 ug/l
RT: 10.547 min Scan# 14
Delta R.T. 0.000 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion: 98 Resp: 497036

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2

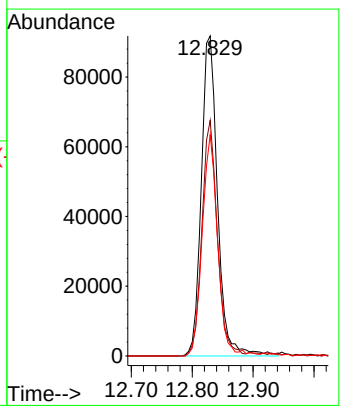


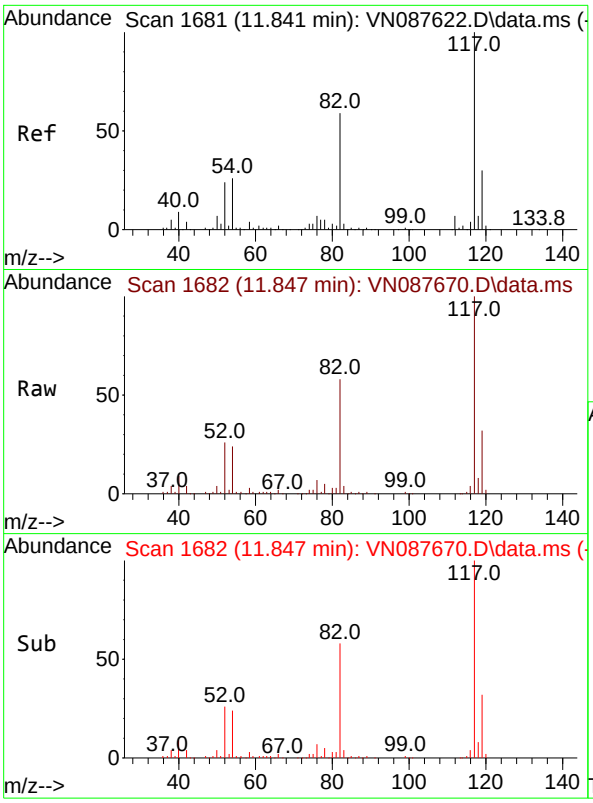


#62
4-Bromofluorobenzene
Concen: 46.468 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion: 95 Resp: 170061

Ion	Ratio	Lower	Upper
95	100		
174	69.8	0.0	138.4
176	64.8	0.0	132.6



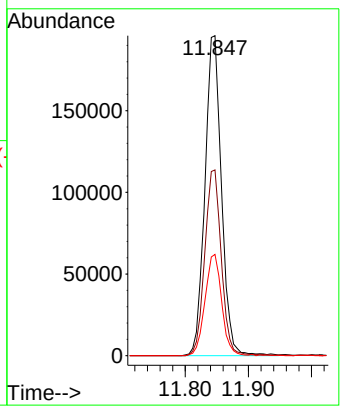


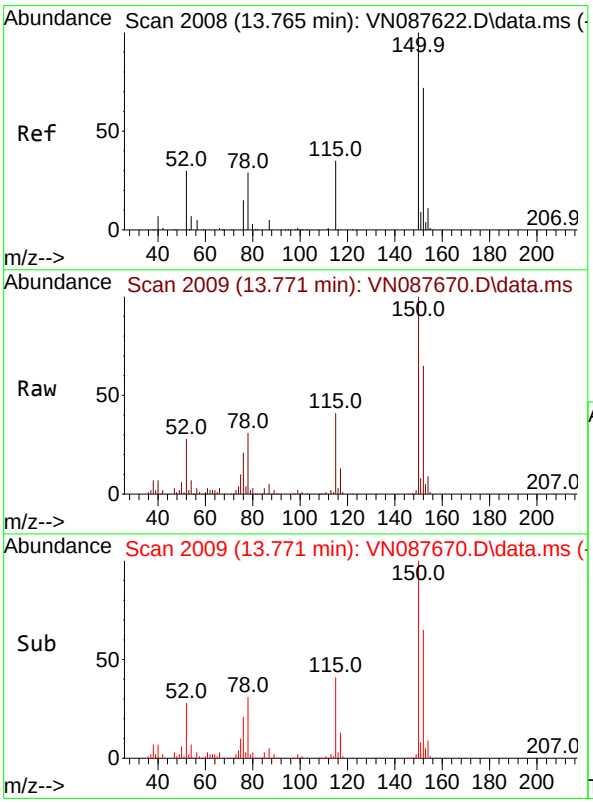
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

Tgt Ion:117 Resp: 356736

Ion	Ratio	Lower	Upper
117	100		
82	58.0	47.4	71.2
119	31.6	24.3	36.5

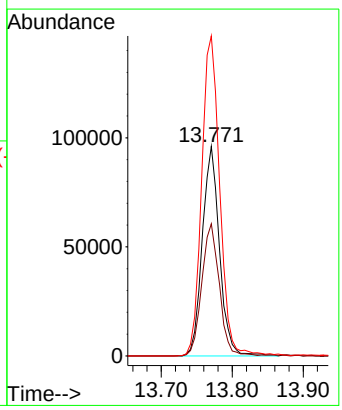




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087670.D
Acq: 26 Aug 2025 15:08

Tgt Ion:152 Resp: 161997

Ion	Ratio	Lower	Upper
152	100		
115	64.1	32.3	96.8
150	160.7	0.0	351.0



Sample Results: **VN087670.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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: VN087670.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	194100	472341	34.07%	6.640%
2	8.206	1058	1063	1075	rVB2	247010	561691	40.52%	7.896%
3	8.559	1114	1123	1133	rBV	223249	507485	36.61%	7.134%
4	9.083	1203	1212	1225	rBV	471894	975426	70.36%	13.711%
5	10.547	1452	1461	1474	rBV	740441	1386290	100.00%	19.487%
6	11.841	1672	1681	1693	rBV	658618	1203571	86.82%	16.918%
7	12.829	1841	1849	1864	rBV	487982	881622	63.60%	12.393%
8	13.771	2002	2009	2022	rBV	642408	1125591	81.19%	15.822%

Sum of corrected areas: 7114017

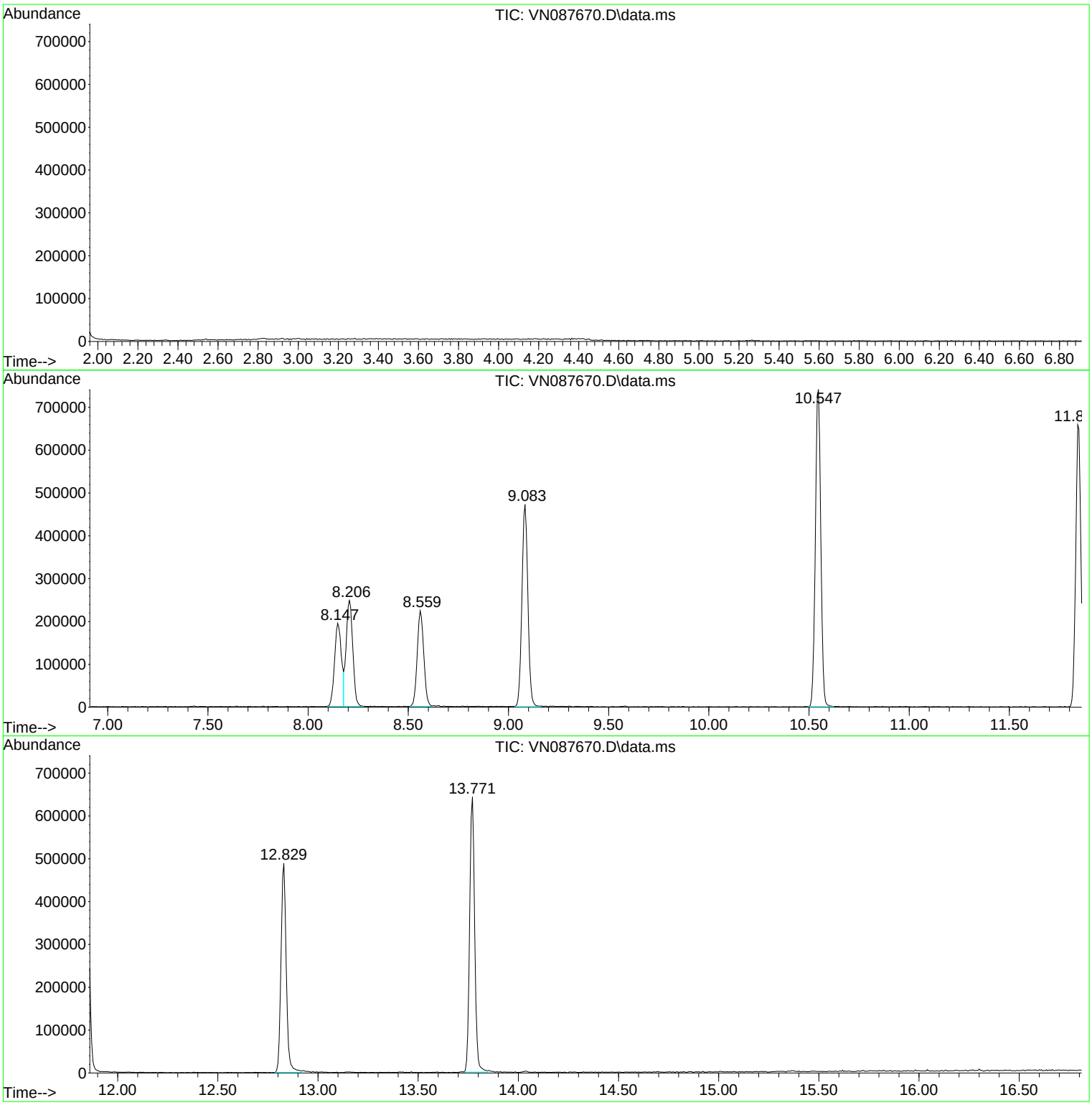
Sample Results: **VN087670.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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\VN082625\
Data File : VN087670.D
Acq On : 26 Aug 2025 15:08
Operator : JC\MD
Sample : VN0826WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBL01

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_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Time: Aug 28 01:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

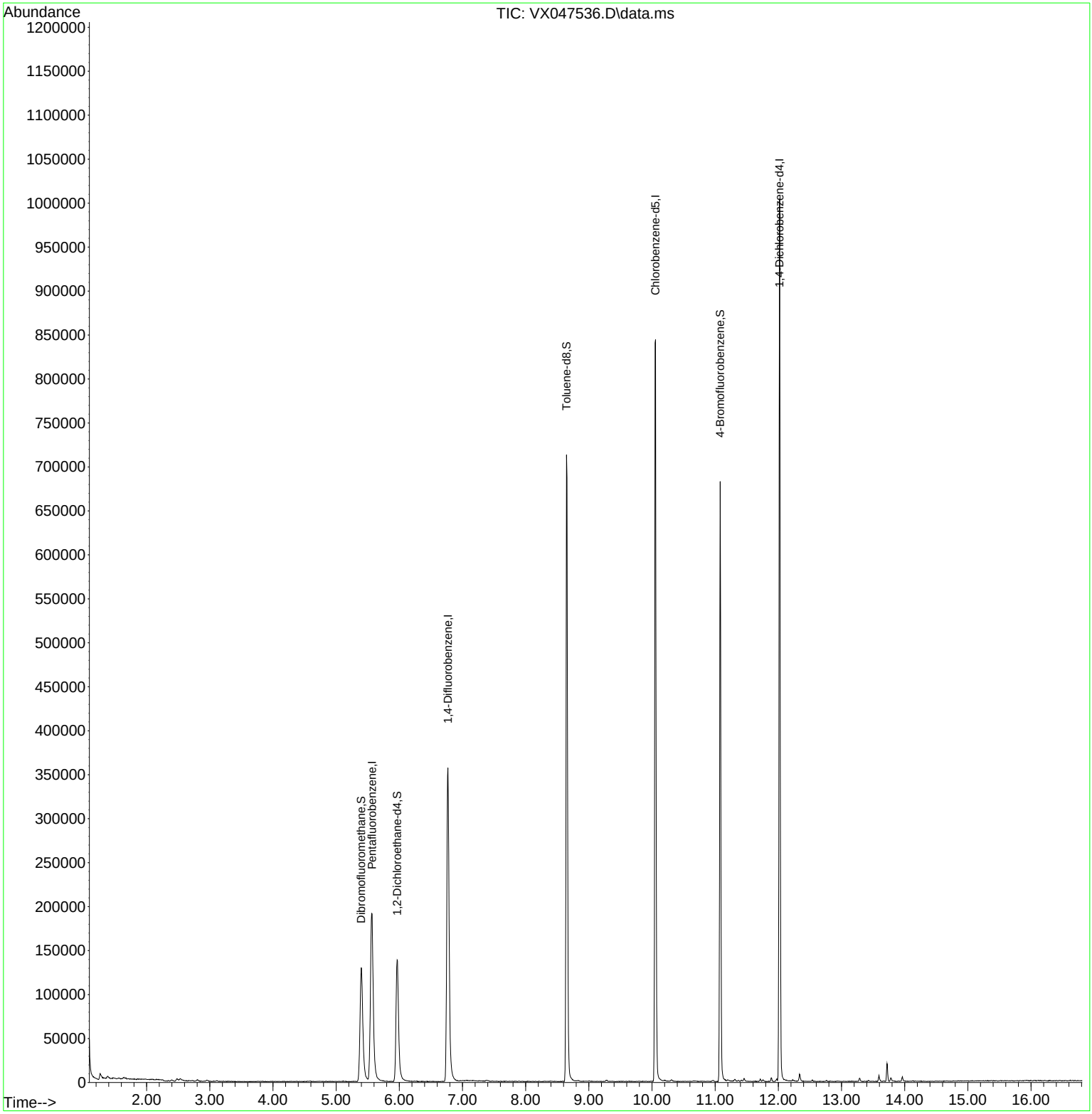
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.568	168	194583	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	393301	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	391930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	194932	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	146855	53.926	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 107.860%			
35) Dibromofluoromethane	5.397	113	123885	48.534	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 97.060%			
50) Toluene-d8	8.647	98	433620	47.528	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 95.060%			
62) 4-Bromofluorobenzene	11.079	95	182336	54.158	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 108.320%			
Target Compounds						Qvalue

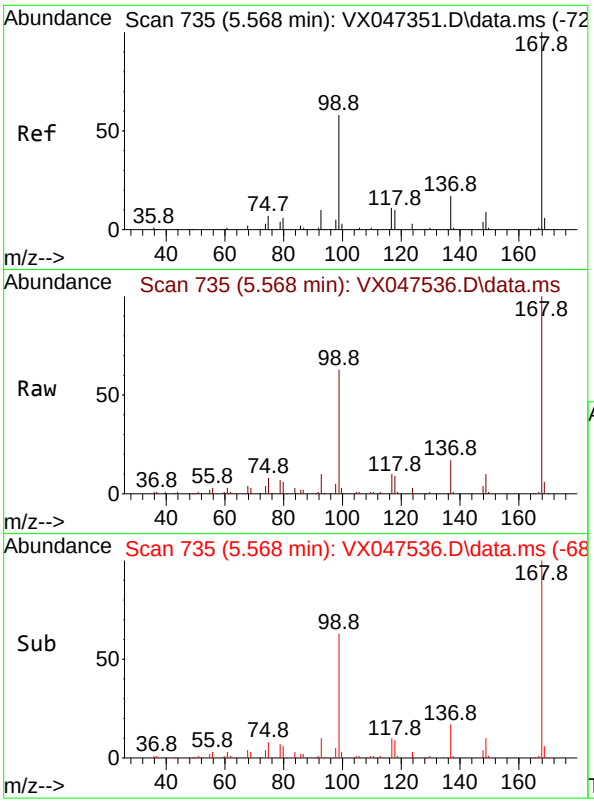
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Time: Aug 28 01:18:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration



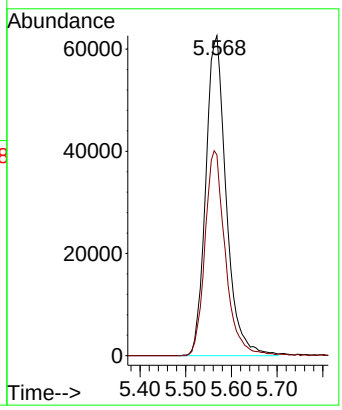


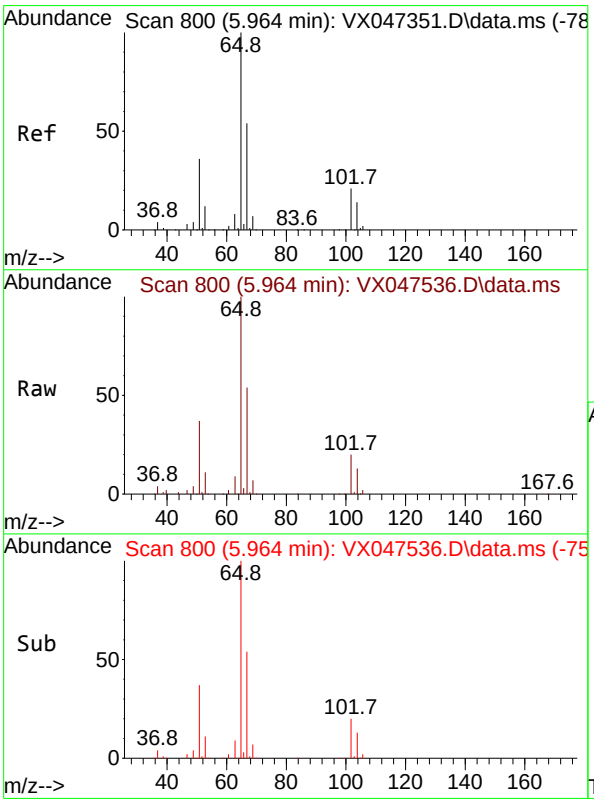
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 7
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion:168 Resp: 194583

Ion	Ratio	Lower	Upper
168	100		
99	62.8	47.9	71.9

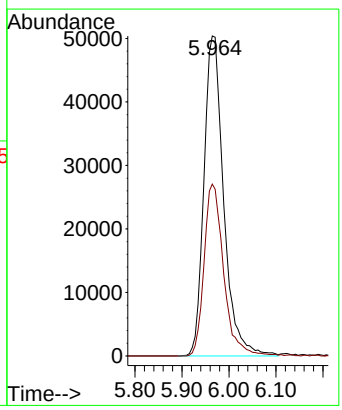


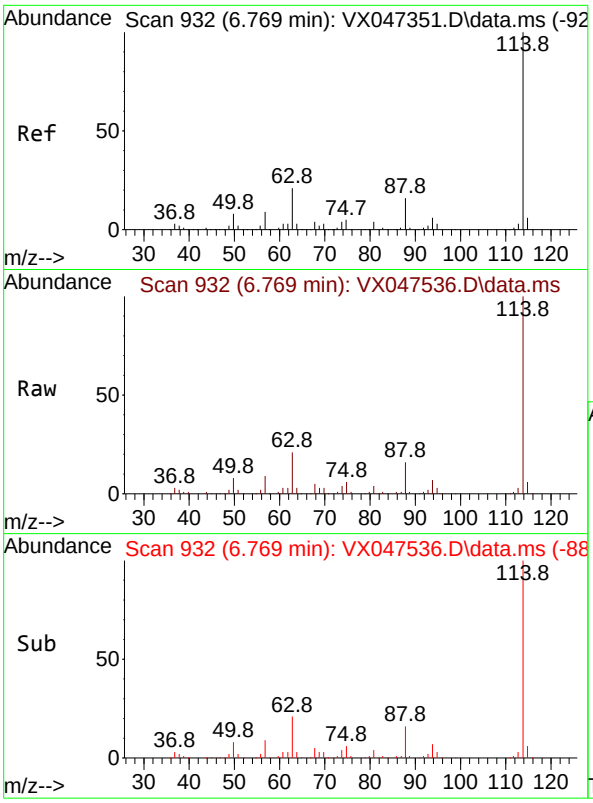


#33
1,2-Dichloroethane-d4
Concen: 53.926 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion: 65 Resp: 146855

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	106.0



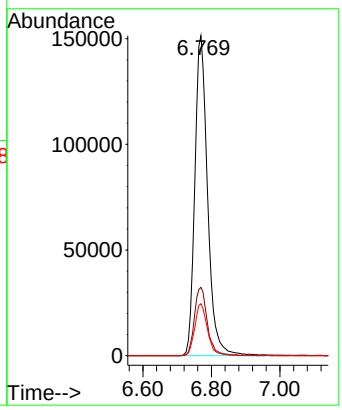


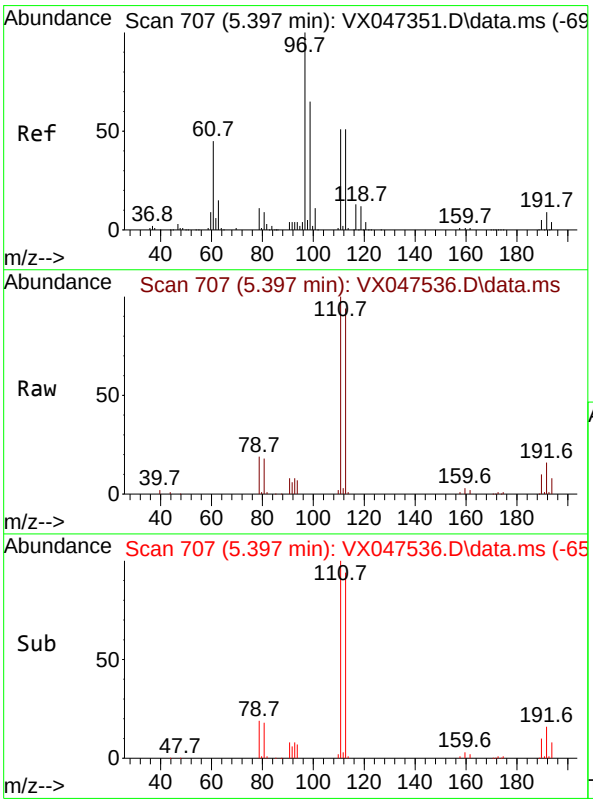
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 6.769 min Scan# 9
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion:114 Resp: 393301

Ion	Ratio	Lower	Upper
114	100		
63	21.3	0.0	42.4
88	16.3	0.0	33.0

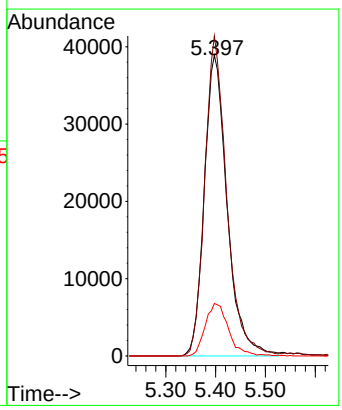


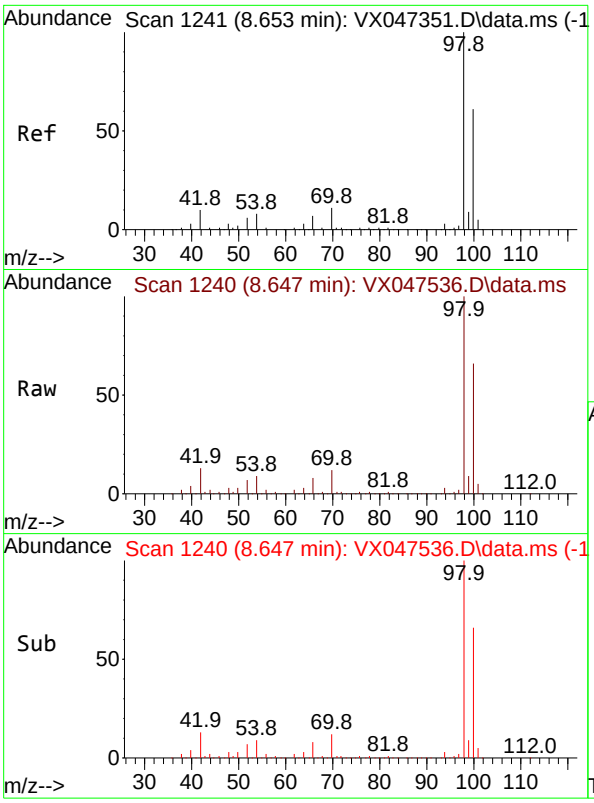


#35
Dibromofluoromethane
Concen: 48.534 ug/l
RT: 5.397 min Scan# 707
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion:113 Resp: 123885

Ion	Ratio	Lower	Upper
113	100		
111	102.3	81.4	122.2
192	17.8	14.1	21.1



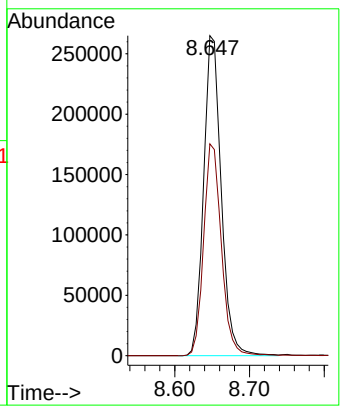


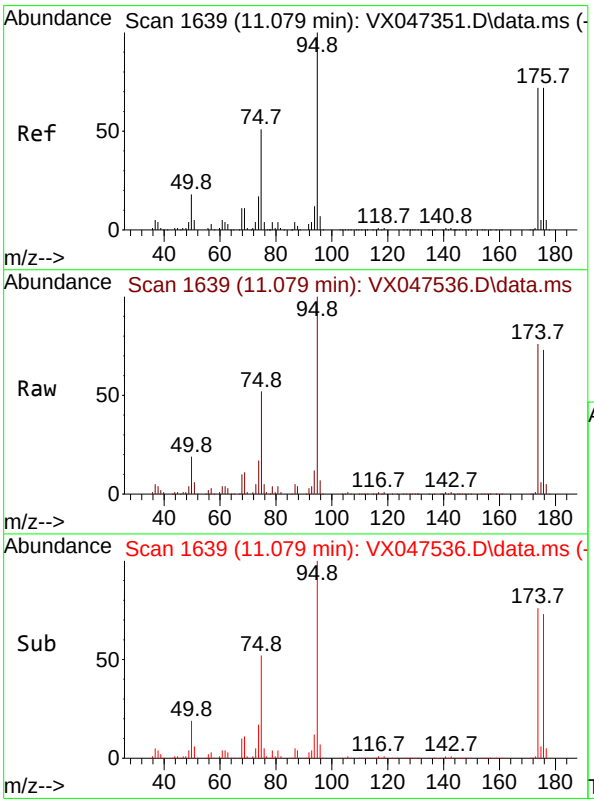
#50
Toluene-d8
Concen: 47.528 ug/l
RT: 8.647 min Scan# 1
Delta R.T. -0.006 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion: 98 Resp: 433620

Ion	Ratio	Lower	Upper
98	100		
100	66.5	53.9	80.9

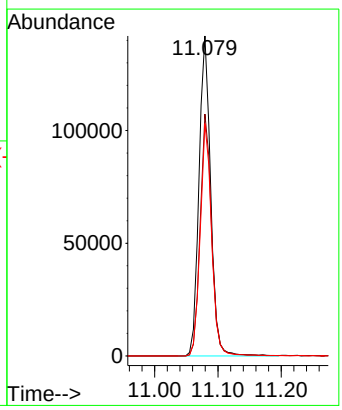


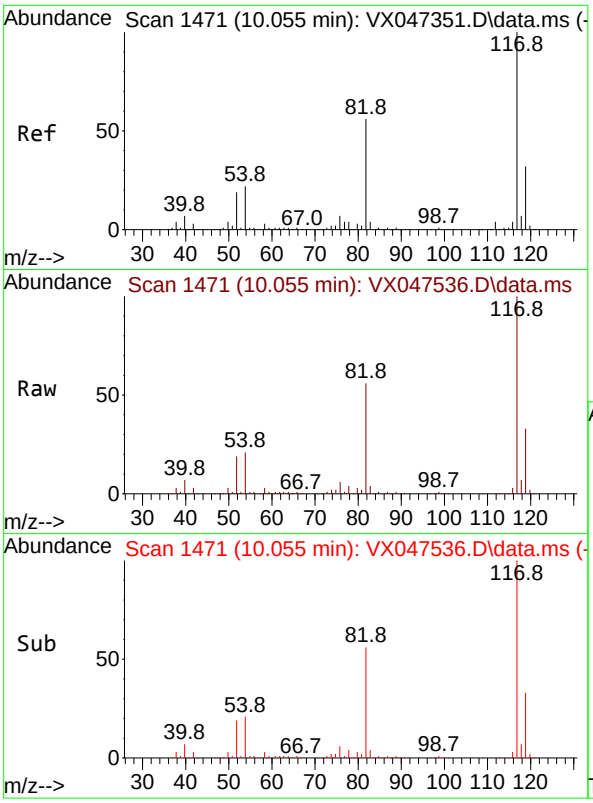


#62
4-Bromofluorobenzene
Concen: 54.158 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion: 95 Resp: 182336

Ion	Ratio	Lower	Upper
95	100		
174	74.6	0.0	148.0
176	71.2	0.0	145.4



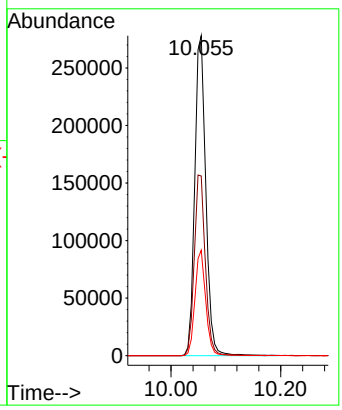


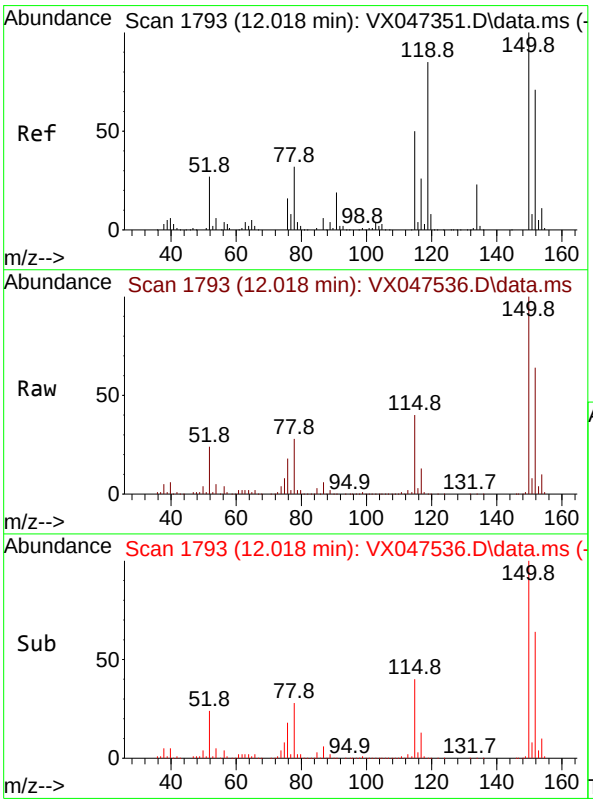
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 14
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Tgt Ion:117 Resp: 391930

Ion	Ratio	Lower	Upper
117	100		
82	56.1	45.0	67.4
119	33.0	25.8	38.8

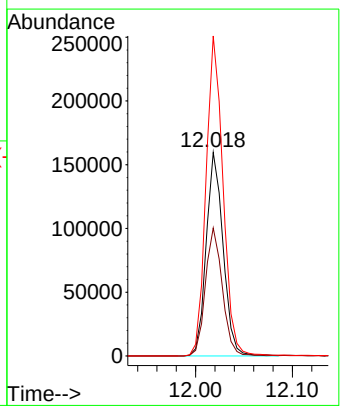




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. 0.000 min
Lab File: VX047536.D
Acq: 27 Aug 2025 13:14

Tgt Ion:152 Resp: 194932

Ion	Ratio	Lower	Upper
152	100		
115	63.2	44.6	133.8
150	157.6	0.0	349.8



Sample Results: **VX047536.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

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_X\Method\82X081525W.M
Title : SW846 8260

Signal : TIC: VX047536.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.264	25	29	35	rBV3	6647	13589	1.11%	0.198%
2	5.397	696	707	724	rBV	129629	408590	33.29%	5.940%
3	5.562	724	734	757	rVB	190109	600301	48.90%	8.727%
4	5.964	791	800	820	rBV2	138165	404229	32.93%	5.876%
5	6.769	922	932	954	rBV	356456	926977	75.52%	13.476%
6	8.647	1234	1240	1255	rBV	712809	1175715	95.78%	17.092%
7	10.055	1465	1471	1490	rBV	843284	1213001	98.82%	17.634%
8	11.079	1633	1639	1651	rBV	682543	870581	70.92%	12.656%
9	12.018	1788	1793	1804	rBV	1002590	1227510	100.00%	17.845%
10	12.335	1839	1845	1853	rVB3	8210	12556	1.02%	0.183%
11	13.719	2068	2072	2078	rBV3	20239	25708	2.09%	0.374%

Sum of corrected areas: 6878757

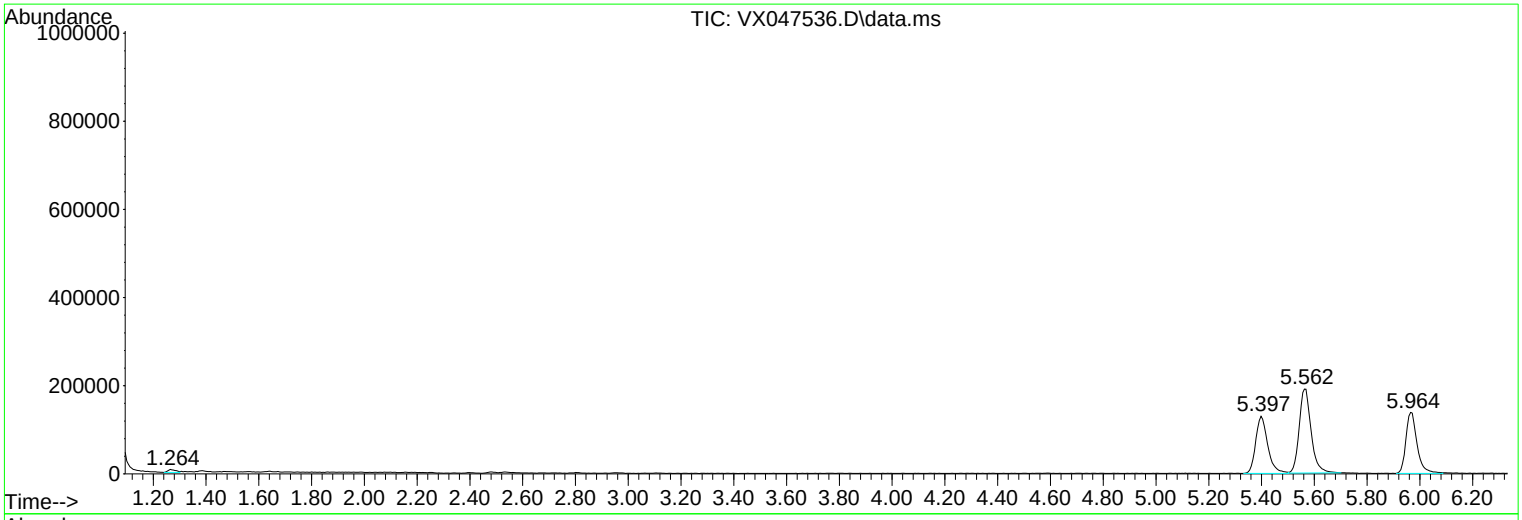
Sample Results: **VX047536.D**

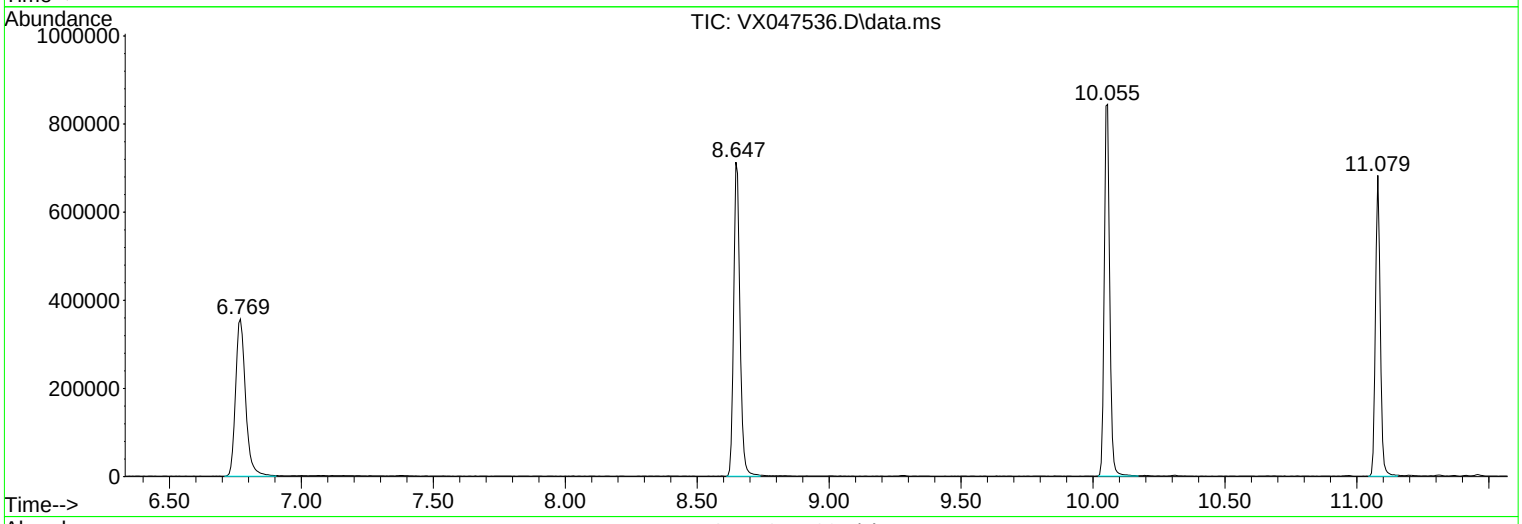
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

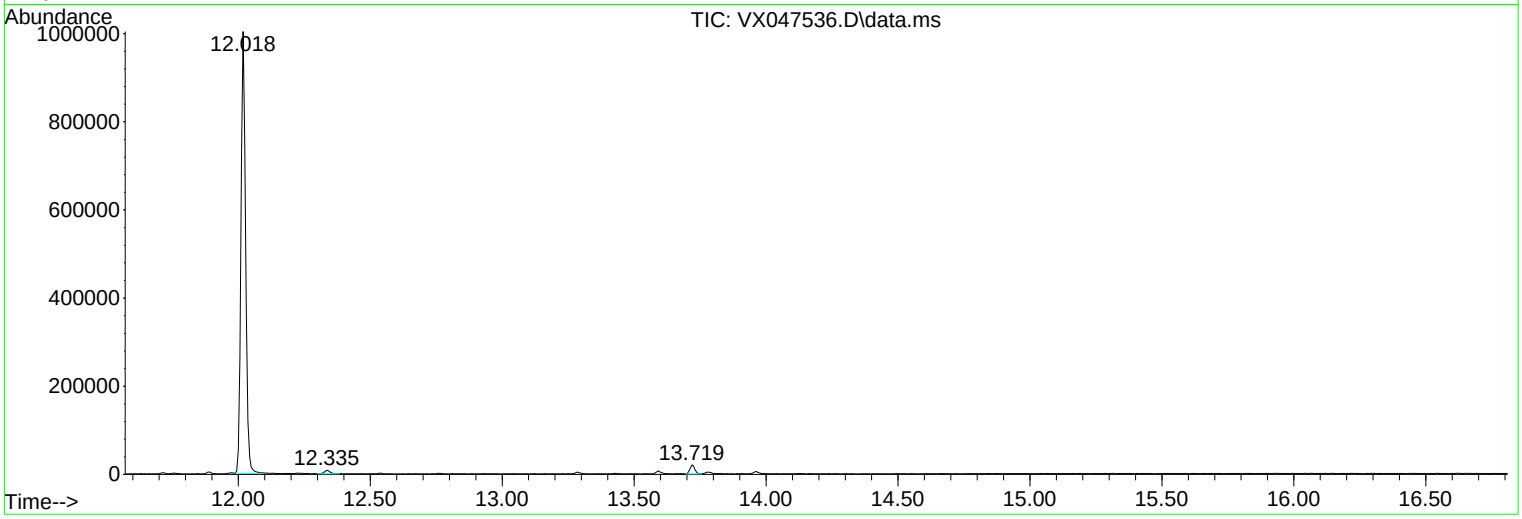
Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260

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







Library Search Compound Report

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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_X\Data\VX082725\
Data File : VX047536.D
Acq On : 27 Aug 2025 13:14
Operator : JC/MD
Sample : VX0827WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.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\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 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

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
Internal Standards							
1) Pentafluorobenzene	8.206	168	198008	50.000	ug/l		0.00
34) 1,4-Difluorobenzene	9.083	114	395232	50.000	ug/l		0.00
63) Chlorobenzene-d5	11.841	117	367348	50.000	ug/l		0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	187839	50.000	ug/l		0.00
System Monitoring Compounds							
33) 1,2-Dichloroethane-d4	8.559	65	194545	47.953	ug/l		0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.900%			
35) Dibromofluoromethane	8.153	113	132713	46.508	ug/l		0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.020%			
50) Toluene-d8	10.547	98	494001	46.253	ug/l		0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	92.500%			
62) 4-Bromofluorobenzene	12.829	95	179531	47.266	ug/l		0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	94.540%			
Target Compounds							Qvalue
2) Dichlorodifluoromethane	2.142	85	64302	22.865	ug/l		95
3) Chloromethane	2.383	50	60661	20.989	ug/l		95
4) Vinyl Chloride	2.536	62	70831	21.137	ug/l		99
5) Bromomethane	2.983	94	37311	21.579	ug/l		94
6) Chloroethane	3.142	64	49018	20.813	ug/l		97
7) Trichlorofluoromethane	3.512	101	100429	20.456	ug/l		98
8) Diethyl Ether	3.959	74	43133	20.173	ug/l		97
9) 1,1,2-Trichlorotrifluo...	4.371	101	54481	19.612	ug/l		97
10) Methyl Iodide	4.589	142	27208	18.131	ug/l	#	94
11) Tert butyl alcohol	5.518	59	69286	98.375	ug/l		99
12) 1,1-Dichloroethene	4.342	96	58926	20.641	ug/l		95
13) Acrolein	4.177	56	82354	95.114	ug/l		96
14) Allyl chloride	5.018	41	96106	18.577	ug/l		97
15) Acrylonitrile	5.712	53	197682	99.522	ug/l		100
16) Acetone	4.424	43	218652	99.006	ug/l		98
17) Carbon Disulfide	4.700	76	150572	19.159	ug/l		99
18) Methyl Acetate	5.012	43	100414	21.715	ug/l		98
19) Methyl tert-butyl Ether	5.795	73	213246	19.912	ug/l		96
20) Methylene Chloride	5.265	84	65338	19.702	ug/l	#	91
21) trans-1,2-Dichloroethene	5.777	96	57570	18.607	ug/l		95
22) Diisopropyl ether	6.659	45	227072	20.340	ug/l		99
23) Vinyl Acetate	6.589	43	1030511	101.460	ug/l		98
24) 1,1-Dichloroethane	6.559	63	121076	19.780	ug/l		98
25) 2-Butanone	7.471	43	297325	102.331	ug/l		97
26) 2,2-Dichloropropane	7.471	77	106826	20.334	ug/l		100
27) cis-1,2-Dichloroethene	7.477	96	73710	19.928	ug/l		100
28) Bromochloromethane	7.800	49	57372	19.388	ug/l		96
29) Tetrahydrofuran	7.824	42	185311	99.103	ug/l		99
30) Chloroform	7.947	83	129537	20.733	ug/l		100
31) Cyclohexane	8.241	56	98298	19.263	ug/l		95
32) 1,1,1-Trichloroethane	8.153	97	106125	20.043	ug/l		98
36) 1,1-Dichloropropene	8.347	75	81229	18.555	ug/l		98
37) Ethyl Acetate	7.547	43	112790	18.855	ug/l		98
38) Carbon Tetrachloride	8.347	117	85891	19.872	ug/l		91
39) Methylcyclohexane	9.583	83	88363	18.334	ug/l		99
40) Benzene	8.588	78	268597	20.004	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 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

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	62721	20.241	ug/l		98
42) 1,2-Dichloroethane	8.653	62	105520	20.450	ug/l		99
43) Isopropyl Acetate	8.677	43	187397	20.065	ug/l		99
44) Trichloroethene	9.335	130	57485	18.752	ug/l		96
45) 1,2-Dichloropropane	9.600	63	70684	19.971	ug/l		98
46) Dibromomethane	9.694	93	50887	20.205	ug/l		97
47) Bromodichloromethane	9.865	83	104723	20.288	ug/l		94
48) Methyl methacrylate	9.665	41	87645	19.840	ug/l		99
49) 1,4-Dioxane	9.683	88	21896	382.402	ug/l	#	92
51) 4-Methyl-2-Pentanone	10.424	43	589467	104.609	ug/l		99
52) Toluene	10.606	92	163594	19.653	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	106373	19.909	ug/l		96
54) cis-1,3-Dichloropropene	10.294	75	113361	20.434	ug/l		98
55) 1,1,2-Trichloroethane	10.994	97	66428	20.629	ug/l		95
56) Ethyl methacrylate	10.859	69	102385	19.895	ug/l		96
57) 1,3-Dichloropropane	11.141	76	115683	20.299	ug/l		100
58) 2-Chloroethyl Vinyl ether	10.141	63	271042	97.309	ug/l		99
59) 2-Hexanone	11.177	43	384182	107.877	ug/l		100
60) Dibromochloromethane	11.341	129	75653	20.276	ug/l		99
61) 1,2-Dibromoethane	11.447	107	67879	19.991	ug/l		98
64) Tetrachloroethene	11.082	164	48062	18.858	ug/l		96
65) Chlorobenzene	11.871	112	178321	19.512	ug/l		100
66) 1,1,1,2-Tetrachloroethane	11.935	131	61618	20.309	ug/l		99
67) Ethyl Benzene	11.941	91	306841	19.391	ug/l		98
68) m/p-Xylenes	12.053	106	225688	38.890	ug/l		98
69) o-Xylene	12.376	106	111207	19.554	ug/l		98
70) Styrene	12.394	104	193273	20.285	ug/l		99
71) Bromoform	12.559	173	47543	20.432	ug/l	#	96
73) Isopropylbenzene	12.676	105	283161	18.655	ug/l		98
74) N-amyl acetate	12.529	43	103721m	18.032	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	106716	20.421	ug/l		98
76) 1,2,3-Trichloropropane	12.971	75	80460m	18.266	ug/l		
77) Bromobenzene	12.959	156	67613	18.892	ug/l		96
78) n-propylbenzene	13.012	91	355090	18.993	ug/l		100
79) 2-Chlorotoluene	13.100	91	210108	18.674	ug/l		99
80) 1,3,5-Trimethylbenzene	13.147	105	244526	18.990	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	31562	18.969	ug/l		88
82) 4-Chlorotoluene	13.200	91	227537	19.235	ug/l		100
83) tert-Butylbenzene	13.418	119	205289	19.132	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	256617	19.908	ug/l		96
85) sec-Butylbenzene	13.594	105	304060	19.095	ug/l		98
86) p-Isopropyltoluene	13.706	119	247190	18.800	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	133973	19.009	ug/l		100
88) 1,4-Dichlorobenzene	13.788	146	139016	18.954	ug/l		99
89) n-Butylbenzene	14.035	91	245461	18.797	ug/l		99
90) Hexachloroethane	14.306	117	47221	18.850	ug/l		94
91) 1,2-Dichlorobenzene	14.082	146	132259	19.781	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.694	75	22925	18.467	ug/l		95
93) 1,2,4-Trichlorobenzene	15.370	180	77500	19.302	ug/l		98
94) Hexachlorobutadiene	15.470	225	27103	18.935	ug/l		97
95) Naphthalene	15.612	128	263572	18.533	ug/l		99
96) 1,2,3-Trichlorobenzene	15.812	180	72189	18.391	ug/l		100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 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

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

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

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

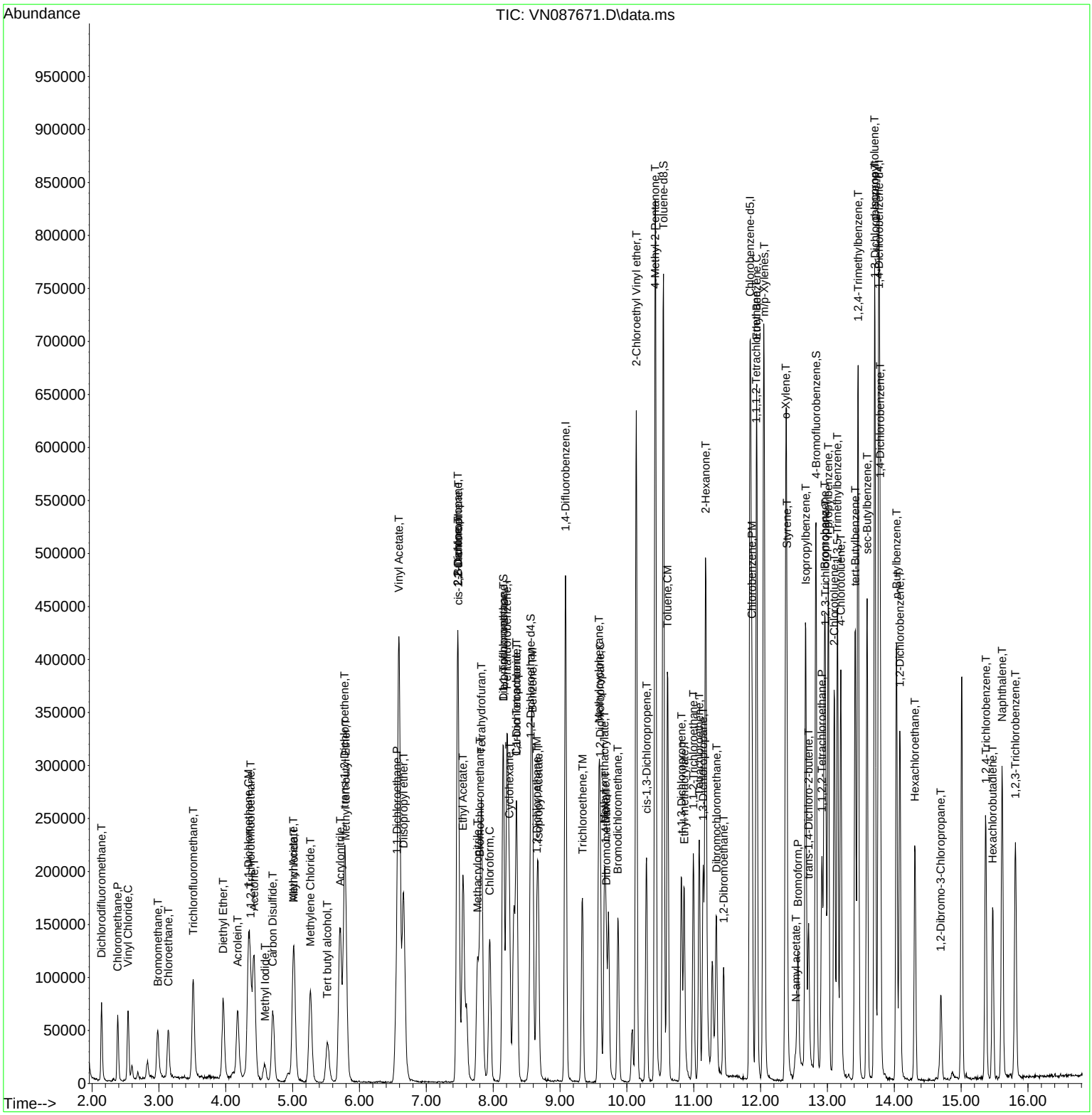
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087671.D
Acq On : 26 Aug 2025 15:29
Operator : JC\MD
Sample : VN0826WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 27 01:48:30 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

Instrument :
MSVOA_N
ClientSampleId :
VN0826WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	5.556	168	218139	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	6.763	114	392410	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	366609	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	195246	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	178549	58.485	ug/l	0.00
Spiked Amount 50.000	Range 78 - 117		Recovery = 116.960%			
35) Dibromofluoromethane	5.391	113	137709	54.072	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 108.140%			
50) Toluene-d8	8.647	98	466188	51.213	ug/l	0.00
Spiked Amount 50.000	Range 92 - 112		Recovery = 102.420%			
62) 4-Bromofluorobenzene	11.079	95	189576	56.436	ug/l	0.00
Spiked Amount 50.000	Range 83 - 123		Recovery = 112.880%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.185	85	44695	16.073	ug/l	100
3) Chloromethane	1.313	50	43009	17.193	ug/l	99
4) Vinyl Chloride	1.392	62	52001	16.562	ug/l	98
5) Bromomethane	1.624	94	25348	19.987	ug/l	99
6) Chloroethane	1.703	64	32776	17.061	ug/l	95
7) Trichlorofluoromethane	1.904	101	79216	17.057	ug/l	99
8) Diethyl Ether	2.148	74	32851	20.088	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.343	101	46933	17.421	ug/l	99
10) Methyl Iodide	2.471	142	58486	12.668	ug/l	97
11) Tert butyl alcohol	2.959	59	31549	118.790	ug/l	96
12) 1,1-Dichloroethene	2.337	96	48588	17.691	ug/l	99
13) Acrolein	2.246	56	48727	86.913	ug/l	100
14) Allyl chloride	2.678	41	92238	19.336	ug/l	96
15) Acrylonitrile	3.081	53	133496	104.020	ug/l	100
16) Acetone	2.392	43	109278	95.228	ug/l	98
17) Carbon Disulfide	2.526	76	124366	15.006	ug/l	99
18) Methyl Acetate	2.715	43	70814	23.813	ug/l	98
19) Methyl tert-butyl Ether	3.123	73	174127	20.840	ug/l	100
20) Methylene Chloride	2.800	84	59045	19.431	ug/l	96
21) trans-1,2-Dichloroethene	3.105	96	53594	18.385	ug/l	94
22) Diisopropyl ether	3.770	45	198297	21.029	ug/l	95
23) Vinyl Acetate	3.733	43	772606	99.964	ug/l	99
24) 1,1-Dichloroethane	3.623	63	104969	19.695	ug/l	99
25) 2-Butanone	4.568	43	164162	109.230	ug/l	99
26) 2,2-Dichloropropane	4.483	77	71363	17.740	ug/l	97
27) cis-1,2-Dichloroethene	4.501	96	66750	19.660	ug/l	97
28) Bromochloromethane	4.910	49	52618	23.724	ug/l	99
29) Tetrahydrofuran	5.019	42	104663	107.746	ug/l	97
30) Chloroform	5.099	83	110695	20.350	ug/l	100
31) Cyclohexane	5.483	56	78628	16.003	ug/l	96
32) 1,1,1-Trichloroethane	5.391	97	87674	18.726	ug/l	98
36) 1,1-Dichloropropene	5.702	75	67693	16.838	ug/l	99
37) Ethyl Acetate	4.727	43	73144	17.525	ug/l	99
38) Carbon Tetrachloride	5.684	117	74829	17.033	ug/l	94
39) Methylcyclohexane	7.385	83	68058	13.572	ug/l	91
40) Benzene	6.044	78	223797	18.598	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	4.940	41	34540	19.625	ug/l		98
42) 1,2-Dichloroethane	6.092	62	82469	19.348	ug/l		98
43) Isopropyl Acetate	6.342	43	118814	19.816	ug/l		99
44) Trichloroethene	7.129	130	53187	17.262	ug/l		98
45) 1,2-Dichloropropane	7.434	63	58052	19.257	ug/l		98
46) Dibromomethane	7.586	93	42228	19.295	ug/l		98
47) Bromodichloromethane	7.824	83	87142	19.206	ug/l		97
48) Methyl methacrylate	7.696	41	58947	18.940	ug/l		99
49) 1,4-Dioxane	7.684	88	14127	466.933	ug/l		93
51) 4-Methyl-2-Pentanone	8.574	43	352612	102.196	ug/l		97
52) Toluene	8.720	92	138385	18.611	ug/l		99
53) t-1,3-Dichloropropene	8.976	75	76981	19.440	ug/l		100
54) cis-1,3-Dichloropropene	8.366	75	88286	19.697	ug/l		98
55) 1,1,2-Trichloroethane	9.153	97	57173	20.251	ug/l		94
56) Ethyl methacrylate	9.116	69	81349	19.544	ug/l		97
57) 1,3-Dichloropropane	9.305	76	94781	19.702	ug/l		100
58) 2-Chloroethyl Vinyl ether	8.245	63	194539	102.961	ug/l		98
59) 2-Hexanone	9.433	43	235255	98.569	ug/l		99
60) Dibromochloromethane	9.519	129	66326	19.768	ug/l		100
61) 1,2-Dibromoethane	9.610	107	56333	19.350	ug/l		99
64) Tetrachloroethene	9.275	164	44127	16.641	ug/l		99
65) Chlorobenzene	10.080	112	156136	17.922	ug/l		99
66) 1,1,1,2-Tetrachloroethane	10.159	131	54825	18.616	ug/l		99
67) Ethyl Benzene	10.189	91	263204	17.553	ug/l		100
68) m/p-Xylenes	10.299	106	198960	35.585	ug/l		99
69) o-Xylene	10.640	106	97985	18.211	ug/l		96
70) Styrene	10.653	104	172999	19.029	ug/l		99
71) Bromoform	10.799	173	43131	19.494	ug/l	#	99
73) Isopropylbenzene	10.957	105	246776	16.151	ug/l		99
74) N-amyl acetate	10.842	43	101989	17.578	ug/l		99
75) 1,1,2,2-Tetrachloroethane	11.207	83	80428	17.929	ug/l		98
76) 1,2,3-Trichloropropane	11.238	75	63182m	17.644	ug/l		
77) Bromobenzene	11.195	156	65376	17.523	ug/l		98
78) n-propylbenzene	11.305	91	295153	16.175	ug/l		100
79) 2-Chlorotoluene	11.360	91	185904	16.853	ug/l		98
80) 1,3,5-Trimethylbenzene	11.451	105	204537	16.270	ug/l		100
81) trans-1,4-Dichloro-2-b...	11.018	75	11378	19.504	ug/l		98
82) 4-Chlorotoluene	11.451	91	215079	16.541	ug/l		100
83) tert-Butylbenzene	11.713	119	199164	15.880	ug/l		98
84) 1,2,4-Trimethylbenzene	11.750	105	208354	16.573	ug/l		99
85) sec-Butylbenzene	11.890	105	238005	15.310	ug/l		100
86) p-Isopropyltoluene	12.006	119	199010	15.129	ug/l		100
87) 1,3-Dichlorobenzene	11.969	146	117664	16.508	ug/l		99
88) 1,4-Dichlorobenzene	12.037	146	122868	16.761	ug/l		100
89) n-Butylbenzene	12.329	91	178902	14.622	ug/l		99
90) Hexachloroethane	12.536	117	35952	15.579	ug/l		96
91) 1,2-Dichlorobenzene	12.335	146	117043	17.300	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	12.939	75	14123	16.279	ug/l		98
93) 1,2,4-Trichlorobenzene	13.585	180	67390	14.859	ug/l		99
94) Hexachlorobutadiene	13.725	225	20217	12.523	ug/l		99
95) Naphthalene	13.774	128	202191	15.600	ug/l		99
96) 1,2,3-Trichlorobenzene	13.957	180	63335	14.815	ug/l		99

Sample Results: **VX047537.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025

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

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

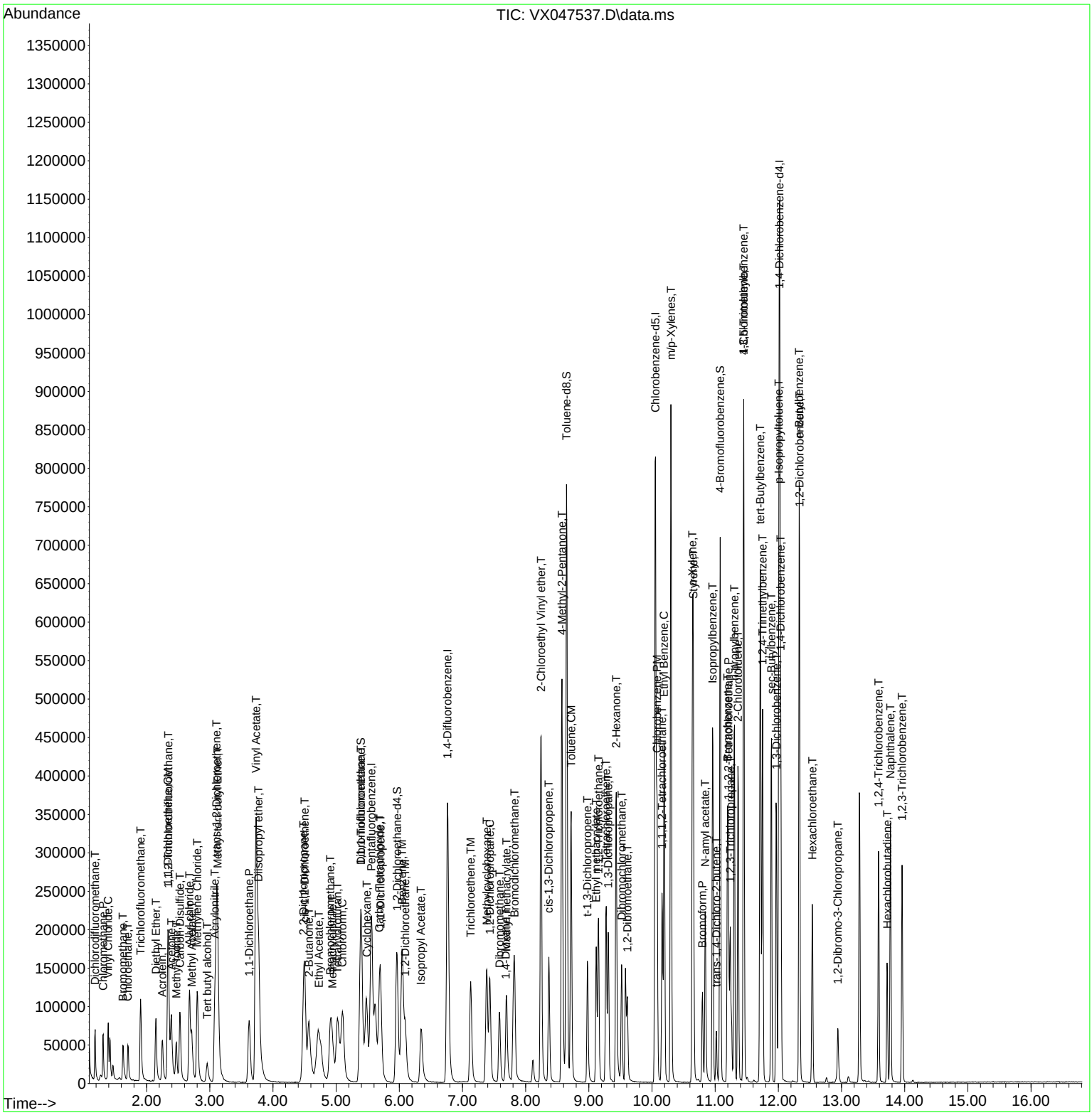
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX082725\
Data File : VX047537.D
Acq On : 27 Aug 2025 13:41
Operator : JC/MD
Sample : VX0827WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Aug 28 01:18:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X081525W.M
Quant Title : SW846 8260
QLast Update : Mon Aug 18 04:18:28 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0827WBS01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/28/2025
Supervised By :Mahesh Dadoda 08/28/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 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 :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	206976	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	396217	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	359977	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	184782	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	193535	45.638	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 91.280%			
35) Dibromofluoromethane	8.147	113	136733	47.797	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 95.600%			
50) Toluene-d8	10.547	98	500993	46.791	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 93.580%			
62) 4-Bromofluorobenzene	12.829	95	179059	47.025	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.040%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	2.142	85	67759	23.050	ug/l	99
3) Chloromethane	2.383	50	64475	21.342	ug/l	93
4) Vinyl Chloride	2.542	62	75068	21.431	ug/l	100
5) Bromomethane	2.983	94	39732	21.984	ug/l	100
6) Chloroethane	3.136	64	49343	20.043	ug/l	99
7) Trichlorofluoromethane	3.512	101	111231	21.675	ug/l	90
8) Diethyl Ether	3.959	74	44352	19.844	ug/l	100
9) 1,1,2-Trichlorotrifluo...	4.371	101	62830	21.637	ug/l	99
10) Methyl Iodide	4.577	142	29443	18.530	ug/l	98
11) Tert butyl alcohol	5.530	59	72173	98.034	ug/l	98
12) 1,1-Dichloroethene	4.342	96	60685	20.336	ug/l	93
13) Acrolein	4.177	56	85491	94.459	ug/l	98
14) Allyl chloride	5.018	41	98170	18.154	ug/l	96
15) Acrylonitrile	5.706	53	206499	99.457	ug/l	97
16) Acetone	4.424	43	211003	91.403	ug/l	97
17) Carbon Disulfide	4.700	76	153252	18.655	ug/l	100
18) Methyl Acetate	5.012	43	101791	21.059	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	223051	19.925	ug/l	98
20) Methylene Chloride	5.259	84	68454	19.750	ug/l	97
21) trans-1,2-Dichloroethene	5.777	96	61371	18.976	ug/l	95
22) Diisopropyl ether	6.659	45	232176	19.896	ug/l	94
23) Vinyl Acetate	6.589	43	962474	90.655	ug/l	99
24) 1,1-Dichloroethane	6.547	63	126126	19.712	ug/l	97
25) 2-Butanone	7.471	43	289526	95.329	ug/l	96
26) 2,2-Dichloropropane	7.477	77	103139	18.782	ug/l	98
27) cis-1,2-Dichloroethene	7.471	96	74996	19.397	ug/l	100
28) Bromochloromethane	7.794	49	56986	18.423	ug/l	99
29) Tetrahydrofuran	7.830	42	193504	99.001	ug/l	98
30) Chloroform	7.947	83	130682	20.010	ug/l	98
31) Cyclohexane	8.241	56	110045	20.631	ug/l	99
32) 1,1,1-Trichloroethane	8.153	97	108230	19.555	ug/l	99
36) 1,1-Dichloropropene	8.353	75	88312	20.123	ug/l	98
37) Ethyl Acetate	7.547	43	114643	19.117	ug/l	97
38) Carbon Tetrachloride	8.341	117	90066	20.786	ug/l	91
39) Methylcyclohexane	9.582	83	95782	19.824	ug/l	96
40) Benzene	8.588	78	270802	20.118	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 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 :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.765	41	62695	20.182	ug/l		99
42) 1,2-Dichloroethane	8.653	62	105520	20.400	ug/l		99
43) Isopropyl Acetate	8.677	43	195246	20.853	ug/l		99
44) Trichloroethene	9.330	130	59652	19.411	ug/l		94
45) 1,2-Dichloropropane	9.600	63	69537	19.599	ug/l		97
46) Dibromomethane	9.694	93	51853	20.537	ug/l		99
47) Bromodichloromethane	9.871	83	102379	19.785	ug/l		96
48) Methyl methacrylate	9.665	41	87071	19.661	ug/l		99
49) 1,4-Dioxane	9.682	88	23605	411.224	ug/l	#	99
51) 4-Methyl-2-Pentanone	10.424	43	594306	105.205	ug/l		99
52) Toluene	10.612	92	165592	19.844	ug/l		99
53) t-1,3-Dichloropropene	10.818	75	108215	20.204	ug/l		98
54) cis-1,3-Dichloropropene	10.294	75	114549	20.597	ug/l		98
55) 1,1,2-Trichloroethane	11.000	97	68489	21.216	ug/l		92
56) Ethyl methacrylate	10.859	69	106749	20.692	ug/l		96
57) 1,3-Dichloropropane	11.147	76	115068	20.141	ug/l		99
58) 2-Chloroethyl Vinyl ether	10.141	63	277913	99.528	ug/l		98
59) 2-Hexanone	11.176	43	383755	107.489	ug/l		98
60) Dibromochloromethane	11.335	129	72855	19.478	ug/l		99
61) 1,2-Dibromoethane	11.447	107	68327	20.073	ug/l		100
64) Tetrachloroethene	11.082	164	50073	20.049	ug/l		93
65) Chlorobenzene	11.871	112	176540	19.713	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.941	131	63838	21.471	ug/l		96
67) Ethyl Benzene	11.941	91	315866	20.370	ug/l		97
68) m/p-Xylenes	12.053	106	231713	40.746	ug/l		99
69) o-Xylene	12.376	106	112208	20.134	ug/l		100
70) Styrene	12.388	104	189044	20.248	ug/l		98
71) Bromoform	12.559	173	46074	20.206	ug/l	#	97
73) Isopropylbenzene	12.676	105	289737	19.404	ug/l		99
74) N-amyl acetate	12.535	43	96147m	16.991	ug/l		
75) 1,1,2,2-Tetrachloroethane	12.918	83	106247	20.668	ug/l		98
76) 1,2,3-Trichloropropane	12.970	75	86445m	19.949	ug/l		
77) Bromobenzene	12.965	156	68239	19.383	ug/l		97
78) n-propylbenzene	13.018	91	369770	20.105	ug/l		100
79) 2-Chlorotoluene	13.106	91	213667	19.305	ug/l		100
80) 1,3,5-Trimethylbenzene	13.153	105	247355	19.528	ug/l		100
81) trans-1,4-Dichloro-2-b...	12.718	75	30139	18.413	ug/l		87
82) 4-Chlorotoluene	13.200	91	228263	19.616	ug/l		99
83) tert-Butylbenzene	13.418	119	210808	19.971	ug/l		98
84) 1,2,4-Trimethylbenzene	13.459	105	254840	20.098	ug/l		100
85) sec-Butylbenzene	13.594	105	317754	20.285	ug/l		100
86) p-Isopropyltoluene	13.706	119	262003	20.256	ug/l		99
87) 1,3-Dichlorobenzene	13.712	146	136873	19.742	ug/l		98
88) 1,4-Dichlorobenzene	13.788	146	138615	19.212	ug/l		98
89) n-Butylbenzene	14.035	91	258480	20.121	ug/l		98
90) Hexachloroethane	14.312	117	50150	20.351	ug/l		100
91) 1,2-Dichlorobenzene	14.082	146	131763	20.032	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	24883	20.376	ug/l		94
93) 1,2,4-Trichlorobenzene	15.370	180	76342	19.329	ug/l		97
94) Hexachlorobutadiene	15.476	225	29207	20.742	ug/l		99
95) Naphthalene	15.617	128	270597	19.342	ug/l		99
96) 1,2,3-Trichlorobenzene	15.811	180	74991	19.421	ug/l		99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 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 :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025

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

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

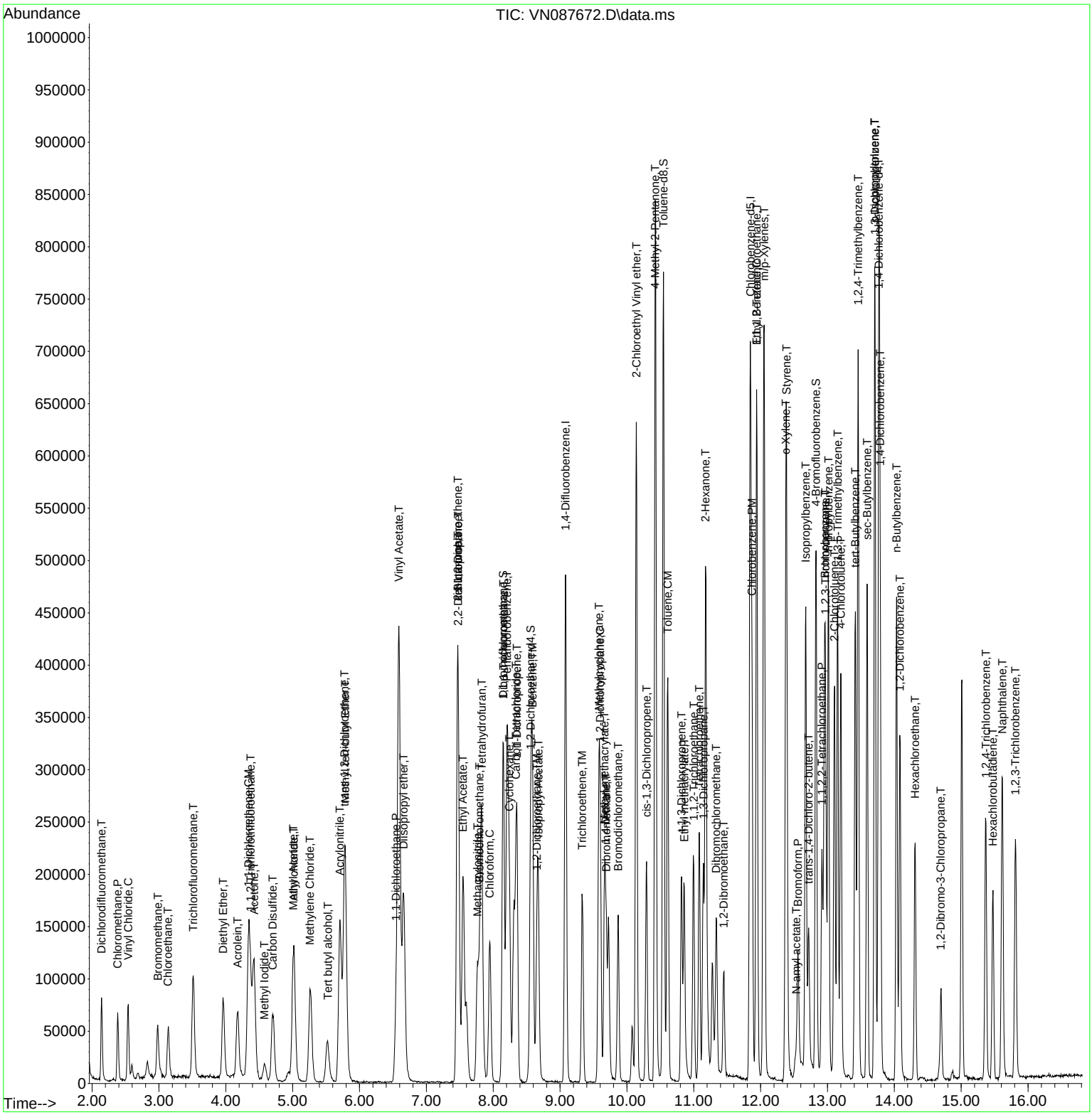
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082625\
Data File : VN087672.D
Acq On : 26 Aug 2025 16:02
Operator : JC\MD
Sample : VN0826WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Aug 27 01:49:22 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 :
VN0826WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 08/27/2025
Supervised By :Mahesh Dadoda 08/27/2025



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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:	VN082625	Instrument	MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN087668.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:38:56 AM	MMDadoda	8/27/2025 3:10:56 PM	Peak Integrated by Software
VSTDCCC050	VN087668.D	N-amyl acetate	JOHN	8/27/2025 11:38:56 AM	MMDadoda	8/27/2025 3:10:56 PM	Peak Integrated by Software
VN0826WBS01	VN087671.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:39:01 AM	MMDadoda	8/27/2025 3:10:54 PM	Peak Integrated by Software
VN0826WBS01	VN087671.D	N-amyl acetate	JOHN	8/27/2025 11:39:01 AM	MMDadoda	8/27/2025 3:10:54 PM	Peak Integrated by Software
VN0826WBSD01	VN087672.D	1,2,3-Trichloropropane	JOHN	8/27/2025 11:39:07 AM	MMDadoda	8/27/2025 3:10:58 PM	Peak Integrated by Software
VN0826WBSD01	VN087672.D	N-amyl acetate	JOHN	8/27/2025 11:39:07 AM	MMDadoda	8/27/2025 3:10:58 PM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX047349.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	1,4-Dioxane	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC005	VX047349.D	Tetrahydrofuran	JOHN	8/18/2025 8:37:53 AM	MMDadoda	8/19/2025 1:41:03 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICC020	VX047350.D	1,4-Dioxane	JOHN	8/18/2025 8:37:58 AM	MMDadoda	8/19/2025 1:41:04 AM	Peak Integrated by Software
VSTDICCC050	VX047351.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:42:59 AM	MMDadoda	8/19/2025 1:41:07 AM	Peak Integrated by Software
VSTDICC100	VX047352.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:03 AM	MMDadoda	8/19/2025 1:41:08 AM	Peak Integrated by Software
VSTDICC150	VX047353.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:07 AM	MMDadoda	8/19/2025 1:41:10 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dichlorobenzene	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	1,4-Dioxane	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Allyl chloride	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Ethyl Acetate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX081525	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX047356.D	Methacrylonitrile	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Methyl methacrylate	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICC001	VX047356.D	Tetrahydrofuran	JOHN	8/18/2025 8:43:18 AM	MMDadoda	8/19/2025 1:41:24 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDICV050	VX047357.D	1,4-Dioxane	JOHN	8/18/2025 8:43:25 AM	MMDadoda	8/19/2025 1:41:26 AM	Peak Integrated by Software
VSTDCCC050	VX047369.D	1,2,3-Trichloropropane	JOHN	8/18/2025 8:43:44 AM	MMDadoda	8/19/2025 1:41:35 AM	Peak Integrated by Software

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Manual Integration Report

Sequence:	VX082725	Instrument	MSVOA_x

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX047534.D	1,2,3-Trichloropropane	JOHN	8/28/2025 8:34:44 AM	MMDadoda	8/28/2025 12:29:07 PM	Peak Integrated by Software
VX0827WBS01	VX047537.D	1,2,3-Trichloropropane	JOHN	8/28/2025 8:34:50 AM	MMDadoda	8/28/2025 12:29:11 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 # VN082625

Review By	John Carlone	Review On	8/27/2025 11:39:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/27/2025 3:18:48 PM		
SubDirectory	VN082625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135303
Initial Calibration Stds	
CCC	VP135304,VP135305
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN087667.D	26 Aug 2025 12:36	JC\MD	Ok
2	VSTDCCC050	VN087668.D	26 Aug 2025 13:38	JC\MD	Ok,M
3	VN0826MBL01	VN087669.D	26 Aug 2025 14:48	JC\MD	Ok
4	VN0826WBL01	VN087670.D	26 Aug 2025 15:08	JC\MD	Ok
5	VN0826WBS01	VN087671.D	26 Aug 2025 15:29	JC\MD	Ok,M
6	VN0826WBSD01	VN087672.D	26 Aug 2025 16:02	JC\MD	Ok,M
7	Q2963-01	VN087673.D	26 Aug 2025 16:24	JC\MD	Ok
8	Q2964-02	VN087674.D	26 Aug 2025 16:45	JC\MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047347.D	15 Aug 2025 08:28	JC/MD	Ok
2	VSTDICC001	VX047348.D	15 Aug 2025 09:18	JC/MD	Not Ok
3	VSTDICC005	VX047349.D	15 Aug 2025 09:40	JC/MD	Ok,M
4	VSTDICC020	VX047350.D	15 Aug 2025 10:01	JC/MD	Ok,M
5	VSTDICCC050	VX047351.D	15 Aug 2025 10:22	JC/MD	Ok,M
6	VSTDICC100	VX047352.D	15 Aug 2025 10:43	JC/MD	Ok,M
7	VSTDICC150	VX047353.D	15 Aug 2025 11:05	JC/MD	Ok,M
8	IBLK	VX047354.D	15 Aug 2025 11:26	JC/MD	Ok
9	VSTDICC001	VX047355.D	15 Aug 2025 12:08	JC/MD	Not Ok
10	VSTDICC001	VX047356.D	15 Aug 2025 12:30	JC/MD	Ok,M
11	VSTDICV050	VX047357.D	15 Aug 2025 13:11	JC/MD	Ok,M
12	VX0815WBL01	VX047358.D	15 Aug 2025 13:39	JC/MD	Ok
13	VX0815MBL01	VX047359.D	15 Aug 2025 14:00	JC/MD	Ok
14	VX0815WBS01	VX047360.D	15 Aug 2025 14:21	JC/MD	Ok,M
15	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49	JC/MD	Ok,M
16	Q2880-01	VX047362.D	15 Aug 2025 15:10	JC/MD	Ok
17	Q2880-02	VX047363.D	15 Aug 2025 15:32	JC/MD	Ok
18	Q2880-03	VX047364.D	15 Aug 2025 15:53	JC/MD	Ok
19	Q2880-04	VX047365.D	15 Aug 2025 16:15	JC/MD	Ok
20	Q2886-01	VX047366.D	15 Aug 2025 16:36	JC/MD	Ok
21	Q2886-02	VX047367.D	15 Aug 2025 16:58	JC/MD	ReRun

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2837-01	VX047368.D	15 Aug 2025 17:19	JC/MD	Ok,M
23	VSTDCCC050	VX047369.D	15 Aug 2025 17:41	JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082725

Review By	John Carlone	Review On	8/28/2025 8:36:03 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/28/2025 12:29:17 PM		
SubDirectory	VX082725	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135314
Initial Calibration Stds	
CCC	VP135315,VP135316
Internal Standard/PEM	
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX047533.D	27 Aug 2025 08:01	JC/MD	Ok
2	VSTDCCC050	VX047534.D	27 Aug 2025 12:23	JC/MD	Ok,M
3	VX0827MBL01	VX047535.D	27 Aug 2025 12:53	JC/MD	Ok
4	VX0827WBL01	VX047536.D	27 Aug 2025 13:14	JC/MD	Ok
5	VX0827WBS01	VX047537.D	27 Aug 2025 13:41	JC/MD	Ok,M
6	VX0827WBSD01	VX047538.D	27 Aug 2025 14:10	JC/MD	Ok,M
7	Q2964-02DL	VX047539.D	27 Aug 2025 14:44	JC/MD	Ok
8	Q2971-37	VX047540.D	27 Aug 2025 16:48	JC/MD	ReRun

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 # VN082625

Review By	John Carlone	Review On	8/27/2025 11:39:51 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	8/27/2025 3:18:48 PM		
SubDirectory	VN082625	HP Acquire Method		HP Processing Method	82N082125W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135303
Initial Calibration Stds	
CCC	VP135304,VP135305
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	VN087667.D	26 Aug 2025 12:36		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN087668.D	26 Aug 2025 13:38	pH#Lot#V12668	JC\MD	Ok,M
3	VN0826MBL01	VN0826MBL01	VN087669.D	26 Aug 2025 14:48		JC\MD	Ok
4	VN0826WBL01	VN0826WBL01	VN087670.D	26 Aug 2025 15:08		JC\MD	Ok
5	VN0826WBS01	VN0826WBS01	VN087671.D	26 Aug 2025 15:29		JC\MD	Ok,M
6	VN0826WBSD01	VN0826WBSD01	VN087672.D	26 Aug 2025 16:02		JC\MD	Ok,M
7	Q2963-01	MW1	VN087673.D	26 Aug 2025 16:24	vial A pH<2	JC\MD	Ok
8	Q2964-02	MW3	VN087674.D	26 Aug 2025 16:45	vial A pH<2 Need 5X	JC\MD	Dilution

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr #	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX047347.D	15 Aug 2025 08:28		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX047348.D	15 Aug 2025 09:18	Not used	JC/MD	Not Ok
3	VSTDICC005	VSTDICC005	VX047349.D	15 Aug 2025 09:40	LR-58,81	JC/MD	Ok,M
4	VSTDICC020	VSTDICC020	VX047350.D	15 Aug 2025 10:01		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX047351.D	15 Aug 2025 10:22		JC/MD	Ok,M
6	VSTDICC100	VSTDICC100	VX047352.D	15 Aug 2025 10:43		JC/MD	Ok,M
7	VSTDICC150	VSTDICC150	VX047353.D	15 Aug 2025 11:05		JC/MD	Ok,M
8	IBLK	IBLK	VX047354.D	15 Aug 2025 11:26		JC/MD	Ok
9	VSTDICC001	VSTDICC001	VX047355.D	15 Aug 2025 12:08	Not used	JC/MD	Not Ok
10	VSTDICC001	VSTDICC001	VX047356.D	15 Aug 2025 12:30		JC/MD	Ok,M
11	VSTDICV050	ICVVX081525	VX047357.D	15 Aug 2025 13:11		JC/MD	Ok,M
12	VX0815WBL01	VX0815WBL01	VX047358.D	15 Aug 2025 13:39		JC/MD	Ok
13	VX0815MBL01	VX0815MBL01	VX047359.D	15 Aug 2025 14:00		JC/MD	Ok
14	VX0815WBS01	VX0815WBS01	VX047360.D	15 Aug 2025 14:21		JC/MD	Ok,M
15	VX0815WBSD01	VX0815WBSD01	VX047361.D	15 Aug 2025 14:49		JC/MD	Ok,M
16	Q2880-01	STORAGE-BLANK-SO	VX047362.D	15 Aug 2025 15:10	vial A pH<2	JC/MD	Ok
17	Q2880-02	STORAGE-BLANK-WA	VX047363.D	15 Aug 2025 15:32	vial A pH<2	JC/MD	Ok
18	Q2880-03	STORAGE-BLANK-WA	VX047364.D	15 Aug 2025 15:53	vial A pH<2	JC/MD	Ok

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX081525

Review By	John Carlone	Review On	8/18/2025 8:45:53 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/19/2025 1:41:47 AM		
SubDirectory	VX081525	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135148
Initial Calibration Stds	VP135153,VP135154,VP135155,VP135156,VP135157,VP135158
CCC	VP135152
Internal Standard/PEM	
ICV/I.BLK	VP135159
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	Q2880-04	STORAGE-BLANK-SAI	VX047365.D	15 Aug 2025 16:15	vial A pH<2	JC/MD	Ok
20	Q2886-01	BP-TT182D-TB-202508	VX047366.D	15 Aug 2025 16:36	vial A pH<2	JC/MD	Ok
21	Q2886-02	BP-TT182D-GW-20250	VX047367.D	15 Aug 2025 16:58	vial A pH<2 Surrogate Fail	JC/MD	ReRun
22	Q2837-01	TW-WTS-13	VX047368.D	15 Aug 2025 17:19	vial B pH<2	JC/MD	Ok,M
23	VSTDCCC050	VSTDCCC050EC	VX047369.D	15 Aug 2025 17:41		JC/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QCBatch ID # VX082725

Review By	John Carlone	Review On	8/28/2025 8:36:03 AM		
Supervise By	Mahesh Dadoda	Supervise On	8/28/2025 12:29:17 PM		
SubDirectory	VX082725	HP Acquire Method		HP Processing Method	82X081525W.M

STD. NAME	STD REF.#
Tune/Reschk	VP135314
Initial Calibration Stds	
CCC	VP135315,VP135316
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	VX047533.D	27 Aug 2025 08:01		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX047534.D	27 Aug 2025 12:23	pH#Lot#V12668	JC/MD	Ok,M
3	VX0827MBL01	VX0827MBL01	VX047535.D	27 Aug 2025 12:53		JC/MD	Ok
4	VX0827WBL01	VX0827WBL01	VX047536.D	27 Aug 2025 13:14		JC/MD	Ok
5	VX0827WBS01	VX0827WBS01	VX047537.D	27 Aug 2025 13:41		JC/MD	Ok,M
6	VX0827WBSD01	VX0827WBSD01	VX047538.D	27 Aug 2025 14:10		JC/MD	Ok,M
7	Q2964-02DL	MW3DL	VX047539.D	27 Aug 2025 14:44	vial B pH<2	JC/MD	Ok
8	Q2971-37	GROUNDWATER	VX047540.D	27 Aug 2025 16:48	vial A pH<2 Surrogate fail	JC/MD	ReRun

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-02	**MW3**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/26/25	
Q2964-02DL	**MW3DL**	**Water**			**08/25/25**			**08/26/25**
			VOCMS Group1	8260-Low			08/27/25	

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Hit Summary Sheet
SW-846

SDG No.: Q2964 **Order ID:** Q2964

Client: G Environmental **Project ID:** Buff

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID : MW3								
Q2964-02	MW3	Water	Iron	2810		11.7	50.0	ug/L
Q2964-02	MW3	Water	Manganese	376		2.97	10.0	ug/L
Q2964-02	MW3	Water	Sodium	5230000	D	2170	5000	ug/L

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	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	2810		1	11.7	50.0	ug/L	08/27/25 10:40	08/27/25 15:44	6010D	SW3010
7439-96-5	Manganese	376		1	2.97	10.0	ug/L	08/27/25 10:40	08/27/25 15:44	6010D	SW3010
7440-23-5	Sodium	5230000	D	5	2170	5000	ug/L	08/27/25 10:40	08/27/25 16:43	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.:** Q2964

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	08/27/2025	11:40	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	11:40	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	11:40	LB136987

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Metals

- 3a -

INITIAL AND CONTINUING CALIBRATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2964

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	08/27/2025	12:13	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	12:13	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	12:13	LB136987
CCB02	Iron	23.4	+/-50	U	100	P	08/27/2025	13:12	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	13:12	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	13:12	LB136987
CCB03	Iron	23.4	+/-50	U	100	P	08/27/2025	14:13	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	14:13	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	14:13	LB136987
CCB04	Iron	23.4	+/-50	U	100	P	08/27/2025	14:57	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	14:57	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	14:57	LB136987
CCB05	Iron	23.4	+/-50	U	100	P	08/27/2025	16:39	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	16:39	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	16:39	LB136987
CCB06	Iron	23.4	+/-50	U	100	P	08/27/2025	17:14	LB136987
	Manganese	5.94	+/-10	U	20.0	P	08/27/2025	17:14	LB136987
	Sodium	868	+/-1000	U	2000	P	08/27/2025	17:14	LB136987

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Metals
- 3b -
PREPARATION BLANK SUMMARY

Client: G Environmental **SDG No.:** Q2964

Instrument: P4

Sample ID	Analyte	Result (ug/L)	Acceptance Limit	Conc Qual	CRQL ug/L	M	Analysis Date	Analysis Time	Run
PB169418BL		**WATER**		**Batch Number:**	**PB169418**		**Prep Date:**	**08/27/2025**	
	Iron	11.7	<25	U	50.0	P	08/27/2025	15:34	LB136987
	Manganese	2.97	<5	U	10.0	P	08/27/2025	15:34	LB136987
	Sodium	434	<500	U	1000	P	08/27/2025	15:34	LB136987

METAL CALIBRATION DATA

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

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	4210	4000	105	90 - 110	P	08/27/2025	11:28	LB136987
	Manganese	2010	2000	100	90 - 110	P	08/27/2025	11:28	LB136987
	Sodium	21800	20000	109	90 - 110	P	08/27/2025	11:28	LB136987

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

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	106	100	106	80 - 120	P	08/27/2025	11:34	LB136987
	Manganese	21.3	20.0	107	80 - 120	P	08/27/2025	11:34	LB136987
	Sodium	1970	2000	98	80 - 120	P	08/27/2025	11:34	LB136987

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Metals

- 2a -

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Client: G Environmental **SDG No.:** Q2964

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	5290	5000	106	90 - 110	P	08/27/2025	12:05	LB136987
	Manganese	2500	2500	100	90 - 110	P	08/27/2025	12:05	LB136987
	Sodium	27000	25000	108	90 - 110	P	08/27/2025	12:05	LB136987
CCV02	Iron	5200	5000	104	90 - 110	P	08/27/2025	13:07	LB136987
	Manganese	2440	2500	98	90 - 110	P	08/27/2025	13:07	LB136987
	Sodium	25600	25000	102	90 - 110	P	08/27/2025	13:07	LB136987
CCV03	Iron	5200	5000	104	90 - 110	P	08/27/2025	14:09	LB136987
	Manganese	2440	2500	98	90 - 110	P	08/27/2025	14:09	LB136987
	Sodium	24600	25000	98	90 - 110	P	08/27/2025	14:09	LB136987
CCV04	Iron	5340	5000	107	90 - 110	P	08/27/2025	14:53	LB136987
	Manganese	2470	2500	99	90 - 110	P	08/27/2025	14:53	LB136987
	Sodium	25800	25000	103	90 - 110	P	08/27/2025	14:53	LB136987
CCV05	Iron	5080	5000	102	90 - 110	P	08/27/2025	16:24	LB136987
	Manganese	2410	2500	96	90 - 110	P	08/27/2025	16:24	LB136987
	Sodium	26000	25000	104	90 - 110	P	08/27/2025	16:24	LB136987
CCV06	Iron	5140	5000	103	90 - 110	P	08/27/2025	17:10	LB136987
	Manganese	2380	2500	95	90 - 110	P	08/27/2025	17:10	LB136987
	Sodium	27000	25000	108	90 - 110	P	08/27/2025	17:10	LB136987

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Metals

- 2b -
CRDL STANDARD FOR AA & ICP

Client: G Environmental **SDG No.:** Q2964

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	106	100	106	65 - 135	P	08/27/2025	11:44	LB136987
	Manganese	21.7	20.0	109	65 - 135	P	08/27/2025	11:44	LB136987
	Sodium	2060	2000	103	65 - 135	P	08/27/2025	11:44	LB136987

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Metals
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INTERFERENCE CHECK SAMPLE

Client: G Environmental **SDG No.:** Q2964

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	99200	101000	98	85600	116500	08/27/2025	11:48	LB136987
	Manganese	8.32	7.0	119	-13	27	08/27/2025	11:48	LB136987
	Sodium	129			0	0	08/27/2025	11:48	LB136987
ICSAB01	Iron	101000	99300	102	84400	114500	08/27/2025	11:53	LB136987
	Manganese	484	507	96	430	584	08/27/2025	11:53	LB136987
	Sodium	101			0	0	08/27/2025	11:53	LB136987

METAL QC DATA

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metals
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MATRIX SPIKE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2964

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2964-02 **client id:** MW3MS

Percent Solids for Sample: NA **Spiked ID:** Q2964-02MS **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	4450		2810		1500	109		P
Manganese	ug/L	75 - 125	476		376		100	100		P
Sodium	ug/L	75 - 125	5510000	D	5230000	D	1500	18699		P

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metals
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MATRIX SPIKE DUPLICATE SUMMARY

client: G Environmental **level:** low **sdg no.:** Q2964

contract: GENV01 **lab code:** ACE

matrix: Water **sample id:** Q2964-02 **client id:** MW3MSD

Percent Solids for Sample: NA **Spiked ID:** Q2964-02MSD **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	4660		2810		1500	123		P
Manganese	ug/L	75 - 125	466		376		100	90		P
Sodium	ug/L	75 - 125	4980000	D	5230000	D	1500	-16599		P

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Metals
- 5b -

Client: G Environmental **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: **Level:** LOW **Client ID:**

Sample ID: **Spiked ID:**

Analyte	Units	Acceptance Limit %R	C	Sample Result	C	Spike Added	% Recovery	Qual	M

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Metals

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DUPLICATE SAMPLE SUMMARY

Client: G Environmental **Level:** LOW **SDG No.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2964-02 **Client ID:** MW3DUP

Percent Solids for Sample: NA **Duplicate ID** Q2964-02DUP **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	2810		2670		5		P
Manganese	ug/L	20	376		377		0		P
Sodium	ug/L	20	5230000	D	4660000	D	12		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.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Matrix: Water **Sample ID:** Q2964-02MS **Client ID:** MW3MSD

Percent Solids for Sample: NA **Duplicate ID** Q2964-02MSD **Percent Solids for Spike Sample:** NA

Analyte	Units	Acceptance Limit	Sample Result	C	Duplicate Result	C	RPD	Qual	M
Iron	ug/L	20	4450		4660		5		P
Manganese	ug/L	20	476		466		2		P
Sodium	ug/L	20	5510000	D	4980000	D	10		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.:** Q2964

Contract: GENV01 **Lab Code:** ACE

Analyte	Units	True Value	Result	C	% Recovery	Acceptance Limits	M
PB169418BS							
Iron	ug/L	1500	1490		99	80 - 120	P
Manganese	ug/L	100	102		102	80 - 120	P
Sodium	ug/L	1500	1410		94	80 - 120	P

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Metals

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ICP SERIAL DILUTIONS

SAMPLE NO.

MW3L

Lab Name: Alliance **Contract:** GENV01

Lab Code: ACE **Lb No.:** lb136987 **Lab Sample ID :** Q2964-02L **SDG No.:** Q2964

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	2810		2850		1		P
Manganese	376		430		14		P
Sodium	2990000	OR	5620000		88		P

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metals
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ANALYSIS RUN LOG

Client: G Environmental **Contract:** GENV01

Lab code: ACE **Sdg no.:** Q2964

Instrument id number: **Method:** **Run number:** LB136987

Start date: 08/27/2025 **End date:** 08/27/2025

Lab sample id.	Client Sample Id	d/f	Time	Parameter list
S0	S0	1	1102	Fe,Mn,Na
S1	S1	1	1107	Fe,Mn,Na
S2	S2	1	1111	Fe,Mn,Na
S3	S3	1	1115	Fe,Mn,Na
S4	S4	1	1119	Fe,Mn,Na
S5	S5	1	1123	Fe,Mn,Na
ICV01	ICV01	1	1128	Fe,Mn,Na
LLICV01	LLICV01	1	1134	Fe,Mn,Na
ICB01	ICB01	1	1140	Fe,Mn,Na
CRI01	CRI01	1	1144	Fe,Mn,Na
ICSA01	ICSA01	1	1148	Fe,Mn,Na
ICSAB01	ICSAB01	1	1153	Fe,Mn,Na
CCV01	CCV01	1	1205	Fe,Mn,Na
CCB01	CCB01	1	1213	Fe,Mn,Na
CCV02	CCV02	1	1307	Fe,Mn,Na
CCB02	CCB02	1	1312	Fe,Mn,Na
CCV03	CCV03	1	1409	Fe,Mn,Na
CCB03	CCB03	1	1413	Fe,Mn,Na
CCV04	CCV04	1	1453	Fe,Mn,Na
CCB04	CCB04	1	1457	Fe,Mn,Na
PB169418BL	PB169418BL	1	1534	Fe,Mn,Na
PB169418BS	PB169418BS	1	1540	Fe,Mn,Na
Q2964-02	MW3	1	1544	Fe,Mn
Q2964-02DUP	MW3DUP	1	1548	Fe,Mn
Q2964-02L	MW3L	5	1553	Fe,Mn,Na
Q2964-02MS	MW3MS	1	1557	Fe,Mn
Q2964-02MSD	MW3MSD	1	1602	Fe,Mn
CCV05	CCV05	1	1624	Fe,Mn,Na
CCB05	CCB05	1	1639	Fe,Mn,Na
Q2964-02	MW3	5	1643	Na
Q2964-02DUP	MW3DUP	5	1648	Na
Q2964-02MS	MW3MS	5	1656	Na
Q2964-02MSD	MW3MSD	5	1701	Na
CCV06	CCV06	1	1710	Fe,Mn,Na
CCB06	CCB06	1	1714	Fe,Mn,Na

METAL PREPARATION & INSTRUMENT DATA

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Metals
- 11 -
ICP INTERELEMENT CORRECTION FACTORS

Client: G Environmental **SDG No.:** Q2964

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.:** Q2964

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.:** Q2964

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.:** Q2964

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.:** Q2964

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:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-02	**MW3**	**Water**			**08/25/25**			**08/26/25**
			Metals Group4	6010D		08/27/25	08/27/25	

METAL PREPARATION & ANALYICAL SUMMARY

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Metals
- 13 -
SAMPLE PREPARATION SUMMARY

Client: G Environmental **SDG No.:** Q2964

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:	**PB169418**						
PB169418BL	PB169418BL	MB	WATER	08/27/2025	50.0	25.0	
PB169418BS	PB169418BS	LCS	WATER	08/27/2025	50.0	25.0	
Q2964-02	MW3	SAM	WATER	08/27/2025	50.0	25.0	
Q2964-02DUP	MW3DUP	DUP	WATER	08/27/2025	50.0	25.0	
Q2964-02MS	MW3MS	MS	WATER	08/27/2025	50.0	25.0	
Q2964-02MSD	MW3MSD	MSD	WATER	08/27/2025	50.0	25.0	

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Fax : 908 789 8922

Instrument ID: P4

Daily Analysis Runlog For Sequence/QCBatch ID # LB136987

Review By	jaswal	Review On	8/28/2025 11:41:53 AM
Supervise By	Janvi	Supervise On	8/28/2025 12:07:16 PM

STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	S0	S0	CAL1	08/27/25 11:02		Jaswal	OK
2	S1	S1	CAL2	08/27/25 11:07		Jaswal	OK
3	S2	S2	CAL3	08/27/25 11:11		Jaswal	OK
4	S3	S3	CAL4	08/27/25 11:15		Jaswal	OK
5	S4	S4	CAL5	08/27/25 11:19		Jaswal	OK
6	S5	S5	CAL6	08/27/25 11:23		Jaswal	OK
7	ICV01	ICV01	ICV	08/27/25 11:28		Jaswal	OK
8	LLICV01	LLICV01	LLICV	08/27/25 11:34		Jaswal	OK
9	ICB01	ICB01	ICB	08/27/25 11:40		Jaswal	OK
10	CRI01	CRI01	CRDL	08/27/25 11:44		Jaswal	OK
11	ICSA01	ICSA01	ICSA	08/27/25 11:48		Jaswal	OK
12	ICSAB01	ICSAB01	ICSAB	08/27/25 11:53		Jaswal	OK
13	ICSADL	ICSADL	ICSA	08/27/25 11:57		Jaswal	OK
14	ICSABDL	ICSABDL	ICSAB	08/27/25 12:01		Jaswal	OK
15	CCV01	CCV01	CCV	08/27/25 12:05		Jaswal	OK
16	CCB01	CCB01	CCB	08/27/25 12:13		Jaswal	OK
17	LR-1	LR-1	HIGH STD	08/27/25 12:17		Jaswal	OK
18	LR-2	LR-2	HIGH STD	08/27/25 12:22		Jaswal	OK

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Instrument ID: P4

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STD. NAME	STD REF.#
ICAL Standard	MP86640,MP86656,MP86653,MP86643,MP86642,MP86641
ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

19	LR-3	LR-3	HIGH STD	08/27/25 12:26		Jaswal	OK
20	PB169396BL	PB169396BL	MB	08/27/25 12:31		Jaswal	OK
21	PB169396BS	PB169396BS	LCS	08/27/25 12:35		Jaswal	OK
22	PB169397BL	PB169397BL	MB	08/27/25 12:39		Jaswal	OK
23	PB169397BS	PB169397BS	LCS	08/27/25 12:44		Jaswal	OK
24	Q2950-01	402	SAM	08/27/25 12:48		Jaswal	OK
25	Q2950-01DUP	402DUP	DUP	08/27/25 12:52		Jaswal	OK
26	Q2950-01L	402L	SD	08/27/25 12:56		Jaswal	OK
27	CCV02	CCV02	CCV	08/27/25 13:07		Jaswal	OK
28	CCB02	CCB02	CCB	08/27/25 13:12		Jaswal	OK
29	Q2950-01MS	402MS	MS	08/27/25 13:16		Jaswal	OK
30	Q2950-01MSD	402MSD	MSD	08/27/25 13:20		Jaswal	OK
31	Q2950-01A	402A	PS	08/27/25 13:24		Jaswal	OK
32	Q2954-11	BRIDGE	SAM	08/27/25 13:28		Jaswal	OK
33	Q2954-11DUP	BRIDGEDUP	DUP	08/27/25 13:32		Jaswal	OK
34	Q2954-11L	BRIDGEL	SD	08/27/25 13:37		Jaswal	OK
35	Q2954-11MS	BRIDGEMS	MS	08/27/25 13:41		Jaswal	OK
36	Q2954-11MSD	BRIDGEMSD	MSD	08/27/25 13:45		Jaswal	OK
37	Q2954-11A	BRIDGEA	PS	08/27/25 13:49		Jaswal	OK
38	PB169417BL	PB169417BL	MB	08/27/25 13:53		Jaswal	OK

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Instrument ID: P4

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Supervise By	Janvi	Supervise On	8/28/2025 12:07:16 PM

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ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

39	CCV03	CCV03	CCV	08/27/25 14:09		Jaswal	OK
40	CCB03	CCB03	CCB	08/27/25 14:13		Jaswal	OK
41	PB169417BS	PB169417BS	LCS	08/27/25 14:17		Jaswal	OK
42	Q2954-01	BRIDGE-NORTH	SAM	08/27/25 14:21		Jaswal	OK
43	Q2954-06	BRIDGE-SOUTH	SAM	08/27/25 14:25		Jaswal	OK
44	Q2960-01	SU-03-08262025	SAM	08/27/25 14:29		Jaswal	OK
45	Q2960-01DUP	SU-03-08262025DUP	DUP	08/27/25 14:33		Jaswal	OK
46	Q2960-01L	SU-03-08262025L	SD	08/27/25 14:37		Jaswal	OK
47	Q2960-01MS	SU-03-08262025MS	MS	08/27/25 14:41		Jaswal	OK
48	Q2960-01MSD	SU-03-08262025MSD	MSD	08/27/25 14:45		Jaswal	OK
49	Q2960-01A	SU-03-08262025A	PS	08/27/25 14:49		Jaswal	OK
50	CCV04	CCV04	CCV	08/27/25 14:53		Jaswal	OK
51	CCB04	CCB04	CCB	08/27/25 14:57		Jaswal	OK
52	PB169418BL	PB169418BL	MB	08/27/25 15:34		Jaswal	OK
53	PB169418BS	PB169418BS	LCS	08/27/25 15:40		Jaswal	OK
54	Q2964-02	MW3	SAM	08/27/25 15:44	Na high	Jaswal	Dilution
55	Q2964-02DUP	MW3DUP	DUP	08/27/25 15:48	Na high	Jaswal	Dilution
56	Q2964-02L	MW3L	SD	08/27/25 15:53		Jaswal	OK
57	Q2964-02MS	MW3MS	MS	08/27/25 15:57	Na high	Jaswal	Dilution
58	Q2964-02MSD	MW3MSD	MSD	08/27/25 16:02	Na high	Jaswal	Dilution

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ICV Standard	MP86752,MP86656
CCV Standard	MP86646
ICSA Standard	MP86651,MP86753
CRI Standard	MP86656
LCS Standard	
Chk Standard	MP86647,MP86648

59	Q2964-02A	MW3A	PS	08/27/25 16:06		Jaswal	OK
60	CCV05	CCV05	CCV	08/27/25 16:24		Jaswal	OK
61	CCB05	CCB05	CCB	08/27/25 16:39		Jaswal	OK
62	Q2964-02DL	MW3DL	SAM	08/27/25 16:43	5x for Na	Jaswal	Confirms
63	Q2964-02DUPDL	MW3DUPDL	DUP	08/27/25 16:48	5x for Na	Jaswal	Confirms
64	Q2964-02LDL	MW3LDL	SD	08/27/25 16:52	Not required	Jaswal	Not Ok
65	Q2964-02MSDL	MW3MSDL	MS	08/27/25 16:56	5x for Na	Jaswal	Confirms
66	Q2964-02MSDDL	MW3MSDDL	MSD	08/27/25 17:01	5x for Na	Jaswal	Confirms
67	Q2964-02ADL	MW3ADL	PS	08/27/25 17:05	Not required	Jaswal	Not Ok
68	CCV06	CCV06	CCV	08/27/25 17:10	CCV fail for K	Jaswal	OK
69	CCB06	CCB06	CCB	08/27/25 17:14		Jaswal	OK

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169418

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: 08/27/2025 **Time :** 10:40 **Temp :** 97 °C

End Digest Date: 08/27/2025 **Time :** 13:45 **Temp :** 98 °C

Digestion tube ID: M5595

Block thermometer ID: MET-DIG. #1

Dig Technician Signature: SJ

Supervisor Signature:

Temp : 1. 96°C 2. N/A

Standared Name	MLS USED	STD REF. # FROM LOG
LFS-1	0.25	M6180
LFS-2	0.25	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 97C

Date / Time	Prepped Sample Relinquished By/Location	Received By/Location
08/27/25 14:45	SJ met dig	met lab
	Preparation Group	Analysis Group

Alliance TECHNICAL GROUP

Water Metals Preparation Sheet

PB169418

Lab Sample ID	Client Sample ID	pH	Initial Vol (ml)	Final Vol (ml)	Color Before	Color After	Clarity Before	Clarity After	Comment	Prep Pos
PB169418BL	PBW418	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	1
PB169418BS	LCS418	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	2
Q2964-02MS	MW3MS	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	5
Q2964-02MSD	MW3MSD	<2	50	25	Colorless	Colorless	Clear	Clear	M6180,M6181	6
Q2964-02DUP	MW3DUP	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	4
Q2964-02	MW3	<2	50	25	Colorless	Colorless	Clear	Clear	N/A	3

A
B
C
D
E
F
G
H
I
J

SAMPLE DATA

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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25 00:00
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3	SDG No.:	Q2964
Lab Sample ID:	Q2964-02	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Alkalinity	130		1	1.00	2.00	mg/L		08/28/25 11:50	SM 2320 B-21
Sulfate	5390	OR	1	0.46	3.00	mg/L		08/26/25 15:51	300.0

Comments: The alkalinity to pH 4.44=130 mg CaCO3/L

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
H = Sample Analysis Out Of Hold Time

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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Report of Analysis

Client:	G Environmental	Date Collected:	08/25/25 00:00
Project:	Buff	Date Received:	08/26/25
Client Sample ID:	MW3DL	SDG No.:	Q2964
Lab Sample ID:	Q2964-02DL	Matrix:	WATER
		% Solid:	0

Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Prep Date	Date Ana.	Ana Met.
Sulfate	4650	D	200	92.0	600	mg/L		08/27/25 18:03	300.0

Comments:

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
H = Sample Analysis Out Of Hold Time

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

QC RESULT SUMMARY

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q2964

Project: Buff **RunNo.:** LB136953

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Sample ID: ICV1						
Bromide	mg/L	10.3	10	103	90-110	08/06/2025
Chloride	mg/L	3.2	3	107	90-110	08/06/2025
Fluoride	mg/L	2	2	100	90-110	08/06/2025
Nitrite	mg/L	3.1	3	103	90-110	08/06/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/06/2025
Sulfate	mg/L	15.4	15	103	90-110	08/06/2025
Orthophosphate as P	mg/L	5	5	100	90-110	08/06/2025
Sample ID: CCV1						
Bromide	mg/L	10	10	100	90-110	08/26/2025
Chloride	mg/L	3	3	100	90-110	08/26/2025
Fluoride	mg/L	2	2	100	90-110	08/26/2025
Nitrite	mg/L	2.9	3	97	90-110	08/26/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/26/2025
Sulfate	mg/L	14.9	15	99	90-110	08/26/2025
Orthophosphate as P	mg/L	4.7	5	94	90-110	08/26/2025
Sample ID: CCV2						
Bromide	mg/L	10	10	100	90-110	08/26/2025
Chloride	mg/L	3	3	100	90-110	08/26/2025
Fluoride	mg/L	2	2	100	90-110	08/26/2025
Nitrite	mg/L	3	3	100	90-110	08/26/2025
Nitrate	mg/L	2.5	2.5	100	90-110	08/26/2025
Sulfate	mg/L	14.7	15	98	90-110	08/26/2025
Orthophosphate as P	mg/L	4.6	5	92	90-110	08/26/2025
Sample ID: CCV3						
Bromide	mg/L	11.9	10	119	90-110	08/26/2025
Chloride	mg/L	3.4	3	113	90-110	08/26/2025
Fluoride	mg/L	2.2	2	110	90-110	08/26/2025
Nitrite	mg/L	3.3	3	110	90-110	08/26/2025
Nitrate	mg/L	2.9	2.5	116	90-110	08/26/2025
Sulfate	mg/L	16.6	15	111	90-110	08/26/2025
Orthophosphate as P	mg/L	5.9	5	118	90-110	08/26/2025
Sample ID: CCV4						
Bromide	mg/L	10.6	10	106	90-110	08/27/2025
Chloride	mg/L	3.2	3	107	90-110	08/27/2025
Fluoride	mg/L	2.1	2	105	90-110	08/27/2025
Nitrite	mg/L	3.1	3	103	90-110	08/27/2025
Nitrate	mg/L	2.6	2.5	104	90-110	08/27/2025
Sulfate	mg/L	15.5	15	103	90-110	08/27/2025

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Initial and Continuing Calibration Verification

Client: G Environmental **SDG No.:** Q2964

Project: Buff **RunNo.:** LB136953

Analyte	Units	Result	True Value	% Recovery	Acceptance Window (%R)	Analysis Date
Orthophosphate as P	mg/L	4.6	5	92	90-110	08/27/2025
Sample ID: CCV5						
Bromide	mg/L	12.1	10	121	90-110	08/27/2025
Chloride	mg/L	3.7	3	123	90-110	08/27/2025
Fluoride	mg/L	2.4	2	120	90-110	08/27/2025
Nitrite	mg/L	3.5	3	117	90-110	08/27/2025
Nitrate	mg/L	3	2.5	120	90-110	08/27/2025
Sulfate	mg/L	17.7	15	118	90-110	08/27/2025
Orthophosphate as P	mg/L	6.2	5	124	90-110	08/27/2025

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Fax : 908 789 8922

Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff **RunNo.:** LB136953

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: ICB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/06/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/06/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/06/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/06/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/06/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/06/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/06/2025
Sample ID: CCB1							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/26/2025
Sample ID: CCB2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/26/2025
Sample ID: CCB3							
Bromide	mg/L	1	1.0000	J	0.37	2	08/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/26/2025
Sample ID: CCB4							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/27/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/27/2025
Sample ID: CCB5							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/27/2025

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Initial and Continuing Calibration Blank Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff **RunNo.:** LB136953

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/27/2025

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Preparation Blank Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff

Analyte	Units	Result	Acceptance Limits	Conc Qual	MDL	RDL	Analysis Date
Sample ID: LB136953BLW							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/26/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/26/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/26/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/26/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/26/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/26/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/26/2025
Sample ID: LB136953BLW2							
Bromide	mg/L	< 1.0000	1.0000	U	0.37	2	08/27/2025
Chloride	mg/L	< 0.3000	0.3000	U	0.19	0.6	08/27/2025
Fluoride	mg/L	< 0.2000	0.2000	U	0.11	0.4	08/27/2025
Nitrite	mg/L	< 0.3000	0.3000	U	0.074	0.6	08/27/2025
Nitrate	mg/L	< 0.2500	0.2500	U	0.095	0.5	08/27/2025
Sulfate	mg/L	< 1.5000	1.5000	U	0.46	3	08/27/2025
Orthophosphate as P	mg/L	< 0.5000	0.5000	U	0.34	1	08/27/2025
Sample ID: LB136993BLW							
Alkalinity	mg/L	< 1.0000	1.0000	U	1	2	08/28/2025

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Matrix Spike Summary

Client: G Environmental
SDG No.: Q2964
Project: Buff
Sample ID: Q2954-11
Client ID: BRIDGEMS
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	10.3		0.37	U	10	1	103		08/26/2025
Chloride	mg/L	80-120	158	OR	162	OR	3	1	-133	*	08/26/2025
Fluoride	mg/L	80-120	2.30		0.25	J	2	1	103		08/26/2025
Nitrite	mg/L	80-120	3.00		0.074	U	3	1	100		08/26/2025
Nitrate	mg/L	80-120	2.70		0.23	J	2.5	1	99		08/26/2025
Sulfate	mg/L	80-120	43.0	OR	28.8		15	1	95		08/26/2025
Orthophosphate as P	mg/L	80-120	5.00		0.34	U	5	1	100		08/26/2025

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Matrix Spike Summary

Client: G Environmental
Project: Buff
Client ID: BRIDGEMSD

SDG No.: Q2964
Sample ID: Q2954-11
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit %R	Spiked Result	Conc. Qualifier	Sample Result	Conc. Qualifier	Spike Added	Dilution Factor	% Rec	Qual	Analysis Date
Bromide	mg/L	80-120	9.90		0.37	U	10	1	99		08/26/2025
Chloride	mg/L	80-120	157	OR	162	OR	3	1	-167	*	08/26/2025
Fluoride	mg/L	80-120	2.20		0.25	J	2	1	98		08/26/2025
Nitrite	mg/L	80-120	2.90		0.074	U	3	1	97		08/26/2025
Nitrate	mg/L	80-120	2.60		0.23	J	2.5	1	95		08/26/2025
Sulfate	mg/L	80-120	42.4	OR	28.8		15	1	91		08/26/2025
Orthophosphate as P	mg/L	80-120	4.80		0.34	U	5	1	96		08/26/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buff
Client ID: BRIDGEMSD

SDG No.: Q2964
Sample ID: Q2954-11
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Chloride	mg/L	+/-20	158	OR	157	OR	1	1		08/26/2025
Sulfate	mg/L	+/-20	43.0	OR	42.4	OR	1	1		08/26/2025
Nitrite	mg/L	+/-20	3.00		2.90		1	3		08/26/2025
Bromide	mg/L	+/-20	10.3		9.90		1	4		08/26/2025
Fluoride	mg/L	+/-20	2.30		2.20		1	4		08/26/2025
Nitrate	mg/L	+/-20	2.70		2.60		1	4		08/26/2025
Orthophosphate as P	mg/L	+/-20	5.00		4.80		1	4		08/26/2025

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Duplicate Sample Summary

Client: G Environmental
Project: Buff
Client ID: MW3DUP
SDG No.: Q2964
Sample ID: Q2964-02
Percent Solids for Spike Sample: 0

Analyte	Units	Acceptance Limit	Sample Result	Conc. Qualifier	Duplicate Result	Conc. Qualifier	Dilution Factor	RPD/ AD	Qual	Analysis Date
Alkalinity	mg/L	+/-20	130		131		1	1		08/28/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff **Run No.:** LB136953

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136953BSW								
Bromide	mg/L	10	9.90		99	1	90-110	08/26/2025
Chloride	mg/L	3	3.00		100	1	90-110	08/26/2025
Fluoride	mg/L	2	2.00		100	1	90-110	08/26/2025
Nitrite	mg/L	3	3.00		100	1	90-110	08/26/2025
Nitrate	mg/L	2.5	2.50		100	1	90-110	08/26/2025
Sulfate	mg/L	15	14.9		99	1	90-110	08/26/2025
Orthophosphate as P	mg/L	5	4.90		98	1	90-110	08/26/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff **Run No.:** LB136953

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136953BSW2								
Bromide	mg/L	10	10.5		105	1	90-110	08/27/2025
Chloride	mg/L	3	3.20		107	1	90-110	08/27/2025
Fluoride	mg/L	2	2.10		105	1	90-110	08/27/2025
Nitrite	mg/L	3	3.10		103	1	90-110	08/27/2025
Nitrate	mg/L	2.5	2.60		104	1	90-110	08/27/2025
Sulfate	mg/L	15	15.4		103	1	90-110	08/27/2025
Orthophosphate as P	mg/L	5	4.70		94	1	90-110	08/27/2025

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Laboratory Control Sample Summary

Client: G Environmental **SDG No.:** Q2964

Project: Buff **Run No.:** LB136993

Analyte	Units	True Value	Result	Conc. Qualifier	% Recovery	Dilution Factor	Acceptance Limit %R	Analysis Date
Sample ID LB136993BSW								
Alkalinity	mg/L	50	53.7		107	1	80-120	08/28/2025

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136953

Review By	rubina	Review On	8/28/2025 12:08:21 PM
Supervise By	Sohil	Supervise On	8/28/2025 12:09:33 PM
SubDirectory	LB136953	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114433
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114432
Chk Standard	WP114193,WP114194

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	STD1	STD1	CAL1	08/06/25 10:18	All standards, samples, and	RM/IZ	OK
2	STD2	STD2	CAL2	08/06/25 10:40	QC are filtered through	RM/IZ	OK
3	STD3	STD3	CAL3	08/06/25 11:01	0.45um, filter lot W3160	RM/IZ	OK
4	STD4	STD4	CAL4	08/06/25 11:23		RM/IZ	OK
5	STD5	STD5	CAL5	08/06/25 11:44		RM/IZ	OK
6	STD6	STD6	CAL6	08/06/25 12:06		RM/IZ	OK
7	STD7	STD7	CAL7	08/06/25 12:27		RM/IZ	OK
8	ICV1	ICV1	ICV	08/06/25 12:48		RM/IZ	OK
9	ICB1	ICB1	ICB	08/06/25 13:10		RM/IZ	OK
10	CCV1	CCV1	CCV	08/26/25 10:12		RM/IZ	OK
11	CCB1	CCB1	CCB	08/26/25 10:34		RM/IZ	OK
12	LB136953BLW	LB136953BLW	MB	08/26/25 10:55		RM/IZ	OK
13	LB136953BSW	LB136953BSW	LCS	08/26/25 11:17		RM/IZ	OK
14	Q2954-11	BRIDGE	SAM	08/26/25 11:38		RM/IZ	OK
15	Q2954-11MS	BRIDGEMS	MS	08/26/25 12:00	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
16	Q2954-11MSD	BRIDGEMSD	MSD	08/26/25 12:21	9.5ml of sample, 0.5mL W3092	RM/IZ	OK
17	CCV2	CCV2	CCV	08/26/25 12:43		RM/IZ	OK
18	CCB2	CCB2	CCB	08/26/25 13:04		RM/IZ	OK

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Instrument ID: IC-1

Daily Analysis Runlog For Sequence/QCBatch ID # LB136953

Review By	rubina	Review On	8/28/2025 12:08:21 PM
Supervise By	Sohil	Supervise On	8/28/2025 12:09:33 PM
SubDirectory	LB136953	Test	Anions

STD. NAME	STD REF.#
ICAL Standard	WP114185,WP114186,WP114187,WP114188,WP114189,WP114190,WP114191
ICV Standard	WP114192
CCV Standard	WP114433
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114432
Chk Standard	WP114193,WP114194

19	Q2964-02	MW3	SAM	08/26/25 15:51	SO4 high	RM/IZ	Dilution
20	CCV3	CCV3	CCV	08/26/25 16:56		RM/IZ	OK
21	CCB3	CCB3	CCB	08/26/25 17:18		RM/IZ	OK
22	CCV4	CCV4	CCV	08/27/25 08:54		RM/IZ	OK
23	CCB4	CCB4	CCB	08/27/25 09:15		RM/IZ	OK
24	LB136953BLW2	LB136953BLW2	MB	08/27/25 09:37		RM/IZ	OK
25	LB136953BSW2	LB136953BSW2	LCS	08/27/25 09:58		RM/IZ	OK
26	Q2964-02DL	MW3DL	SAM	08/27/25 18:03	Report 200X for SO4	RM/IZ	Confirms
27	CCV5	CCV5	CCV	08/27/25 19:09		RM/IZ	OK
28	CCB5	CCB5	CCB	08/27/25 21:22		RM/IZ	OK

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Instrument ID: TITRATOR

Daily Analysis Runlog For Sequence/QCBatch ID # LB136993

Review By	rubina	Review On	8/29/2025 4:09:43 PM
Supervise By	Iwona	Supervise On	8/29/2025 4:15:43 PM
SubDirectory	LB136993	Test	Alkalinity

STD. NAME	STD REF.#
ICAL Standard	N/A
ICV Standard	N/A
CCV Standard	N/A
ICSA Standard	N/A
CRI Standard	N/A
LCS Standard	WP114472
Chk Standard	W3217,W3178,W3150

Sr#	SampleId	ClientID	QcType	Date	Comment	Operator	Status
1	LB136993BLW	LB136993BLW	MB	08/28/25 11:40	pH=3.86	Eman	OK
2	LB136993BSW	LB136993BSW	LCS	08/28/25 11:44	pH=4.45	Eman	OK
3	Q2964-02	MW3	SAM	08/28/25 11:50	pH=4.44	Eman	OK
4	Q2964-02DUP	MW3DUP	DUP	08/28/25 11:55	pH=4.38	Eman	OK

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LAB CHRONICLE

OrderID:	Q2964	**OrderDate:**	8/26/2025 2:35:00 PM
Client:	G Environmental	**Project:**	Buff
Contact:	Gary Landis	**Location:**	D41,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2964-02	**MW3**	**WATER**			**08/25/25 00:00**			**08/26/25**
			Alkalinity	SM2320 B			08/28/25 11:50	
			Anions Group1	300.0			08/26/25 15:51	
Q2964-02DL	**MW3DL**	**WATER**			**08/25/25 00:00**			**08/26/25**
			Anions Group1	300.0			08/27/25 18:03	