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

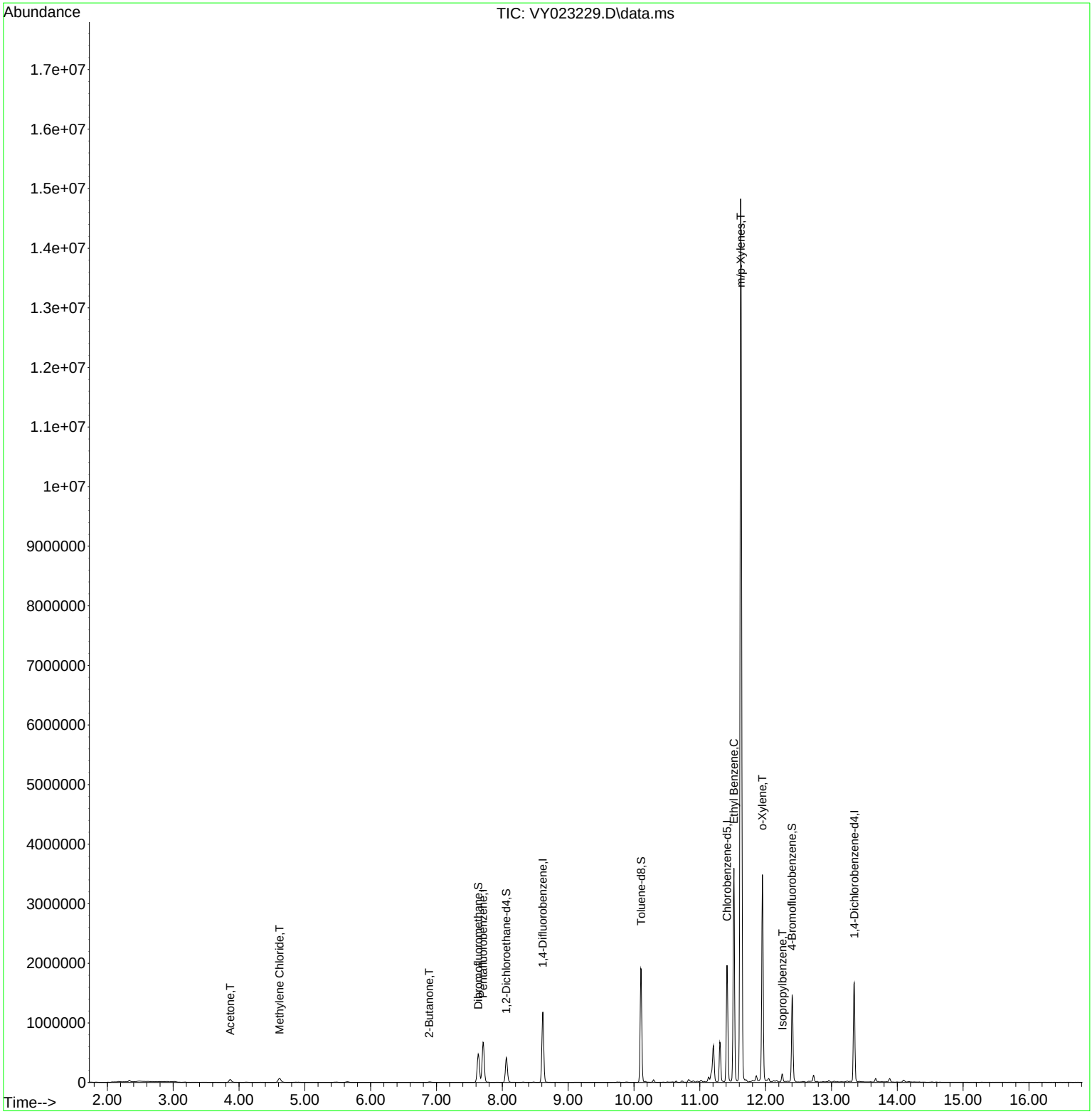
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	536714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	1037130	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	1043264	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	449321	50.000	ug/l	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

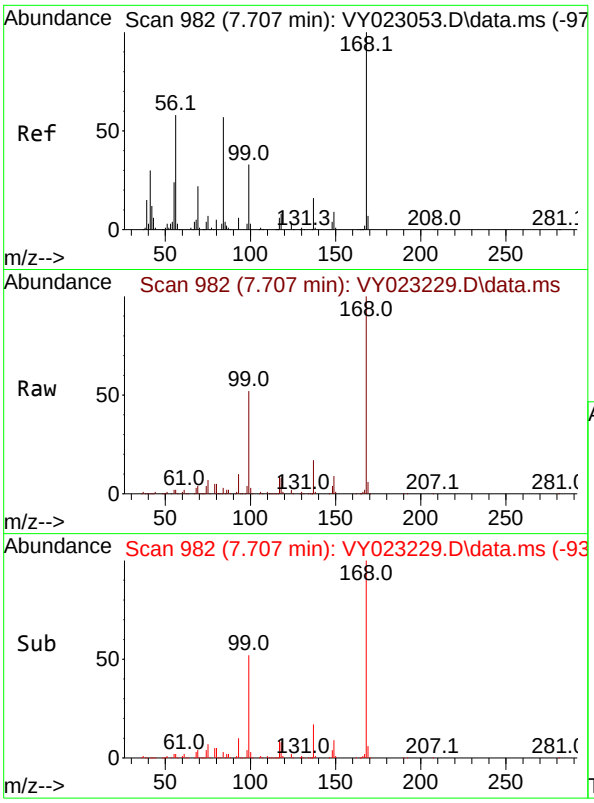
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



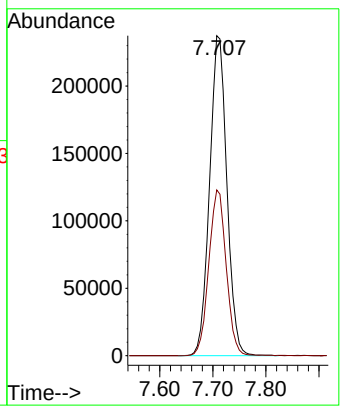


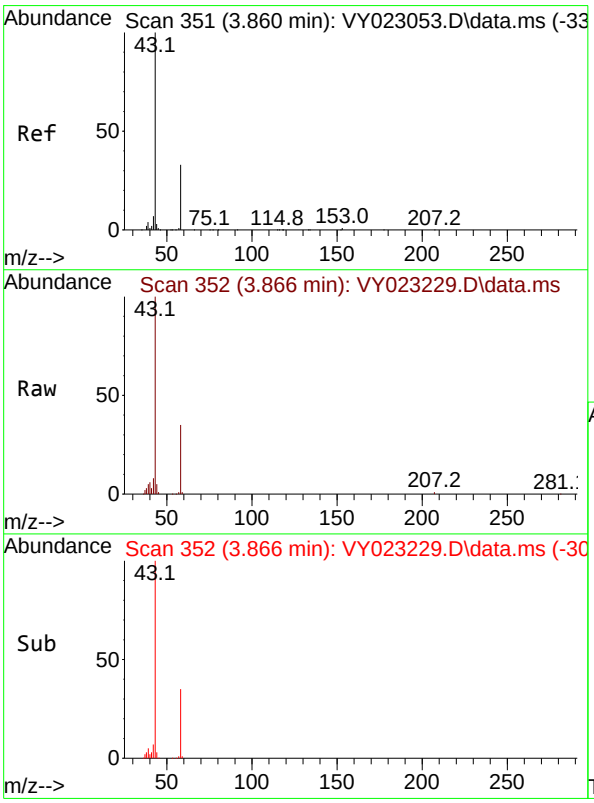
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:168 Resp: 536714

Ion	Ratio	Lower	Upper
168	100		
99	51.8	42.8	64.2

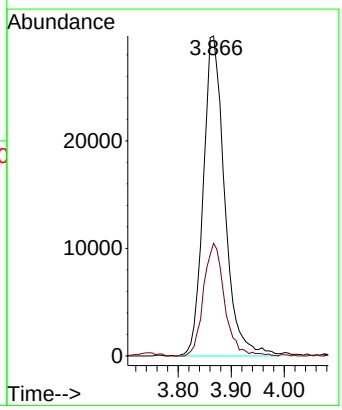


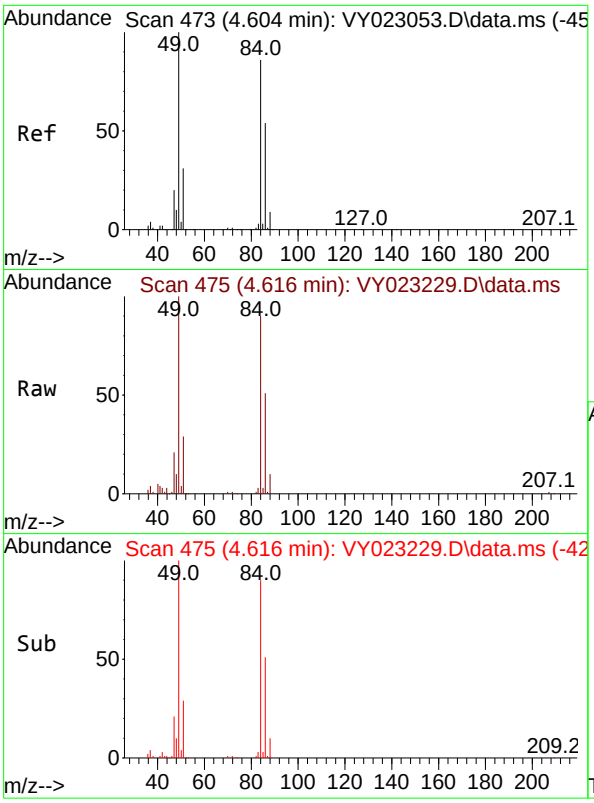


#16
Acetone
Concen: 75.141 ug/l
RT: 3.866 min Scan# 352
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 43 Resp: 83271

Ion	Ratio	Lower	Upper
43	100		
58	35.2	27.1	40.7



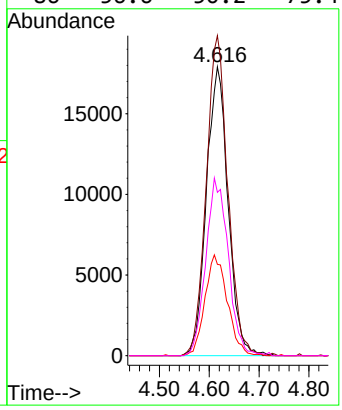


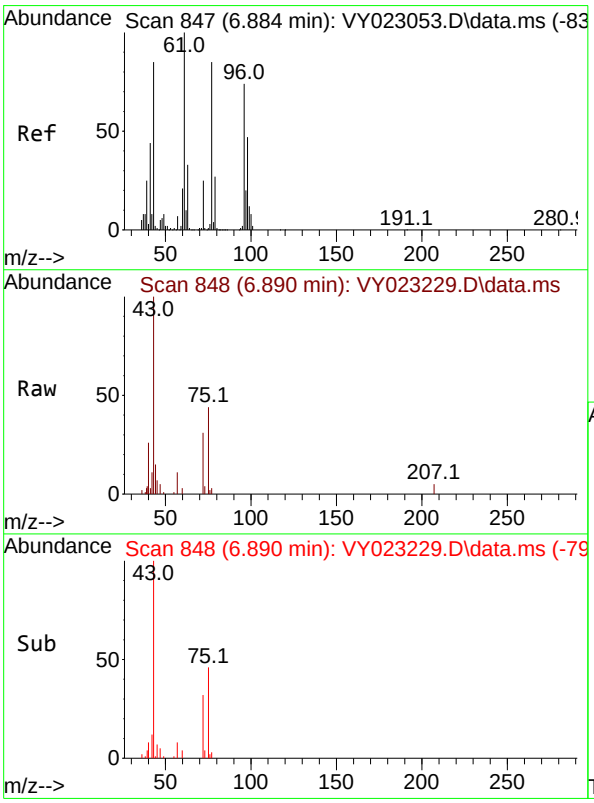
#20
Methylene Chloride
Concen: 7.071 ug/l
RT: 4.616 min Scan# 4
Delta R.T. 0.012 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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

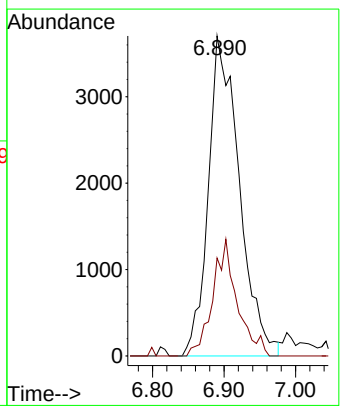


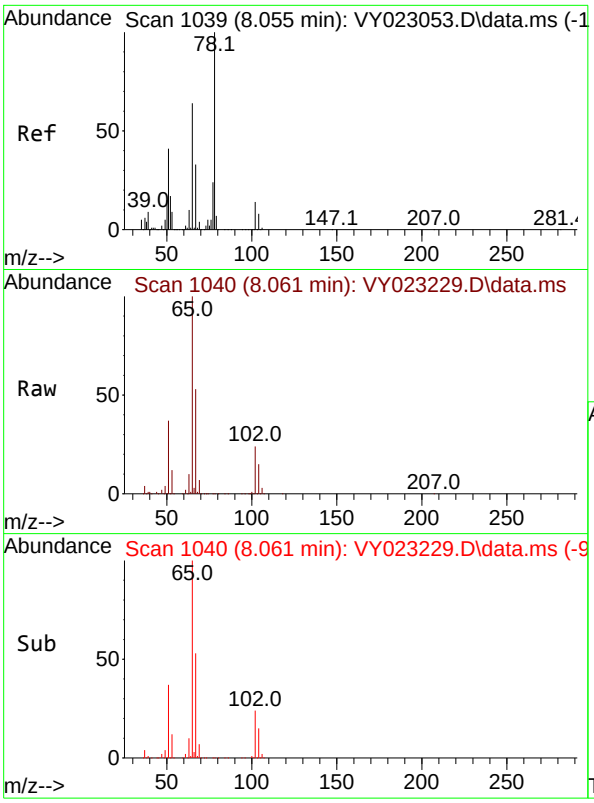


#25
2-Butanone
Concen: 7.398 ug/l
RT: 6.890 min Scan# 848
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 43 Resp: 11150

Ion	Ratio	Lower	Upper
43	100		
72	30.6	23.5	35.3



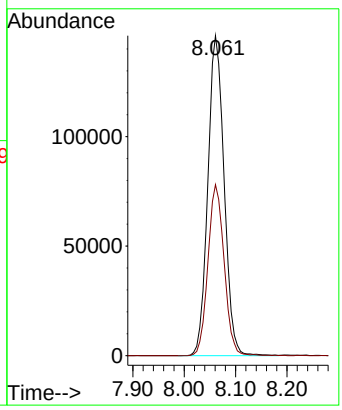


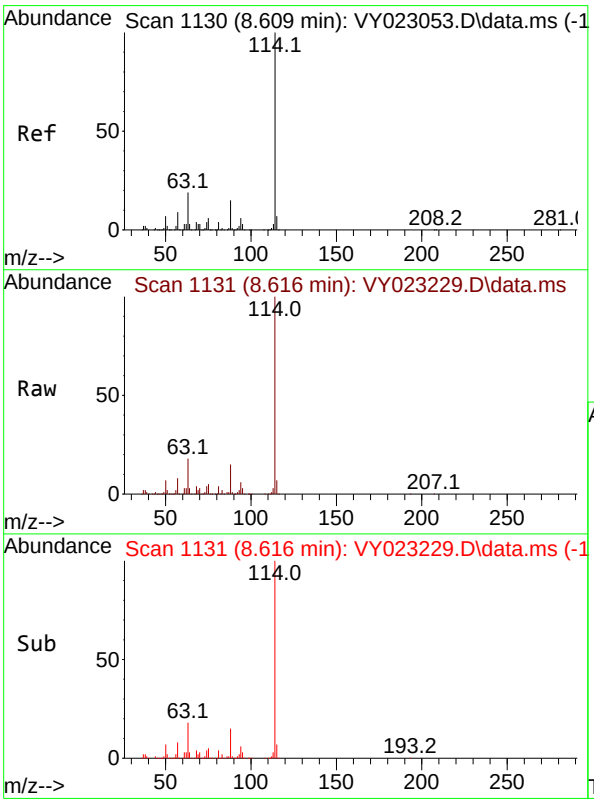
#33
1,2-Dichloroethane-d4
Concen: 62.771 ug/l
RT: 8.061 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 65 Resp: 321088

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	106.8

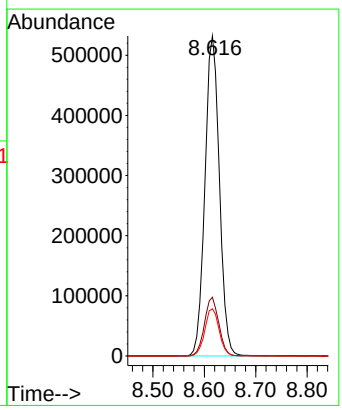


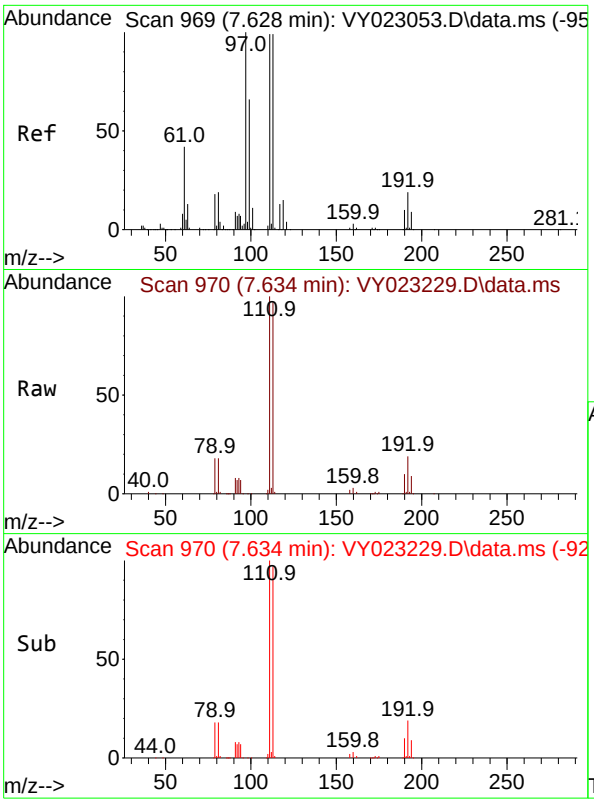


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 1131
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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



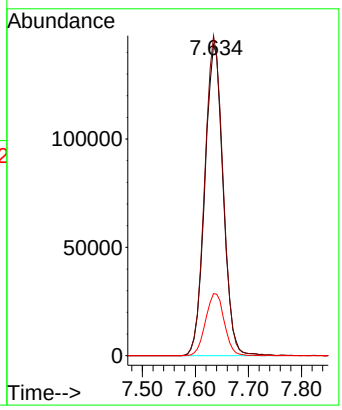


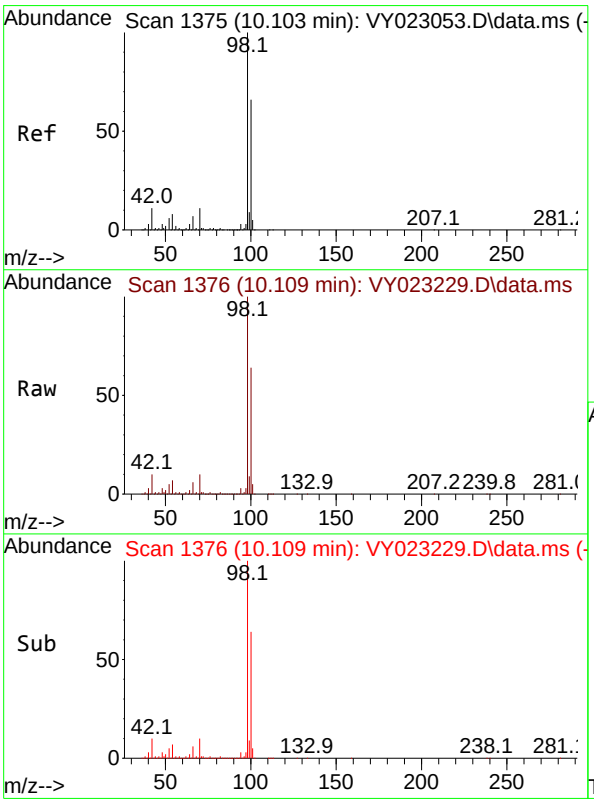
#35
Dibromofluoromethane
Concen: 55.424 ug/l
RT: 7.634 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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

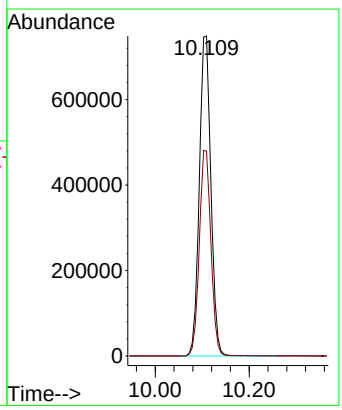


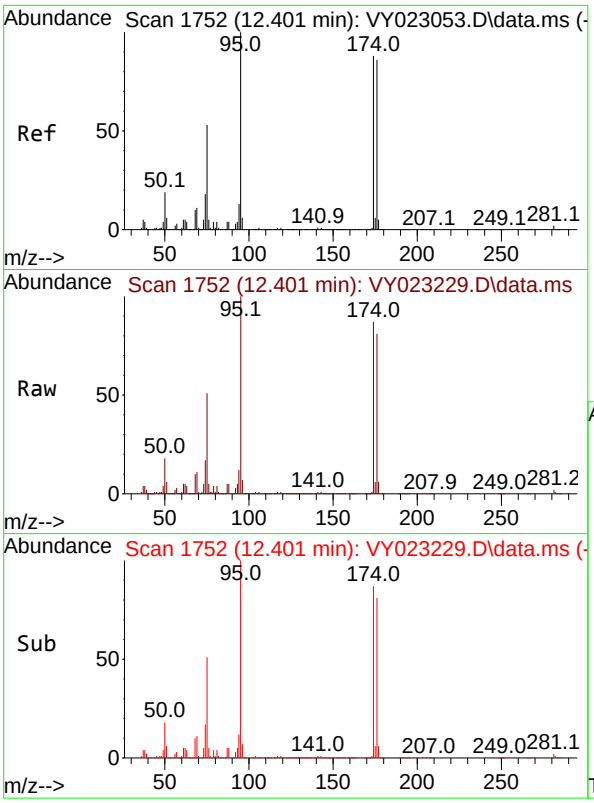


#50
Toluene-d8
Concen: 52.817 ug/l
RT: 10.109 min Scan# 1376
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion: 98 Resp: 1280473

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.3	78.5



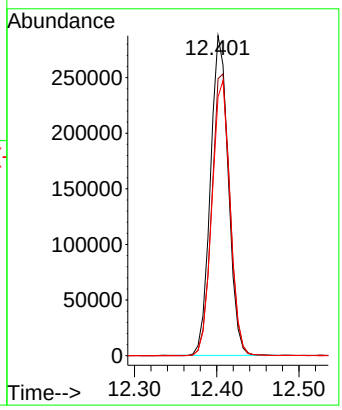


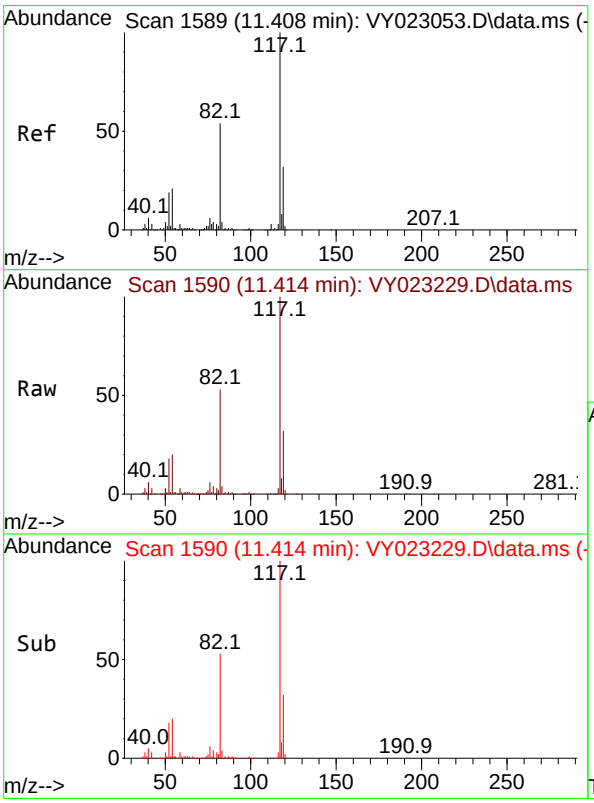
#62
4-Bromofluorobenzene
Concen: 55.668 ug/l
RT: 12.401 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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

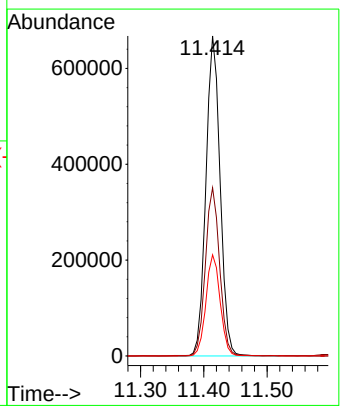


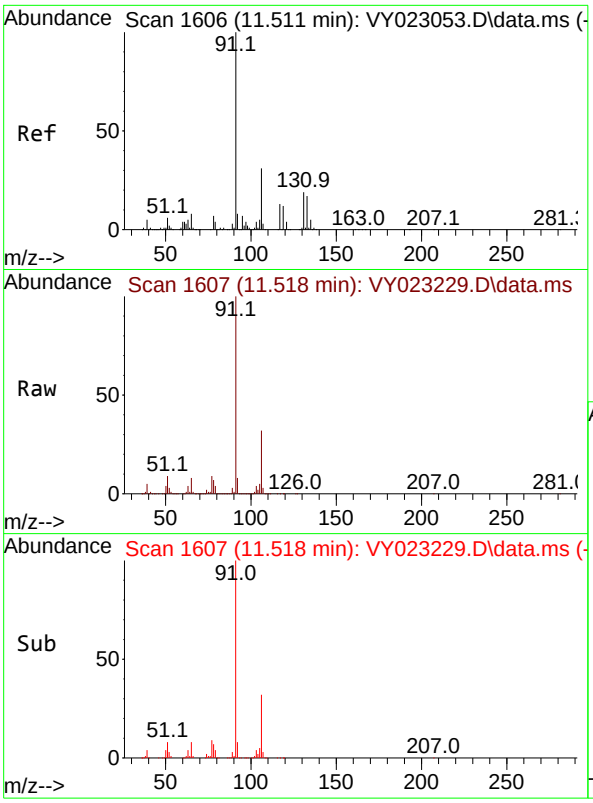


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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



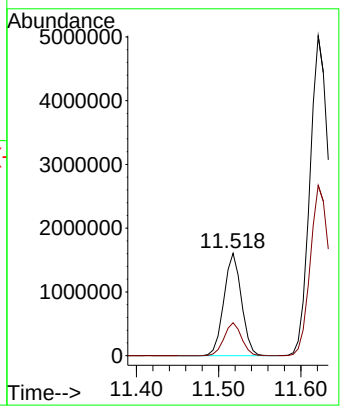


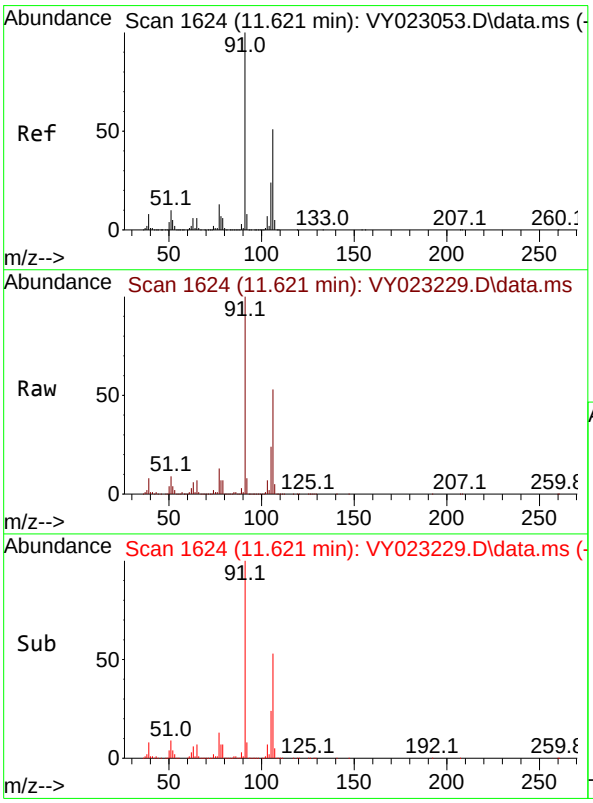
#67
Ethyl Benzene
Concen: 61.677 ug/l
RT: 11.518 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion: 91 Resp: 2388519

Ion	Ratio	Lower	Upper
91	100		
106	32.3	25.0	37.4

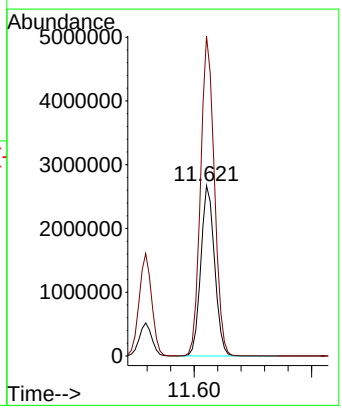


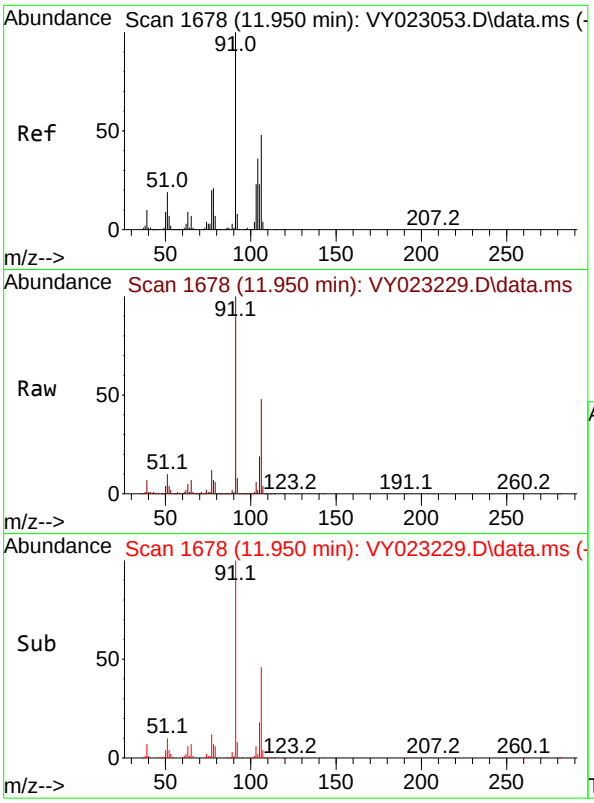


#68
m/p-Xylenes
Concen: 287.460 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Tgt Ion:106 Resp: 4347804

Ion	Ratio	Lower	Upper
106	100		
91	188.3	158.6	238.0



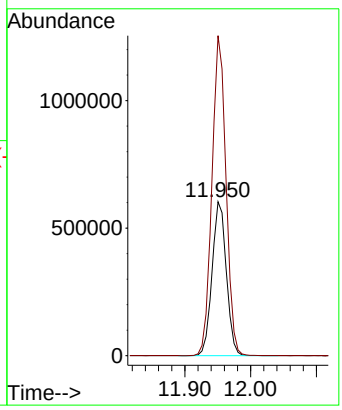


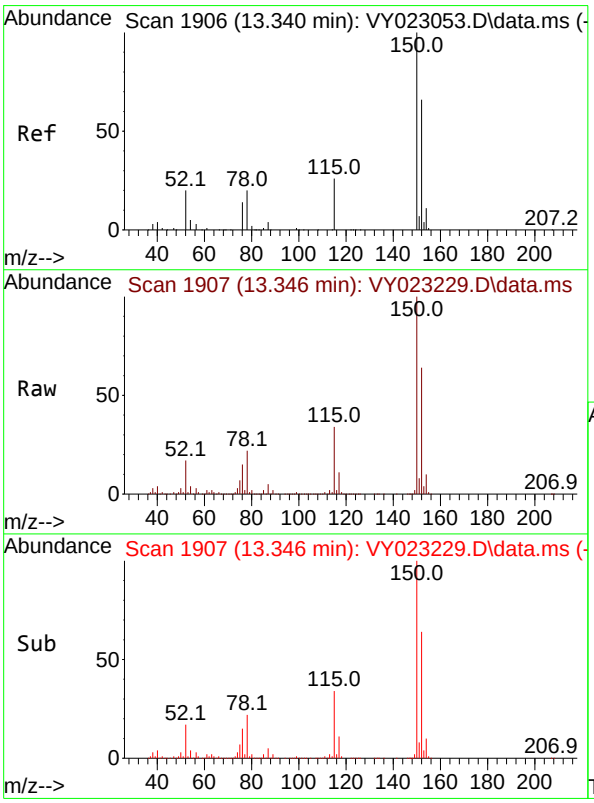
#69
o-Xylene
Concen: 64.126 ug/l
RT: 11.950 min Scan# 1
Delta R.T. 0.000 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

Tgt Ion:106 Resp: 908406

Ion	Ratio	Lower	Upper
106	100		
91	205.5	103.2	309.4

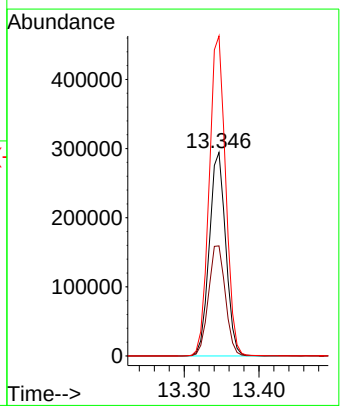


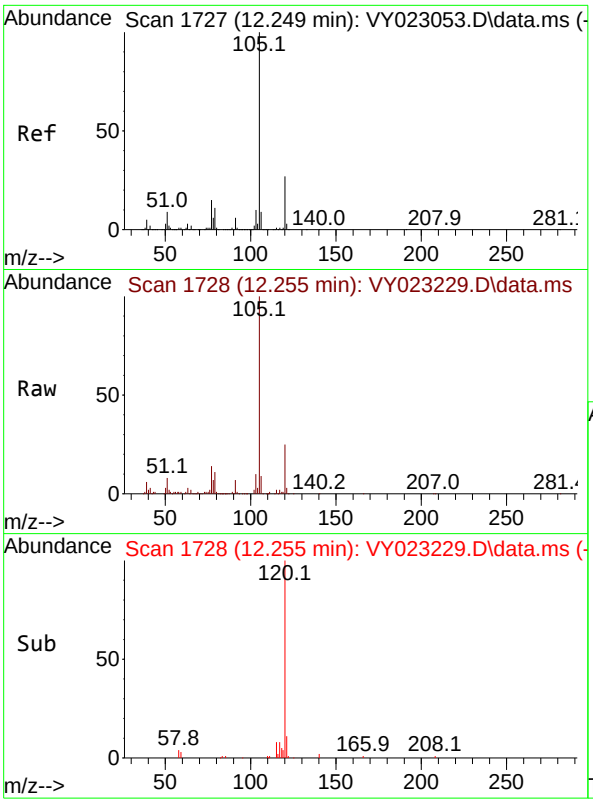


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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



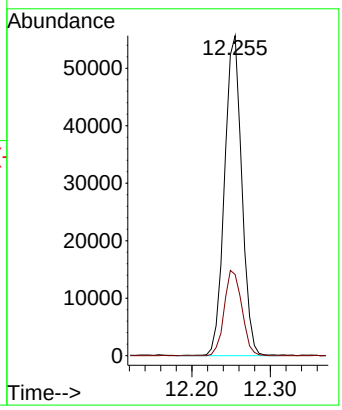


#73
Isopropylbenzene
Concen: 2.689 ug/l
RT: 12.255 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023229.D
Acq: 28 Aug 2025 16:15

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

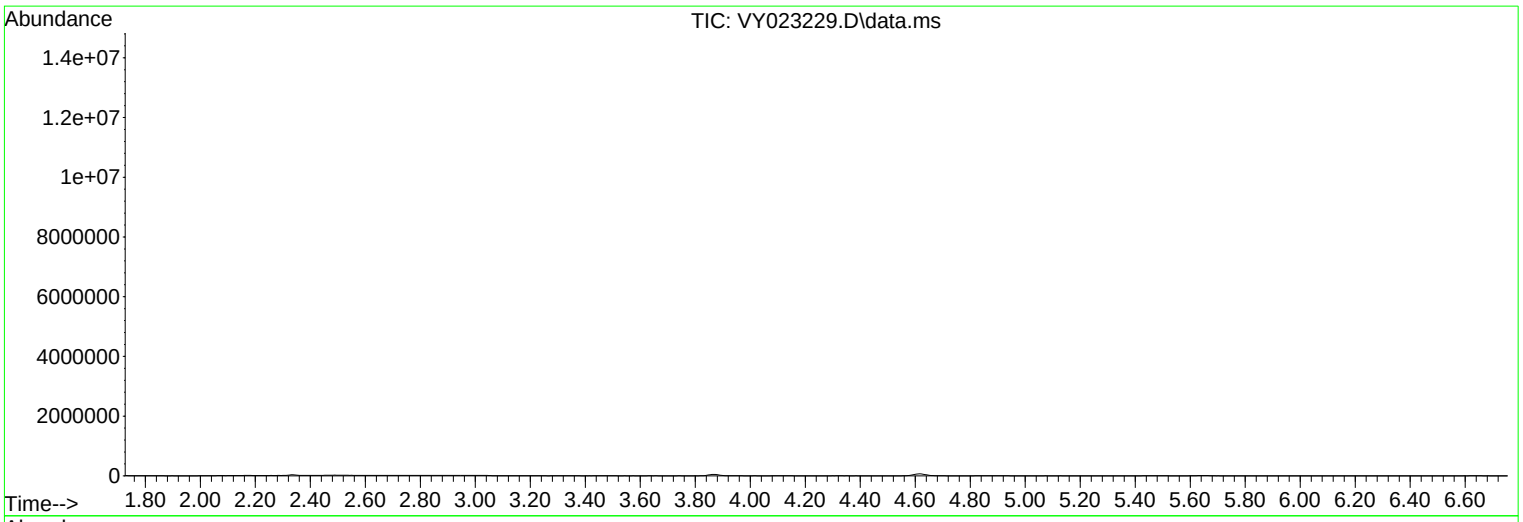
Sample Results: **VY023229.D**

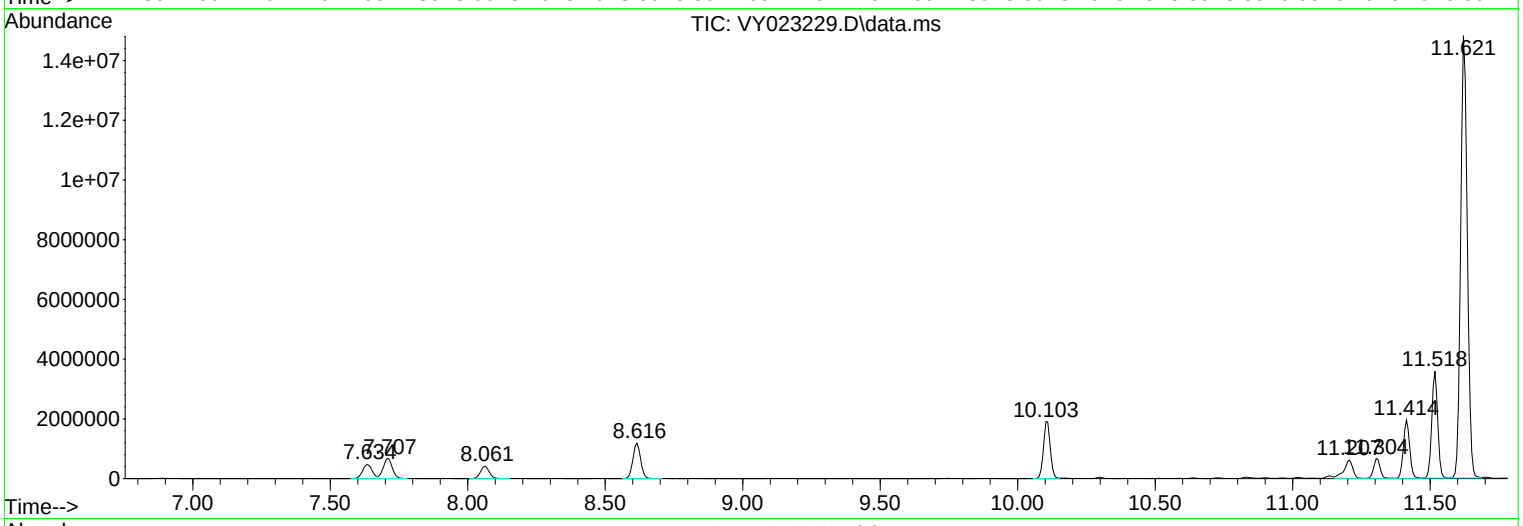
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023229.D
Acq On : 28 Aug 2025 16:15
Operator : SY/MD
Sample : Q2964-01
Misc : 7.04g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

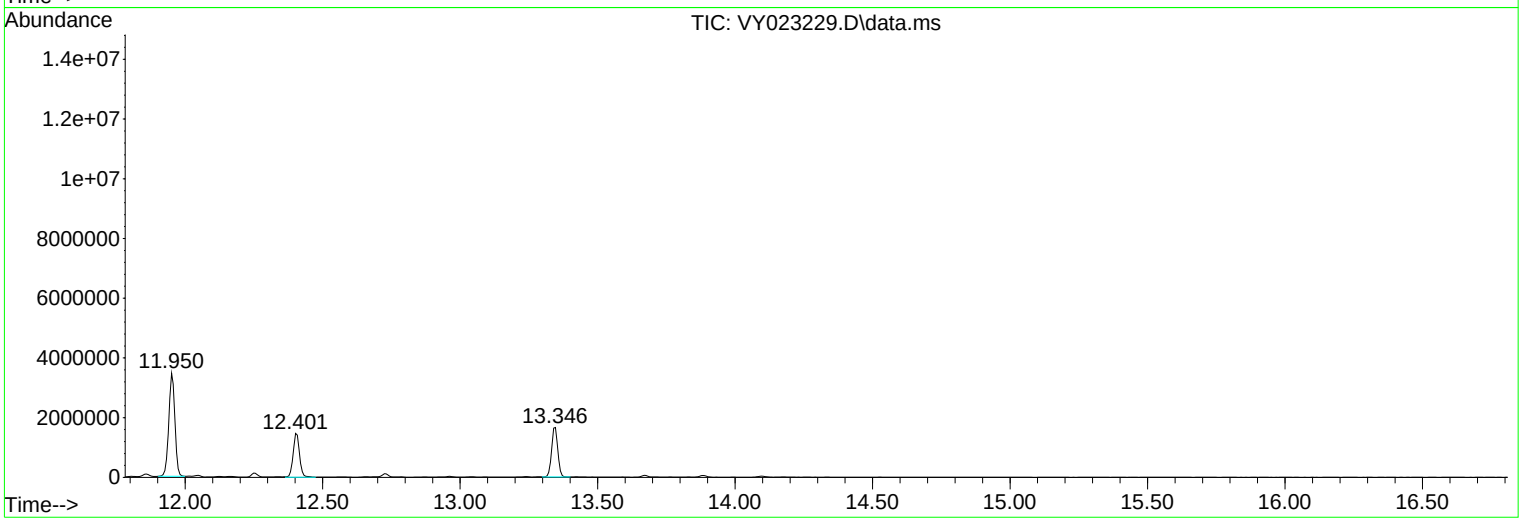
Instrument :
MSVOA_Y
ClientSampleId :
RBBX4R

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

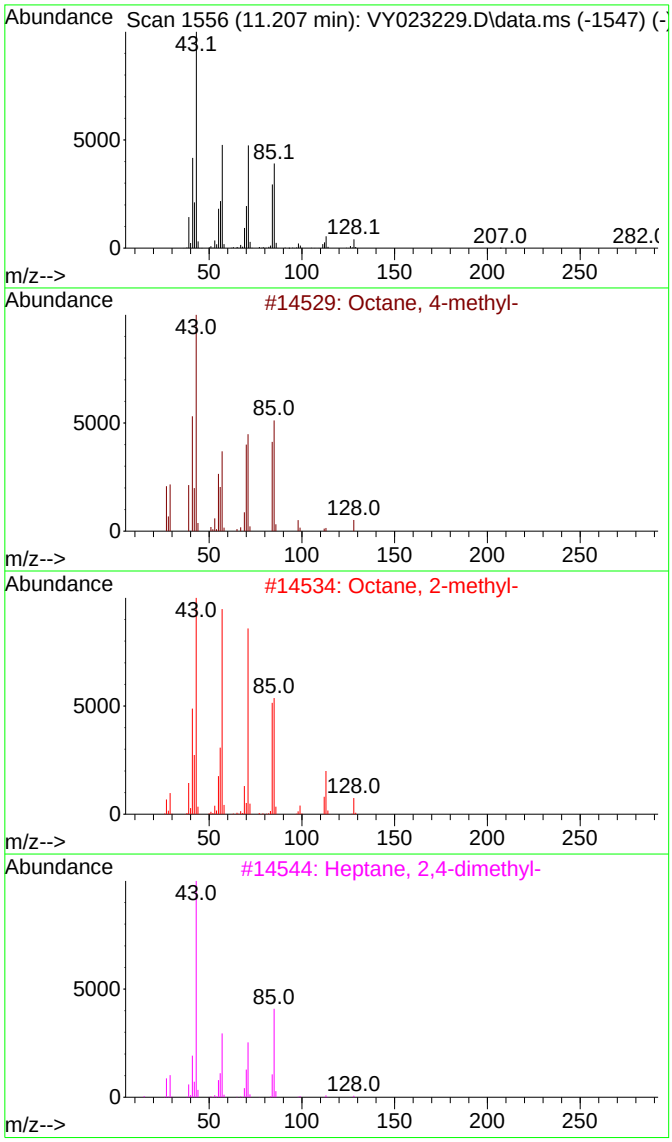
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

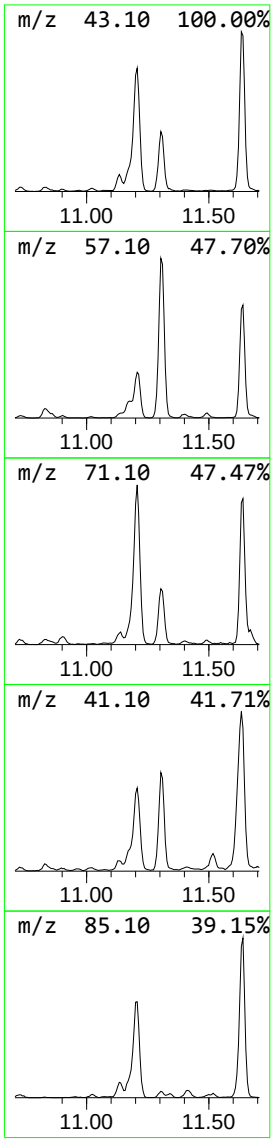
****

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

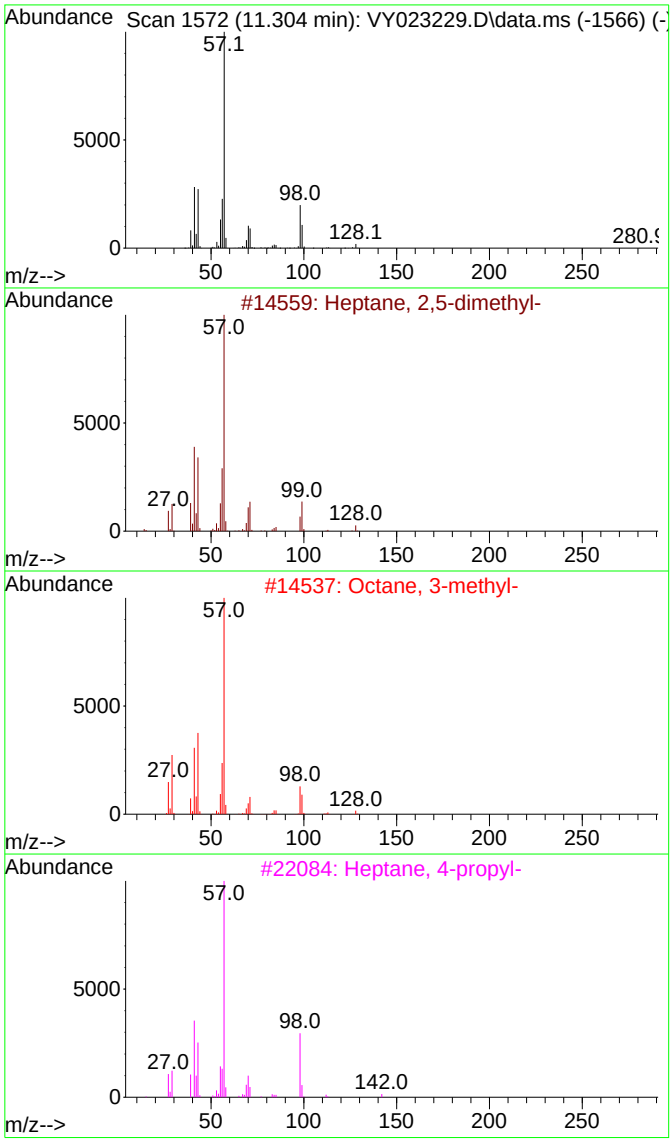
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y081225S.M
Quant Title : SW846 8260

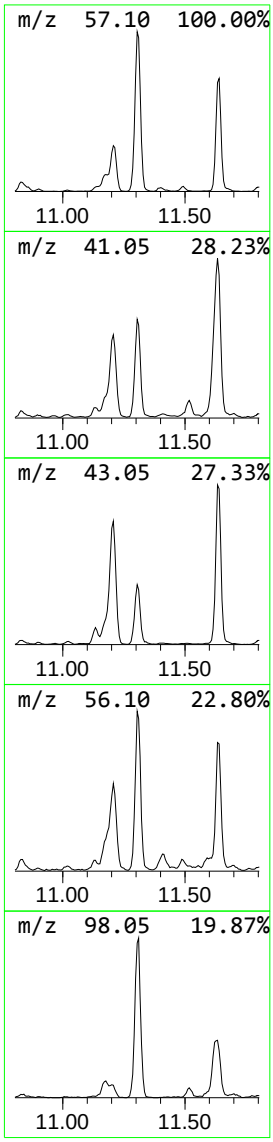
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
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

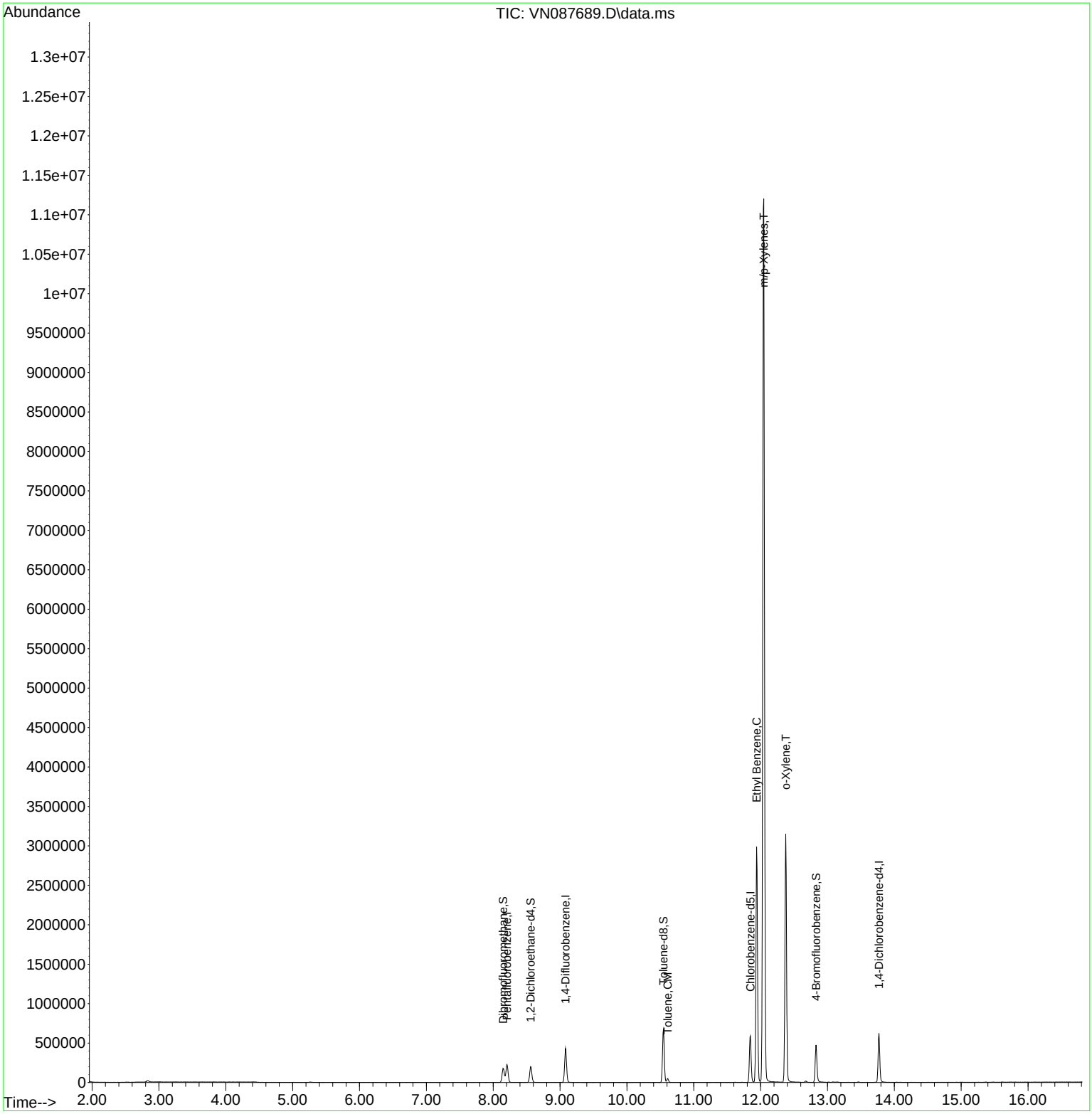
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	148628	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	339597	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	324921	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	157594	50.000	ug/l	0.00
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

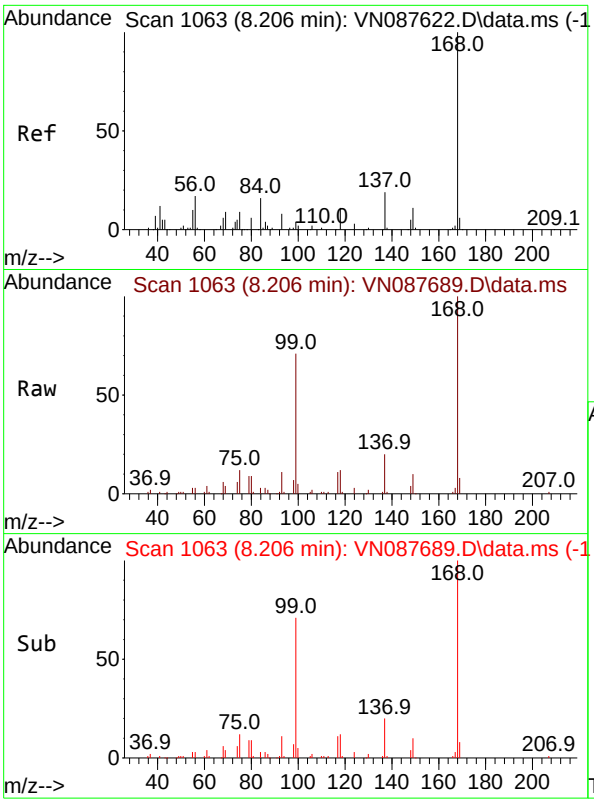
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



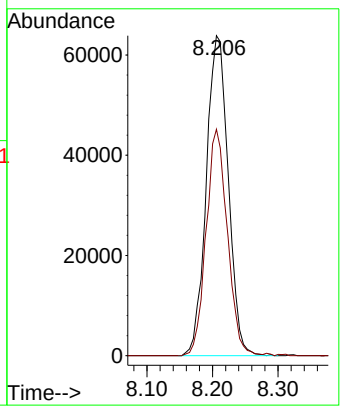


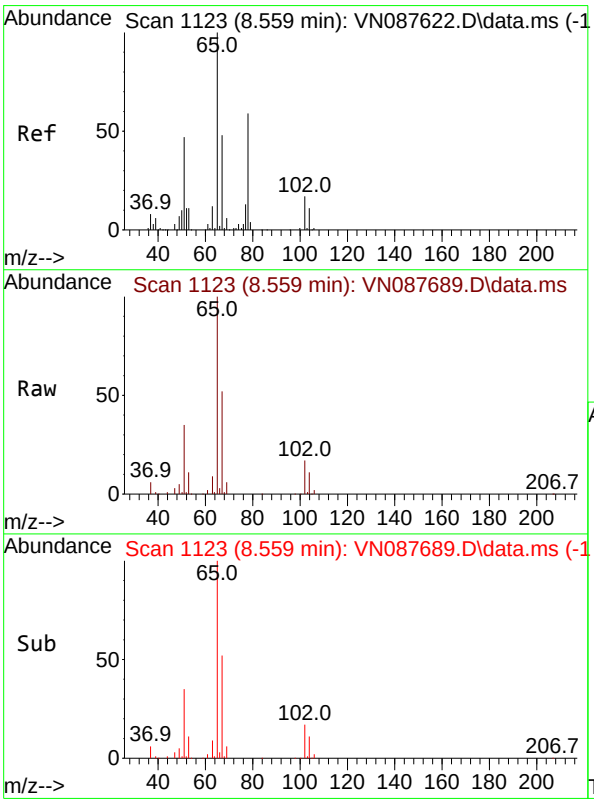
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:168 Resp: 148628

Ion	Ratio	Lower	Upper
168	100		
99	70.8	57.2	85.8

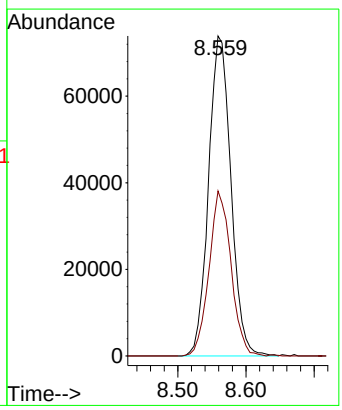


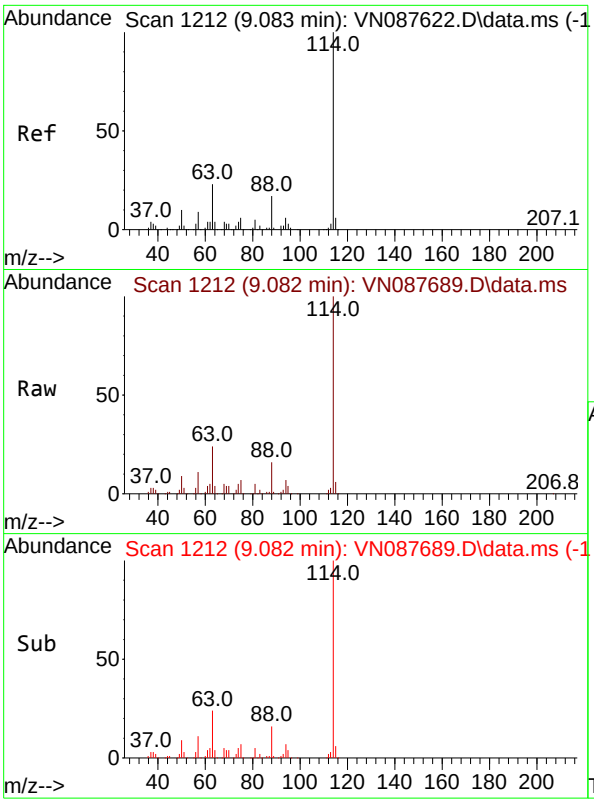


#33
1,2-Dichloroethane-d4
Concen: 55.368 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 65 Resp: 168607

Ion	Ratio	Lower	Upper
65	100		
67	50.7	0.0	100.0



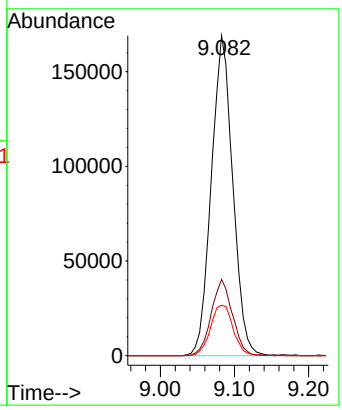


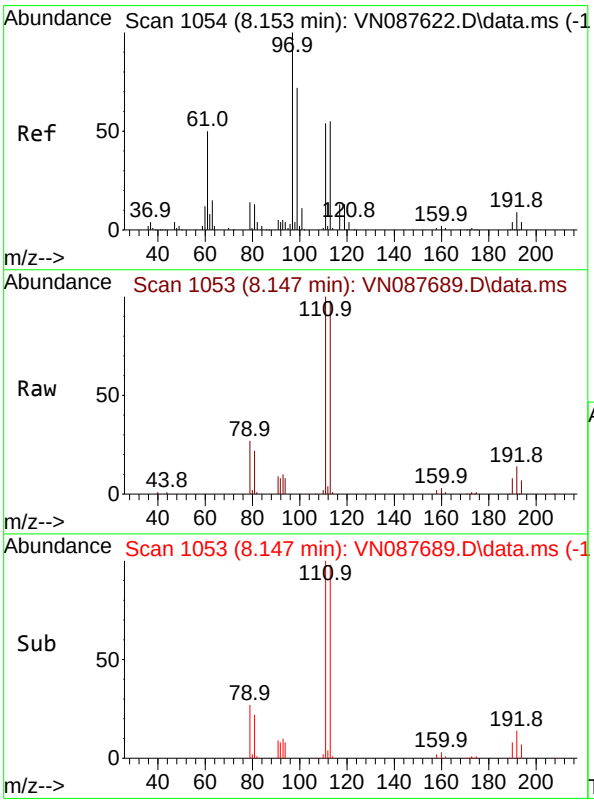
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

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

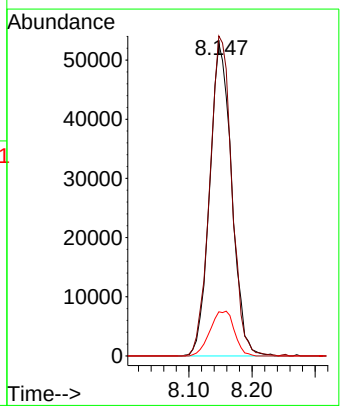


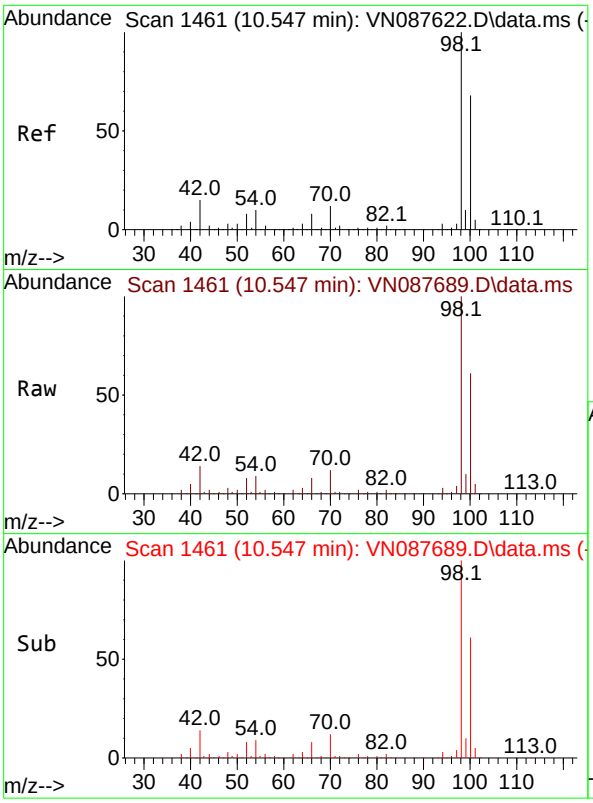


#35
Dibromofluoromethane
Concen: 52.159 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

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



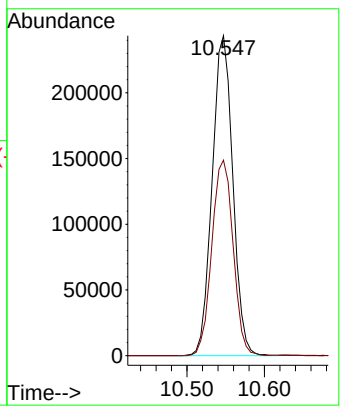


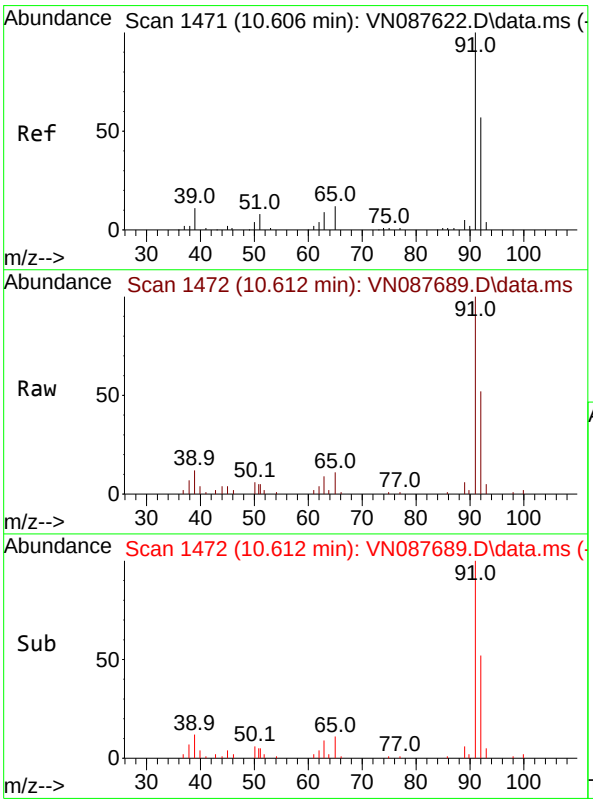
#50
Toluene-d8
Concen: 49.144 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion: 98 Resp: 450991

Ion	Ratio	Lower	Upper
98	100		
100	63.1	52.8	79.2

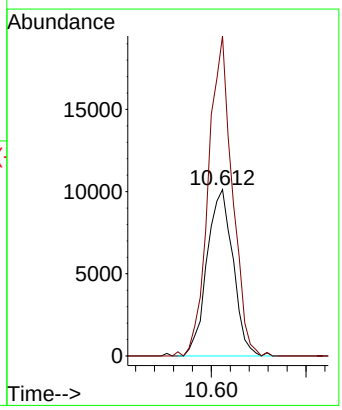


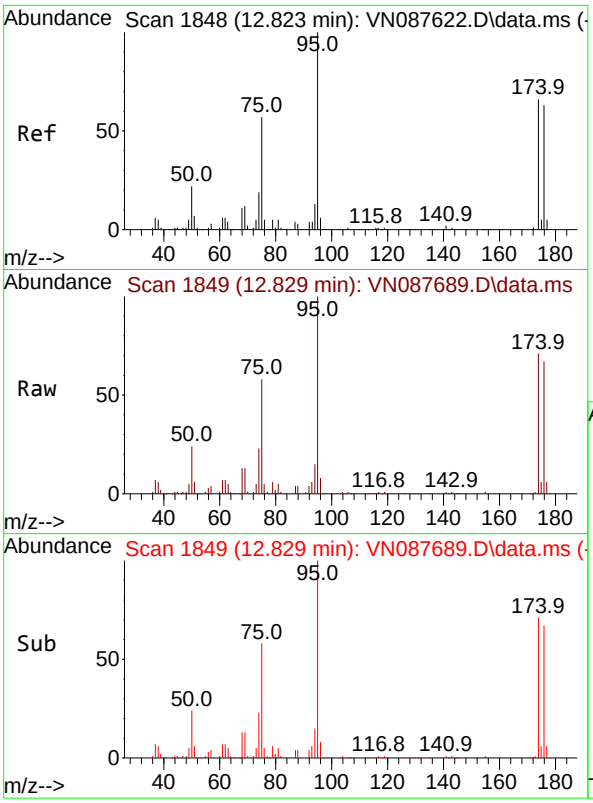


#52
Toluene
Concen: 2.705 ug/l
RT: 10.612 min Scan# 1472
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion: 92 Resp: 19345

Ion	Ratio	Lower	Upper
92	100		
91	176.5	140.4	210.6



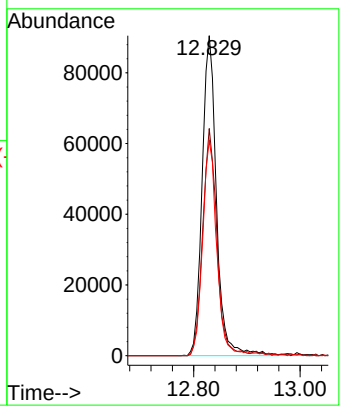


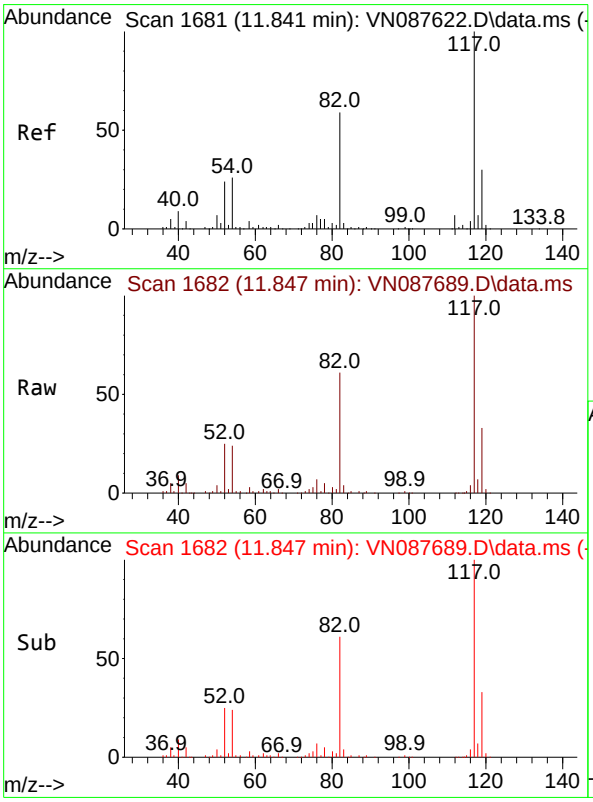
#62
4-Bromofluorobenzene
Concen: 51.795 ug/l
RT: 12.829 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

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

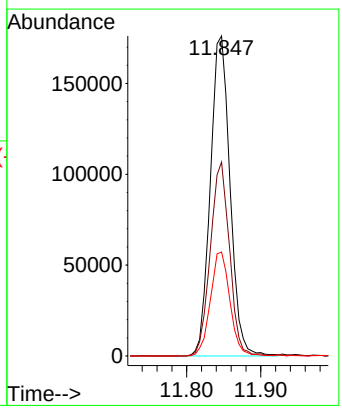


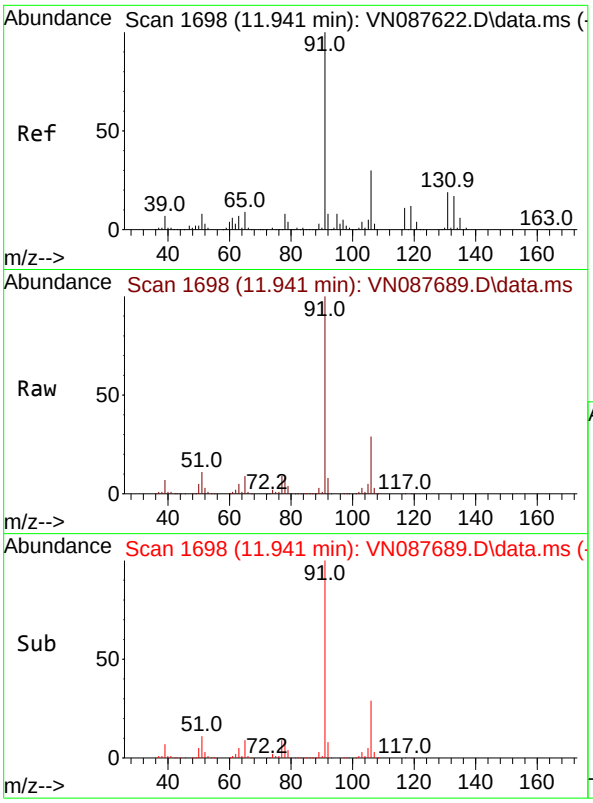


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1682
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

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



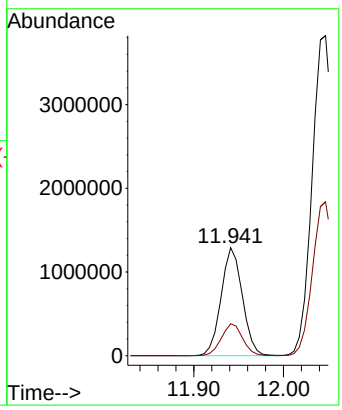


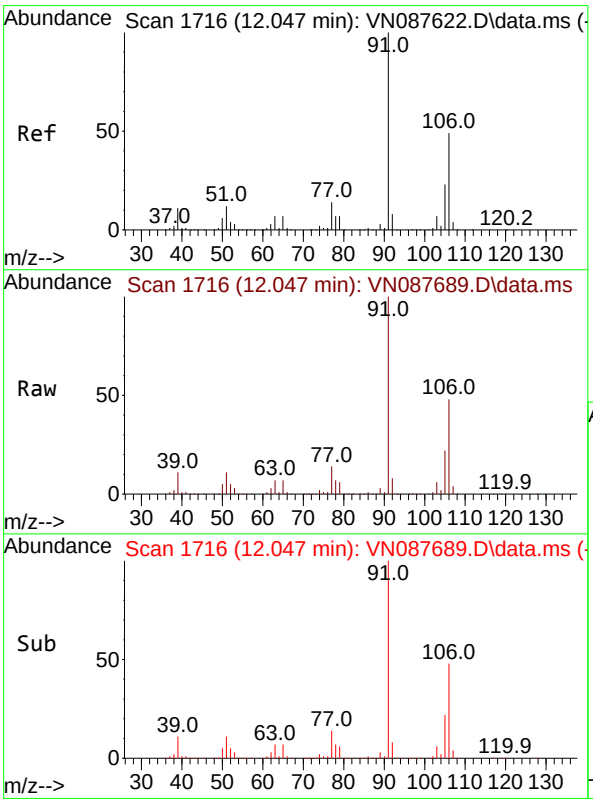
#67
Ethyl Benzene
Concen: 151.847 ug/l
RT: 11.941 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion: 91 Resp: 2125249

Ion	Ratio	Lower	Upper
91	100		
106	29.5	24.1	36.1

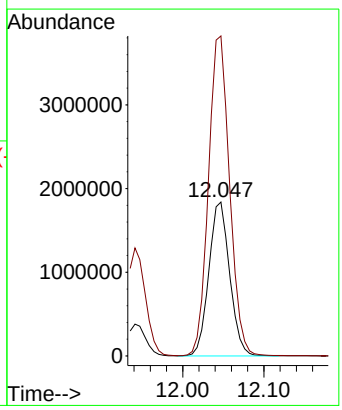


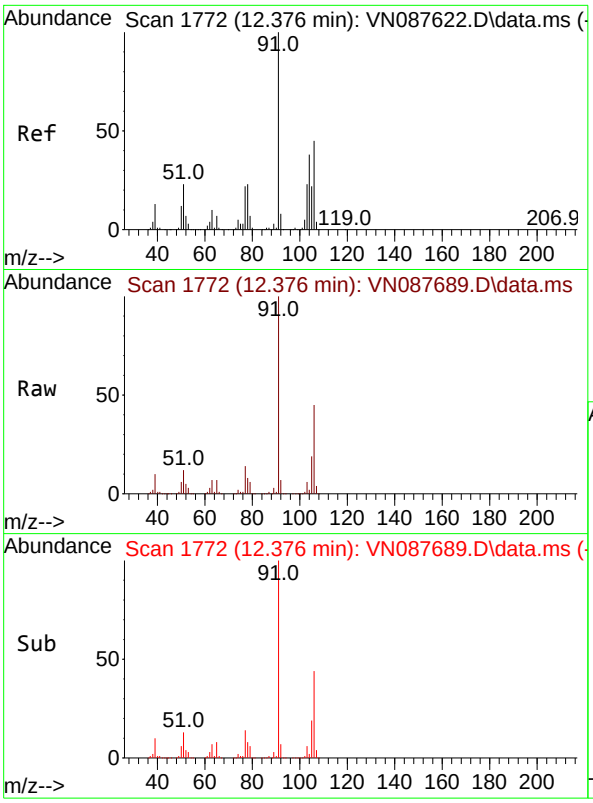


#68
m/p-Xylenes
Concen: 636.793 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Tgt Ion:106 Resp: 3268630

Ion	Ratio	Lower	Upper
106	100		
91	211.6	169.3	253.9



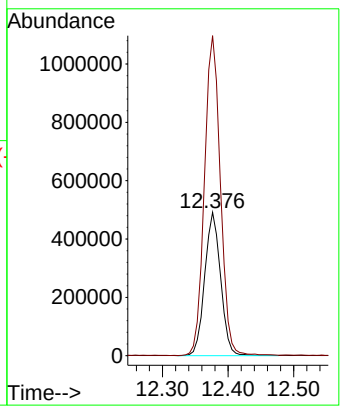


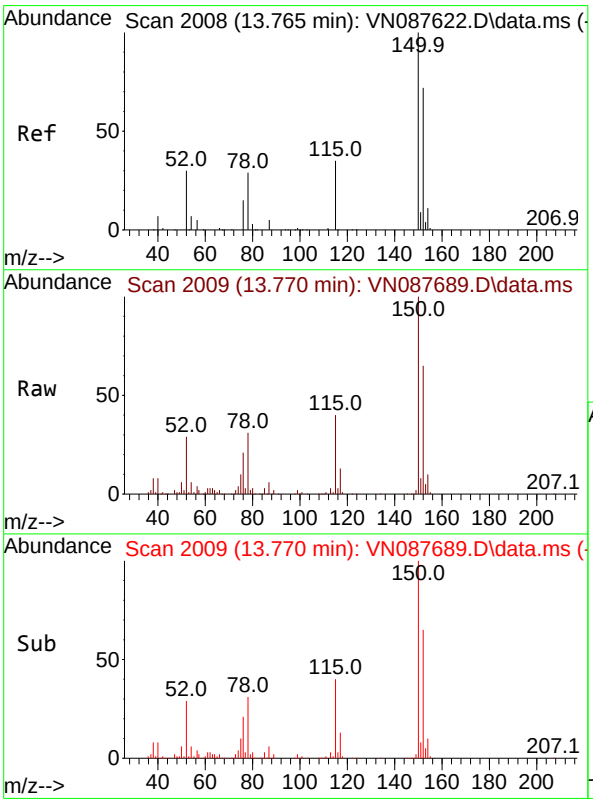
#69
o-Xylene
Concen: 164.604 ug/l
RT: 12.376 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

Instrument :
MSVOA_N
ClientSampleId :
RPXY1R

Tgt Ion:106 Resp: 828002

Ion	Ratio	Lower	Upper
106	100		
91	224.7	111.4	334.2

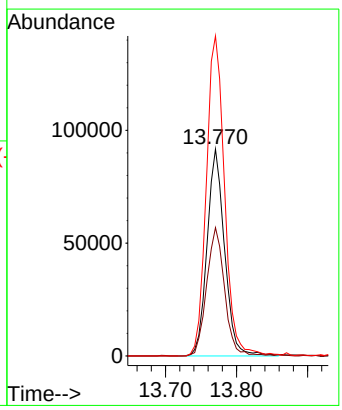




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087689.D
Acq: 28 Aug 2025 16:32

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

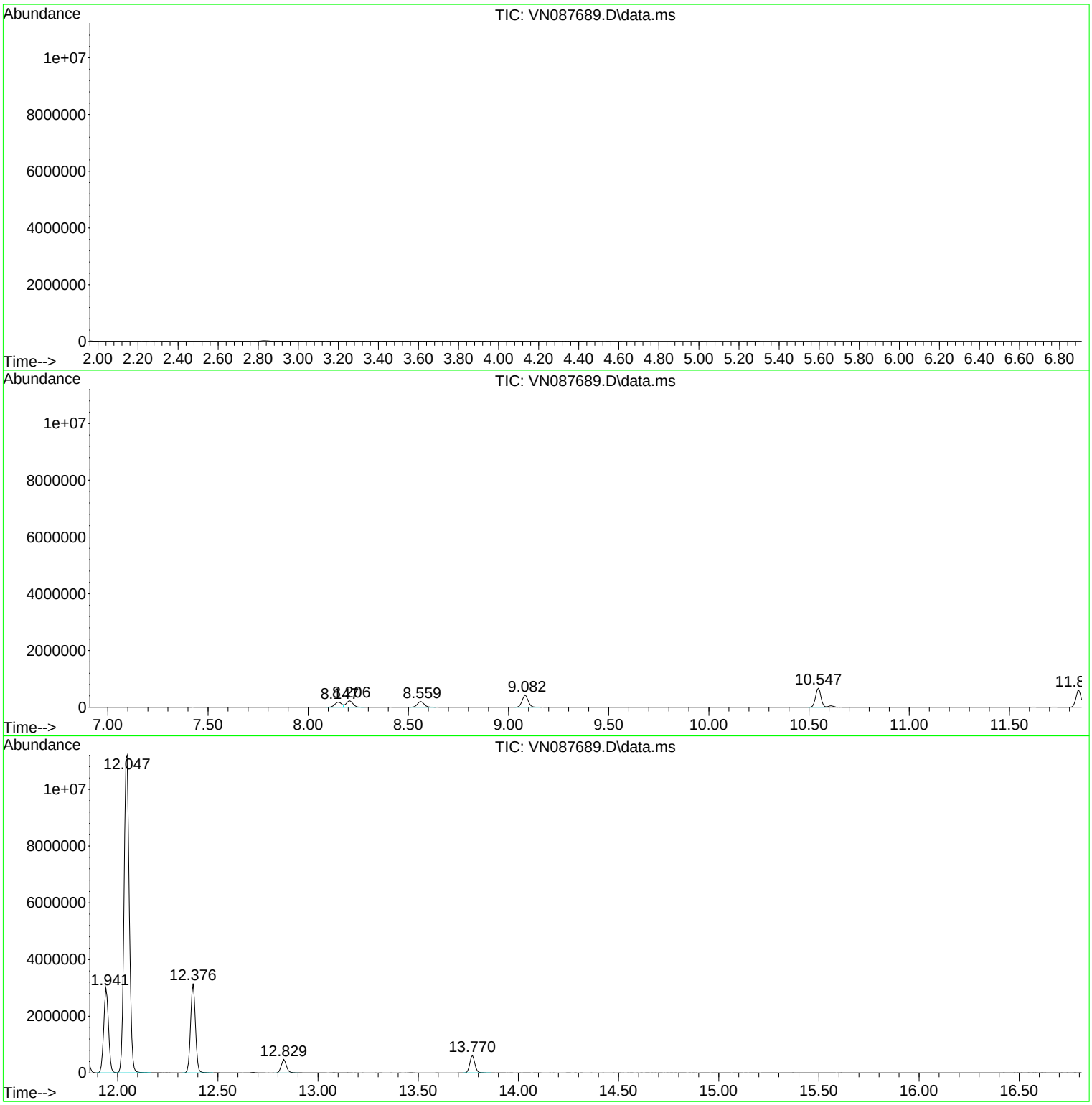
Sample Results: **VN087689.D**

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

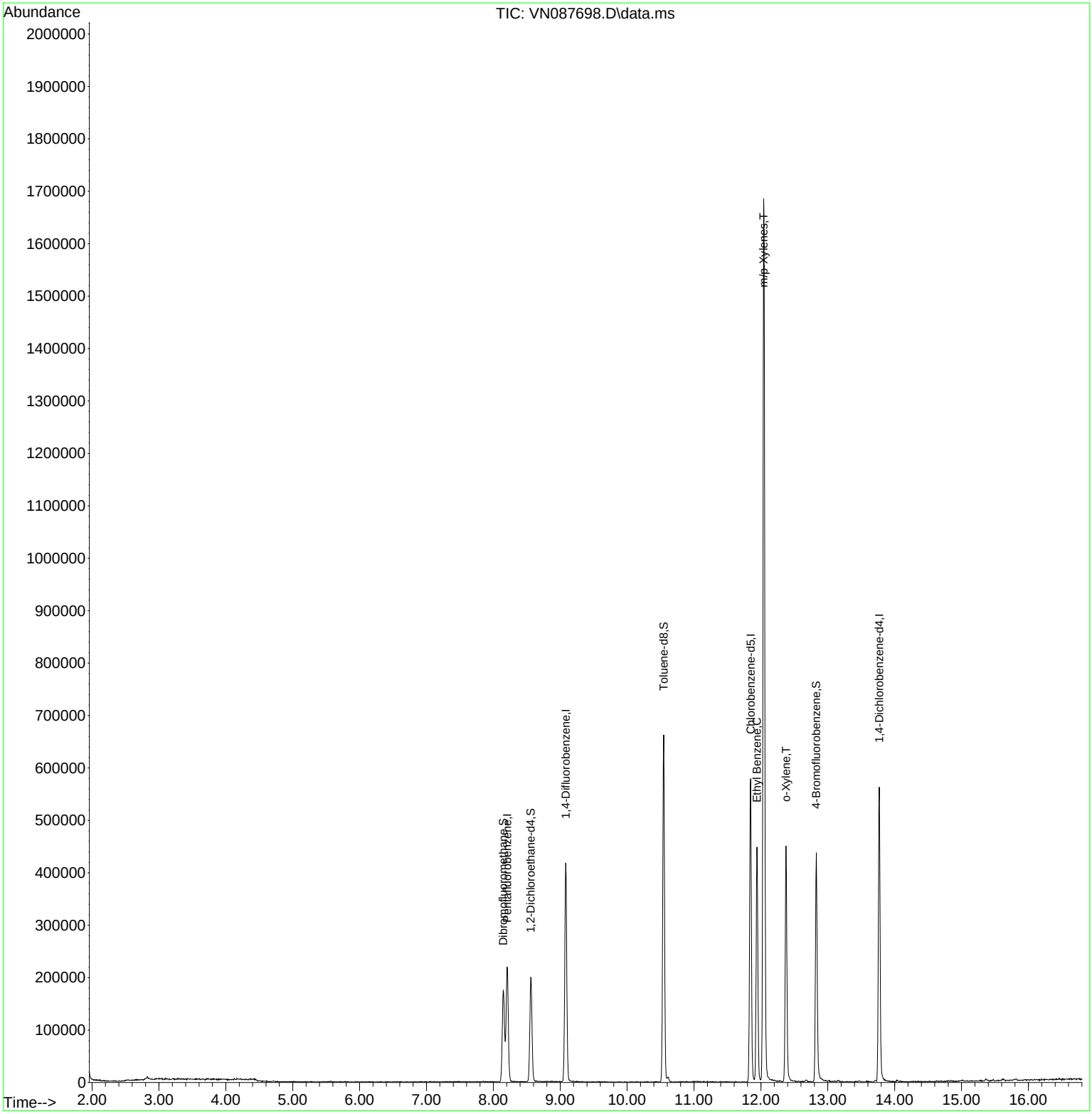
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	144470	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	341905	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	313398	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	145966	50.000	ug/l	0.00
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

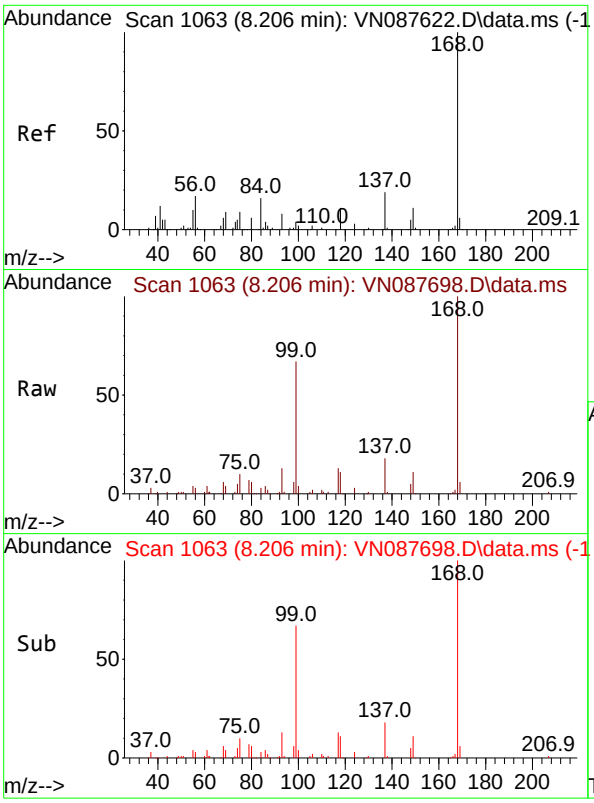
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



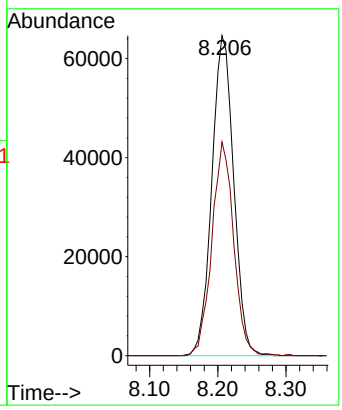


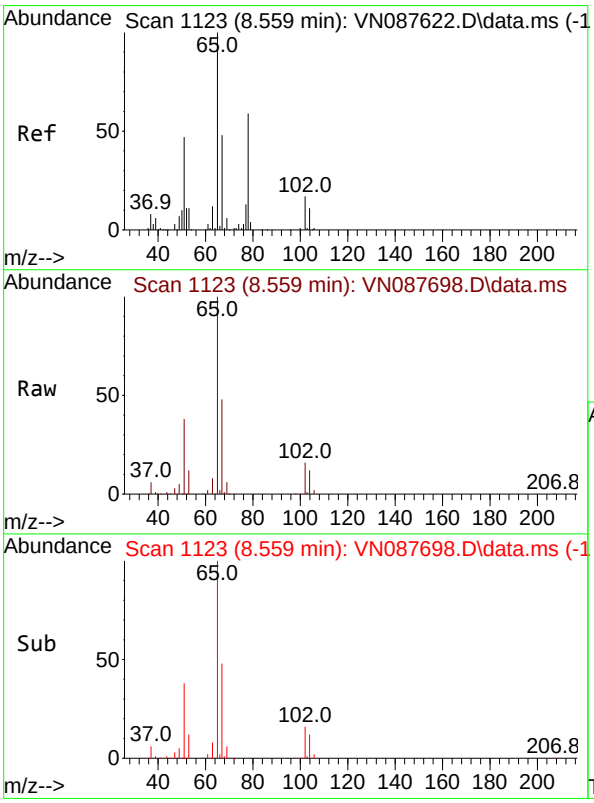
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:168 Resp: 144470

Ion	Ratio	Lower	Upper
168	100		
99	66.8	57.2	85.8

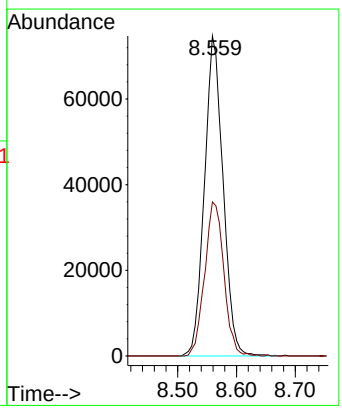


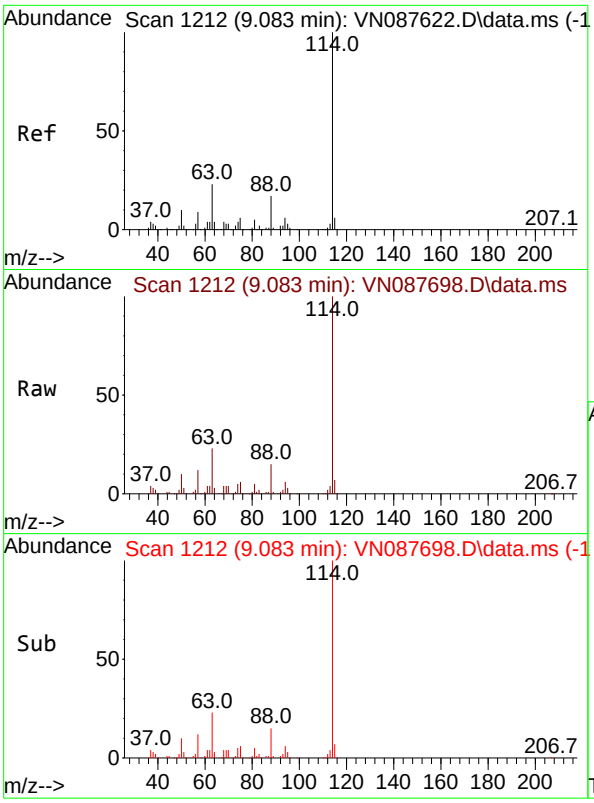


#33
1,2-Dichloroethane-d4
Concen: 55.548 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 65 Resp: 164424

Ion	Ratio	Lower	Upper
65	100		
67	49.6	0.0	100.0



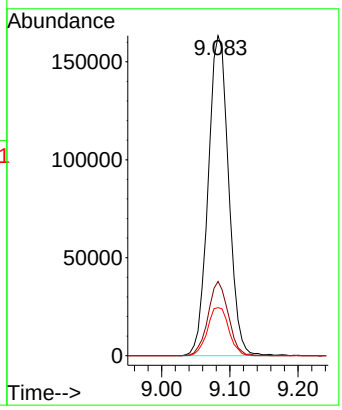


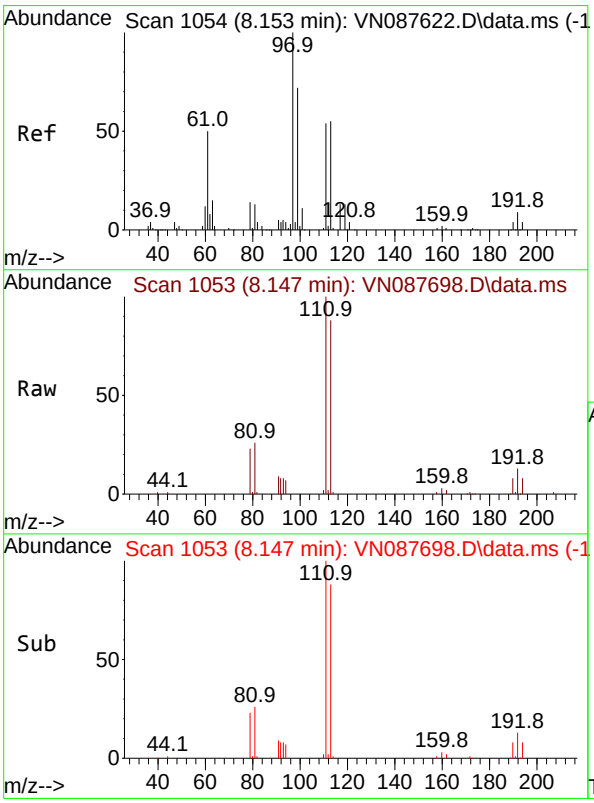
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.083 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

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

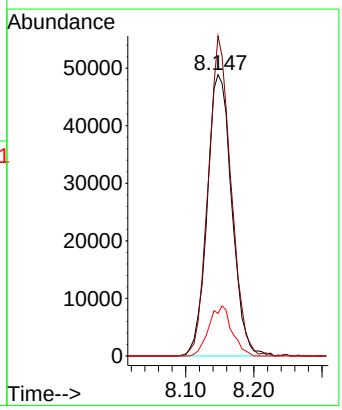


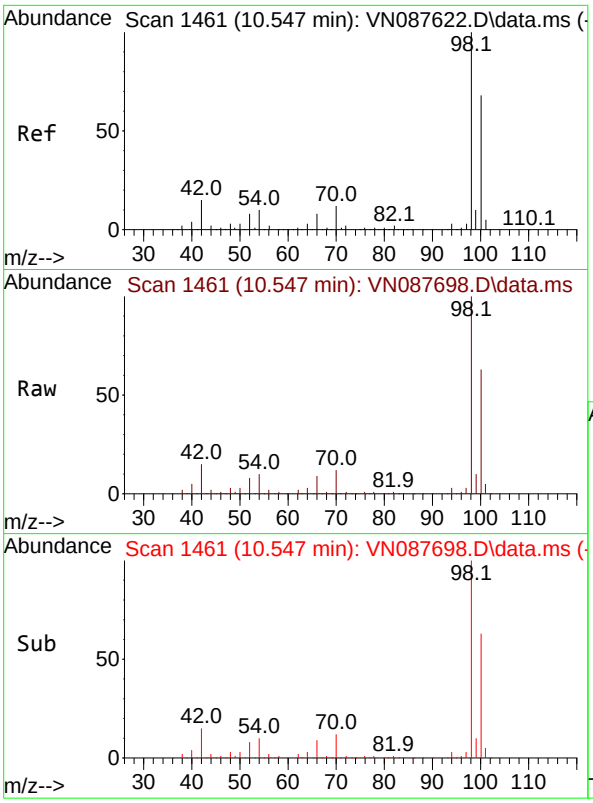


#35
Dibromofluoromethane
Concen: 49.658 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

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



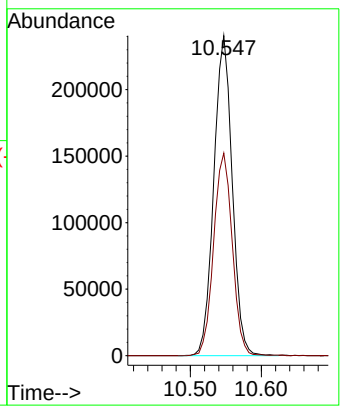


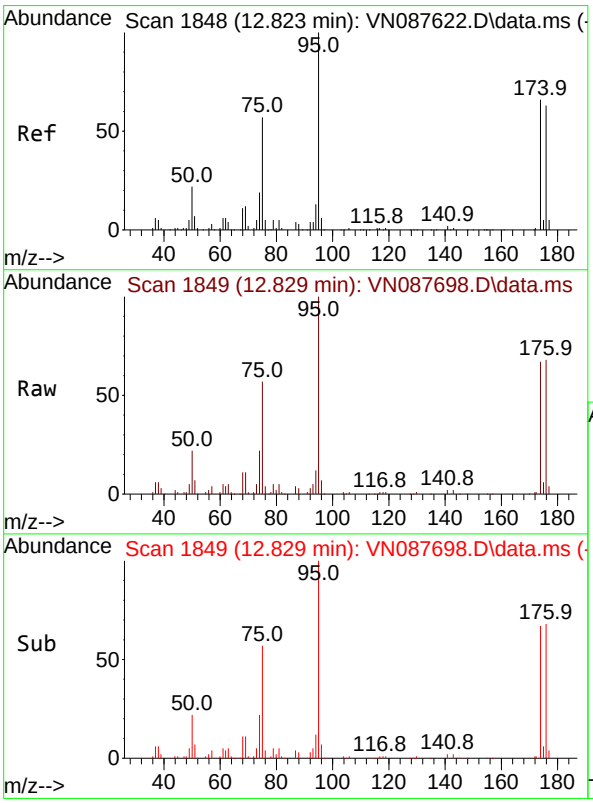
#50
Toluene-d8
Concen: 46.736 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion: 98 Resp: 431806

Ion	Ratio	Lower	Upper
98	100		
100	63.9	52.8	79.2

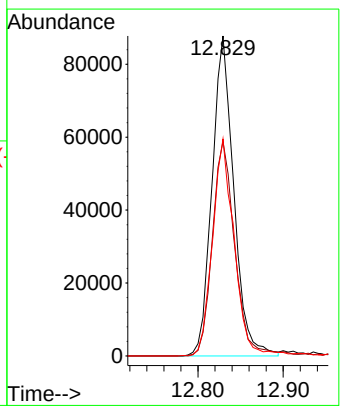


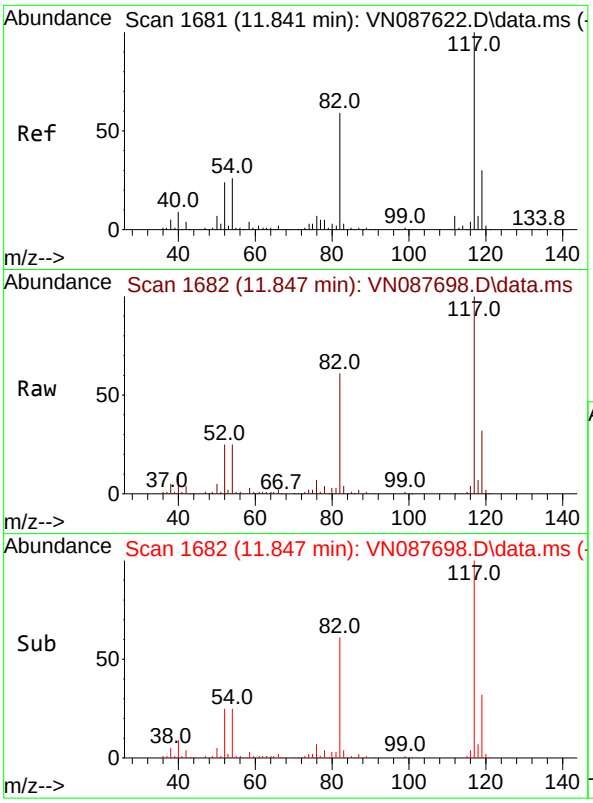


#62
4-Bromofluorobenzene
Concen: 47.326 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

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



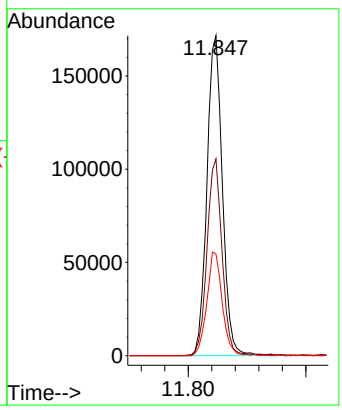


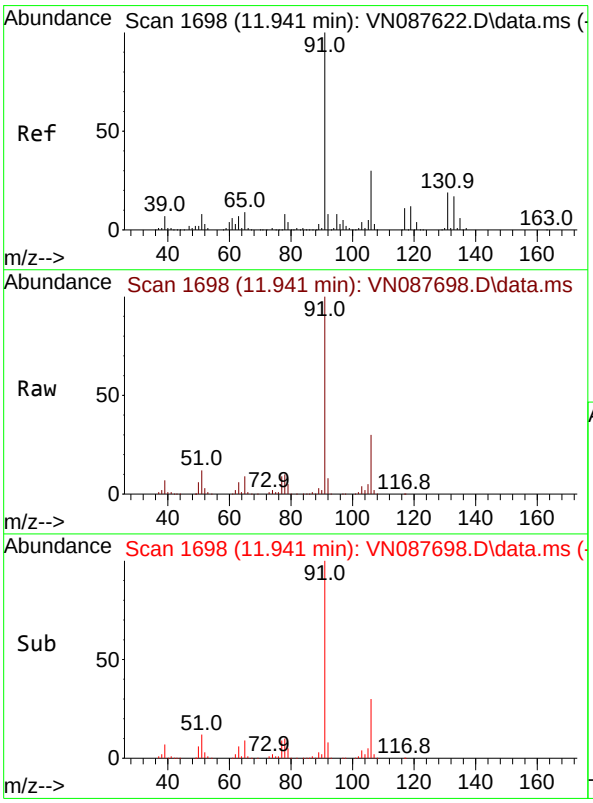
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

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

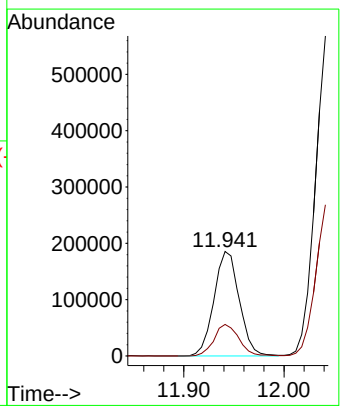


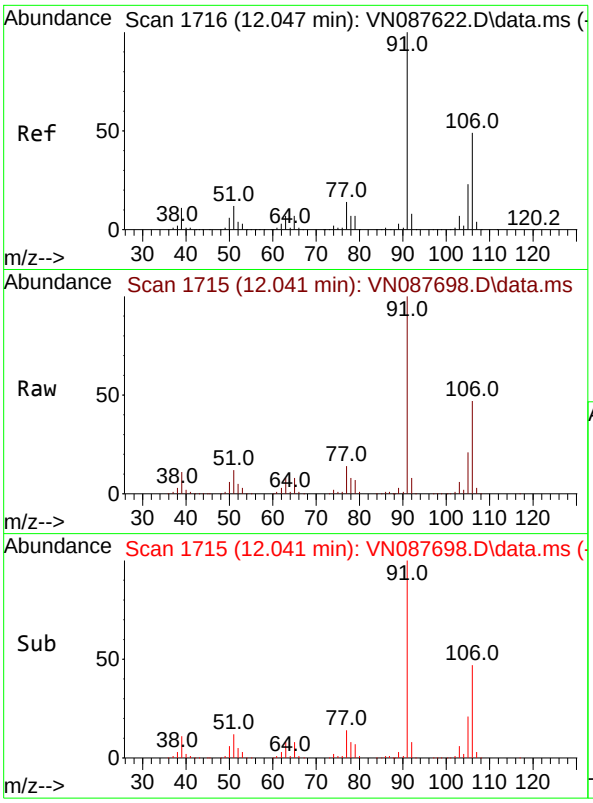


#67
Ethyl Benzene
Concen: 24.033 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion: 91 Resp: 324437

Ion	Ratio	Lower	Upper
91	100		
106	30.2	24.1	36.1



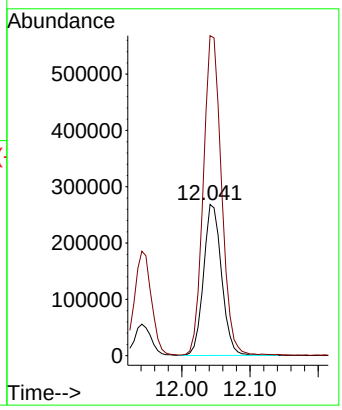


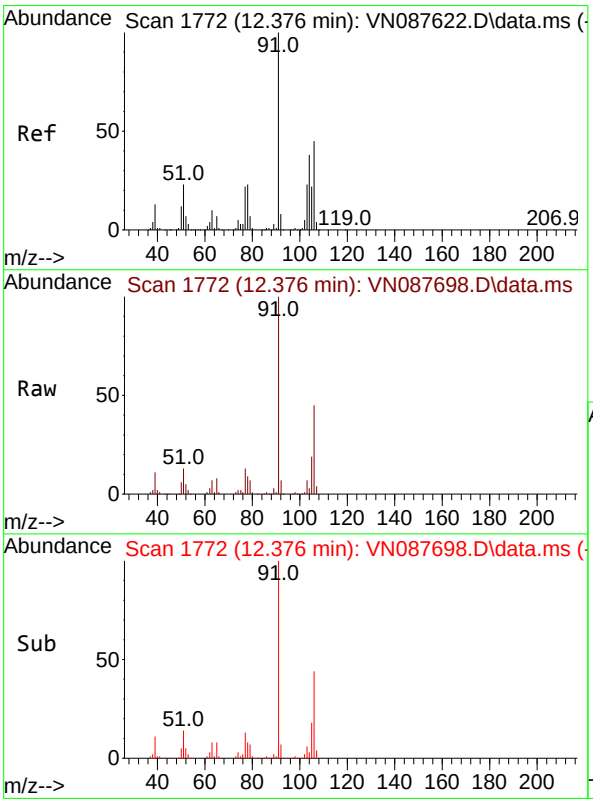
#68
m/p-Xylenes
Concen: 99.643 ug/l
RT: 12.041 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Instrument :
MSVOA_N
ClientSampleId :
RPXY1RDL

Tgt Ion:106 Resp: 493325

Ion	Ratio	Lower	Upper
106	100		
91	213.1	169.3	253.9

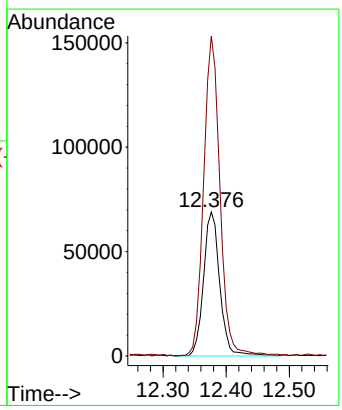


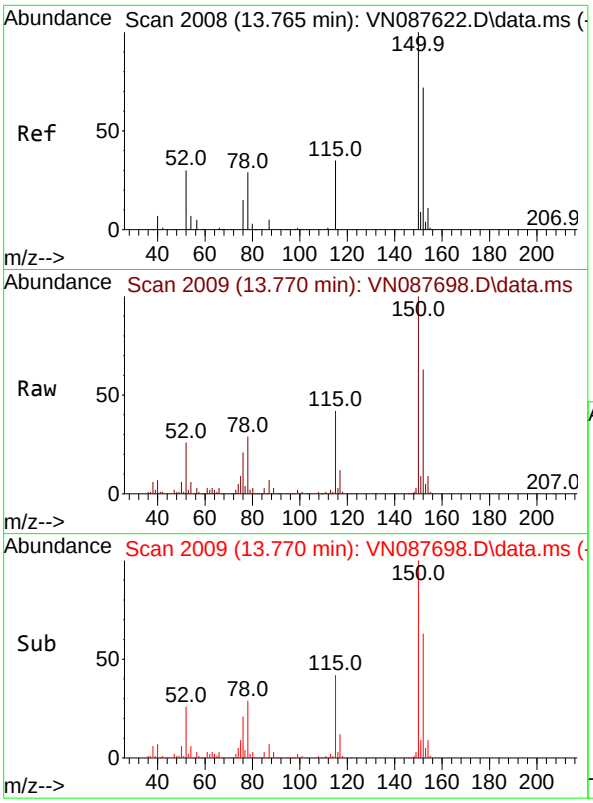


#69
o-Xylene
Concen: 25.437 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. -0.000 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

Tgt Ion:106 Resp: 123419

Ion	Ratio	Lower	Upper
106	100		
91	222.6	111.4	334.2



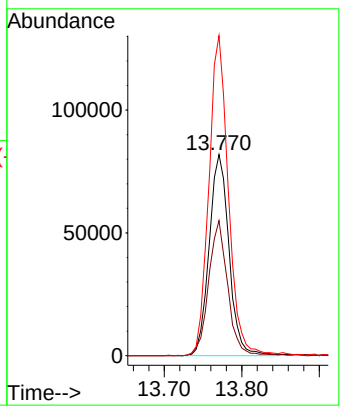


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2
Delta R.T. 0.006 min
Lab File: VN087698.D
Acq: 29 Aug 2025 14:18

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

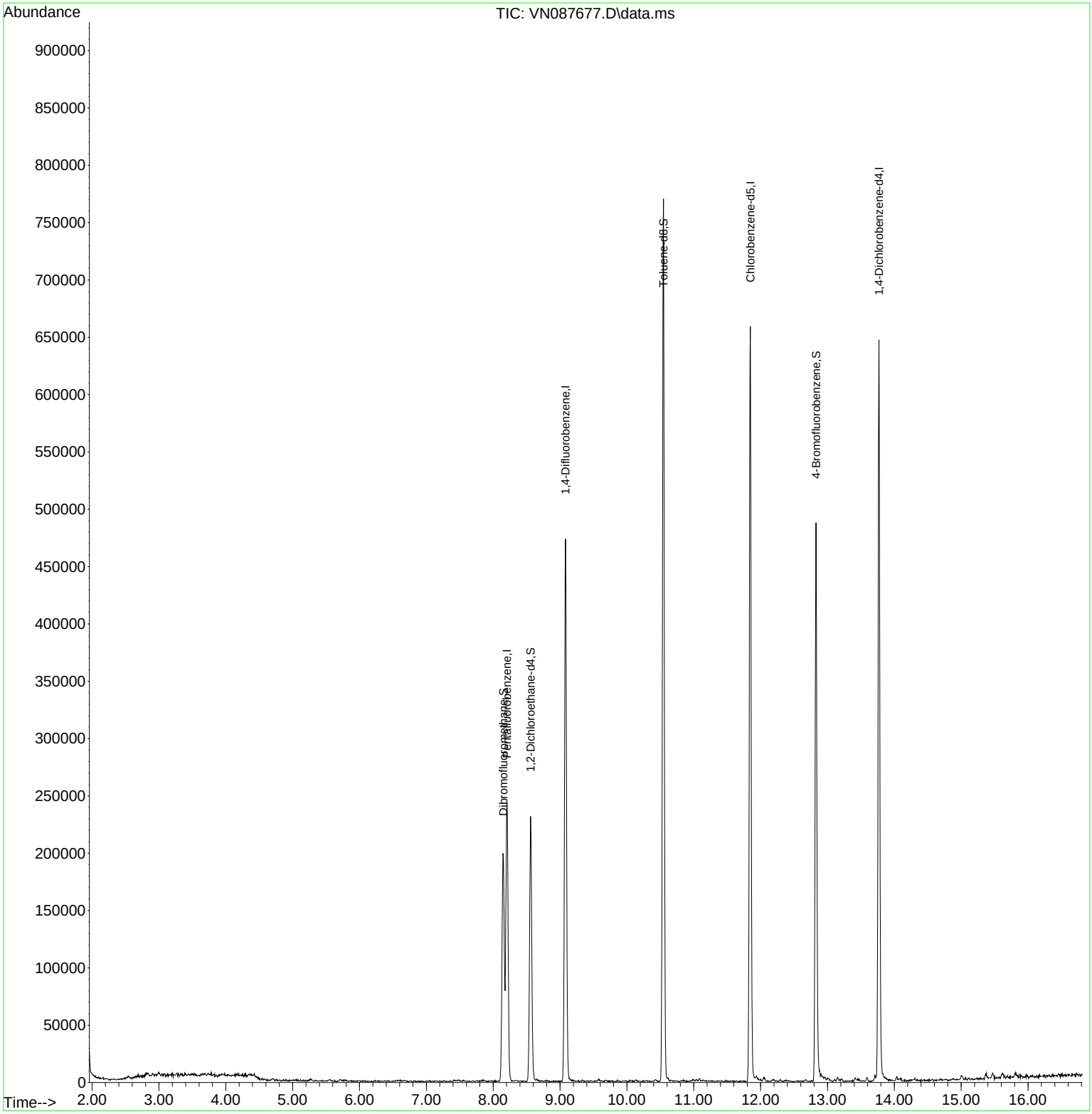
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	165959	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	389198	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	354647	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	163207	50.000	ug/l	0.00
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

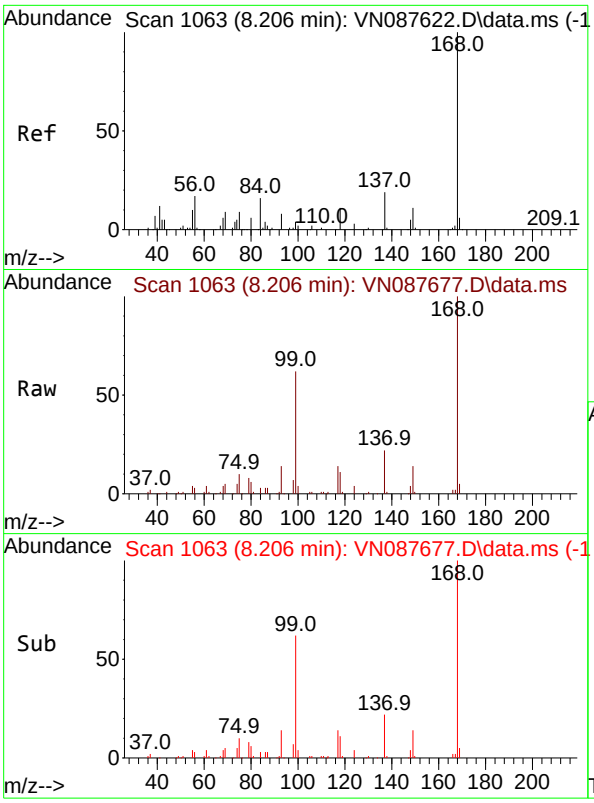
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



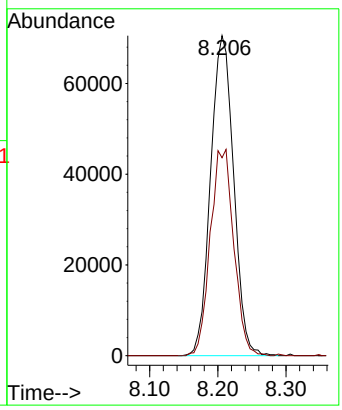


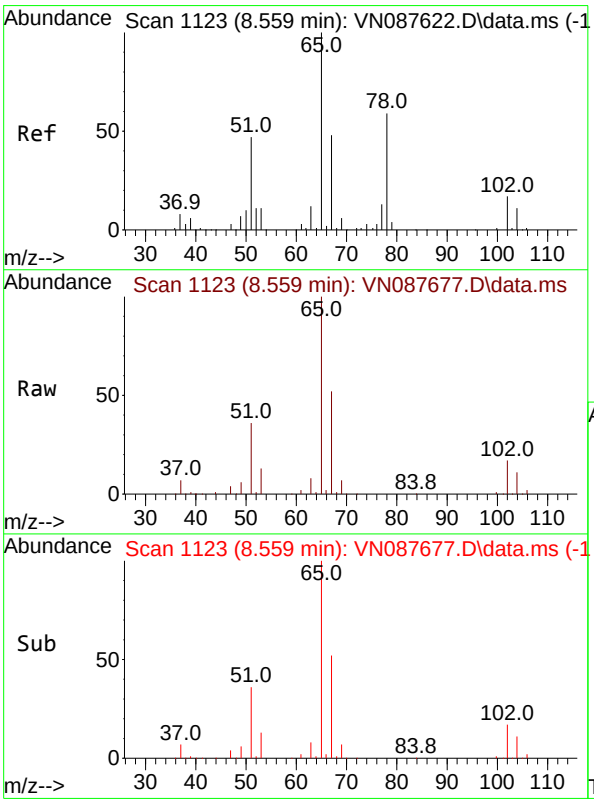
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion:168 Resp: 165959

Ion	Ratio	Lower	Upper
168	100		
99	61.8	57.2	85.8

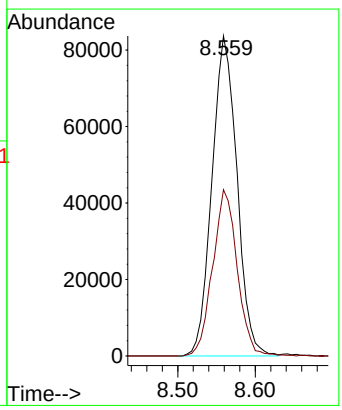


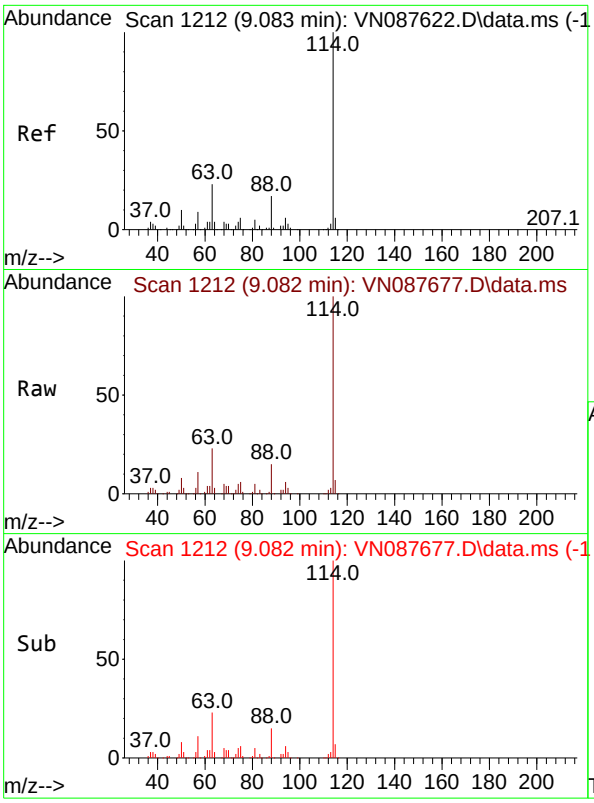


#33
1,2-Dichloroethane-d4
Concen: 55.211 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Tgt Ion: 65 Resp: 187733

Ion	Ratio	Lower	Upper
65	100		
67	51.0	0.0	100.0



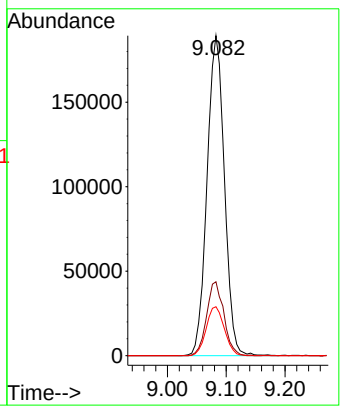


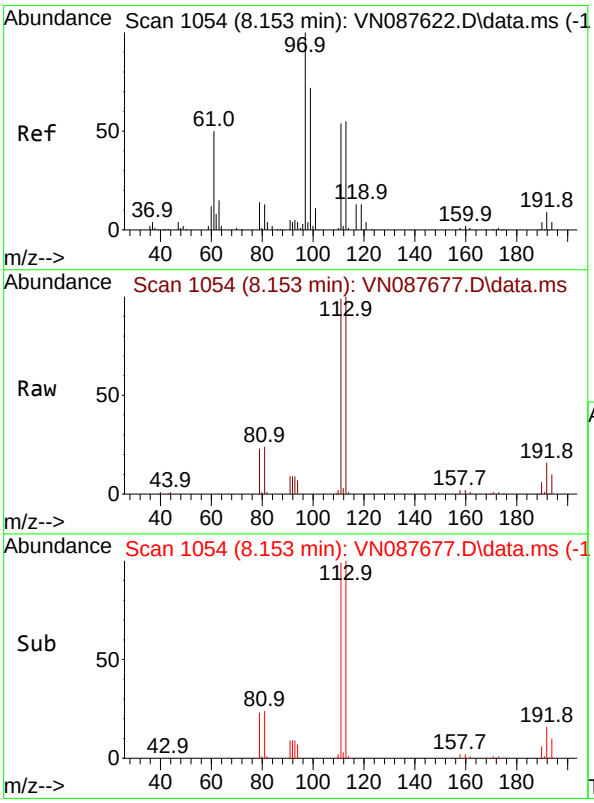
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

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

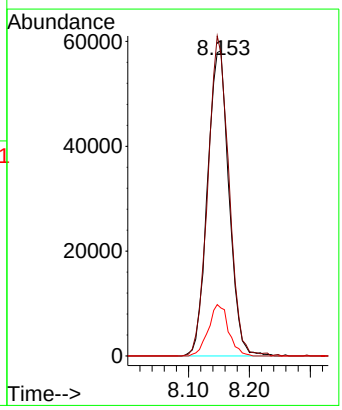


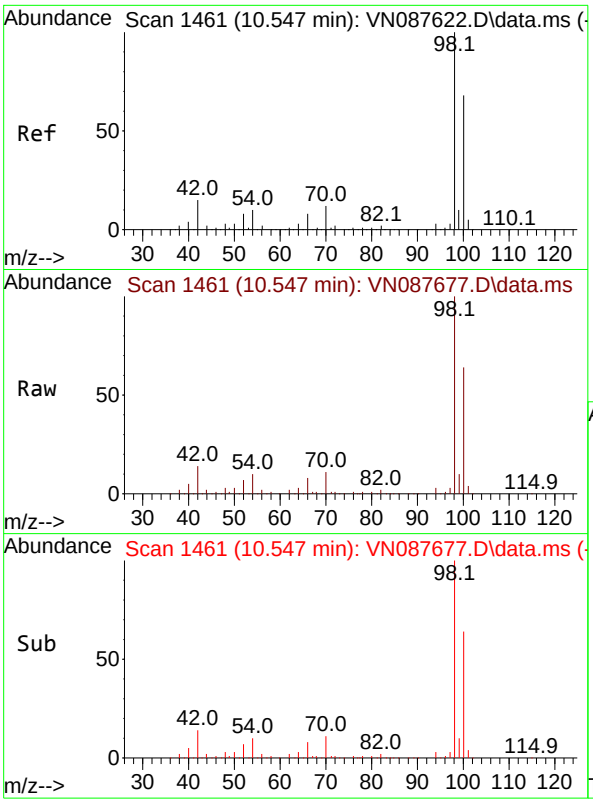


#35
Dibromofluoromethane
Concen: 50.654 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

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



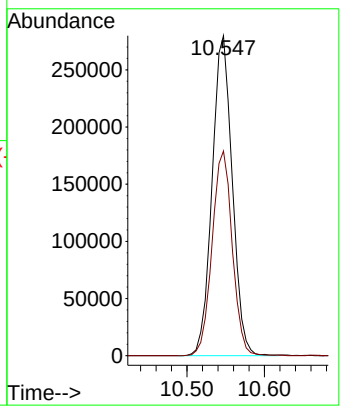


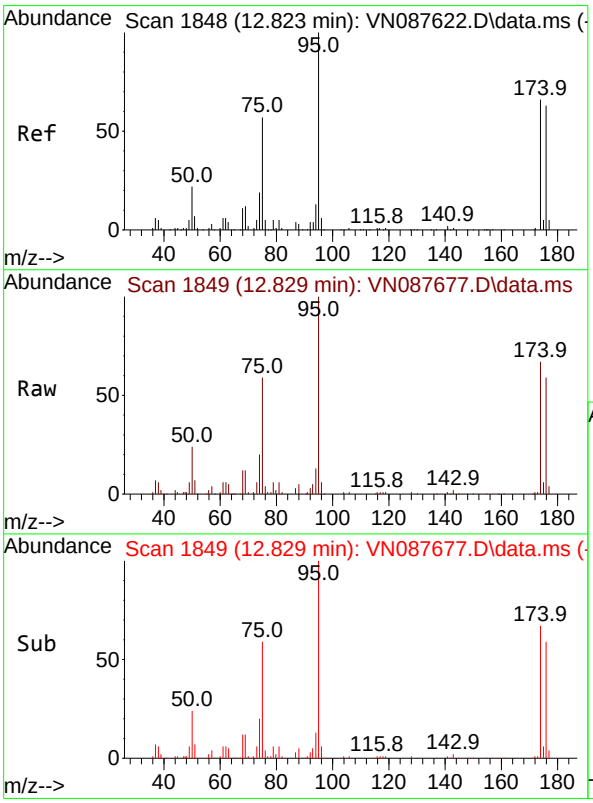
#50
Toluene-d8
Concen: 48.076 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

Instrument :
MSVOA_N
ClientSampleId :
VN0828MBL01

Tgt Ion: 98 Resp: 505630

Ion	Ratio	Lower	Upper
98	100		
100	64.0	52.8	79.2

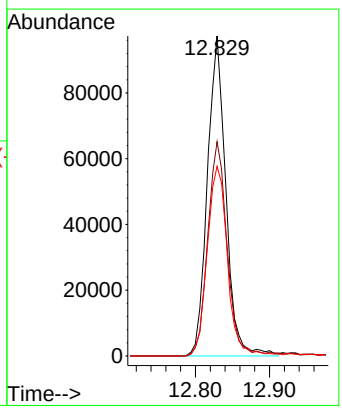


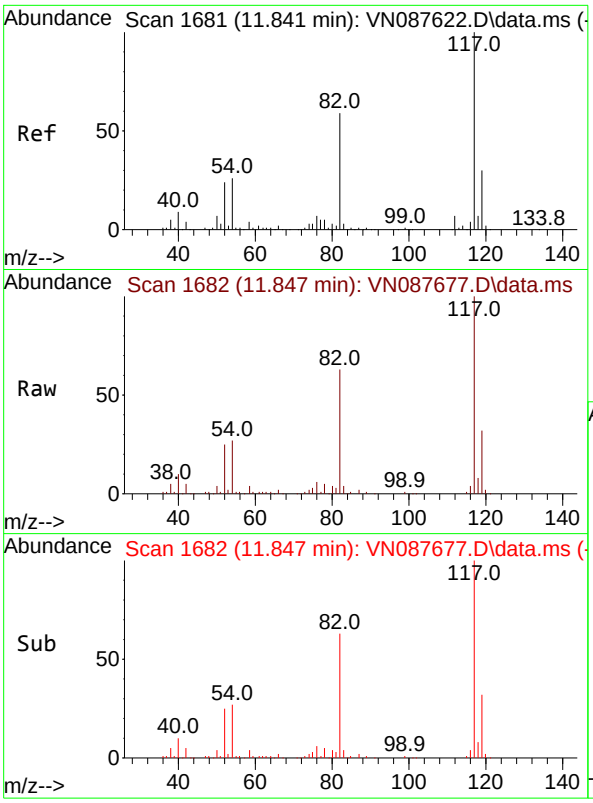


#62
4-Bromofluorobenzene
Concen: 45.116 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

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



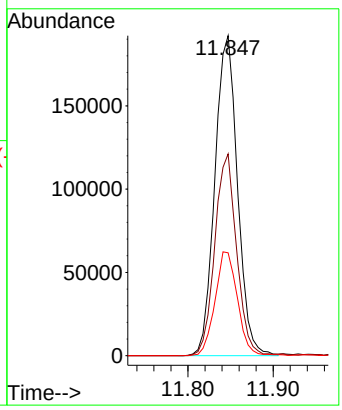


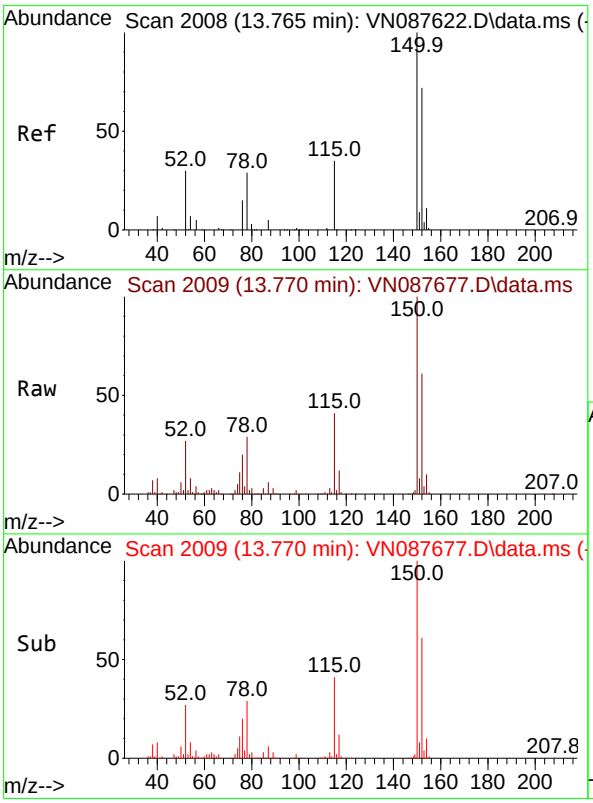
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

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

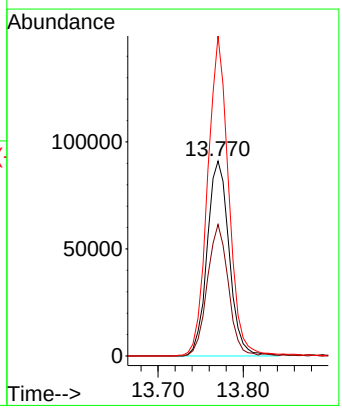




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087677.D
Acq: 28 Aug 2025 12:09

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

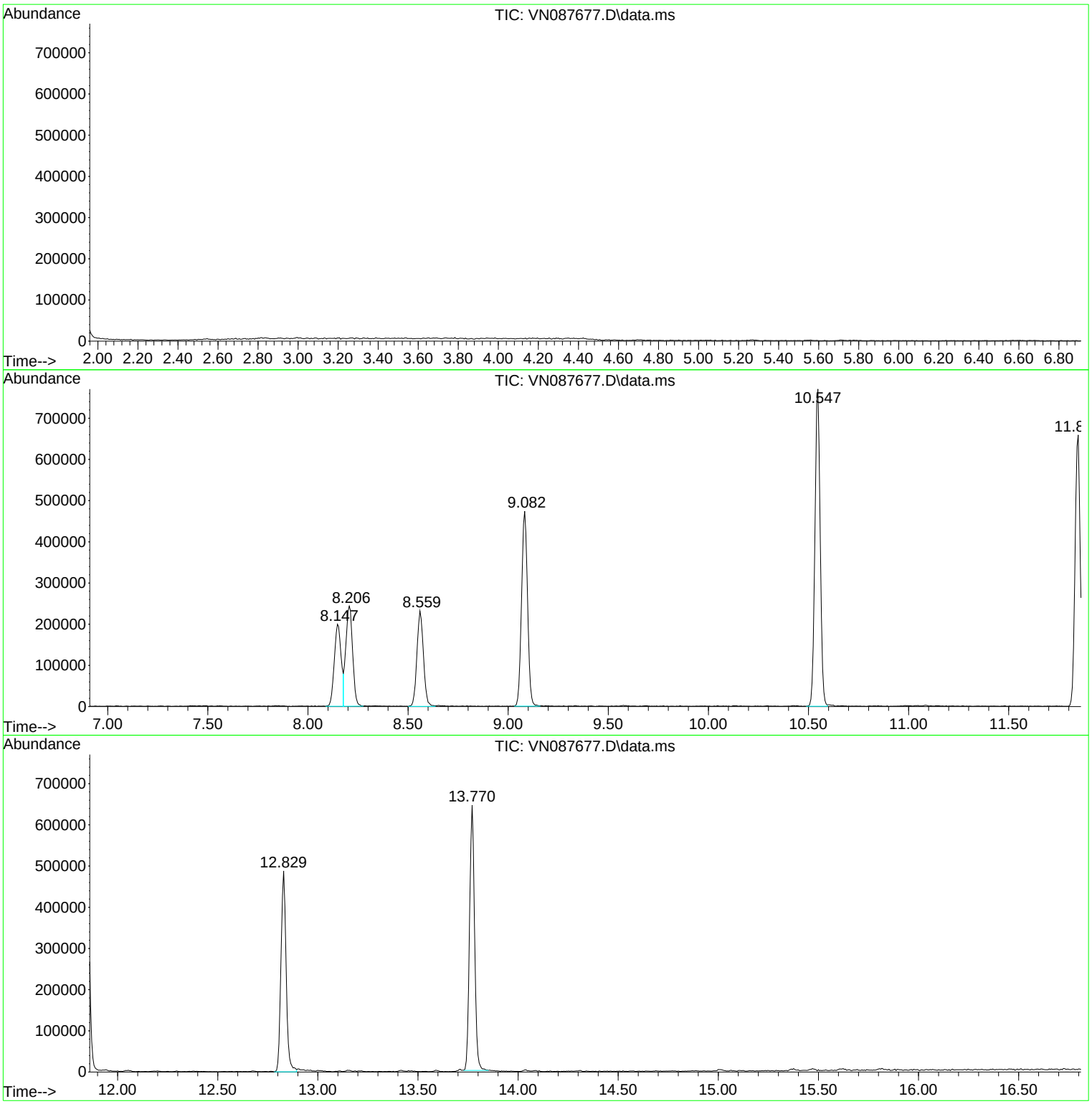
Sample Results: **VN087677.D**

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

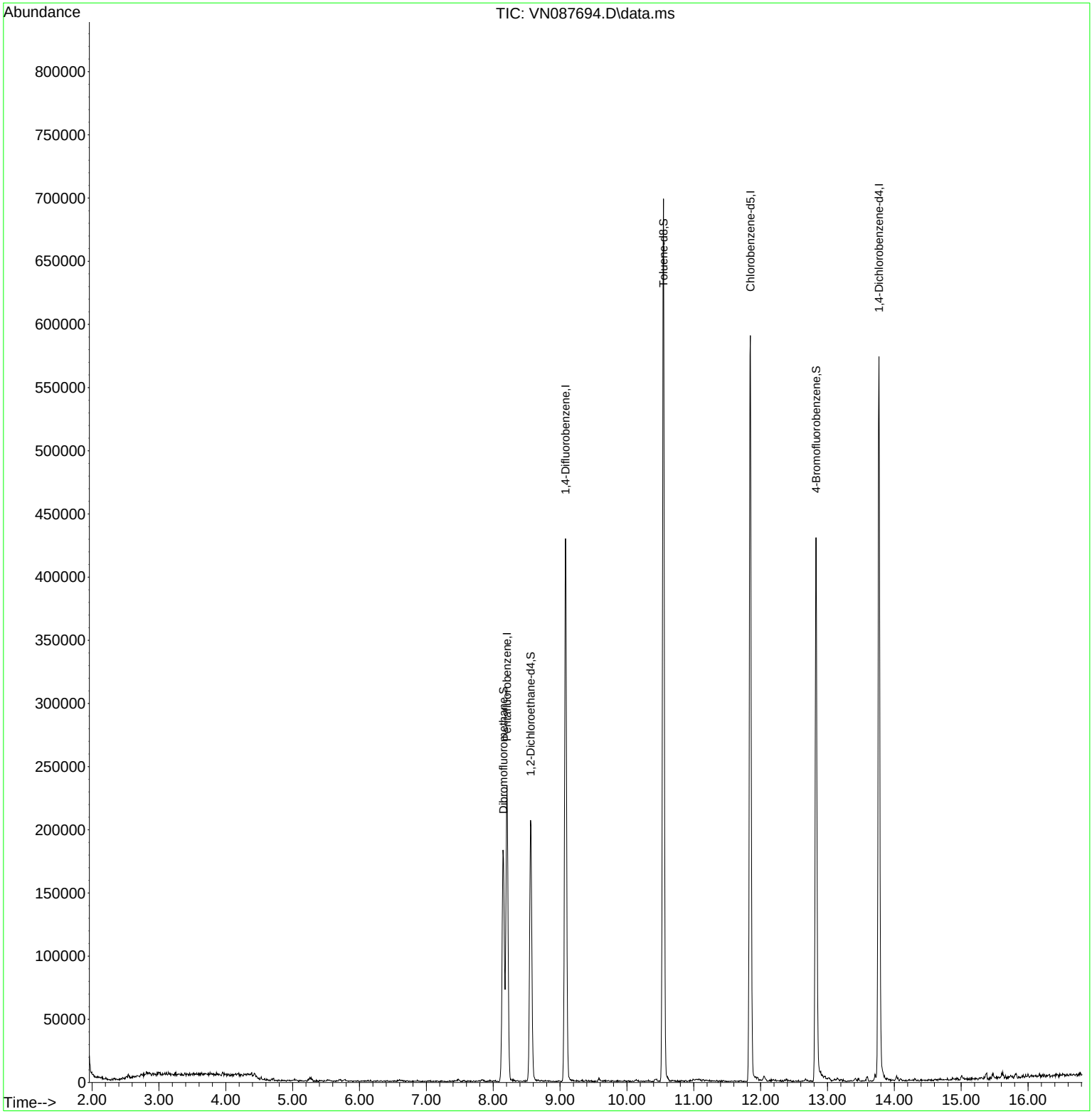
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.206	168	149197	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	346944	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.847	117	324171	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	144779	50.000	ug/l	0.00
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

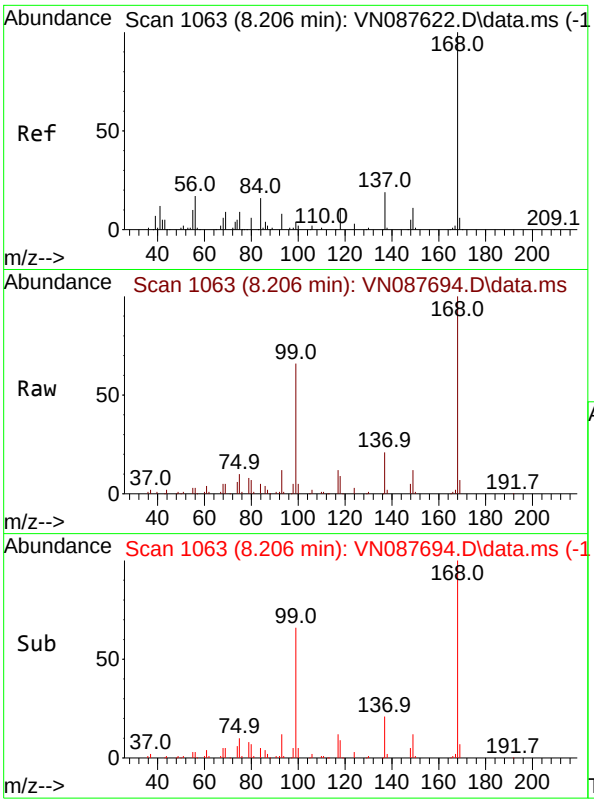
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



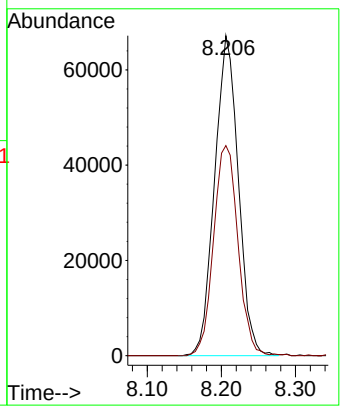


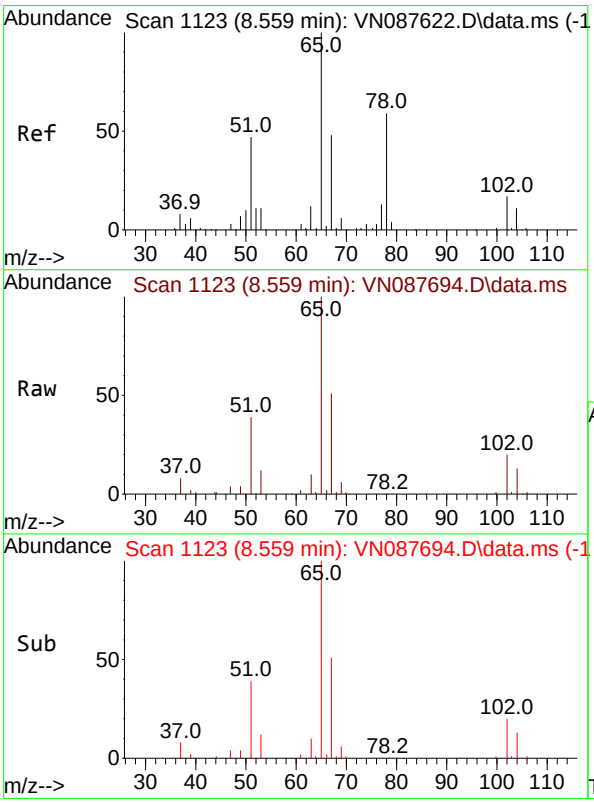
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion:168 Resp: 149197

Ion	Ratio	Lower	Upper
168	100		
99	65.7	57.2	85.8

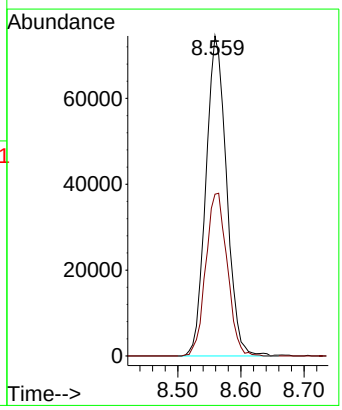


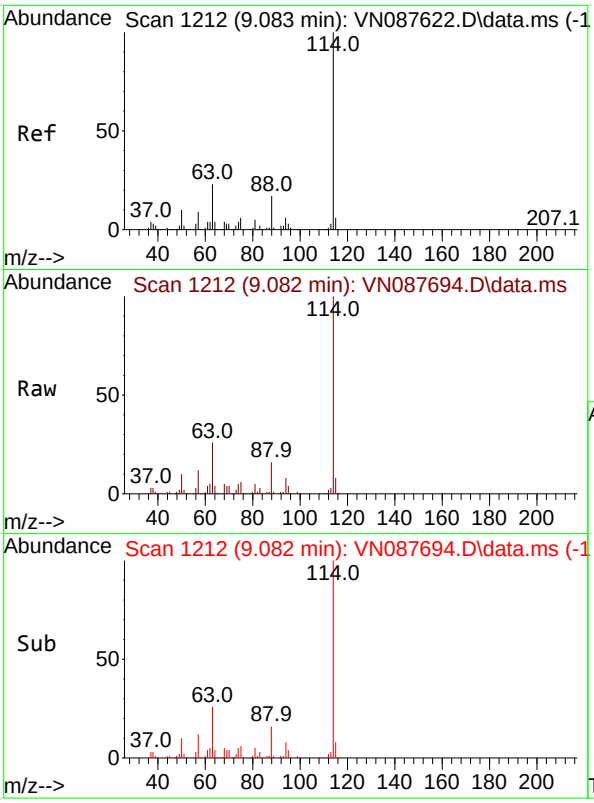


#33
1,2-Dichloroethane-d4
Concen: 55.461 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Tgt Ion: 65 Resp: 169537

Ion	Ratio	Lower	Upper
65	100		
67	52.8	0.0	100.0



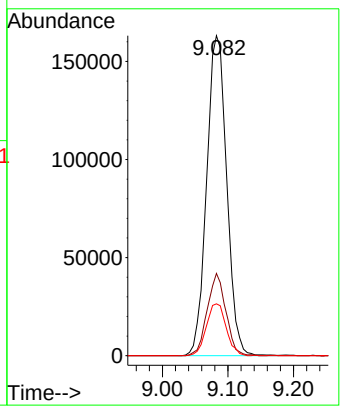


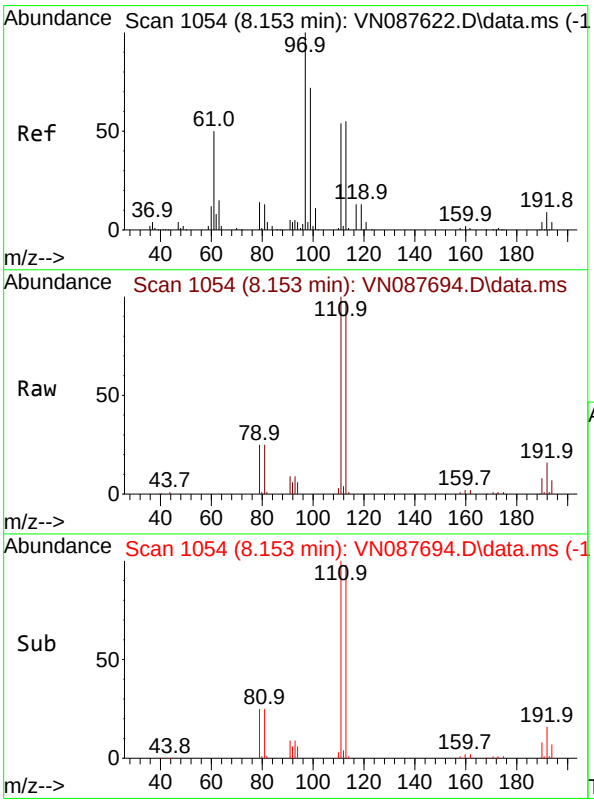
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

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

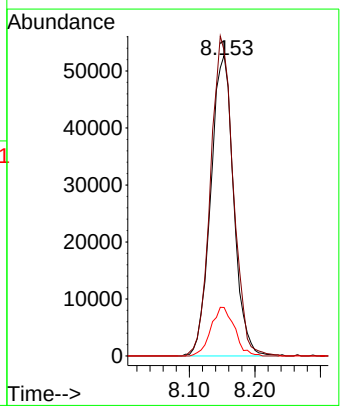


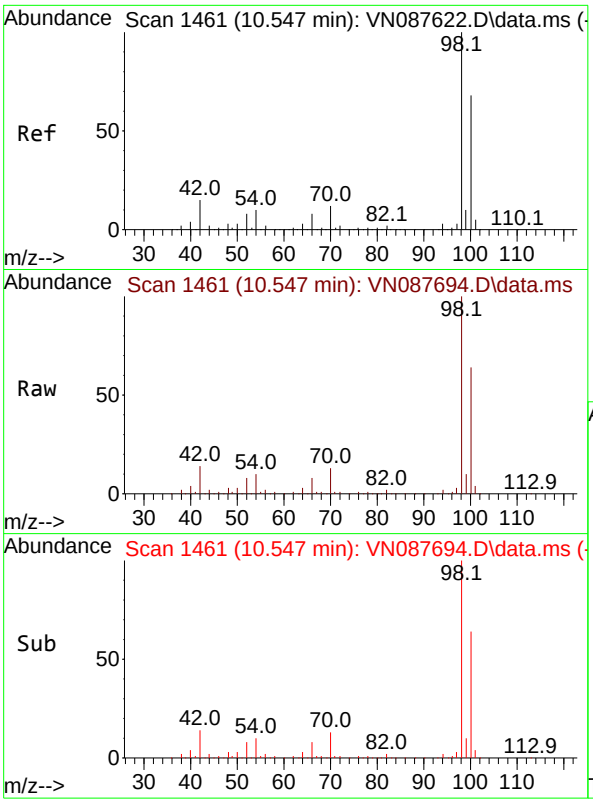


#35
Dibromofluoromethane
Concen: 50.935 ug/l
RT: 8.153 min Scan# 1054
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

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



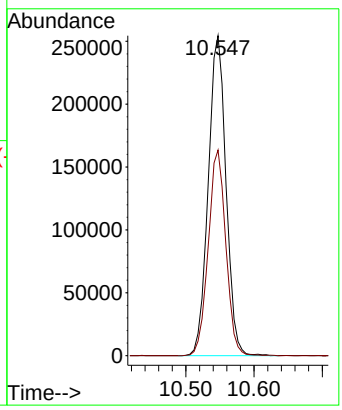


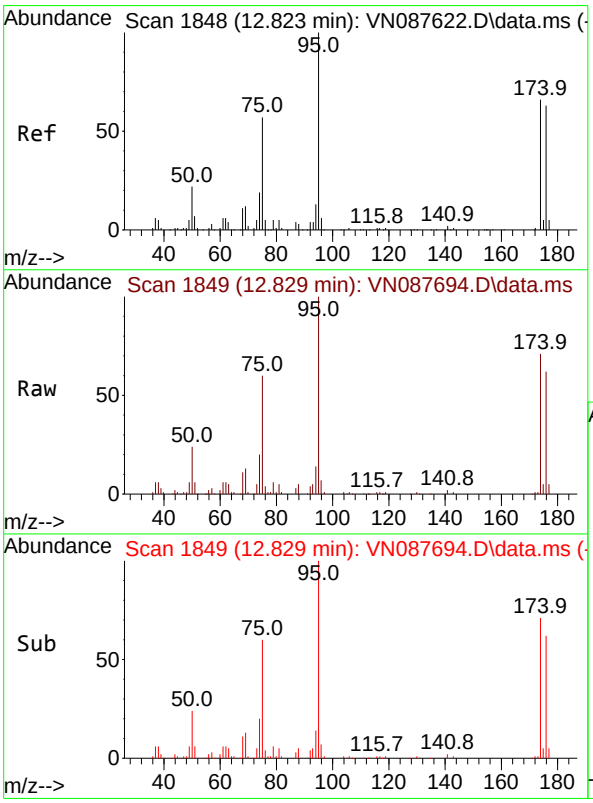
#50
Toluene-d8
Concen: 49.199 ug/l
RT: 10.547 min Scan# 14
Delta R.T. -0.000 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

Tgt Ion: 98 Resp: 461268

Ion	Ratio	Lower	Upper
98	100		
100	63.6	52.8	79.2

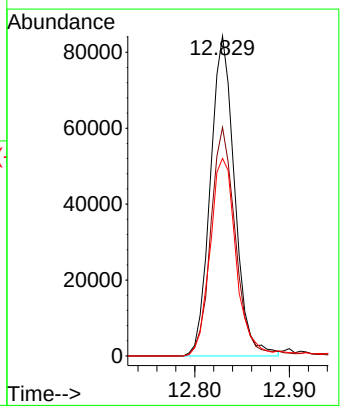


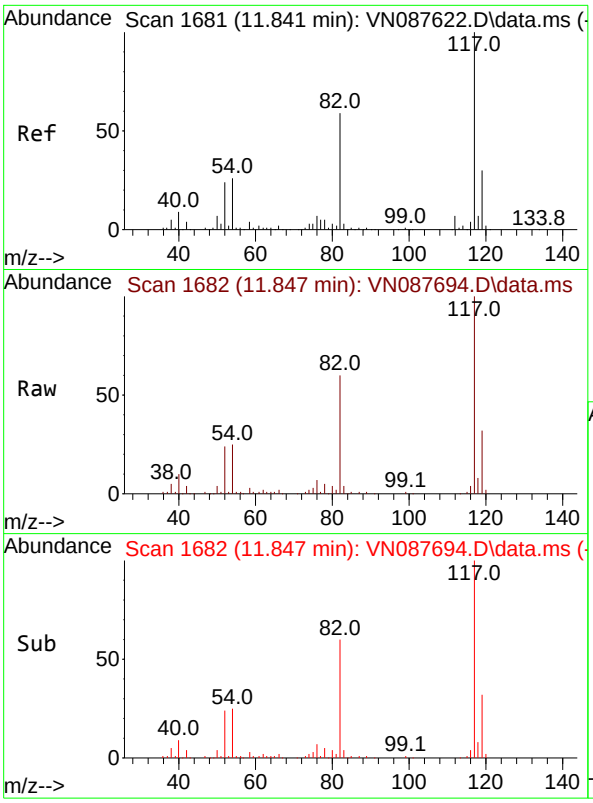


#62
4-Bromofluorobenzene
Concen: 44.917 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

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



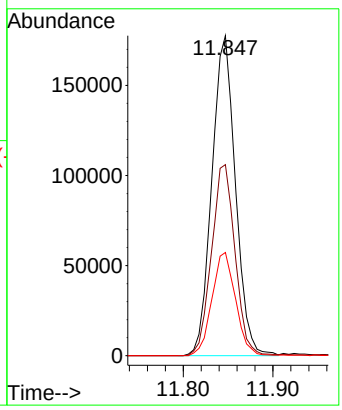


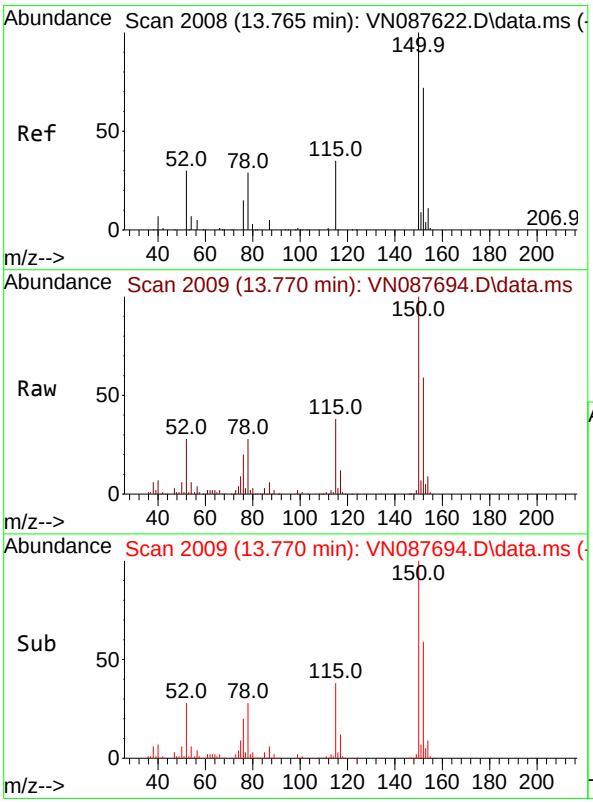
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.847 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

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

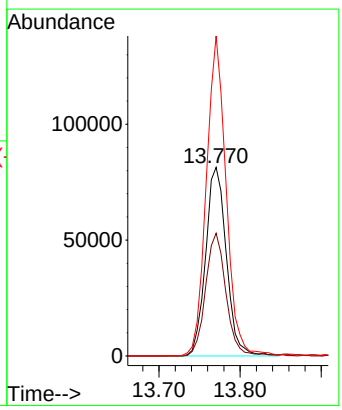




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.006 min
Lab File: VN087694.D
Acq: 29 Aug 2025 12:42

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

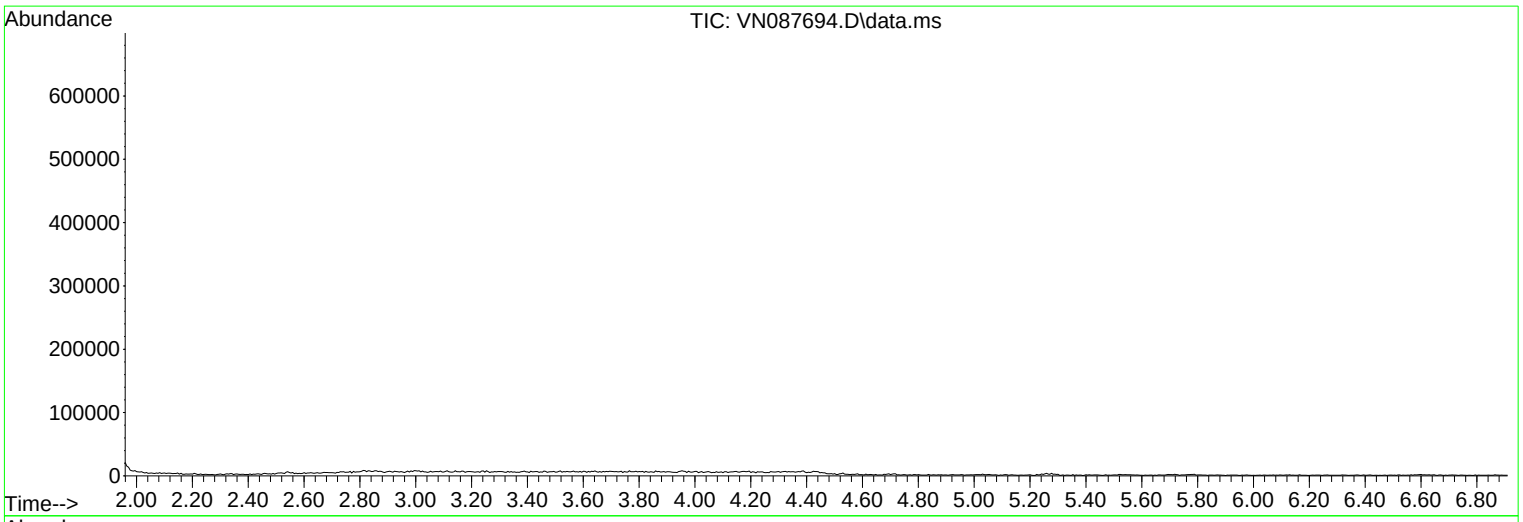
Sample Results: **VN087694.D**

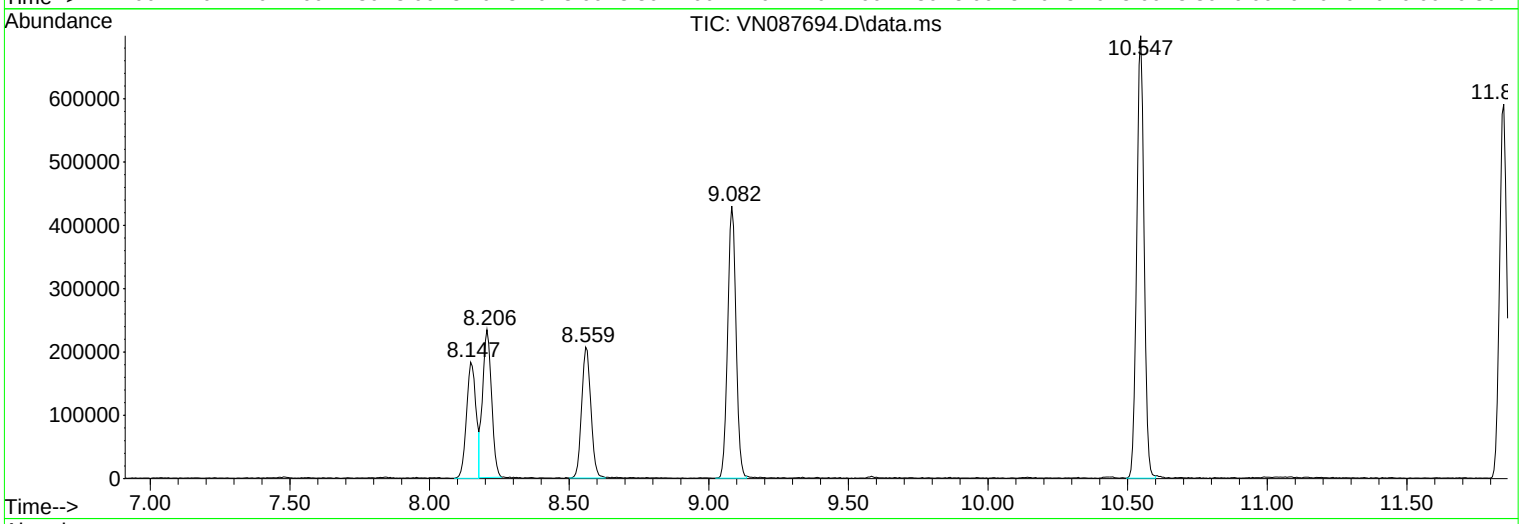
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087694.D
Acq On : 29 Aug 2025 12:42
Operator : JC\MD
Sample : VN0829MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 3 Sample Multiplier: 1

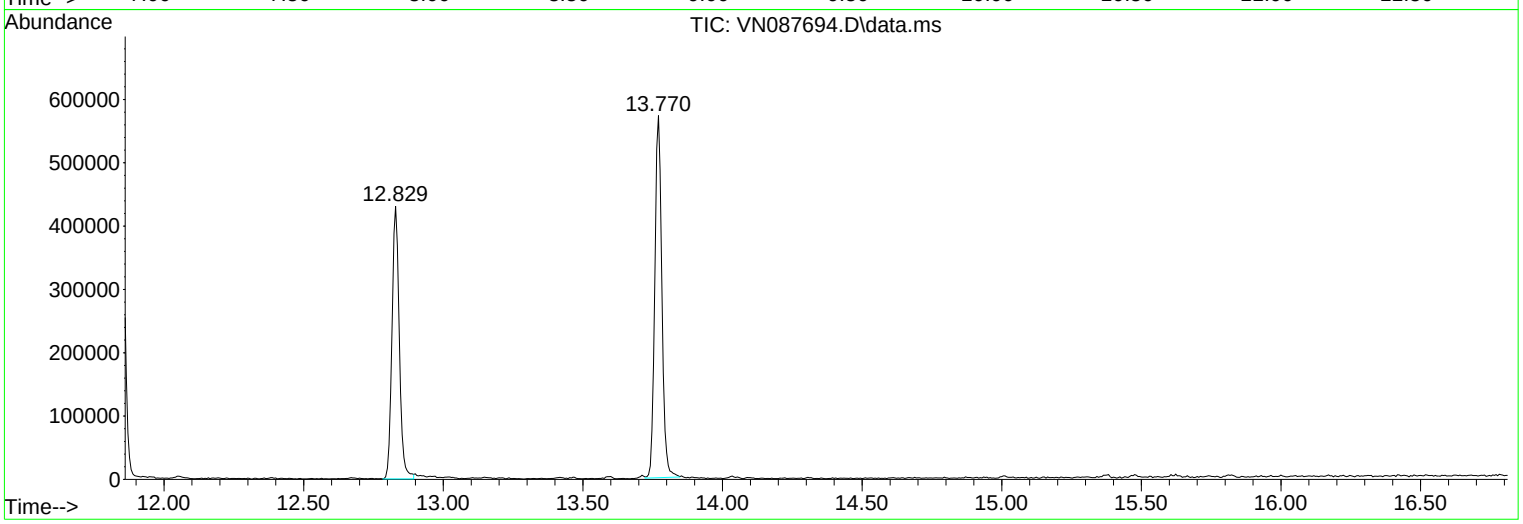
Instrument :
MSVOA_N
ClientSampleId :
VN0829MBL01

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%			

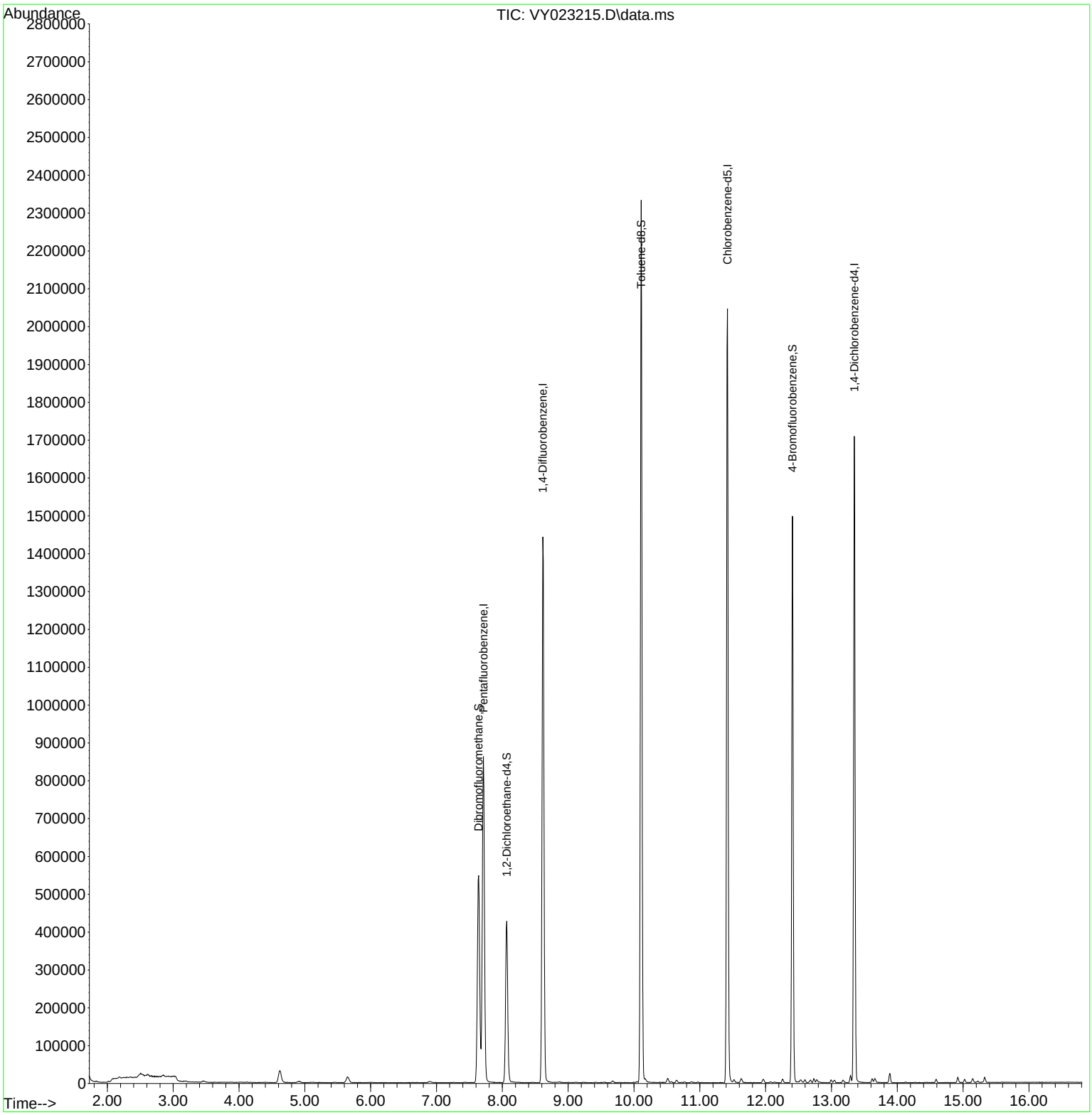
Target Compounds Qvalue

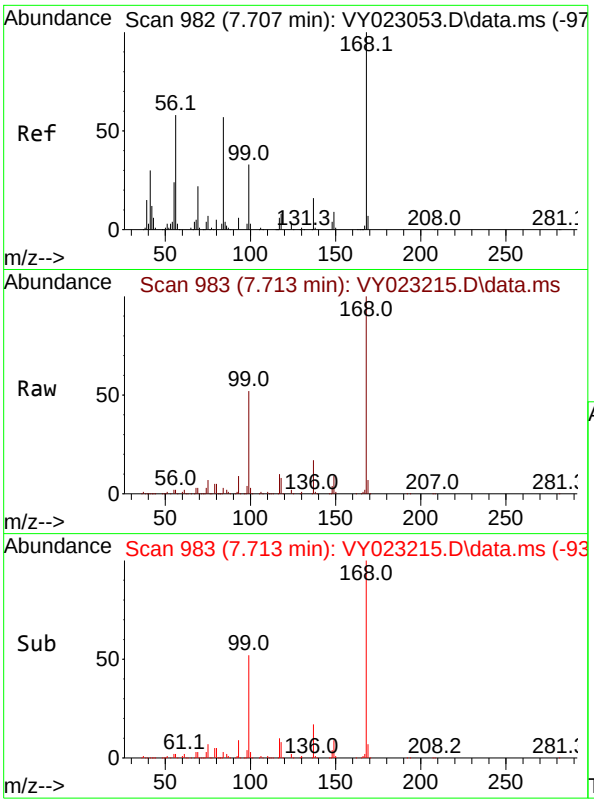
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



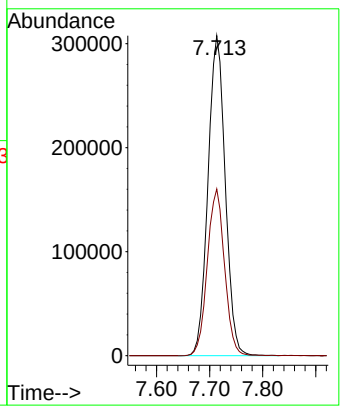


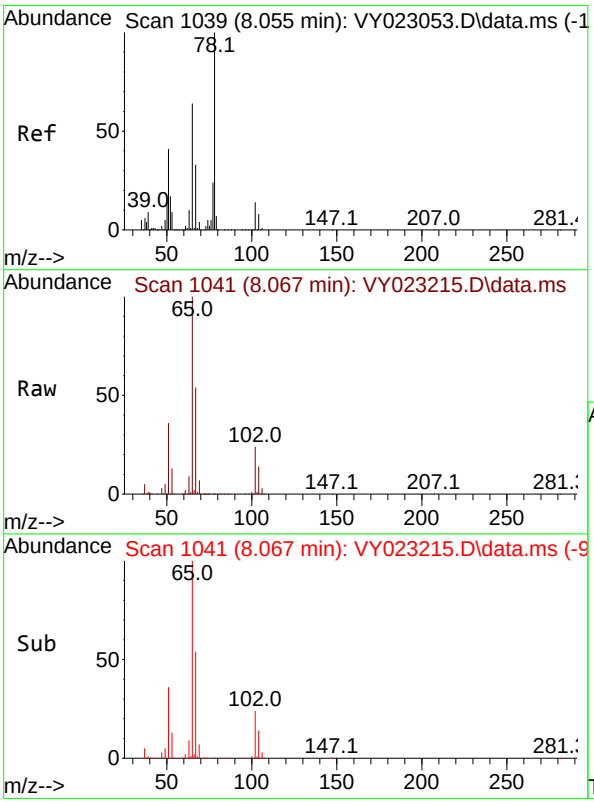
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 9
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion:168 Resp: 694700

Ion	Ratio	Lower	Upper
168	100		
99	52.1	42.8	64.2

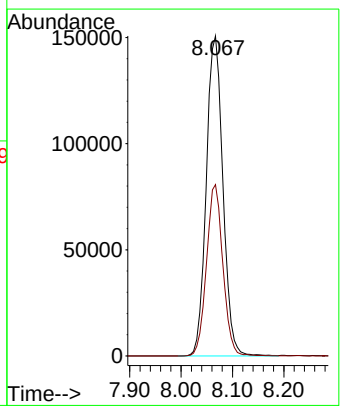


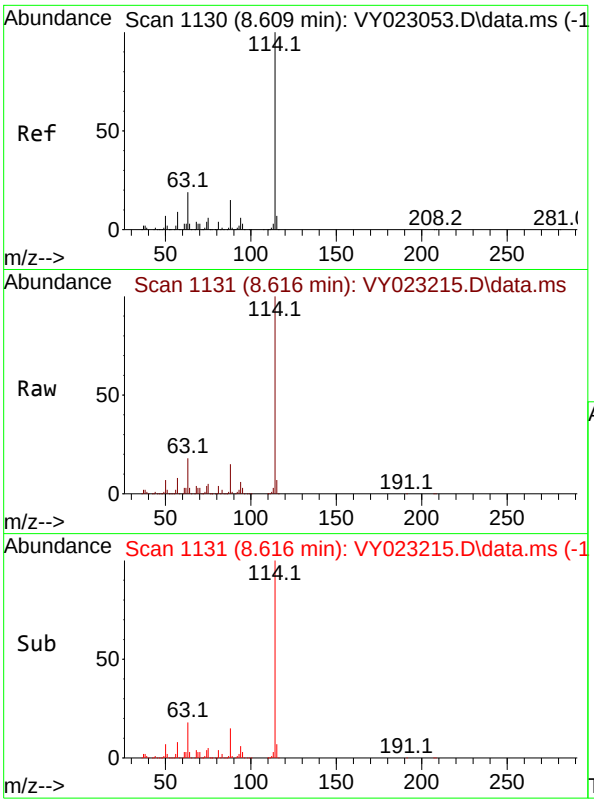


#33
1,2-Dichloroethane-d4
Concen: 51.103 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Tgt Ion: 65 Resp: 338350

Ion	Ratio	Lower	Upper
65	100		
67	52.7	0.0	106.8



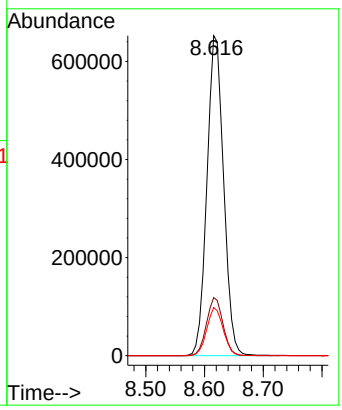


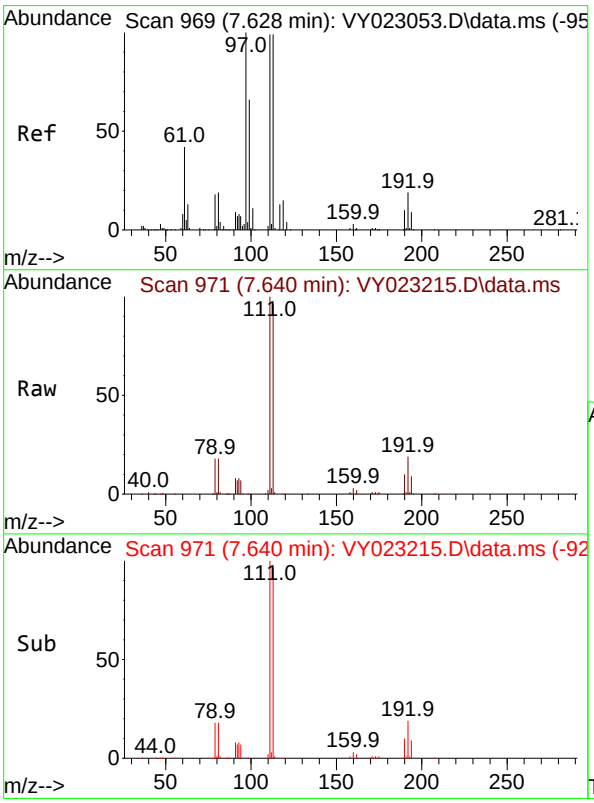
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.616 min Scan# 11
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

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

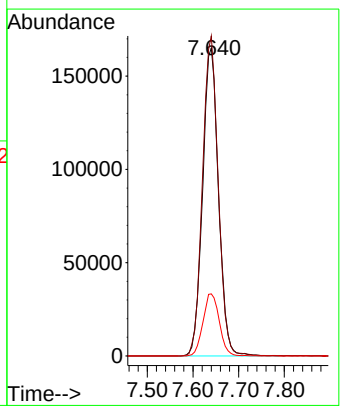


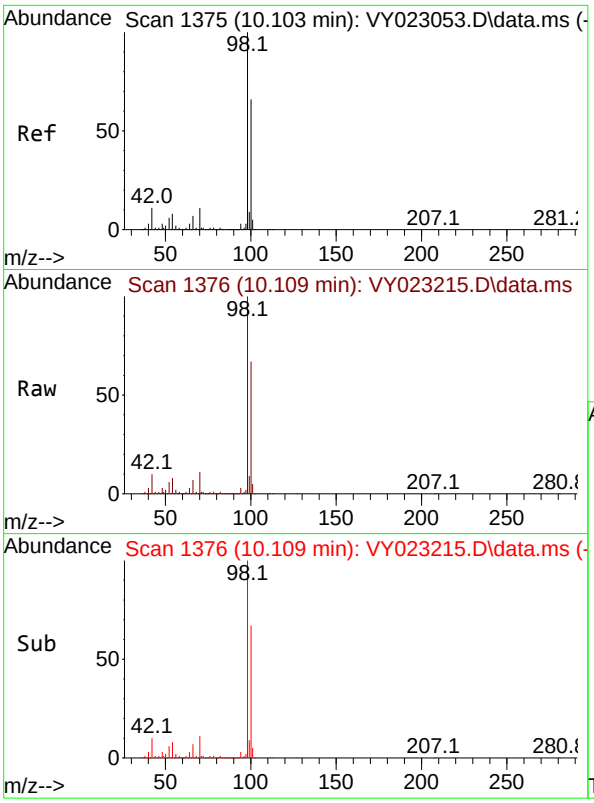


#35
Dibromofluoromethane
Concen: 51.813 ug/l
RT: 7.640 min Scan# 971
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

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



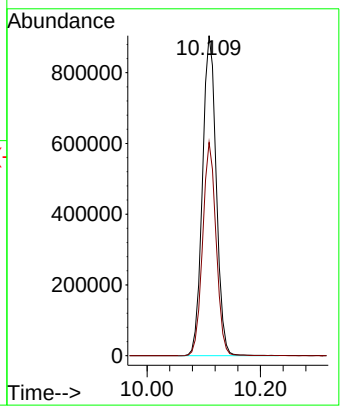


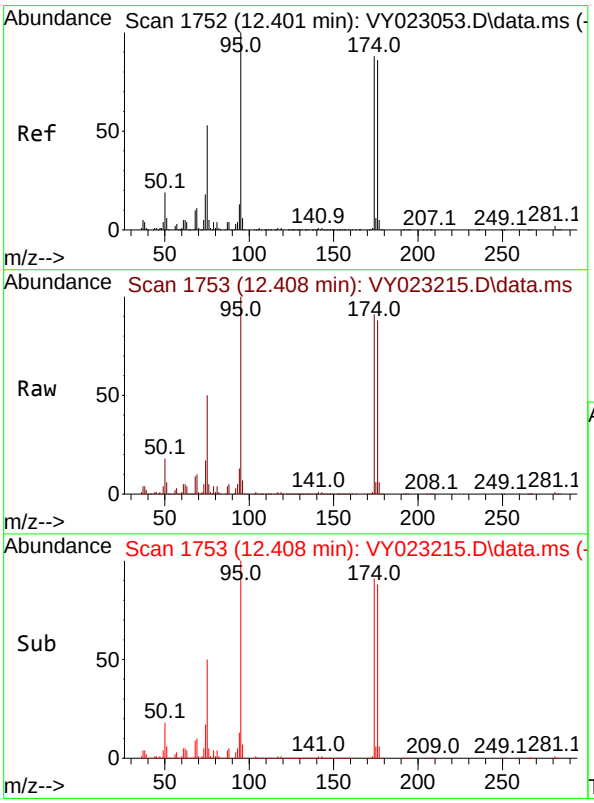
#50
Toluene-d8
Concen: 50.684 ug/l
RT: 10.109 min Scan# 1
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

Tgt Ion: 98 Resp: 1524498

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.3	78.5

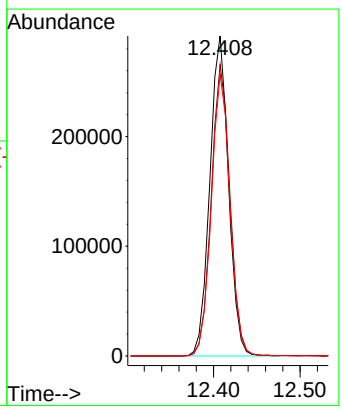


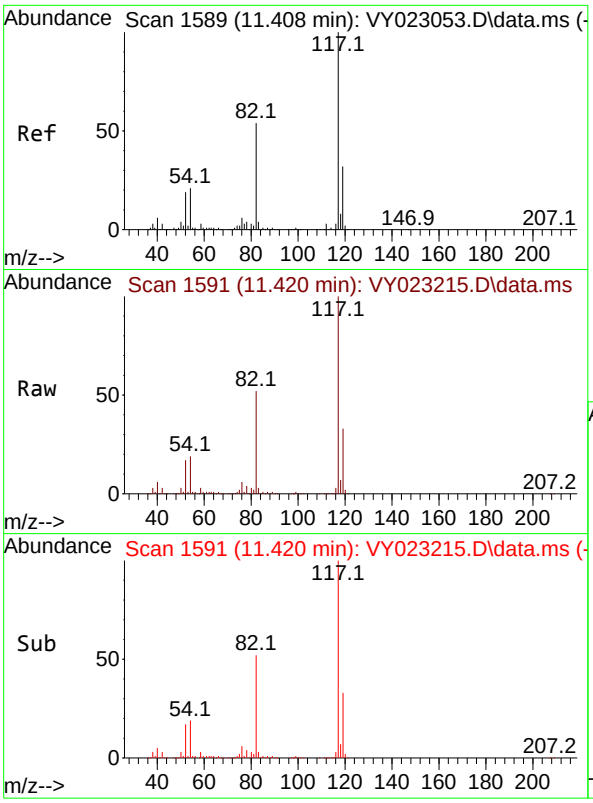


#62
4-Bromofluorobenzene
Concen: 45.320 ug/l
RT: 12.408 min Scan# 1753
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

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



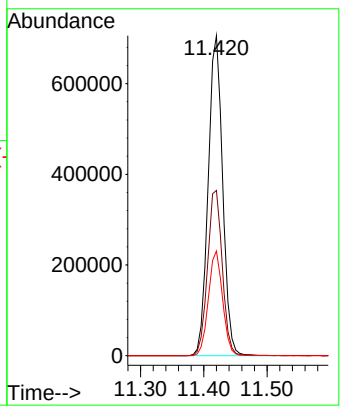


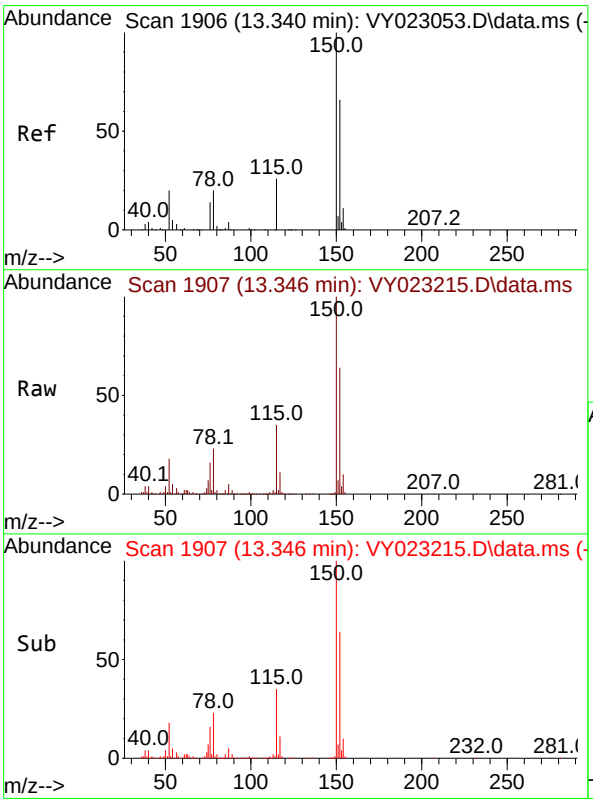
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.420 min Scan# 1
Delta R.T. 0.012 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

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

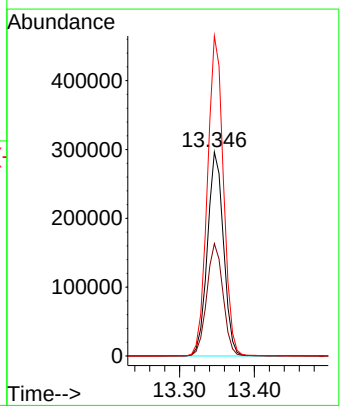




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.346 min Scan# 1907
Delta R.T. 0.006 min
Lab File: VY023215.D
Acq: 28 Aug 2025 10:02

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

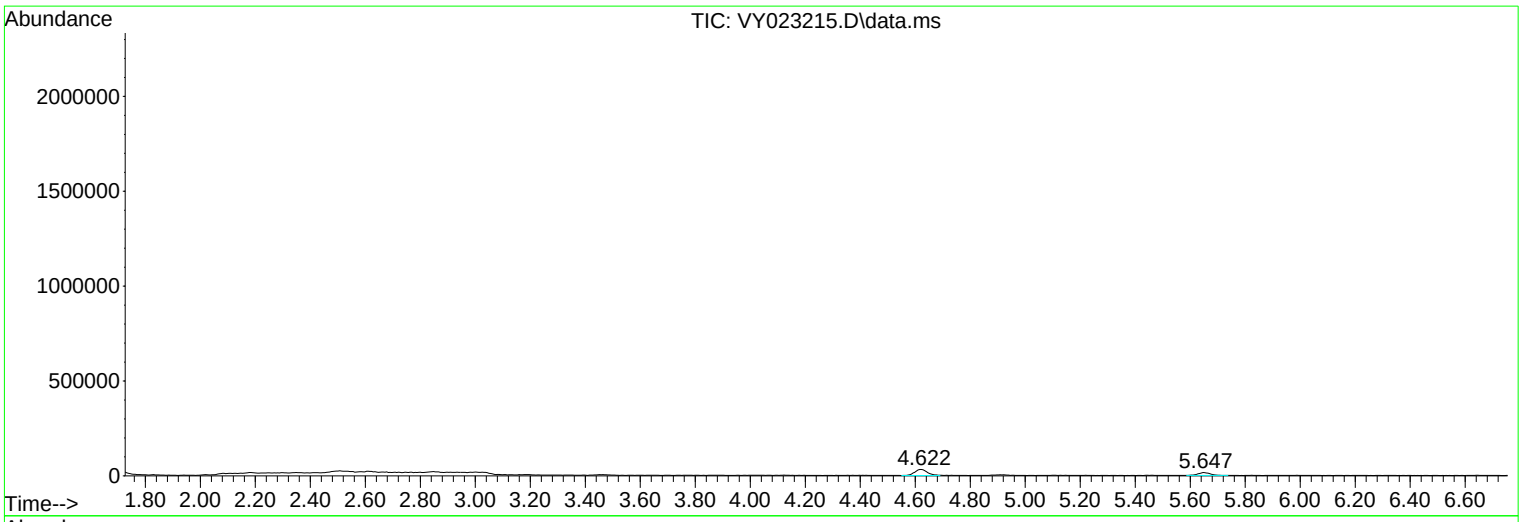
Sample Results: **VY023215.D**

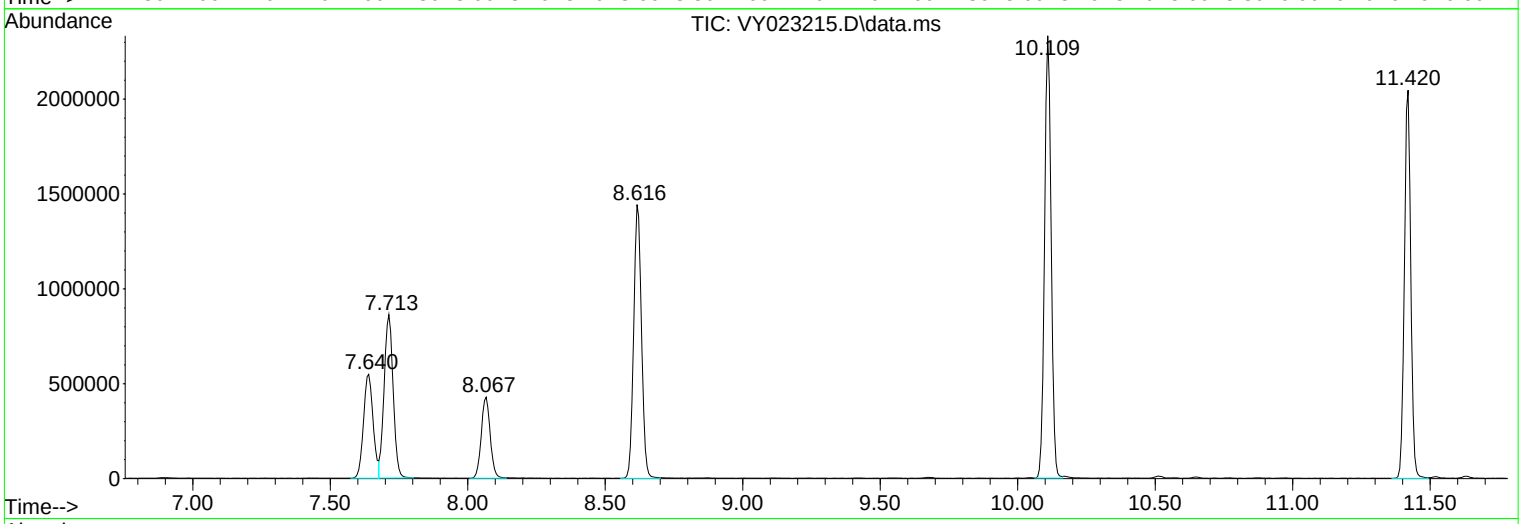
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023215.D
Acq On : 28 Aug 2025 10:02
Operator : SY/MD
Sample : VY0828SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 2 Sample Multiplier: 1

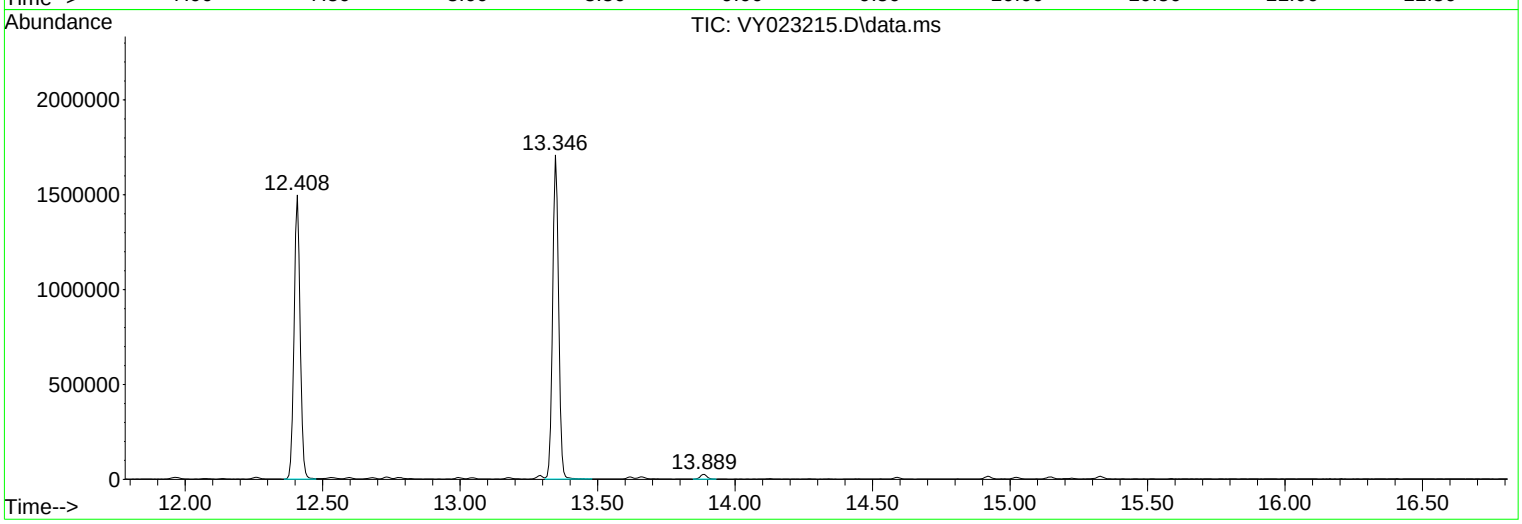
Instrument :
MSVOA_Y
ClientSampleId :
VY0828SBL01

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

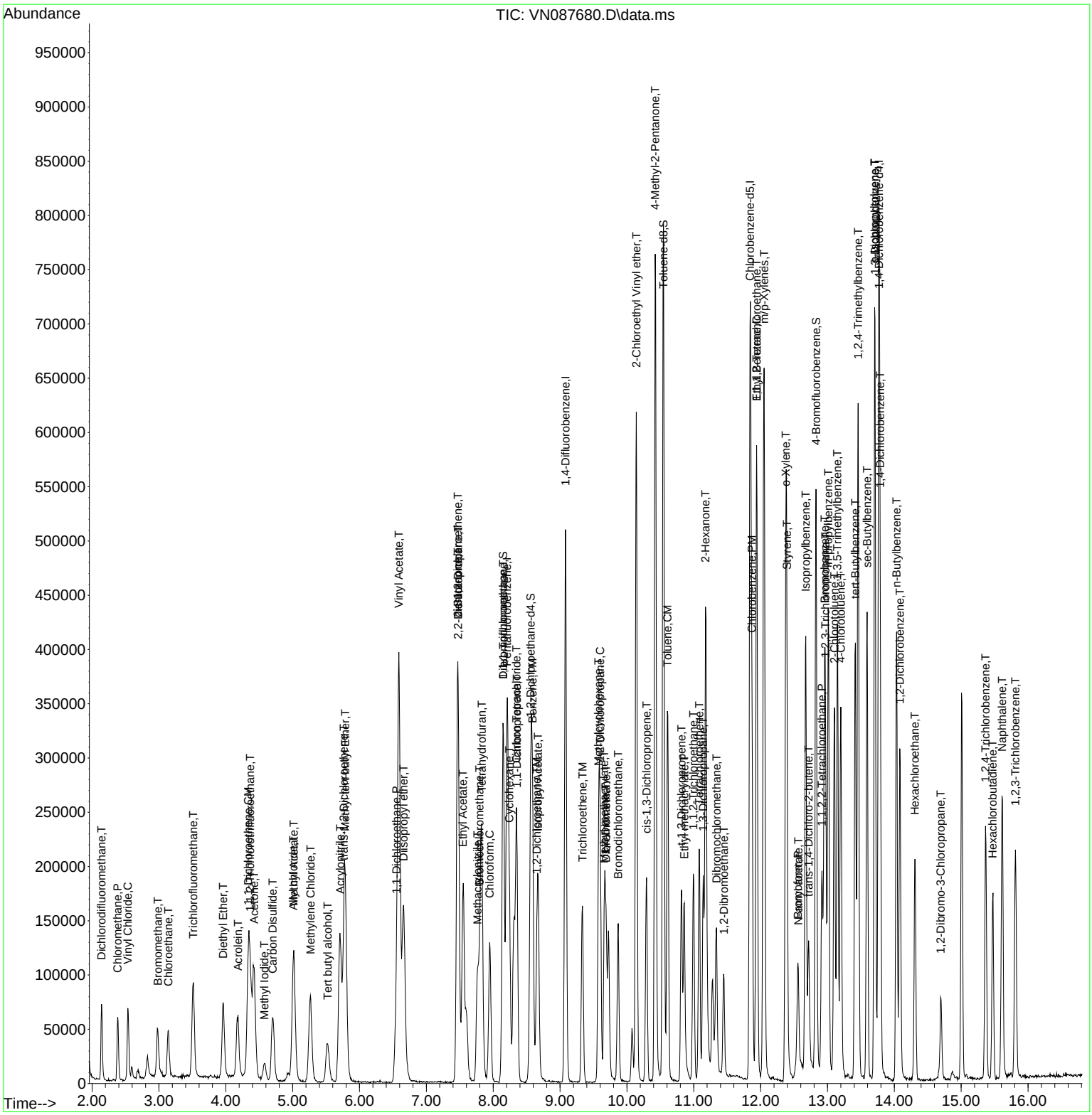
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082825\
Data File : VN087680.D
Acq On : 28 Aug 2025 13:24
Operator : JC\MD
Sample : VN0828MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 6 Sample Multiplier: 1

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

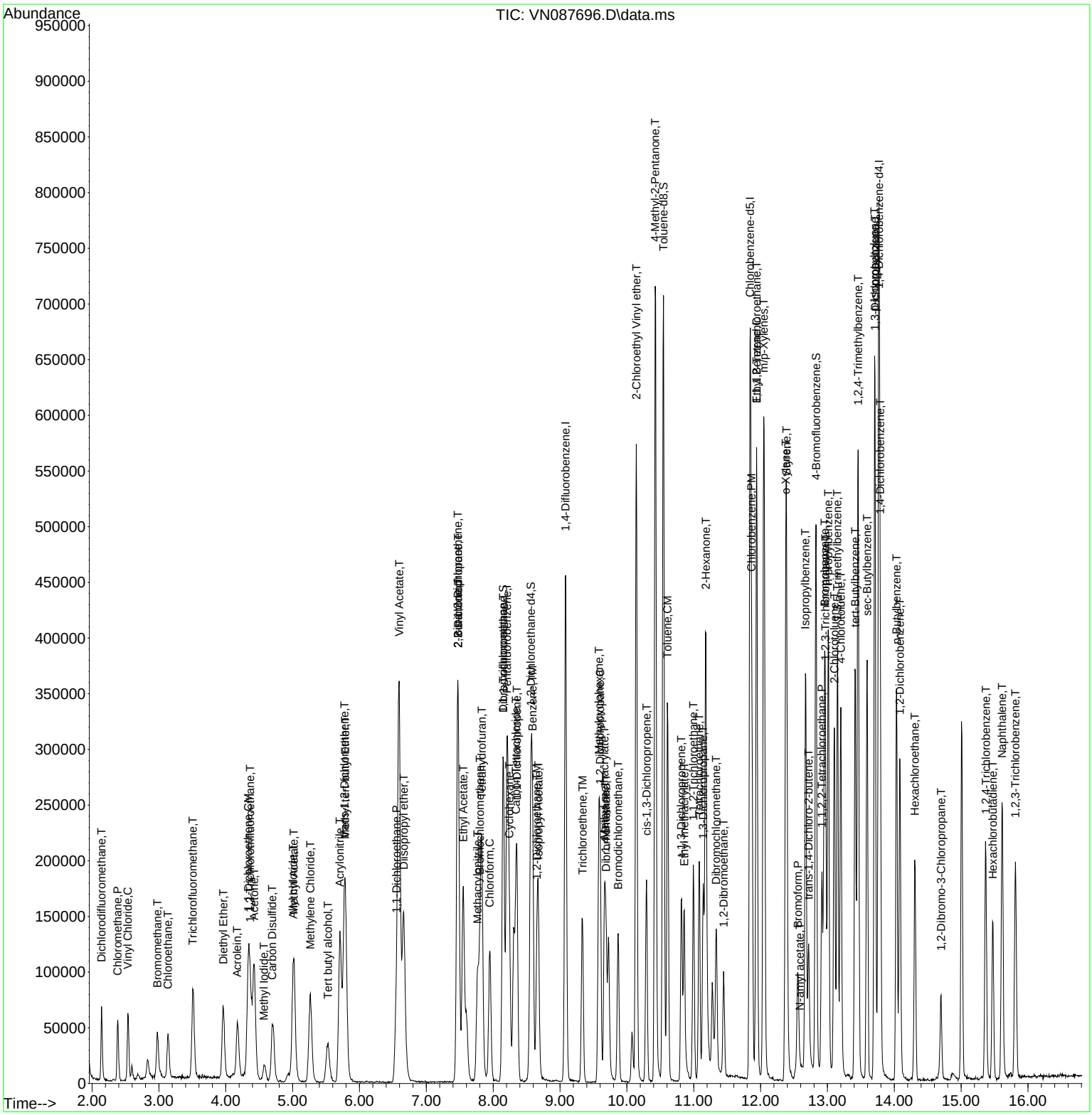
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN082925\
Data File : VN087696.D
Acq On : 29 Aug 2025 13:24
Operator : JC\MD
Sample : VN0829MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 5 Sample Multiplier: 1

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

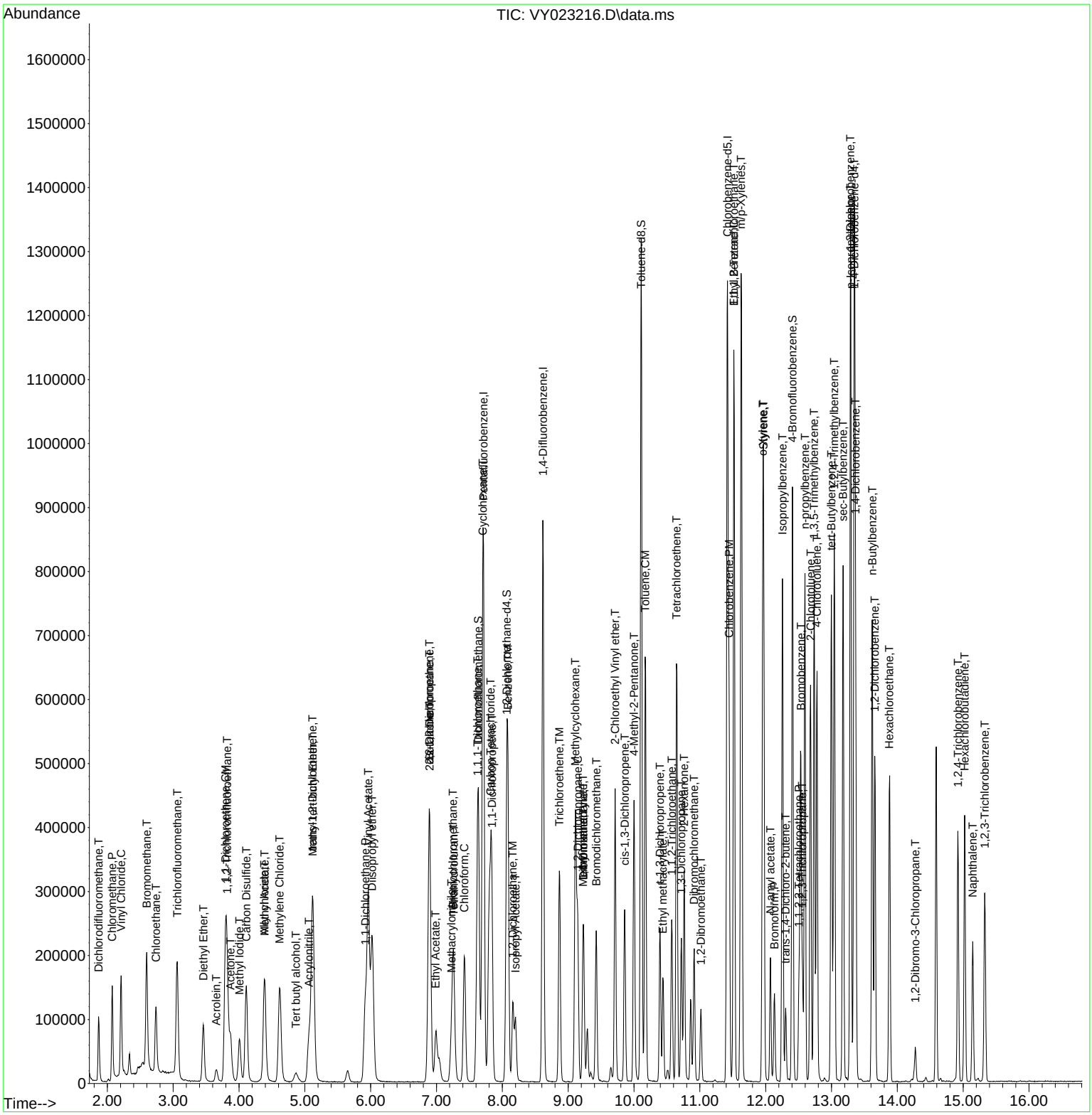
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023216.D
Acq On : 28 Aug 2025 10:58
Operator : SY/MD
Sample : VY0828SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

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



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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

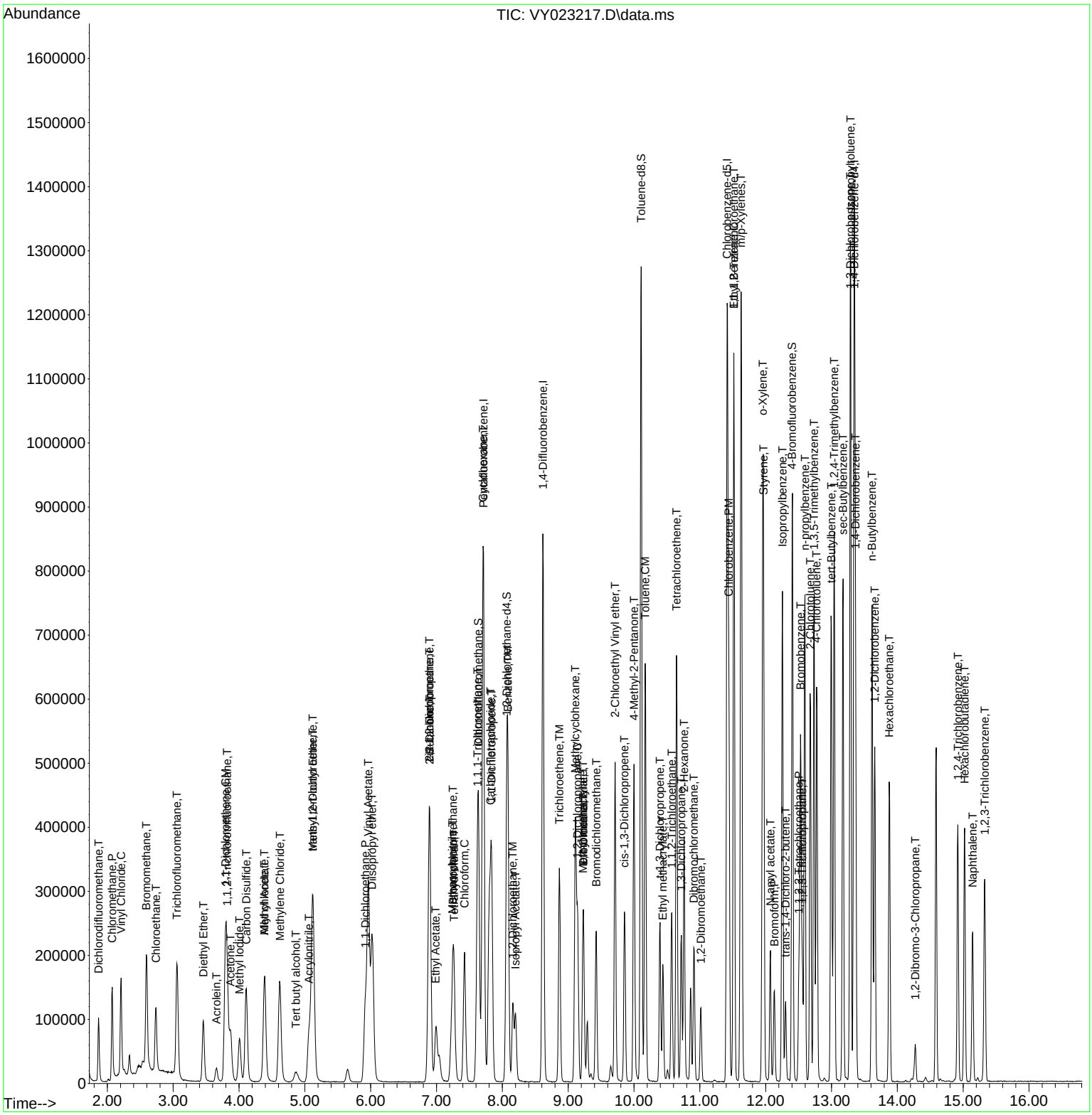
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY082825\
Data File : VY023217.D
Acq On : 28 Aug 2025 11:20
Operator : SY/MD
Sample : VY0828SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

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



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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:	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

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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

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QCBatch ID # 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

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

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

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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	