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

Hit Summary Sheet
SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**PARK AVE -3**								
Q2393-06	PARK AVE -3	SOIL	Trichlorofluoromethane		7.20		1.00	4.30	ug/Kg
Q2393-06	PARK AVE -3	SOIL	Acetone		61.6		4.10	21.5	ug/Kg
Q2393-06	PARK AVE -3	SOIL	2-Butanone		23.9		5.60	21.5	ug/Kg
			Total Voc :		92.7				
Q2393-06	PARK AVE -3	SOIL	1,2,4-Trimethylbenzene	*	0.90	J	0.55	4.30	ug/Kg
			Total Tics :		0.90				
			Total Concentration:		93.6				
Client ID:	**PARK AVE -4**								
Q2393-08	PARK AVE -4	SOIL	Trichlorofluoromethane		4.30		0.82	3.40	ug/Kg
Q2393-08	PARK AVE -4	SOIL	Acetone		83.6		3.20	16.9	ug/Kg
Q2393-08	PARK AVE -4	SOIL	Carbon Disulfide		1.10	J	0.72	3.40	ug/Kg
Q2393-08	PARK AVE -4	SOIL	2-Butanone		49.3		4.40	16.9	ug/Kg
			Total Voc :		138				
Q2393-08	PARK AVE -4	SOIL	1,2,4-Trimethylbenzene	*	0.79	J	0.43	3.40	ug/Kg
			Total Tics :		0.79				
			Total Concentration:		139				
Client ID:	**PARK AVE -5**								
Q2393-10	PARK AVE -5	SOIL	Trichlorofluoromethane		2.80	J	1.50	6.20	ug/Kg
Q2393-10	PARK AVE -5	SOIL	Acetone		11.6	J	5.90	31.1	ug/Kg
			Total Voc :		14.4				
			Total Concentration:		14.4				
Client ID:	**PARK AVE -6**								
Q2393-12	PARK AVE -6	SOIL	Trichlorofluoromethane		13.9		1.10	4.70	ug/Kg
Q2393-12	PARK AVE -6	SOIL	Acetone		22.2	J	4.40	23.3	ug/Kg
			Total Voc :		36.1				
			Total Concentration:		36.1				

SAMPLE DATA

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

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022795.D	1		06/24/25 14:19	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.80	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.80	ug/Kg
75-01-4	Vinyl Chloride	0.76	U	0.76	4.80	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.80	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.80	ug/Kg
75-69-4	Trichlorofluoromethane	1.20	U	1.20	4.80	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	1.00	4.80	ug/Kg
75-35-4	1,1-Dichloroethene	0.96	U	0.96	4.80	ug/Kg
67-64-1	Acetone	4.60	U	4.60	24.1	ug/Kg
75-15-0	Carbon Disulfide	1.00	U	1.00	4.80	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.70	U	0.70	4.80	ug/Kg
79-20-9	Methyl Acetate	1.50	U	1.50	4.80	ug/Kg
75-09-2	Methylene Chloride	3.40	U	3.40	9.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.83	U	0.83	4.80	ug/Kg
75-34-3	1,1-Dichloroethane	0.77	U	0.77	4.80	ug/Kg
110-82-7	Cyclohexane	0.76	U	0.76	4.80	ug/Kg
78-93-3	2-Butanone	6.30	U	6.30	24.1	ug/Kg
56-23-5	Carbon Tetrachloride	0.94	U	0.94	4.80	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.72	U	0.72	4.80	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.80	ug/Kg
67-66-3	Chloroform	0.81	U	0.81	4.80	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.90	U	0.90	4.80	ug/Kg
108-87-2	Methylcyclohexane	0.88	U	0.88	4.80	ug/Kg
71-43-2	Benzene	0.76	U	0.76	4.80	ug/Kg
107-06-2	1,2-Dichloroethane	0.76	U	0.76	4.80	ug/Kg
79-01-6	Trichloroethene	0.78	U	0.78	4.80	ug/Kg
78-87-5	1,2-Dichloropropane	0.88	U	0.88	4.80	ug/Kg
75-27-4	Bromodichloromethane	0.75	U	0.75	4.80	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.50	U	3.50	24.1	ug/Kg
108-88-3	Toluene	0.75	U	0.75	4.80	ug/Kg

Raw Data: **VY022795.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022795.D	1		06/24/25 14:19	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.63	U	0.63	4.80	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.60	U	0.60	4.80	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.89	U	0.89	4.80	ug/Kg
591-78-6	2-Hexanone	3.60	U	3.60	24.1	ug/Kg
124-48-1	Dibromochloromethane	0.84	U	0.84	4.80	ug/Kg
106-93-4	1,2-Dibromoethane	0.85	U	0.85	4.80	ug/Kg
127-18-4	Tetrachloroethene	1.00	U	1.00	4.80	ug/Kg
108-90-7	Chlorobenzene	0.88	U	0.88	4.80	ug/Kg
100-41-4	Ethyl Benzene	0.65	U	0.65	4.80	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.60	ug/Kg
95-47-6	o-Xylene	0.79	U	0.79	4.80	ug/Kg
100-42-5	Styrene	0.68	U	0.68	4.80	ug/Kg
75-25-2	Bromoform	0.83	U	0.83	4.80	ug/Kg
98-82-8	Isopropylbenzene	0.75	U	0.75	4.80	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.20	U	1.20	4.80	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.80	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.80	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.80	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.80	U	1.80	4.80	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.90	U	2.90	4.80	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.10	U	3.10	4.80	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.0		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	49.6		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	57.6		17 - 146	115%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	545000	8.609			
3114-55-4	Chlorobenzene-d5	524000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -1	SDG No.:	Q2393
Lab Sample ID:	Q2393-02	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.9
Sample Wt/Vol:	6.33 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022795.D	1		06/24/25 14:19	VY062425

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:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022796.D	1		06/24/25 14:42	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.83	U	0.83	3.60	ug/Kg
74-87-3	Chloromethane	0.83	U	0.83	3.60	ug/Kg
75-01-4	Vinyl Chloride	0.57	U	0.57	3.60	ug/Kg
74-83-9	Bromomethane	0.78	U	0.78	3.60	ug/Kg
75-00-3	Chloroethane	0.92	U	0.92	3.60	ug/Kg
75-69-4	Trichlorofluoromethane	0.88	U	0.88	3.60	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.77	U	0.77	3.60	ug/Kg
75-35-4	1,1-Dichloroethene	0.73	U	0.73	3.60	ug/Kg
67-64-1	Acetone	3.40	U	3.40	18.2	ug/Kg
75-15-0	Carbon Disulfide	0.77	U	0.77	3.60	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.53	U	0.53	3.60	ug/Kg
79-20-9	Methyl Acetate	1.10	U	1.10	3.60	ug/Kg
75-09-2	Methylene Chloride	2.60	U	2.60	7.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.63	U	0.63	3.60	ug/Kg
75-34-3	1,1-Dichloroethane	0.58	U	0.58	3.60	ug/Kg
110-82-7	Cyclohexane	0.57	U	0.57	3.60	ug/Kg
78-93-3	2-Butanone	4.80	U	4.80	18.2	ug/Kg
56-23-5	Carbon Tetrachloride	0.71	U	0.71	3.60	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.55	U	0.55	3.60	ug/Kg
74-97-5	Bromochloromethane	0.84	U	0.84	3.60	ug/Kg
67-66-3	Chloroform	0.61	U	0.61	3.60	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.68	U	0.68	3.60	ug/Kg
108-87-2	Methylcyclohexane	0.66	U	0.66	3.60	ug/Kg
71-43-2	Benzene	0.57	U	0.57	3.60	ug/Kg
107-06-2	1,2-Dichloroethane	0.57	U	0.57	3.60	ug/Kg
79-01-6	Trichloroethene	0.59	U	0.59	3.60	ug/Kg
78-87-5	1,2-Dichloropropane	0.66	U	0.66	3.60	ug/Kg
75-27-4	Bromodichloromethane	0.57	U	0.57	3.60	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.60	U	2.60	18.2	ug/Kg
108-88-3	Toluene	0.57	U	0.57	3.60	ug/Kg

Raw Data: **VY022796.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022796.D	1		06/24/25 14:42	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.47	U	0.47	3.60	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.45	U	0.45	3.60	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.67	U	0.67	3.60	ug/Kg
591-78-6	2-Hexanone	2.70	U	2.70	18.2	ug/Kg
124-48-1	Dibromochloromethane	0.63	U	0.63	3.60	ug/Kg
106-93-4	1,2-Dibromoethane	0.64	U	0.64	3.60	ug/Kg
127-18-4	Tetrachloroethene	0.76	U	0.76	3.60	ug/Kg
108-90-7	Chlorobenzene	0.66	U	0.66	3.60	ug/Kg
100-41-4	Ethyl Benzene	0.49	U	0.49	3.60	ug/Kg
179601-23-1	m/p-Xylenes	0.90	U	0.90	7.30	ug/Kg
95-47-6	o-Xylene	0.60	U	0.60	3.60	ug/Kg
100-42-5	Styrene	0.52	U	0.52	3.60	ug/Kg
75-25-2	Bromoform	0.63	U	0.63	3.60	ug/Kg
98-82-8	Isopropylbenzene	0.57	U	0.57	3.60	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.88	U	0.88	3.60	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.60	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.10	U	1.10	3.60	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.30	U	1.30	3.60	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.20	U	2.20	3.60	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.30	U	2.30	3.60	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.8		63 - 155	112%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0		70 - 134	104%	SPK: 50
2037-26-5	Toluene-d8	50.0		74 - 123	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	61.1		17 - 146	122%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	304000	7.707			
540-36-3	1,4-Difluorobenzene	554000	8.609			
3114-55-4	Chlorobenzene-d5	553000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	279000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -2	SDG No.:	Q2393
Lab Sample ID:	Q2393-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	81.5
Sample Wt/Vol:	8.44 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022796.D	1		06/24/25 14:42	VY062425

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: **VY022797.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022797.D	1		06/24/25 15:06	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.98	U	0.98	4.30	ug/Kg
74-87-3	Chloromethane	0.98	U	0.98	4.30	ug/Kg
75-01-4	Vinyl Chloride	0.68	U	0.68	4.30	ug/Kg
74-83-9	Bromomethane	0.92	U	0.92	4.30	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.30	ug/Kg
75-69-4	Trichlorofluoromethane	7.20		1.00	4.30	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.91	U	0.91	4.30	ug/Kg
75-35-4	1,1-Dichloroethene	0.86	U	0.86	4.30	ug/Kg
67-64-1	Acetone	61.6		4.10	21.5	ug/Kg
75-15-0	Carbon Disulfide	0.91	U	0.91	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	3.00	U	3.00	8.60	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.74	U	0.74	4.30	ug/Kg
75-34-3	1,1-Dichloroethane	0.69	U	0.69	4.30	ug/Kg
110-82-7	Cyclohexane	0.68	U	0.68	4.30	ug/Kg
78-93-3	2-Butanone	23.9		5.60	21.5	ug/Kg
56-23-5	Carbon Tetrachloride	0.83	U	0.83	4.30	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.64	U	0.64	4.30	ug/Kg
74-97-5	Bromochloromethane	0.99	U	0.99	4.30	ug/Kg
67-66-3	Chloroform	0.72	U	0.72	4.30	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.80	U	0.80	4.30	ug/Kg
108-87-2	Methylcyclohexane	0.78	U	0.78	4.30	ug/Kg
71-43-2	Benzene	0.68	U	0.68	4.30	ug/Kg
107-06-2	1,2-Dichloroethane	0.68	U	0.68	4.30	ug/Kg
79-01-6	Trichloroethene	0.70	U	0.70	4.30	ug/Kg
78-87-5	1,2-Dichloropropane	0.78	U	0.78	4.30	ug/Kg
75-27-4	Bromodichloromethane	0.67	U	0.67	4.30	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.10	U	3.10	21.5	ug/Kg
108-88-3	Toluene	0.67	U	0.67	4.30	ug/Kg

Raw Data: **VY022797.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022797.D	1		06/24/25 15:06	VY062425

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	0.53	U	0.53	4.30	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.79	U	0.79	4.30	ug/Kg
591-78-6	2-Hexanone	3.20	U	3.20	21.5	ug/Kg
124-48-1	Dibromochloromethane	0.75	U	0.75	4.30	ug/Kg
106-93-4	1,2-Dibromoethane	0.76	U	0.76	4.30	ug/Kg
127-18-4	Tetrachloroethene	0.90	U	0.90	4.30	ug/Kg
108-90-7	Chlorobenzene	0.78	U	0.78	4.30	ug/Kg
100-41-4	Ethyl Benzene	0.58	U	0.58	4.30	ug/Kg
179601-23-1	m/p-Xylenes	1.10	U	1.10	8.60	ug/Kg
95-47-6	o-Xylene	0.70	U	0.70	4.30	ug/Kg
100-42-5	Styrene	0.61	U	0.61	4.30	ug/Kg
75-25-2	Bromoform	0.74	U	0.74	4.30	ug/Kg
98-82-8	Isopropylbenzene	0.67	U	0.67	4.30	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	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	1.30	U	1.30	4.30	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	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	2.70	U	2.70	4.30	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.8		63 - 155	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	48.4		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.5		17 - 146	113%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.701			
540-36-3	1,4-Difluorobenzene	557000	8.61			
3114-55-4	Chlorobenzene-d5	525000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	250000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

Raw Data: **VY022797.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -3	SDG No.:	Q2393
Lab Sample ID:	Q2393-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.3
Sample Wt/Vol:	6.74 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022797.D	1		06/24/25 15:06	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.90	J		13.0	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

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022798.D	1		06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.77	U	0.77	3.40	ug/Kg
74-87-3	Chloromethane	0.77	U	0.77	3.40	ug/Kg
75-01-4	Vinyl Chloride	0.53	U	0.53	3.40	ug/Kg
74-83-9	Bromomethane	0.72	U	0.72	3.40	ug/Kg
75-00-3	Chloroethane	0.85	U	0.85	3.40	ug/Kg
75-69-4	Trichlorofluoromethane	4.30		0.82	3.40	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.72	U	0.72	3.40	ug/Kg
75-35-4	1,1-Dichloroethene	0.68	U	0.68	3.40	ug/Kg
67-64-1	Acetone	83.6		3.20	16.9	ug/Kg
75-15-0	Carbon Disulfide	1.10	J	0.72	3.40	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.49	U	0.49	3.40	ug/Kg
79-20-9	Methyl Acetate	1.00	U	1.00	3.40	ug/Kg
75-09-2	Methylene Chloride	2.40	U	2.40	6.80	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.58	U	0.58	3.40	ug/Kg
75-34-3	1,1-Dichloroethane	0.54	U	0.54	3.40	ug/Kg
110-82-7	Cyclohexane	0.53	U	0.53	3.40	ug/Kg
78-93-3	2-Butanone	49.3		4.40	16.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.66	U	0.66	3.40	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.51	U	0.51	3.40	ug/Kg
74-97-5	Bromochloromethane	0.78	U	0.78	3.40	ug/Kg
67-66-3	Chloroform	0.57	U	0.57	3.40	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.63	U	0.63	3.40	ug/Kg
108-87-2	Methylcyclohexane	0.62	U	0.62	3.40	ug/Kg
71-43-2	Benzene	0.53	U	0.53	3.40	ug/Kg
107-06-2	1,2-Dichloroethane	0.53	U	0.53	3.40	ug/Kg
79-01-6	Trichloroethene	0.55	U	0.55	3.40	ug/Kg
78-87-5	1,2-Dichloropropane	0.62	U	0.62	3.40	ug/Kg
75-27-4	Bromodichloromethane	0.53	U	0.53	3.40	ug/Kg
108-10-1	4-Methyl-2-Pentanone	2.40	U	2.40	16.9	ug/Kg
108-88-3	Toluene	0.53	U	0.53	3.40	ug/Kg

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022798.D	1		06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.44	U	0.44	3.40	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.42	U	0.42	3.40	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.62	U	0.62	3.40	ug/Kg
591-78-6	2-Hexanone	2.50	U	2.50	16.9	ug/Kg
124-48-1	Dibromochloromethane	0.59	U	0.59	3.40	ug/Kg
106-93-4	1,2-Dibromoethane	0.60	U	0.60	3.40	ug/Kg
127-18-4	Tetrachloroethene	0.71	U	0.71	3.40	ug/Kg
108-90-7	Chlorobenzene	0.62	U	0.62	3.40	ug/Kg
100-41-4	Ethyl Benzene	0.45	U	0.45	3.40	ug/Kg
179601-23-1	m/p-Xylenes	0.84	U	0.84	6.80	ug/Kg
95-47-6	o-Xylene	0.56	U	0.56	3.40	ug/Kg
100-42-5	Styrene	0.48	U	0.48	3.40	ug/Kg
75-25-2	Bromoform	0.58	U	0.58	3.40	ug/Kg
98-82-8	Isopropylbenzene	0.53	U	0.53	3.40	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	0.82	U	0.82	3.40	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.20	U	1.20	3.40	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.10	U	1.10	3.40	ug/Kg
95-50-1	1,2-Dichlorobenzene	0.98	U	0.98	3.40	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.20	U	1.20	3.40	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.00	U	2.00	3.40	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.20	U	2.20	3.40	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.2		63 - 155	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7		70 - 134	97%	SPK: 50
2037-26-5	Toluene-d8	49.5		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.2		17 - 146	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	302000	7.701			
540-36-3	1,4-Difluorobenzene	544000	8.609			
3114-55-4	Chlorobenzene-d5	512000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	232000	13.34			
TENTATIVE IDENTIFIED COMPOUNDS						

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -4	SDG No.:	Q2393
Lab Sample ID:	Q2393-08	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	8.42 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022798.D	1		06/24/25 15:29	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
95-63-6	1,2,4-Trimethylbenzene	0.79	J		13.0	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: **VY022799.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022799.D	1		06/24/25 15:52	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.40	U	1.40	6.20	ug/Kg
74-87-3	Chloromethane	1.40	U	1.40	6.20	ug/Kg
75-01-4	Vinyl Chloride	0.98	U	0.98	6.20	ug/Kg
74-83-9	Bromomethane	1.30	U	1.30	6.20	ug/Kg
75-00-3	Chloroethane	1.60	U	1.60	6.20	ug/Kg
75-69-4	Trichlorofluoromethane	2.80	J	1.50	6.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1.30	U	1.30	6.20	ug/Kg
75-35-4	1,1-Dichloroethene	1.20	U	1.20	6.20	ug/Kg
67-64-1	Acetone	11.6	J	5.90	31.1	ug/Kg
75-15-0	Carbon Disulfide	1.30	U	1.30	6.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.91	U	0.91	6.20	ug/Kg
79-20-9	Methyl Acetate	1.90	U	1.90	6.20	ug/Kg
75-09-2	Methylene Chloride	4.40	U	4.40	12.5	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1.10	U	1.10	6.20	ug/Kg
75-34-3	1,1-Dichloroethane	1.00	U	1.00	6.20	ug/Kg
110-82-7	Cyclohexane	0.98	U	0.98	6.20	ug/Kg
78-93-3	2-Butanone	8.10	U	8.10	31.1	ug/Kg
56-23-5	Carbon Tetrachloride	1.20	U	1.20	6.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.93	U	0.93	6.20	ug/Kg
74-97-5	Bromochloromethane	1.40	U	1.40	6.20	ug/Kg
67-66-3	Chloroform	1.00	U	1.00	6.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	1.20	U	1.20	6.20	ug/Kg
108-87-2	Methylcyclohexane	1.10	U	1.10	6.20	ug/Kg
71-43-2	Benzene	0.98	U	0.98	6.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.98	U	0.98	6.20	ug/Kg
79-01-6	Trichloroethene	1.00	U	1.00	6.20	ug/Kg
78-87-5	1,2-Dichloropropane	1.10	U	1.10	6.20	ug/Kg
75-27-4	Bromodichloromethane	0.97	U	0.97	6.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	4.50	U	4.50	31.1	ug/Kg
108-88-3	Toluene	0.97	U	0.97	6.20	ug/Kg

Raw Data: **VY022799.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022799.D	1		06/24/25 15:52	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.81	U	0.81	6.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.77	U	0.77	6.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	1.10	U	1.10	6.20	ug/Kg
591-78-6	2-Hexanone	4.60	U	4.60	31.1	ug/Kg
124-48-1	Dibromochloromethane	1.10	U	1.10	6.20	ug/Kg
106-93-4	1,2-Dibromoethane	1.10	U	1.10	6.20	ug/Kg
127-18-4	Tetrachloroethene	1.30	U	1.30	6.20	ug/Kg
108-90-7	Chlorobenzene	1.10	U	1.10	6.20	ug/Kg
100-41-4	Ethyl Benzene	0.83	U	0.83	6.20	ug/Kg
179601-23-1	m/p-Xylenes	1.50	U	1.50	12.5	ug/Kg
95-47-6	o-Xylene	1.00	U	1.00	6.20	ug/Kg
100-42-5	Styrene	0.88	U	0.88	6.20	ug/Kg
75-25-2	Bromoform	1.10	U	1.10	6.20	ug/Kg
98-82-8	Isopropylbenzene	0.97	U	0.97	6.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.50	U	1.50	6.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	2.10	U	2.10	6.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.90	U	1.90	6.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.80	U	1.80	6.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2.30	U	2.30	6.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	3.70	U	3.70	6.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	4.00	U	4.00	6.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	46.8		63 - 155	94%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 - 134	98%	SPK: 50
2037-26-5	Toluene-d8	48.5		74 - 123	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		17 - 146	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	317000	7.707			
540-36-3	1,4-Difluorobenzene	576000	8.61			
3114-55-4	Chlorobenzene-d5	531000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	229000	13.34			

Raw Data: **VY022799.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -5	SDG No.:	Q2393
Lab Sample ID:	Q2393-10	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	88.4
Sample Wt/Vol:	4.54 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022799.D	1		06/24/25 15:52	VY062425

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: **VY022800.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022800.D	1		06/24/25 16:16	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1.10	U	1.10	4.70	ug/Kg
74-87-3	Chloromethane	1.10	U	1.10	4.70	ug/Kg
75-01-4	Vinyl Chloride	0.74	U	0.74	4.70	ug/Kg
74-83-9	Bromomethane	1.00	U	1.00	4.70	ug/Kg
75-00-3	Chloroethane	1.20	U	1.20	4.70	ug/Kg
75-69-4	Trichlorofluoromethane	13.9		1.10	4.70	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.99	U	0.99	4.70	ug/Kg
75-35-4	1,1-Dichloroethene	0.93	U	0.93	4.70	ug/Kg
67-64-1	Acetone	22.2	J	4.40	23.3	ug/Kg
75-15-0	Carbon Disulfide	0.99	U	0.99	4.70	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.68	U	0.68	4.70	ug/Kg
79-20-9	Methyl Acetate	1.40	U	1.40	4.70	ug/Kg
75-09-2	Methylene Chloride	3.30	U	3.30	9.30	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.80	U	0.80	4.70	ug/Kg
75-34-3	1,1-Dichloroethane	0.75	U	0.75	4.70	ug/Kg
110-82-7	Cyclohexane	0.74	U	0.74	4.70	ug/Kg
78-93-3	2-Butanone	6.10	U	6.10	23.3	ug/Kg
56-23-5	Carbon Tetrachloride	0.91	U	0.91	4.70	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.70	U	0.70	4.70	ug/Kg
74-97-5	Bromochloromethane	1.10	U	1.10	4.70	ug/Kg
67-66-3	Chloroform	0.78	U	0.78	4.70	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.87	U	0.87	4.70	ug/Kg
108-87-2	Methylcyclohexane	0.85	U	0.85	4.70	ug/Kg
71-43-2	Benzene	0.74	U	0.74	4.70	ug/Kg
107-06-2	1,2-Dichloroethane	0.74	U	0.74	4.70	ug/Kg
79-01-6	Trichloroethene	0.76	U	0.76	4.70	ug/Kg
78-87-5	1,2-Dichloropropane	0.85	U	0.85	4.70	ug/Kg
75-27-4	Bromodichloromethane	0.73	U	0.73	4.70	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.30	U	3.30	23.3	ug/Kg
108-88-3	Toluene	0.73	U	0.73	4.70	ug/Kg

Raw Data: **VY022800.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022800.D	1		06/24/25 16:16	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.61	U	0.61	4.70	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.58	U	0.58	4.70	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.86	U	0.86	4.70	ug/Kg
591-78-6	2-Hexanone	3.40	U	3.40	23.3	ug/Kg
124-48-1	Dibromochloromethane	0.81	U	0.81	4.70	ug/Kg
106-93-4	1,2-Dibromoethane	0.82	U	0.82	4.70	ug/Kg
127-18-4	Tetrachloroethene	0.98	U	0.98	4.70	ug/Kg
108-90-7	Chlorobenzene	0.85	U	0.85	4.70	ug/Kg
100-41-4	Ethyl Benzene	0.63	U	0.63	4.70	ug/Kg
179601-23-1	m/p-Xylenes	1.20	U	1.20	9.30	ug/Kg
95-47-6	o-Xylene	0.77	U	0.77	4.70	ug/Kg
100-42-5	Styrene	0.66	U	0.66	4.70	ug/Kg
75-25-2	Bromoform	0.80	U	0.80	4.70	ug/Kg
98-82-8	Isopropylbenzene	0.73	U	0.73	4.70	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.10	U	1.10	4.70	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.60	U	1.60	4.70	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.50	U	1.50	4.70	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.40	U	1.40	4.70	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.70	U	1.70	4.70	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.80	U	2.80	4.70	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	3.00	U	3.00	4.70	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.0		63 - 155	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2		70 - 134	100%	SPK: 50
2037-26-5	Toluene-d8	49.3		74 - 123	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.2		17 - 146	108%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	327000	7.701			
540-36-3	1,4-Difluorobenzene	592000	8.609			
3114-55-4	Chlorobenzene-d5	562000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	253000	13.34			

Alliance TECHNICAL GROUP
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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	06/23/25
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	06/23/25
Client Sample ID:	PARK AVE -6	SDG No.:	Q2393
Lab Sample ID:	Q2393-12	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	87.7
Sample Wt/Vol:	6.11 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:	Prep Date	Date Analyzed	Prep Batch ID
VY022800.D	1		06/24/25 16:16	VY062425

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.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D

Lab Sample ID	Client ID	Parameter	Spike	Result	RecoveryQual	Limits Low	Limits High
Q2393-02	PARK AVE -1	1,2-Dichloroethane-d4	50	48.6	97	63	155
		Dibromofluoromethane	50	49.0	98	70	134
		Toluene-d8	50	49.6	99	74	123
		4-Bromofluorobenzene	50	57.6	115	17	146
Q2393-04	PARK AVE -2	1,2-Dichloroethane-d4	50	55.8	112	63	155
		Dibromofluoromethane	50	52.0	104	70	134
		Toluene-d8	50	50.0	100	74	123
		4-Bromofluorobenzene	50	61.1	122	17	146
Q2393-06	PARK AVE -3	1,2-Dichloroethane-d4	50	48.8	98	63	155
		Dibromofluoromethane	50	49.3	99	70	134
		Toluene-d8	50	48.4	97	74	123
		4-Bromofluorobenzene	50	56.5	113	17	146
Q2393-08	PARK AVE -4	1,2-Dichloroethane-d4	50	48.2	96	63	155
		Dibromofluoromethane	50	48.7	97	70	134
		Toluene-d8	50	49.5	99	74	123
		4-Bromofluorobenzene	50	55.2	110	17	146
Q2393-10	PARK AVE -5	1,2-Dichloroethane-d4	50	46.8	94	63	155
		Dibromofluoromethane	50	49.1	98	70	134
		Toluene-d8	50	48.5	97	74	123
		4-Bromofluorobenzene	50	51.6	103	17	146
Q2393-12	PARK AVE -6	1,2-Dichloroethane-d4	50	50.0	100	63	155
		Dibromofluoromethane	50	50.2	100	70	134
		Toluene-d8	50	49.4	99	74	123
		4-Bromofluorobenzene	50	54.2	108	17	146
VY0624SBL01	VY0624SBL01	1,2-Dichloroethane-d4	50	54.5	109	63	155
		Dibromofluoromethane	50	52.4	105	70	134
		Toluene-d8	50	49.2	98	74	123
		4-Bromofluorobenzene	50	42.8	86	17	146
VY0624SBS01	VY0624SBS01	1,2-Dichloroethane-d4	50	50.7	101	63	155
		Dibromofluoromethane	50	51.1	102	70	134
		Toluene-d8	50	50.7	101	74	123
		4-Bromofluorobenzene	50	48.5	97	17	146
VY0624SBSD01	VY0624SBSD01	1,2-Dichloroethane-d4	50	48.6	97	63	155
		Dibromofluoromethane	50	49.7	99	70	134
		Toluene-d8	50	50.5	101	74	123
		4-Bromofluorobenzene	50	47.7	95	17	146

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D **Datafile :** VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBS01	Dichlorodifluoromethane	20	20.7	ug/Kg	104			64	136	
	Chloromethane	20	20.4	ug/Kg	102			52	151	
	Vinyl chloride	20	20.3	ug/Kg	102			56	148	
	Bromomethane	20	21.4	ug/Kg	107			58	141	
	Chloroethane	20	20.3	ug/Kg	102			69	130	
	Trichlorofluoromethane	20	20.2	ug/Kg	101			69	134	
	1,1,2-Trichlorotrifluoroethane	20	20.5	ug/Kg	103			81	123	
	1,1-Dichloroethene	20	20.1	ug/Kg	101			79	121	
	Acetone	100	100	ug/Kg	100			40	171	
	Carbon disulfide	20	20.5	ug/Kg	103			59	130	
	Methyl tert-butyl Ether	20	20.1	ug/Kg	101			77	129	
	Methyl Acetate	20	18.7	ug/Kg	94			69	149	
	Methylene Chloride	20	18.3	ug/Kg	92			72	131	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			80	123	
	1,1-Dichloroethane	20	20.5	ug/Kg	103			82	123	
	Cyclohexane	20	20.1	ug/Kg	101			76	122	
	2-Butanone	100	100	ug/Kg	100			69	131	
	Carbon Tetrachloride	20	19.9	ug/Kg	100			76	129	
	cis-1,2-Dichloroethene	20	19.9	ug/Kg	100			82	123	
	Bromochloromethane	20	20.5	ug/Kg	103			80	127	
	Chloroform	20	19.9	ug/Kg	100			82	125	
	1,1,1-Trichloroethane	20	20.5	ug/Kg	103			80	126	
	Methylcyclohexane	20	20.1	ug/Kg	101			77	123	
	Benzene	20	20.1	ug/Kg	101			84	121	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			81	126	
	Trichloroethene	20	19.9	ug/Kg	100			83	122	
	1,2-Dichloropropane	20	20.3	ug/Kg	102			83	122	
	Bromodichloromethane	20	20.4	ug/Kg	102			82	123	
	4-Methyl-2-Pentanone	100	100	ug/Kg	100			70	135	
	Toluene	20	19.8	ug/Kg	99			83	122	
	t-1,3-Dichloropropene	20	19.6	ug/Kg	98			78	124	
	cis-1,3-Dichloropropene	20	20.2	ug/Kg	101			81	122	
	1,1,2-Trichloroethane	20	20.3	ug/Kg	102			82	125	
	2-Hexanone	100	98.6	ug/Kg	99			66	138	
	Dibromochloromethane	20	19.6	ug/Kg	98			79	125	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			80	125	
	Tetrachloroethene	20	18.6	ug/Kg	93			83	125	
	Chlorobenzene	20	19.7	ug/Kg	99			84	122	
	Ethyl Benzene	20	19.5	ug/Kg	98			82	124	
	m/p-Xylenes	40	39.0	ug/Kg	98			83	124	
	o-Xylene	20	19.0	ug/Kg	95			83	123	
	Styrene	20	19.1	ug/Kg	96			82	124	
	Bromoform	20	18.8	ug/Kg	94			75	127	
	Isopropylbenzene	20	20.1	ug/Kg	101			82	124	
	1,1,2,2-Tetrachloroethane	20	21.8	ug/Kg	109			77	127	
	1,3-Dichlorobenzene	20	19.7	ug/Kg	99			83	122	
	1,4-Dichlorobenzene	20	19.5	ug/Kg	98			84	121	
	1,2-Dichlorobenzene	20	19.4	ug/Kg	97			83	124	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D **Datafile :** VY022787.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBS01	1,2-Dibromo-3-Chloropropane	20	19.4	ug/Kg	97			66	134	
	1,2,4-Trichlorobenzene	20	19.1	ug/Kg	96			78	127	
	1,2,3-Trichlorobenzene	20	19.0	ug/Kg	95			70	137	

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D **Datafile :** VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBSD01	Dichlorodifluoromethane	20	21.6	ug/Kg	108	4		64	136	20
	Chloromethane	20	19.9	ug/Kg	100	2		52	151	20
	Vinyl chloride	20	20.6	ug/Kg	103	1		56	148	20
	Bromomethane	20	20.6	ug/Kg	103	4		58	141	20
	Chloroethane	20	20.0	ug/Kg	100	2		69	130	20
	Trichlorofluoromethane	20	20.7	ug/Kg	104	3		69	134	20
	1,1,2-Trichlorotrifluoroethane	20	21.0	ug/Kg	105	2		81	123	20
	1,1-Dichloroethene	20	20.0	ug/Kg	100	1		79	121	20
	Acetone	100	94.2	ug/Kg	94	6		40	171	20
	Carbon disulfide	20	20.5	ug/Kg	103	0		59	130	20
	Methyl tert-butyl Ether	20	19.1	ug/Kg	96	5		77	129	20
	Methyl Acetate	20	17.5	ug/Kg	88	7		69	149	20
	Methylene Chloride	20	17.9	ug/Kg	90	2		72	131	20
	trans-1,2-Dichloroethene	20	19.8	ug/Kg	99	2		80	123	20
	1,1-Dichloroethane	20	20.3	ug/Kg	102	1		82	123	20
	Cyclohexane	20	20.2	ug/Kg	101	0		76	122	20
	2-Butanone	100	93.6	ug/Kg	94	6		69	131	20
	Carbon Tetrachloride	20	20.6	ug/Kg	103	3		76	129	20
	cis-1,2-Dichloroethene	20	19.5	ug/Kg	98	2		82	123	20
	Bromochloromethane	20	20.2	ug/Kg	101	2		80	127	20
	Chloroform	20	19.7	ug/Kg	99	1		82	125	20
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	1		80	126	20
	Methylcyclohexane	20	20.3	ug/Kg	102	1		77	123	20
	Benzene	20	20.2	ug/Kg	101	0		84	121	20
	1,2-Dichloroethane	20	20.3	ug/Kg	102	1		81	126	20
	Trichloroethene	20	20.6	ug/Kg	103	3		83	122	20
	1,2-Dichloropropane	20	20.0	ug/Kg	100	2		83	122	20
	Bromodichloromethane	20	19.9	ug/Kg	100	2		82	123	20
	4-Methyl-2-Pentanone	100	95.0	ug/Kg	95	5		70	135	20
	Toluene	20	20.0	ug/Kg	100	1		83	122	20
	t-1,3-Dichloropropene	20	19.3	ug/Kg	97	1		78	124	20
	cis-1,3-Dichloropropene	20	19.6	ug/Kg	98	3		81	122	20
	1,1,2-Trichloroethane	20	19.8	ug/Kg	99	3		82	125	20
	2-Hexanone	100	90.5	ug/Kg	91	8		66	138	20
	Dibromochloromethane	20	19.6	ug/Kg	98	0		79	125	20
	1,2-Dibromoethane	20	19.1	ug/Kg	96	4		80	125	20
	Tetrachloroethene	20	21.6	ug/Kg	108	15		83	125	20
	Chlorobenzene	20	20.1	ug/Kg	101	2		84	122	20
	Ethyl Benzene	20	20.1	ug/Kg	101	3		82	124	20
	m/p-Xylenes	40	39.5	ug/Kg	99	1		83	124	20
	o-Xylene	20	19.3	ug/Kg	97	2		83	123	20
	Styrene	20	19.3	ug/Kg	97	1		82	124	20
	Bromoform	20	19.0	ug/Kg	95	1		75	127	20
	Isopropylbenzene	20	20.5	ug/Kg	103	2		82	124	20
	1,1,2,2-Tetrachloroethane	20	18.7	ug/Kg	94	15		77	127	20
	1,3-Dichlorobenzene	20	20.1	ug/Kg	101	2		83	122	20
	1,4-Dichlorobenzene	20	19.7	ug/Kg	99	1		84	121	20
	1,2-Dichlorobenzene	20	19.8	ug/Kg	99	2		83	124	20

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q2393

Client: Union Paving & Construction Company

Analytical Method: SW8260D **Datafile :** VY022788.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	RPD
VY0624SBSD01	1,2-Dibromo-3-Chloropropane	20	19.1	ug/Kg	96	1		66	134	20
	1,2,4-Trichlorobenzene	20	20.0	ug/Kg	100	4		78	127	20
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98	3		70	137	20

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Fax : 908 789 8922

VOLATILE METHOD BLANK SUMMARY

EPA SAMPLE NO.

VY0624SBL01

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: VY022786.D Lab Sample ID: VY0624SBL01

Date Analyzed: 06/24/2025 Time Analyzed: 10:25

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
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025
PARK AVE -1	Q2393-02	VY022795.D	06/24/2025
PARK AVE -2	Q2393-04	VY022796.D	06/24/2025
PARK AVE -3	Q2393-06	VY022797.D	06/24/2025
PARK AVE -4	Q2393-08	VY022798.D	06/24/2025
PARK AVE -5	Q2393-10	VY022799.D	06/24/2025
PARK AVE -6	Q2393-12	VY022800.D	06/24/2025

COMMENTS:

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

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: VY022775.D BFB Injection Date: 06/23/2025

Instrument ID: MSVOA_Y BFB Injection Time: 10:17

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	22.8
75	30.0 - 60.0% of mass 95	56.2
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	81.9
175	5.0 - 9.0% of mass 174	6 (7.4) 1
176	95.0 - 101.0% of mass 174	78.2 (95.5) 1
177	5.0 - 9.0% of mass 176	5.1 (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:

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC005	VSTDICC005	VY022776.D	06/23/2025	13:38
VSTDICC010	VSTDICC010	VY022777.D	06/23/2025	14:00
VSTDICC020	VSTDICC020	VY022778.D	06/23/2025	14:23
VSTDICCC050	VSTDICCC050	VY022779.D	06/23/2025	14:46
VSTDICC100	VSTDICC100	VY022780.D	06/23/2025	15:08
VSTDICC150	VSTDICC150	VY022781.D	06/23/2025	15:31

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: VY022784.D BFB Injection Date: 06/24/2025

Instrument ID: MSVOA_Y BFB Injection Time: 08:49

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	22.9
75	30.0 - 60.0% of mass 95	55.8
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 (1.2) 1
174	50.0 - 100.0% of mass 95	79.8
175	5.0 - 9.0% of mass 174	6.2 (7.7) 1
176	95.0 - 101.0% of mass 174	77.4 (96.9) 1
177	5.0 - 9.0% of mass 176	5.1 (6.6) 2

1-Value is % mass 174 2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VY022785.D	06/24/2025	09:20
VY0624SBL01	VY0624SBL01	VY022786.D	06/24/2025	10:25
VY0624SBS01	VY0624SBS01	VY022787.D	06/24/2025	10:58
VY0624SBSD01	VY0624SBSD01	VY022788.D	06/24/2025	11:21
PARK AVE -1	Q2393-02	VY022795.D	06/24/2025	14:19
PARK AVE -2	Q2393-04	VY022796.D	06/24/2025	14:42
PARK AVE -3	Q2393-06	VY022797.D	06/24/2025	15:06
PARK AVE -4	Q2393-08	VY022798.D	06/24/2025	15:29
PARK AVE -5	Q2393-10	VY022799.D	06/24/2025	15:52
PARK AVE -6	Q2393-12	VY022800.D	06/24/2025	16:16

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: VY022785.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

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	480569	7.71	788269	8.62	678315	11.41
UPPER LIMIT	961138	8.207	1576540	9.116	1356630	11.914
LOWER LIMIT	240285	7.207	394135	8.116	339158	10.914
EPA SAMPLE NO.						
PARK AVE -1	304407	7.71	544800	8.61	523860	11.41
PARK AVE -2	303546	7.71	553566	8.61	552957	11.41
PARK AVE -3	300789	7.70	557410	8.61	524757	11.41
PARK AVE -4	301973	7.70	544282	8.61	511623	11.41
PARK AVE -5	316843	7.71	576057	8.61	531349	11.41
PARK AVE -6	326857	7.70	591695	8.61	562315	11.41
VY0624SBL01	300507	7.71	535641	8.61	452693	11.41
VY0624SBS01	456381	7.70	765818	8.61	658494	11.41
VY0624SBSD01	454676	7.71	751533	8.61	644021	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: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG NO.: Q2393

Lab File ID: VY022785.D Date Analyzed: 06/24/2025

Instrument ID: MSVOA_Y Time Analyzed: 09:20

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

	IS4 AREA #	RT #				
12 HOUR STD	340335	13.34				
UPPER LIMIT	680670	13.84				
LOWER LIMIT	170168	12.84				
EPA SAMPLE NO.						
PARK AVE -1	249712	13.34				
PARK AVE -2	278890	13.34				
PARK AVE -3	249630	13.34				
PARK AVE -4	231837	13.34				
PARK AVE -5	229194	13.34				
PARK AVE -6	253297	13.34				
VY0624SBL01	171409	13.34				
VY0624SBS01	311846	13.34				
VY0624SBSD01	303566	13.34				

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:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

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

Raw Data: **VY022786.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

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	54.5		63 - 155	109%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4		70 - 134	105%	SPK: 50
2037-26-5	Toluene-d8	49.2		74 - 123	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.8		17 - 146	86%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	301000	7.707			
540-36-3	1,4-Difluorobenzene	536000	8.61			
3114-55-4	Chlorobenzene-d5	453000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	171000	13.34			

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBL01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBL01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022786.D	1		06/24/25 10:25	VY062425

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:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

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	20.4		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.3		0.79	5.00	ug/Kg
74-83-9	Bromomethane	21.4		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.2		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.5		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.1		1.00	5.00	ug/Kg
67-64-1	Acetone	100		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.7		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	18.3		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.2		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.5		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.1		0.79	5.00	ug/Kg
78-93-3	2-Butanone	100		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.9		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.9		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.5		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.9		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.5		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.1		0.91	5.00	ug/Kg
71-43-2	Benzene	20.1		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.1		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	19.9		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.3		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.4		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	19.8		0.78	5.00	ug/Kg

Raw Data: **VY022787.D**

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Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.6		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.2		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.3		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	98.6		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	18.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.7		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.5		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.0		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.0		0.82	5.00	ug/Kg
100-42-5	Styrene	19.1		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.8		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.1		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	21.8		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	19.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.5		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.4		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.4		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.1		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.0		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.7		63 - 155	101%	SPK: 50
1868-53-7	Dibromofluoromethane	51.1		70 - 134	102%	SPK: 50
2037-26-5	Toluene-d8	50.7		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.5		17 - 146	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	456000	7.701			
540-36-3	1,4-Difluorobenzene	766000	8.61			
3114-55-4	Chlorobenzene-d5	658000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	312000	13.34			

Raw Data: **VY022787.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBS01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBS01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022787.D	1		06/24/25 10:58	VY062425

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:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.6		1.10	5.00	ug/Kg
74-87-3	Chloromethane	19.9		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.6		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.6		1.10	5.00	ug/Kg
75-00-3	Chloroethane	20.0		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	20.7		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	20.0		1.00	5.00	ug/Kg
67-64-1	Acetone	94.2		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.5		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	19.1		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.5		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	17.9		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	19.8		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.3		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.2		0.79	5.00	ug/Kg
78-93-3	2-Butanone	93.6		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.6		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	19.5		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.2		1.20	5.00	ug/Kg
67-66-3	Chloroform	19.7		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.3		0.91	5.00	ug/Kg
71-43-2	Benzene	20.2		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.3		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.6		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.0		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	19.9		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	95.0		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Raw Data: **VY022788.D**

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	19.3		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	19.6		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	19.8		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	90.5		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.6		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.1		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	21.6		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.1		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.1		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.5		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.3		0.82	5.00	ug/Kg
100-42-5	Styrene	19.3		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.0		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	20.5		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	18.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.1		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	19.7		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	19.8		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	19.1		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	20.0		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.6		63 - 155	97%	SPK: 50
1868-53-7	Dibromofluoromethane	49.7		70 - 134	99%	SPK: 50
2037-26-5	Toluene-d8	50.5		74 - 123	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.7		17 - 146	95%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	455000	7.707			
540-36-3	1,4-Difluorobenzene	752000	8.609			
3114-55-4	Chlorobenzene-d5	644000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	304000	13.34			

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

Report of Analysis

Client:	Union Paving & Construction Company	Date Collected:	
Project:	190 Park Ave Hanover Twp NJ - PO 2556-001	Date Received:	
Client Sample ID:	VY0624SBSD01	SDG No.:	Q2393
Lab Sample ID:	VY0624SBSD01	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:	Prep Date	Date Analyzed	Prep Batch ID
VY022788.D	1		06/24/25 11:21	VY062425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
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J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

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

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
Dichlorodifluoromethane	0.424	0.456	0.474	0.424	0.404	0.384	0.428	7.7
Chloromethane	0.837	0.921	0.865	0.793	0.758	0.724	0.816	8.9
Vinyl Chloride	0.934	1.099	1.091	1.045	0.993	0.958	1.020	6.8
Bromomethane	0.784	0.885	0.854	0.771	0.760	0.756	0.802	6.8
Chloroethane	0.649	0.736	0.722	0.694	0.673	0.640	0.686	5.6
Trichlorofluoromethane	0.999	1.180	1.219	1.166	1.127	1.085	1.129	7
1,1,2-Trichlorotrifluoroethane	0.508	0.560	0.547	0.515	0.492	0.474	0.516	6.3
1,1-Dichloroethene	0.478	0.539	0.524	0.514	0.500	0.483	0.506	4.7
Acetone	0.117	0.124	0.114	0.095	0.096	0.087	0.105	13.9
Carbon Disulfide	1.516	1.705	1.731	1.667	1.625	1.566	1.635	5.1
Methyl tert-butyl Ether	1.173	1.398	1.396	1.435	1.460	1.405	1.378	7.5
Methyl Acetate	0.272	0.358	0.440	0.351	0.353	0.322	0.349	15.7
Methylene Chloride	0.840	0.777	0.664	0.590	0.578	0.548	0.666	17.7
trans-1,2-Dichloroethene	0.521	0.604	0.597	0.592	0.581	0.575	0.578	5.2
1,1-Dichloroethane	0.949	1.075	1.079	1.077	1.055	1.030	1.044	4.8
Cyclohexane	0.998	1.021	0.988	0.946	0.905	0.894	0.959	5.4
2-Butanone	0.145	0.160	0.160	0.153	0.156	0.147	0.154	4.4
Carbon Tetrachloride	0.439	0.498	0.507	0.491	0.492	0.491	0.486	5
cis-1,2-Dichloroethene	0.606	0.689	0.687	0.685	0.687	0.678	0.672	4.8
Bromochloromethane	0.437	0.431	0.437	0.459	0.443	0.427	0.439	2.6
Chloroform	0.986	1.130	1.099	1.096	1.084	1.059	1.076	4.6
1,1,1-Trichloroethane	0.847	0.945	0.973	0.950	0.939	0.923	0.929	4.7
Methylcyclohexane	0.543	0.589	0.610	0.618	0.608	0.611	0.596	4.7
Benzene	1.248	1.433	1.451	1.464	1.467	1.440	1.417	5.9
1,2-Dichloroethane	0.335	0.397	0.402	0.400	0.404	0.392	0.388	6.8
Trichloroethene	0.305	0.364	0.382	0.372	0.360	0.350	0.356	7.6
1,2-Dichloropropane	0.289	0.339	0.345	0.339	0.341	0.337	0.332	6.4
Bromodichloromethane	0.422	0.495	0.496	0.498	0.504	0.498	0.485	6.4
4-Methyl-2-Pentanone	0.168	0.201	0.215	0.226	0.230	0.221	0.210	10.9
Toluene	0.747	0.873	0.908	0.926	0.955	0.954	0.894	8.8

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

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: MSVOA_Y Calibration Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Calibration Time(s): 13:38 15:31

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

LAB FILE ID: RRF005 = VY022776.D RRF010 = VY022777.D RRF020 = VY022778.D
RRF050 = VY022779.D RRF100 = VY022780.D RRF150 = VY022781.D

COMPOUND	RRF005	RRF010	RRF020	RRF050	RRF100	RRF150	$\overline{RRF}$	% RSD
t-1,3-Dichloropropene	0.355	0.430	0.438	0.451	0.473	0.473	0.437	10
cis-1,3-Dichloropropene	0.412	0.503	0.523	0.524	0.540	0.538	0.506	9.6
1,1,2-Trichloroethane	0.207	0.249	0.249	0.253	0.255	0.250	0.244	7.4
2-Hexanone	0.115	0.140	0.145	0.151	0.157	0.149	0.143	10.5
Dibromochloromethane	0.260	0.315	0.321	0.329	0.336	0.329	0.315	8.8
1,2-Dibromoethane	0.193	0.231	0.229	0.237	0.244	0.236	0.228	7.8
Tetrachloroethene	0.399	0.465	0.535	0.515	0.473	0.446	0.472	10.3
Chlorobenzene	0.981	1.110	1.131	1.126	1.130	1.114	1.099	5.3
Ethyl Benzene	1.644	1.881	1.971	2.029	2.040	2.018	1.930	7.9
m/p-Xylenes	0.624	0.722	0.759	0.782	0.800	0.791	0.746	8.8
o-Xylene	0.578	0.674	0.708	0.734	0.759	0.765	0.703	10
Styrene	0.926	1.108	1.165	1.249	1.309	1.309	1.178	12.5
Bromoform	0.178	0.204	0.203	0.212	0.225	0.220	0.207	8
Isopropylbenzene	3.354	3.764	3.823	3.778	3.709	3.759	3.698	4.7
1,1,2,2-Tetrachloroethane	0.597	0.659	0.566	0.567	0.594	0.593	0.596	5.6
1,3-Dichlorobenzene	1.546	1.660	1.692	1.708	1.750	1.744	1.683	4.5
1,4-Dichlorobenzene	1.564	1.740	1.688	1.685	1.690	1.666	1.672	3.5
1,2-Dichlorobenzene	1.395	1.488	1.502	1.499	1.515	1.502	1.483	3
1,2-Dibromo-3-Chloropropane	0.102	0.101	0.103	0.103	0.102	0.096	0.101	2.7
1,2,4-Trichlorobenzene	0.778	0.841	0.848	0.843	0.871	0.845	0.838	3.7
1,2,3-Trichlorobenzene	0.679	0.723	0.735	0.728	0.751	0.727	0.724	3.3
1,2-Dichloroethane-d4	0.568	0.550	0.557	0.559	0.571	0.545	0.558	1.8
Dibromofluoromethane	0.306	0.297	0.295	0.304	0.314	0.308	0.304	2.3
Toluene-d8	1.182	1.148	1.186	1.215	1.262	1.247	1.207	3.6
4-Bromofluorobenzene	0.368	0.362	0.370	0.385	0.423	0.421	0.388	7

* 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: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: MSVOA_Y Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.428	0.390		-8.88	20
Chloromethane	0.816	0.733	0.1	-10.17	20
Vinyl Chloride	1.020	0.931		-8.73	20
Bromomethane	0.802	0.695		-13.34	20
Chloroethane	0.686	0.626		-8.75	20
Trichlorofluoromethane	1.129	1.023		-9.39	20
1,1,2-Trichlorotrifluoroethane	0.516	0.503		-2.52	20
1,1-Dichloroethene	0.506	0.489		-3.36	20
Acetone	0.105	0.124		18.09	20
Carbon Disulfide	1.635	1.605		-1.84	20
Methyl tert-butyl Ether	1.378	1.347		-2.25	20
Methyl Acetate	0.349	0.296		-15.19	20
Methylene Chloride	0.666	0.577		-13.36	20
trans-1,2-Dichloroethene	0.578	0.559		-3.29	20
1,1-Dichloroethane	1.044	1.022	0.1	-2.11	20
Cyclohexane	0.959	0.899		-6.26	20
2-Butanone	0.154	0.159		3.25	20
Carbon Tetrachloride	0.486	0.484		-0.41	20
cis-1,2-Dichloroethene	0.672	0.652		-2.98	20
Bromochloromethane	0.439	0.438		-0.23	20
Chloroform	1.076	1.045		-2.79	20
1,1,1-Trichloroethane	0.929	0.904		-2.69	20
Methylcyclohexane	0.596	0.602		1.01	20
Benzene	1.417	1.410		-0.49	20
1,2-Dichloroethane	0.388	0.391		0.77	20
Trichloroethene	0.356	0.347		-2.53	20
1,2-Dichloropropane	0.332	0.331		-0.3	20
Bromodichloromethane	0.485	0.484		-0.21	20
4-Methyl-2-Pentanone	0.210	0.214		1.9	20
Toluene	0.894	0.889		-0.56	20
t-1,3-Dichloropropene	0.437	0.441		0.92	20
cis-1,3-Dichloropropene	0.506	0.512		1.19	20
1,1,2-Trichloroethane	0.244	0.245		0.41	20
2-Hexanone	0.143	0.150		4.89	20
Dibromochloromethane	0.315	0.315		0	20
1,2-Dibromoethane	0.228	0.226		-0.88	20
Tetrachloroethene	0.472	0.441		-6.57	20
Chlorobenzene	1.099	1.101	0.3	0.18	20

All other compounds must meet a minimum RRF of 0.010.
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284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
Fax : 908 789 8922

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: UNIO02

Lab Code: CHEM Case No.: Q2393 SAS No.: Q2393 SDG No.: Q2393

Instrument ID: MSVOA_Y Calibration Date/Time: 06/24/2025 09:20

Lab File ID: VY022785.D Init. Calib. Date(s): 06/23/2025 06/23/2025

Heated Purge: (Y/N) Y Init. Calib. Time(s): 13:38 15:31

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.930	1.991		3.16	20
m/p-Xylenes	0.746	0.768		2.95	20
o-Xylene	0.703	0.719		2.28	20
Styrene	1.178	1.214		3.06	20
Bromoform	0.207	0.204	0.1	-1.45	20
Isopropylbenzene	3.698	3.705		0.19	20
1,1,2,2-Tetrachloroethane	0.596	0.613	0.3	2.85	20
1,3-Dichlorobenzene	1.683	1.685		0.12	20
1,4-Dichlorobenzene	1.672	1.646		-1.55	20
1,2-Dichlorobenzene	1.483	1.446		-2.49	20
1,2-Dibromo-3-Chloropropane	0.101	0.097		-3.96	20
1,2,4-Trichlorobenzene	0.838	0.807		-3.7	20
1,2,3-Trichlorobenzene	0.724	0.692		-4.42	20
1,2-Dichloroethane-d4	0.558	0.544		-2.51	20
Dibromofluoromethane	0.304	0.310		1.97	20
Toluene-d8	1.207	1.226		1.57	20
4-Bromofluorobenzene	0.388	0.387		-0.26	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\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 01:26:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

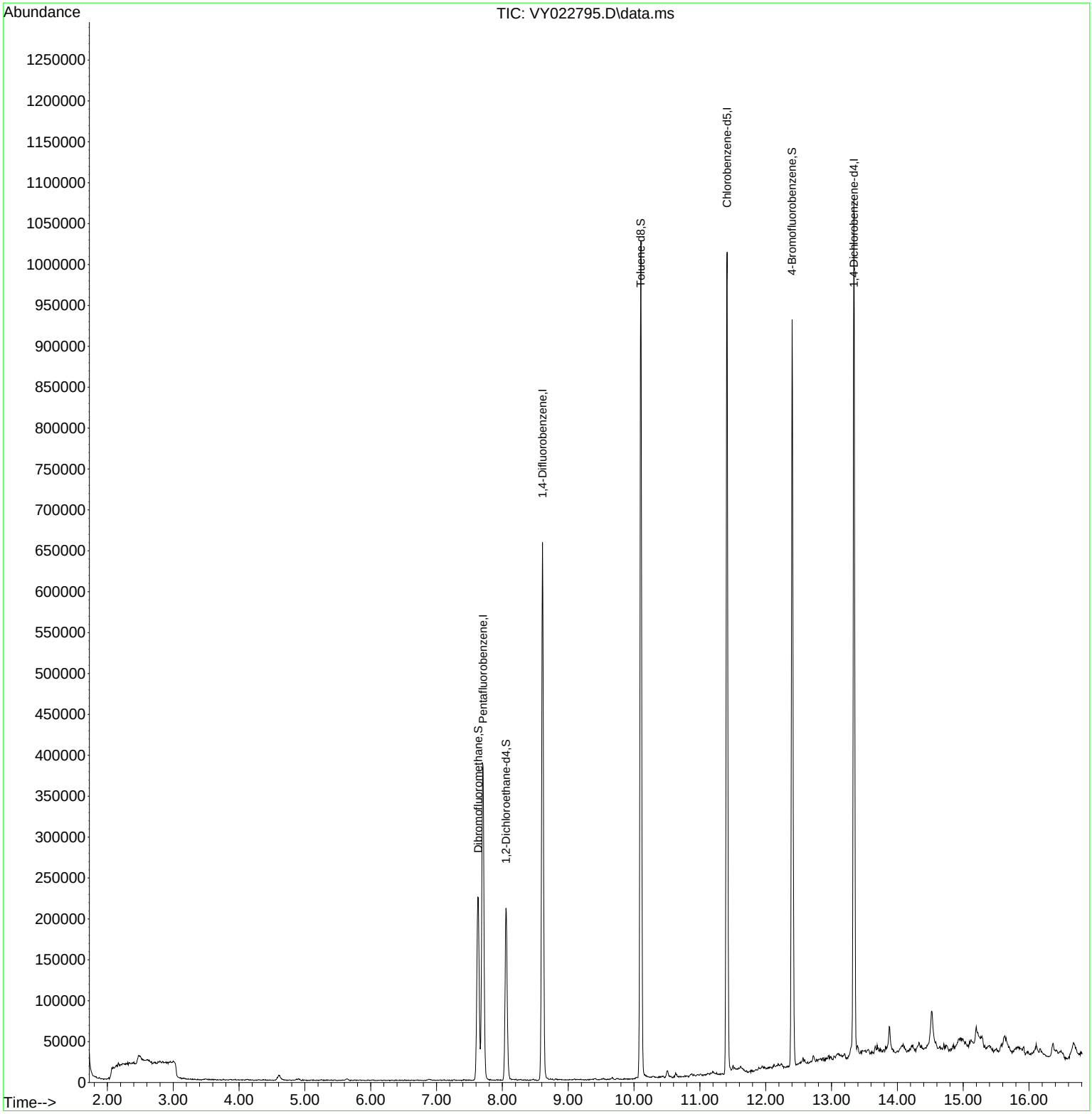
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	304407	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	544800	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	523860	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249712	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165094	48.593	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.180%			
35) Dibromofluoromethane	7.634	113	162370	49.007	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.020%			
50) Toluene-d8	10.103	98	652469	49.628	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.260%			
62) 4-Bromofluorobenzene	12.401	95	243354	57.579	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 115.160%			
Target Compounds						Qvalue

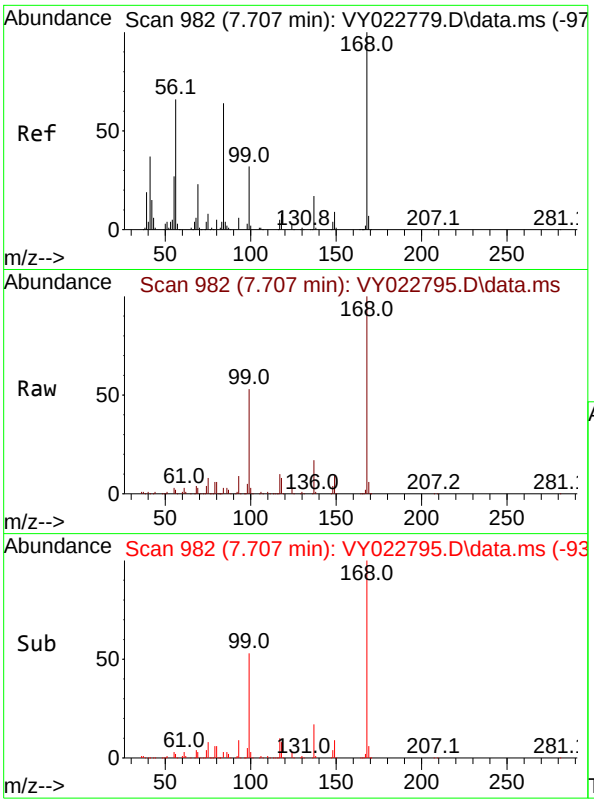
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Time: Jun 25 01:26:10 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



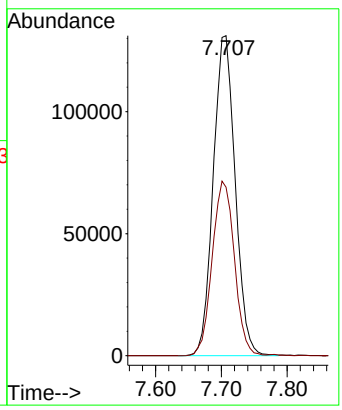


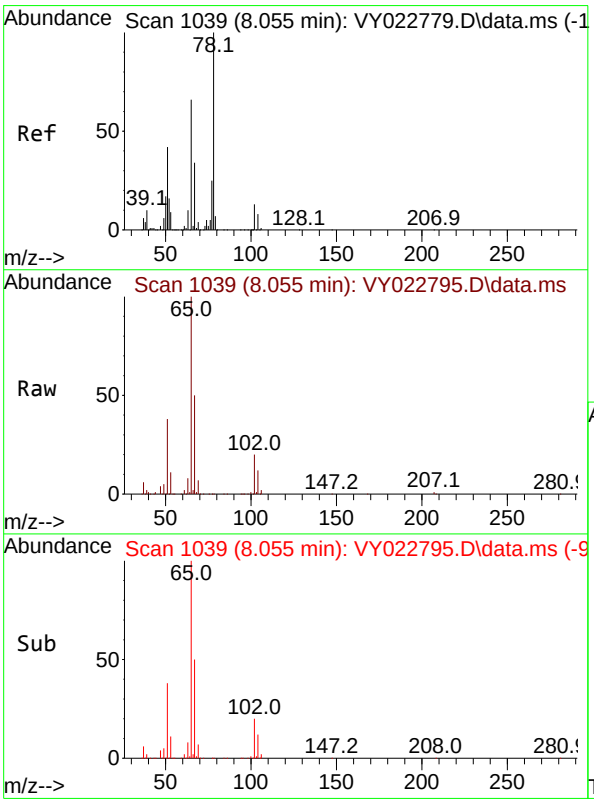
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:168 Resp: 304407

Ion	Ratio	Lower	Upper
168	100		
99	52.6	44.3	66.5

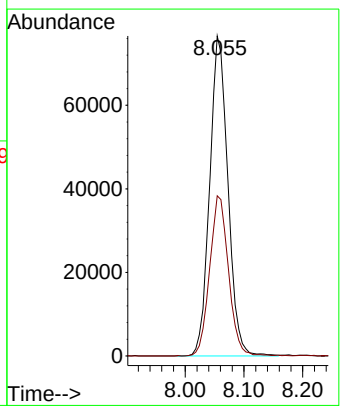


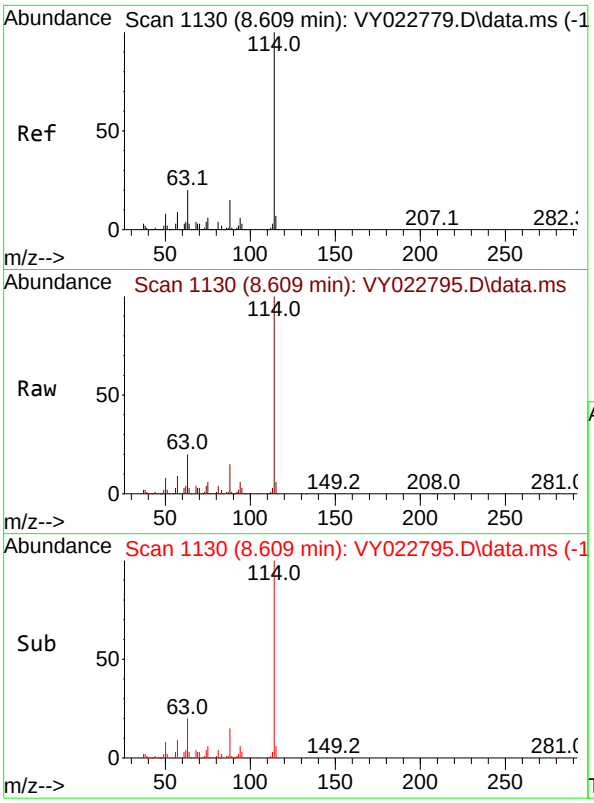


#33
1,2-Dichloroethane-d4
Concen: 48.593 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.013 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 65 Resp: 165094

Ion	Ratio	Lower	Upper
65	100		
67	51.7	0.0	103.4



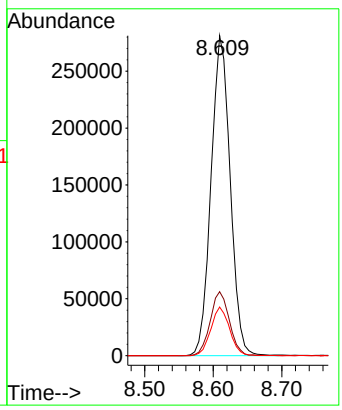


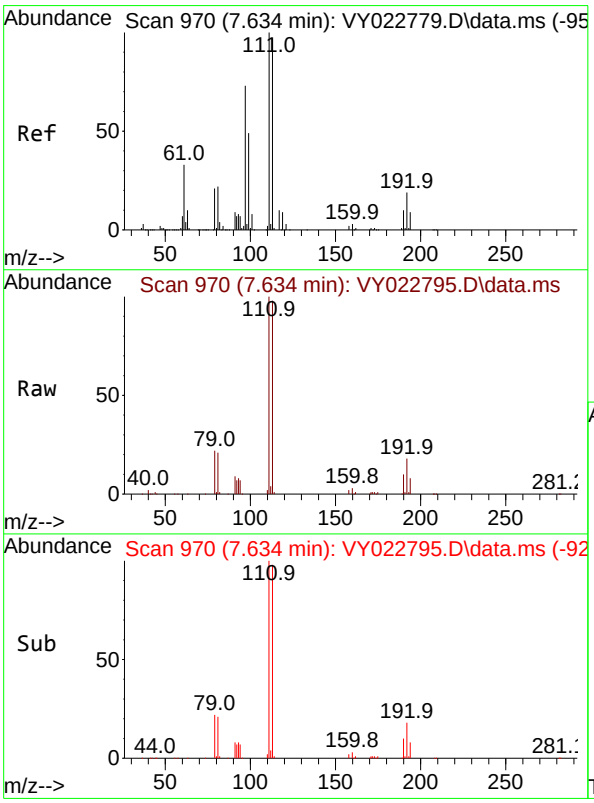
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:114 Resp: 544800

Ion	Ratio	Lower	Upper
114	100		
63	20.0	0.0	40.8
88	15.2	0.0	27.8

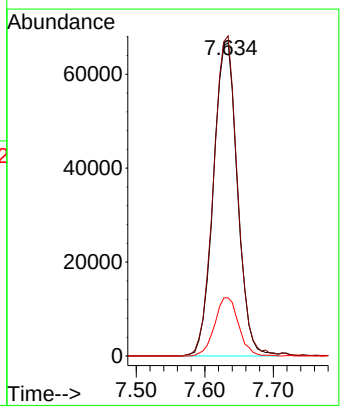


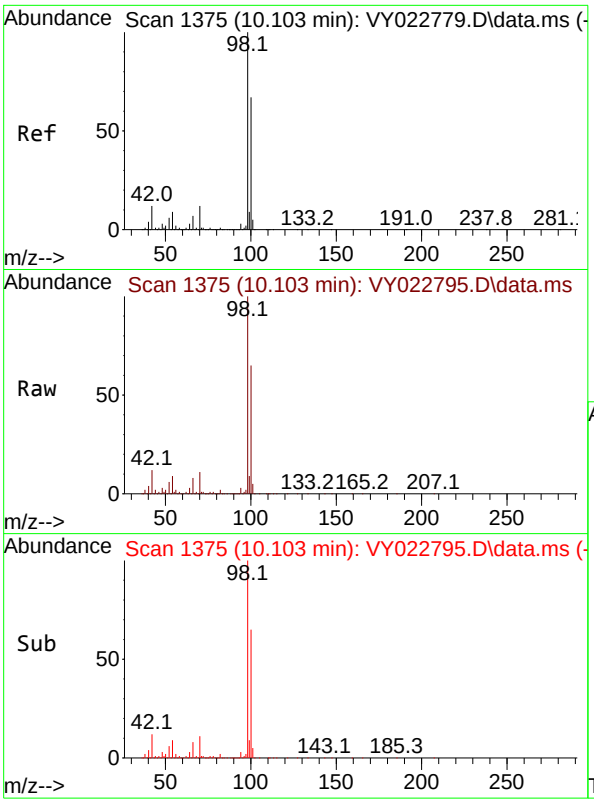


#35
Dibromofluoromethane
Concen: 49.007 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion:113 Resp: 162370

Ion	Ratio	Lower	Upper
113	100		
111	101.8	81.1	121.7
192	18.5	14.2	21.2



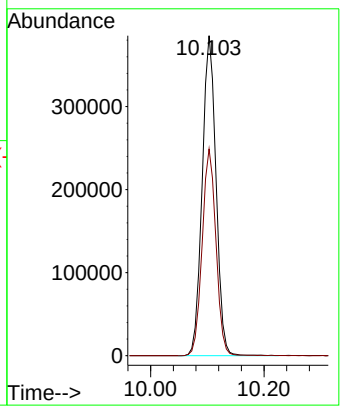


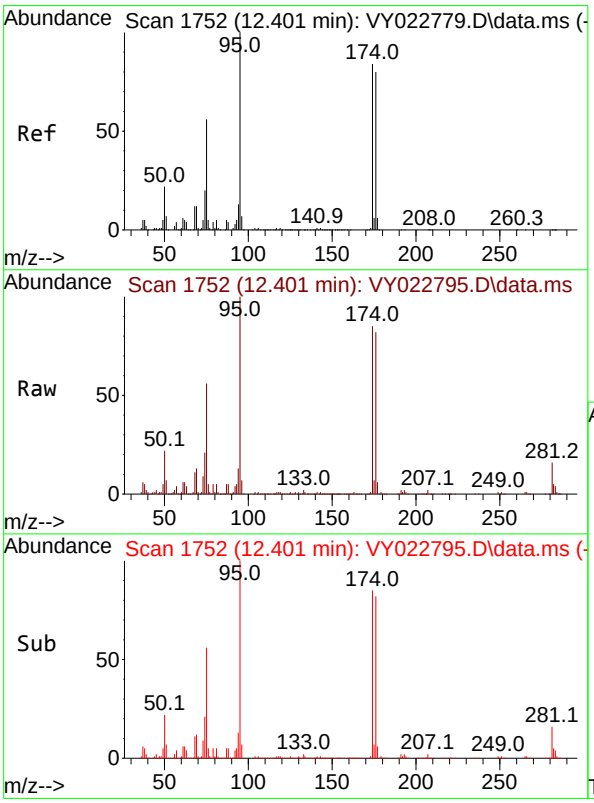
#50
Toluene-d8
Concen: 49.628 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion: 98 Resp: 652469

Ion	Ratio	Lower	Upper
98	100		
100	64.3	51.4	77.0

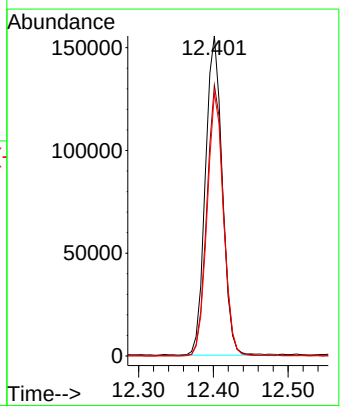


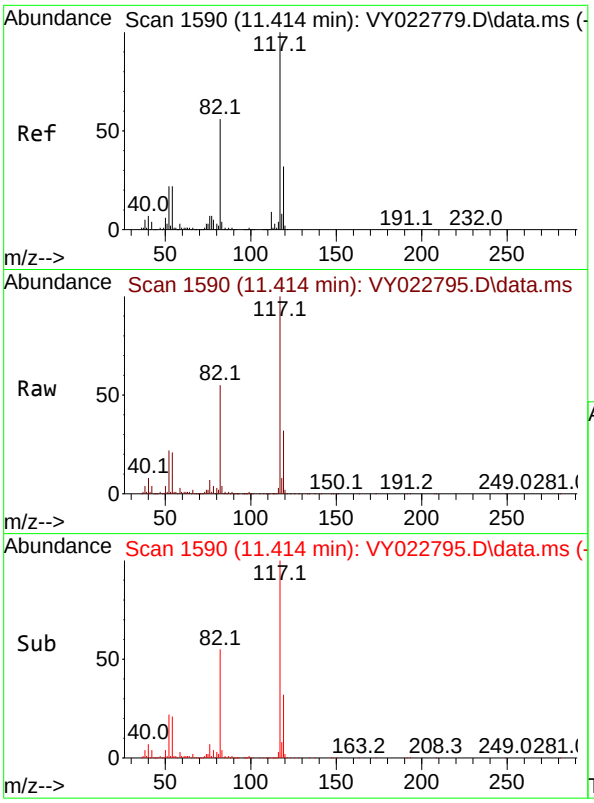


#62
4-Bromofluorobenzene
Concen: 57.579 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion: 95 Resp: 243354

Ion	Ratio	Lower	Upper
95	100		
174	83.9	0.0	170.0
176	80.1	0.0	166.2



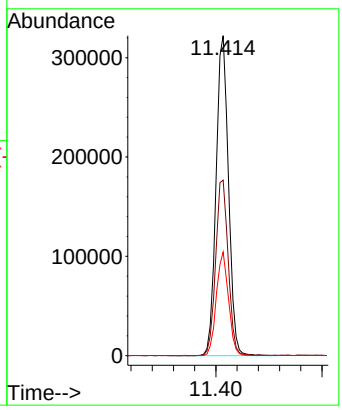


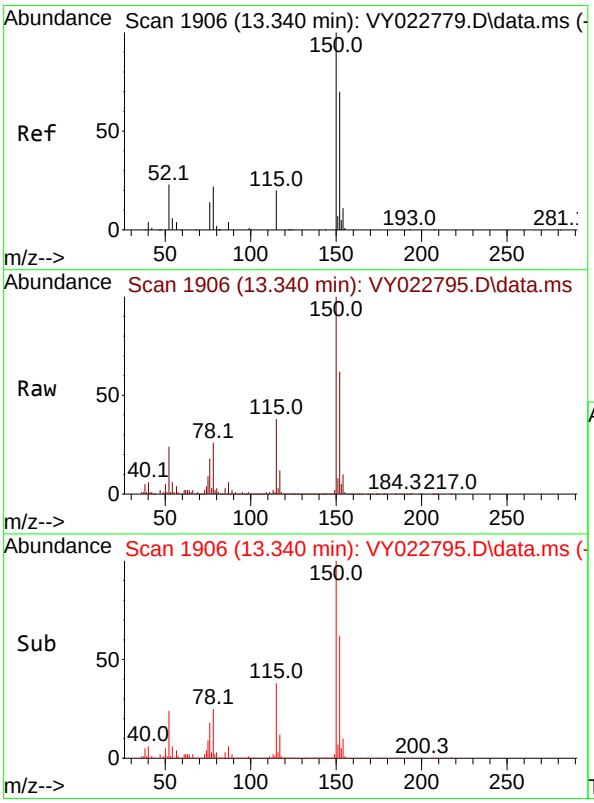
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Tgt Ion:117 Resp: 523860

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	66.8
119	32.4	25.4	38.0

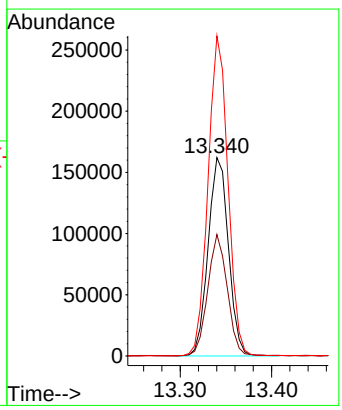




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022795.D
Acq: 24 Jun 2025 14:19

Tgt Ion:152 Resp: 249712

Ion	Ratio	Lower	Upper
152	100		
115	58.4	28.9	86.7
150	158.3	0.0	349.6



Sample Results: **VY022795.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022795.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.068	51	57	58	rBV3	13683	19417	1.12%	0.195%
2	4.604	465	473	481	rBV6	6184	19469	1.12%	0.196%
3	7.628	956	969	975	rBV	224050	550378	31.72%	5.528%
4	7.701	975	981	997	rVB	387902	910778	52.49%	9.149%
5	8.055	1030	1039	1049	rBV	210479	471352	27.16%	4.735%
6	8.609	1119	1130	1142	rBV	657685	1278105	73.66%	12.838%
7	10.103	1368	1375	1384	rBV	1022855	1735215	100.00%	17.430%
8	10.511	1434	1442	1445	rBV3	8630	18365	1.06%	0.184%
9	11.414	1582	1590	1600	rBV	1005297	1662443	95.81%	16.699%
10	12.401	1745	1752	1761	rBV2	912980	1575699	90.81%	15.828%
11	13.340	1900	1906	1913	rVB	1039404	1557478	89.76%	15.645%
12	13.877	1991	1994	2001	rVB2	28567	49614	2.86%	0.498%
13	14.523	2096	2100	2109	rVB3	38752	88169	5.08%	0.886%
14	15.200	2208	2211	2214	rBV5	13711	18846	1.09%	0.189%

Sum of corrected areas: 9955328

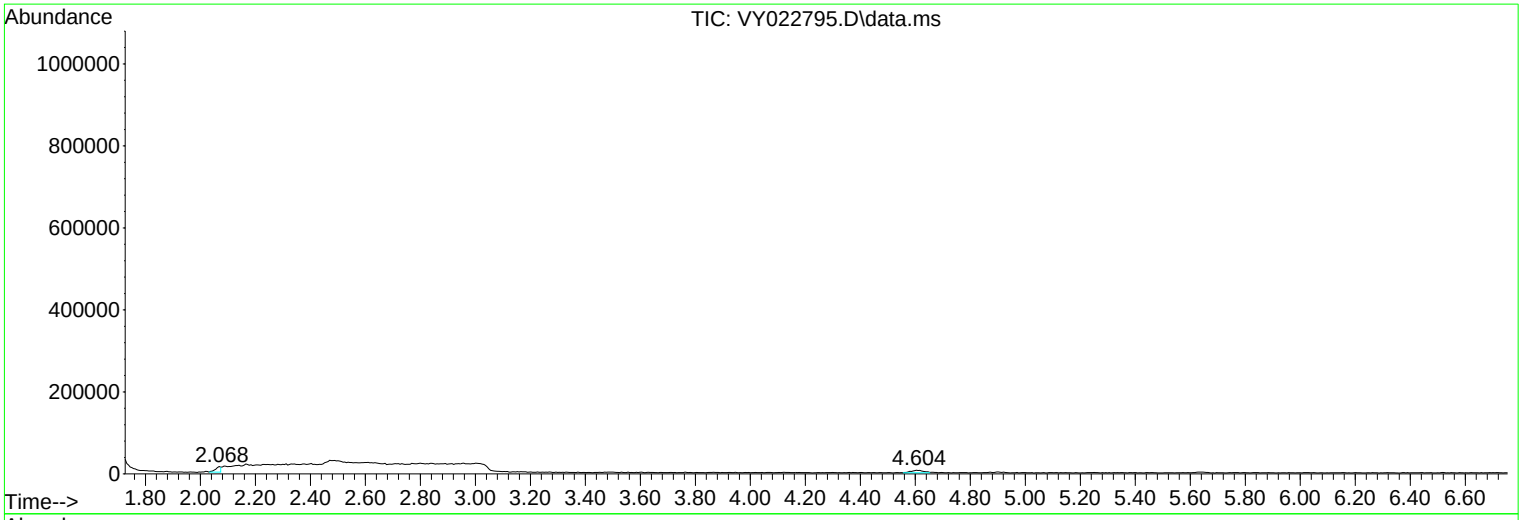
Sample Results: **VY022795.D**

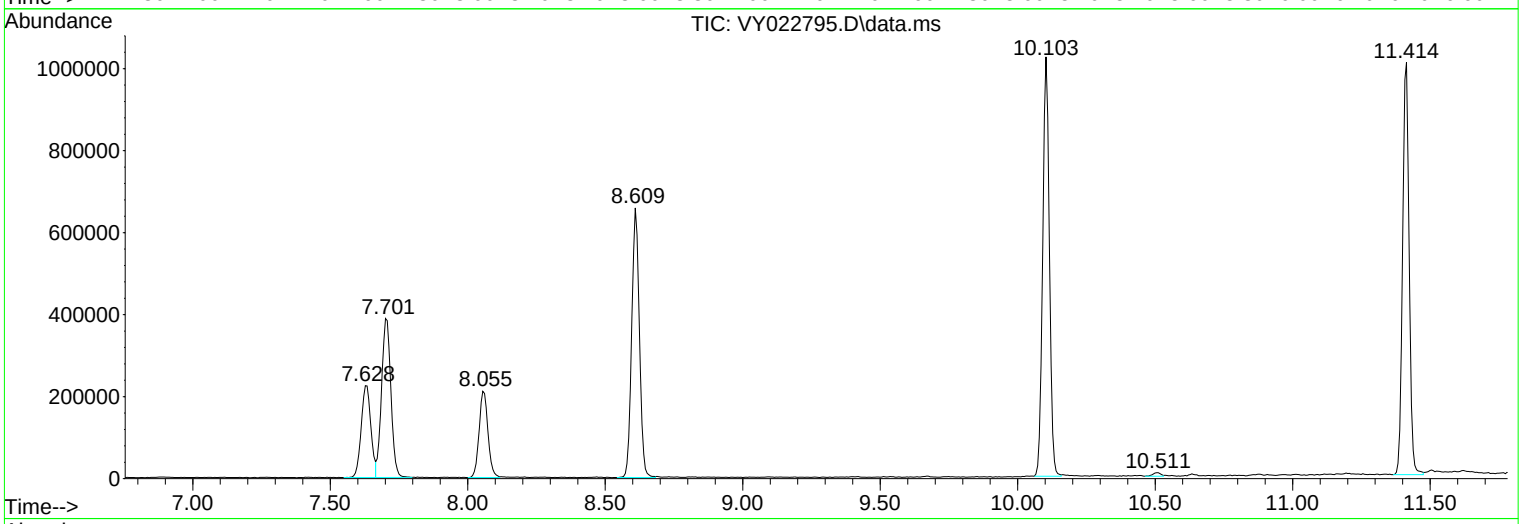
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

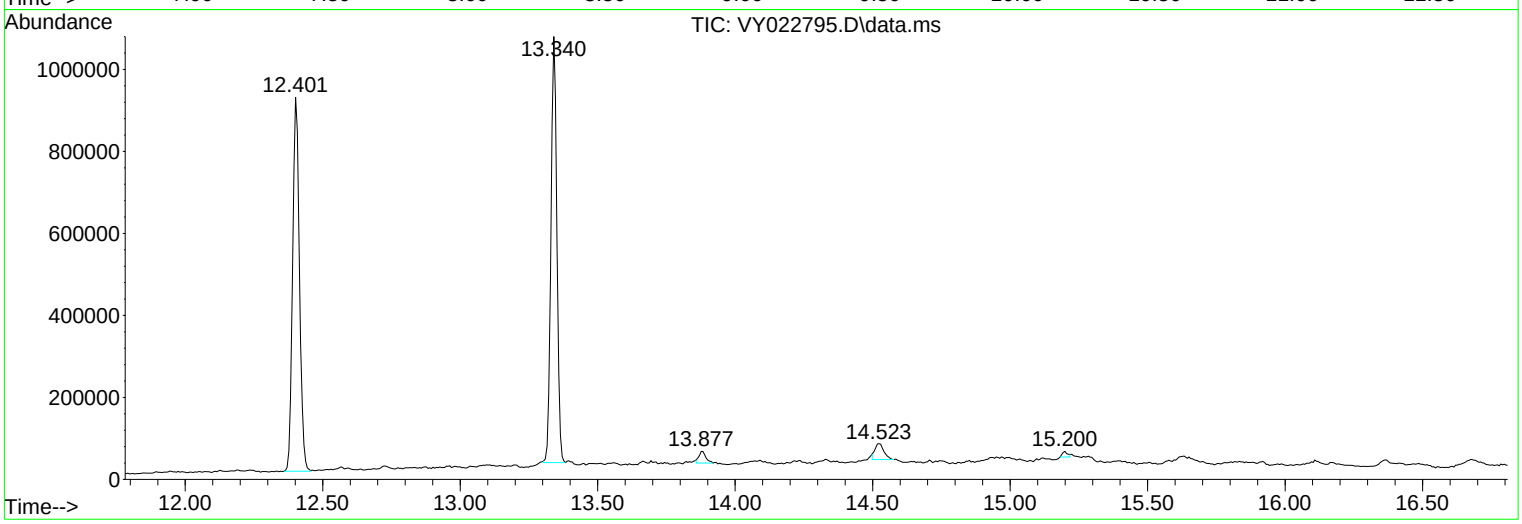
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022795.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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_Y\Data\VY062425\
Data File : VY022795.D
Acq On : 24 Jun 2025 14:19
Operator : SY/MD
Sample : Q2393-02
Misc : 6.33g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	303546	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	553566	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	552957	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	278890	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	189174	55.838	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 111.680%			
35) Dibromofluoromethane	7.628	113	175070	52.003	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.000%			
50) Toluene-d8	10.103	98	667750	49.986	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.980%			
62) 4-Bromofluorobenzene	12.401	95	262300	61.079	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 122.160%			

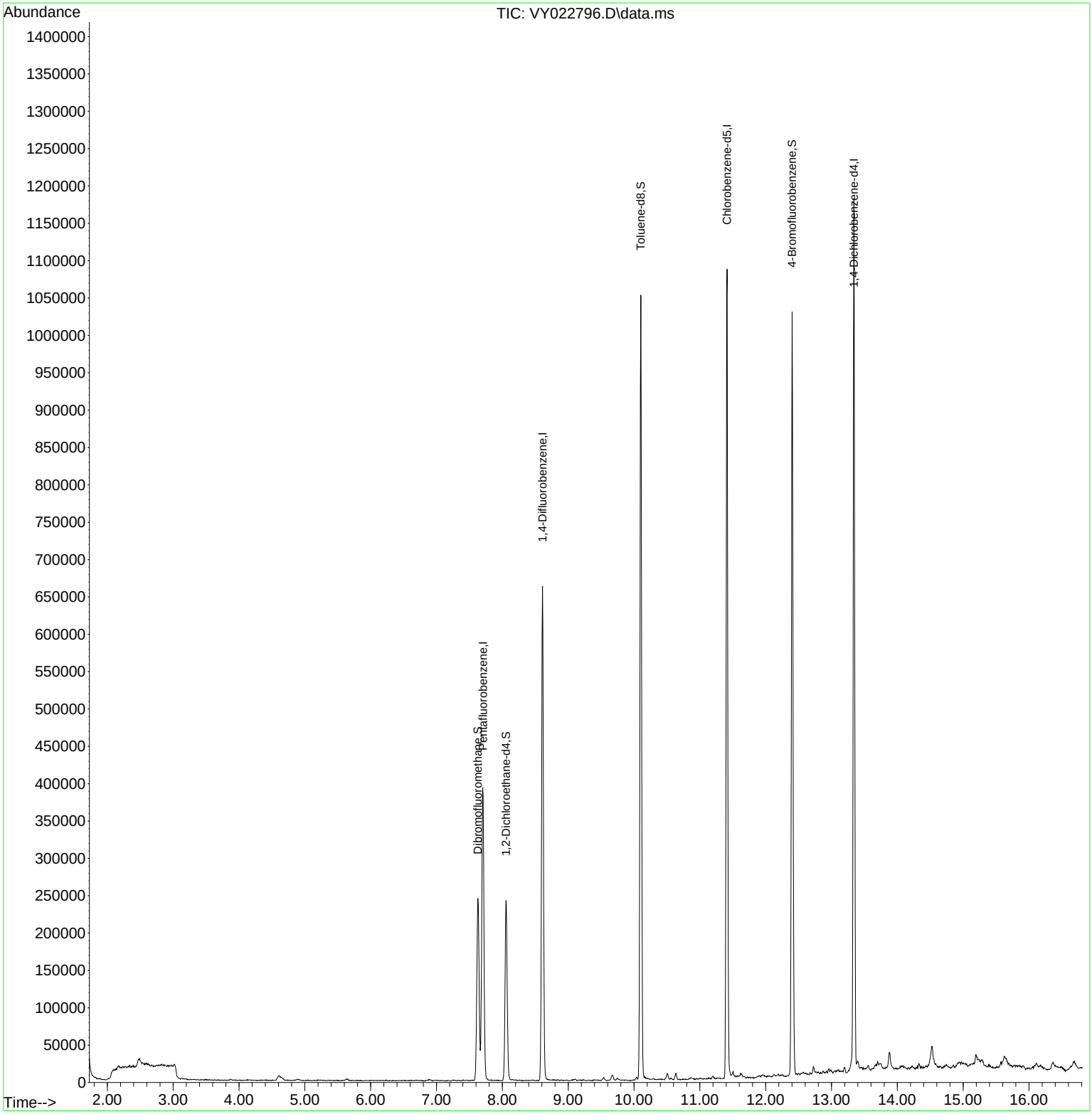
Target Compounds Qvalue

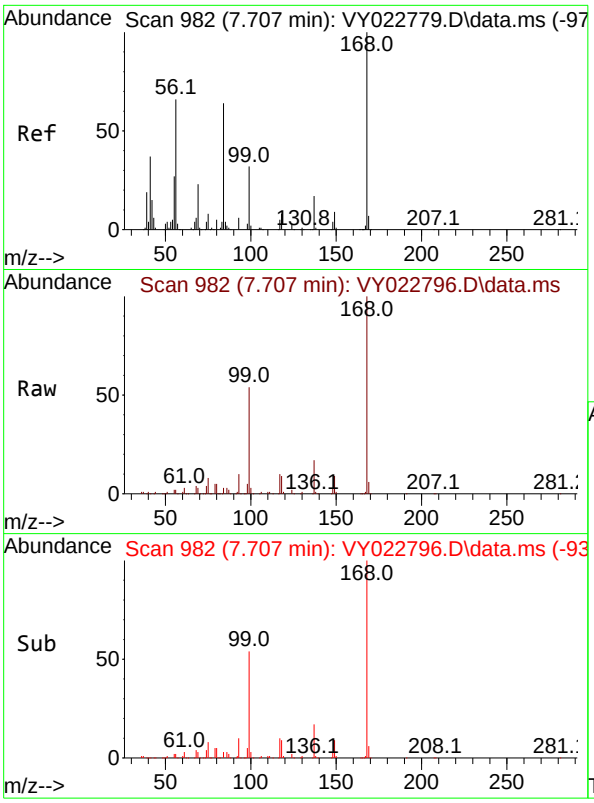
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Time: Jun 25 01:26:32 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



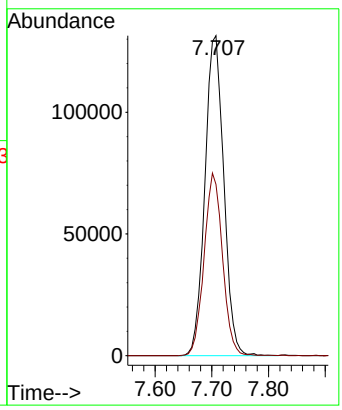


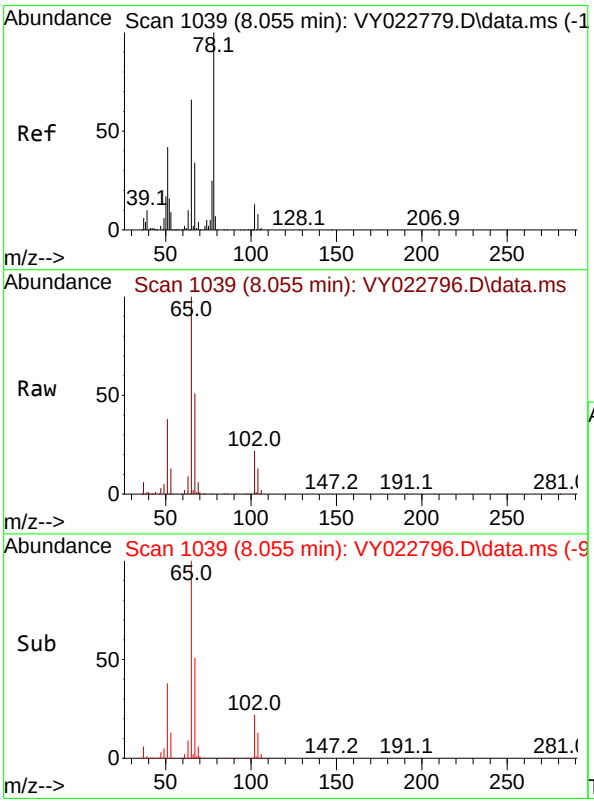
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:168 Resp: 303546

Ion	Ratio	Lower	Upper
168	100		
99	53.5	44.3	66.5

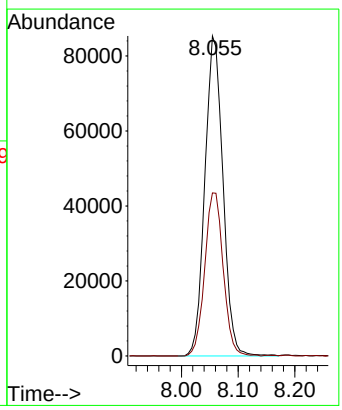


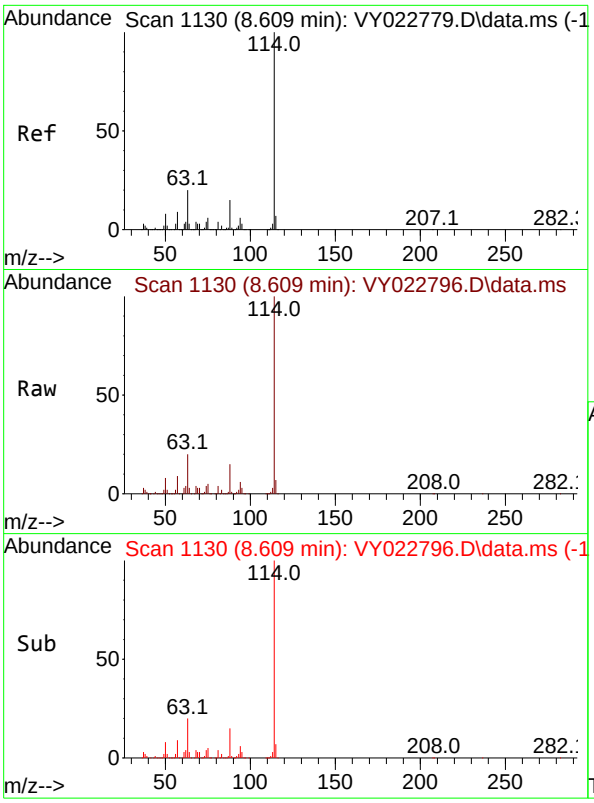


#33
1,2-Dichloroethane-d4
Concen: 55.838 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 65 Resp: 189174

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



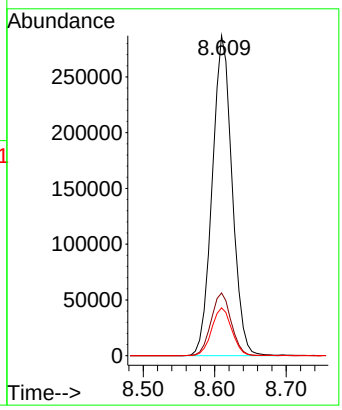


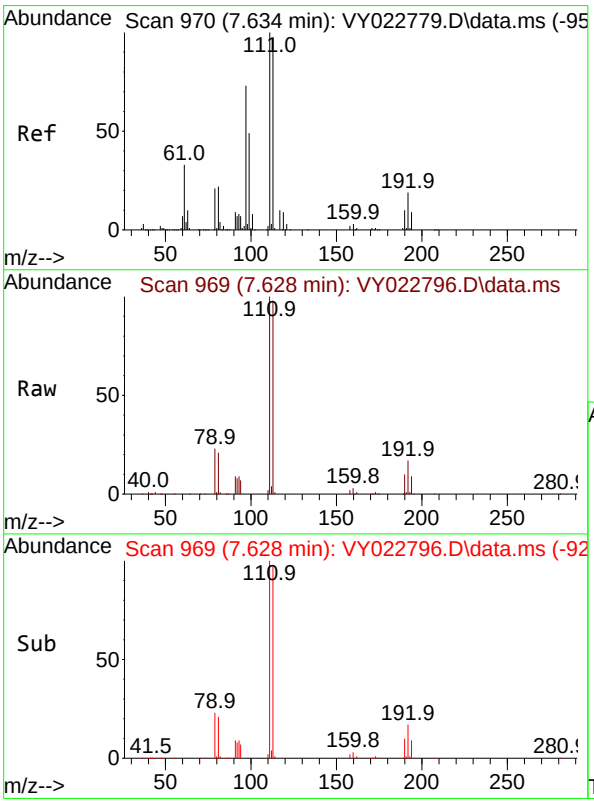
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:114 Resp: 553566

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	40.8
88	14.9	0.0	27.8

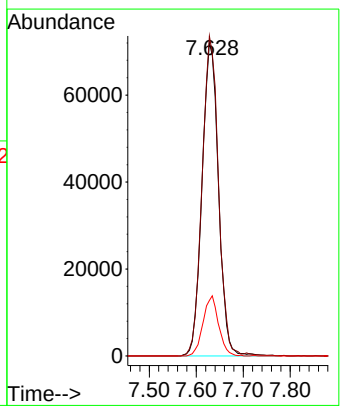


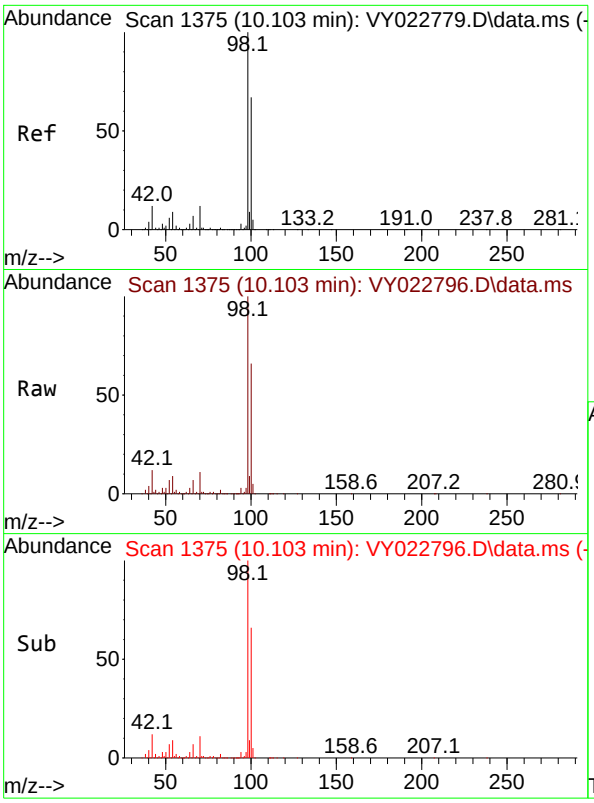


#35
Dibromofluoromethane
Concen: 52.003 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion:113 Resp: 175070

Ion	Ratio	Lower	Upper
113	100		
111	101.2	81.1	121.7
192	18.1	14.2	21.2



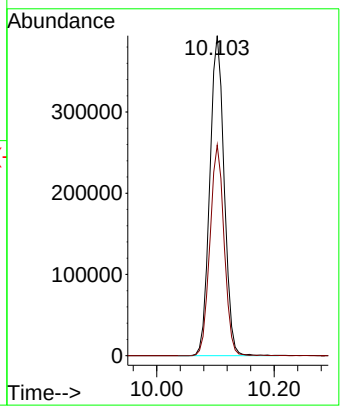


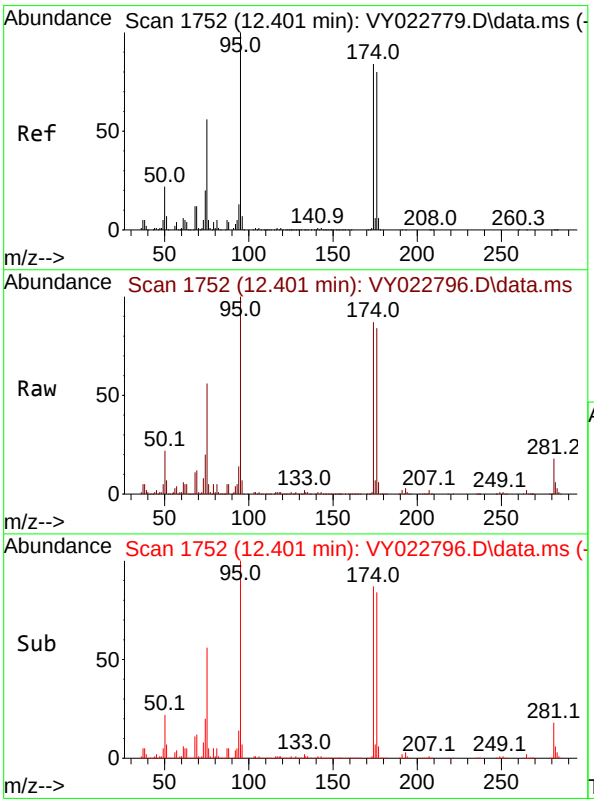
#50
Toluene-d8
Concen: 49.986 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion: 98 Resp: 667750

Ion	Ratio	Lower	Upper
98	100		
100	65.0	51.4	77.0

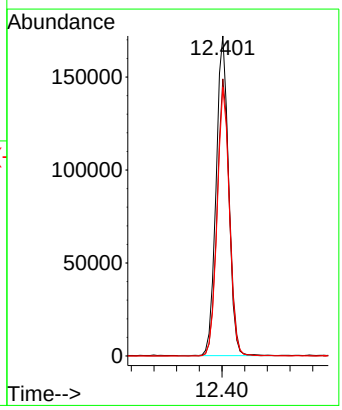


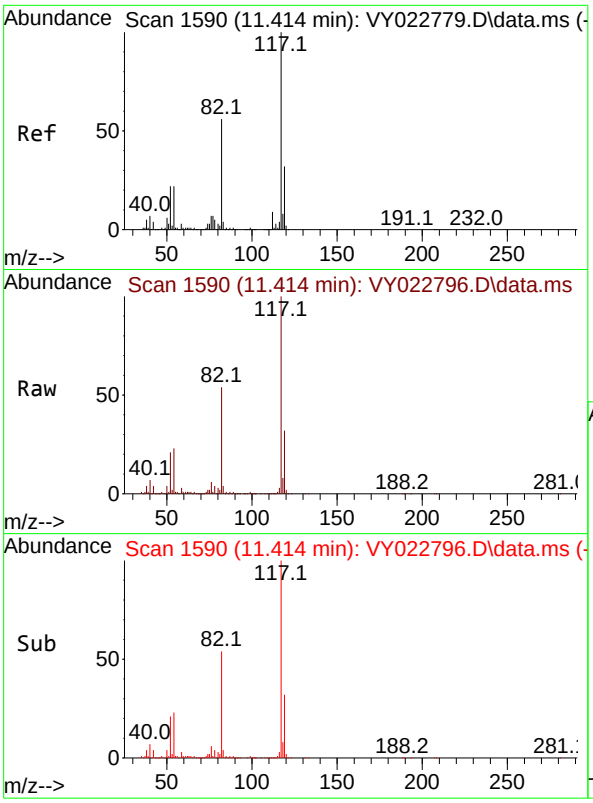


#62
4-Bromofluorobenzene
Concen: 61.079 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion: 95 Resp: 262300

Ion	Ratio	Lower	Upper
95	100		
174	86.3	0.0	170.0
176	82.5	0.0	166.2



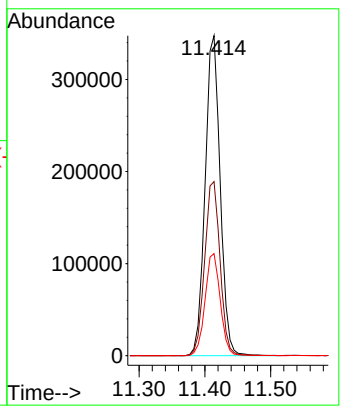


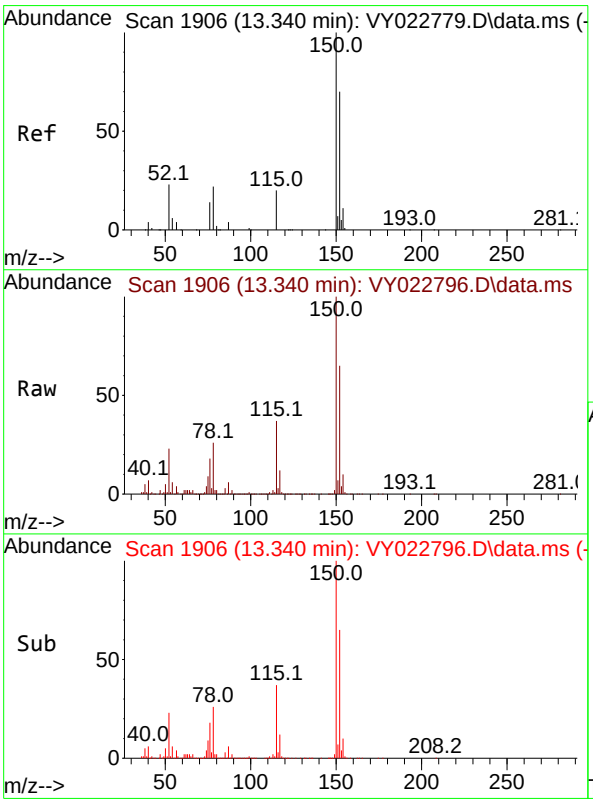
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Tgt Ion:117 Resp: 552957

Ion	Ratio	Lower	Upper
117	100		
82	54.4	44.6	66.8
119	31.9	25.4	38.0

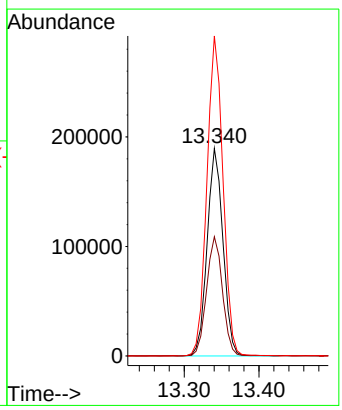




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022796.D
Acq: 24 Jun 2025 14:42

Tgt Ion:152 Resp: 278890

Ion	Ratio	Lower	Upper
152	100		
115	57.7	28.9	86.7
150	156.6	0.0	349.6



Sample Results: **VY022796.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022796.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.092	50	61	64	rBV3	12401	38372	2.15%	0.362%
2	2.172	69	74	80	rVV10	5725	20170	1.13%	0.190%
3	7.628	959	969	975	rBV	243792	585580	32.86%	5.518%
4	7.701	975	981	992	rVB	390542	900381	50.52%	8.485%
5	8.055	1030	1039	1051	rBV	241522	542633	30.45%	5.113%
6	8.609	1120	1130	1144	rBV	662257	1302233	73.07%	12.271%
7	10.103	1367	1375	1383	rBV	1049674	1782231	100.00%	16.794%
8	11.414	1582	1590	1600	rBV	1083501	1761486	98.84%	16.599%
9	12.401	1743	1752	1761	rBV2	1023241	1750562	98.22%	16.496%
10	13.340	1895	1906	1912	rBV	1165136	1763490	98.95%	16.618%
11	13.877	1989	1994	2006	rVB2	22318	54144	3.04%	0.510%
12	14.523	2092	2100	2109	rBV4	25286	67090	3.76%	0.632%
13	15.194	2206	2210	2214	rBV5	12358	23323	1.31%	0.220%
14	16.364	2396	2402	2407	rBV9	8322	20371	1.14%	0.192%

Sum of corrected areas: 10612066

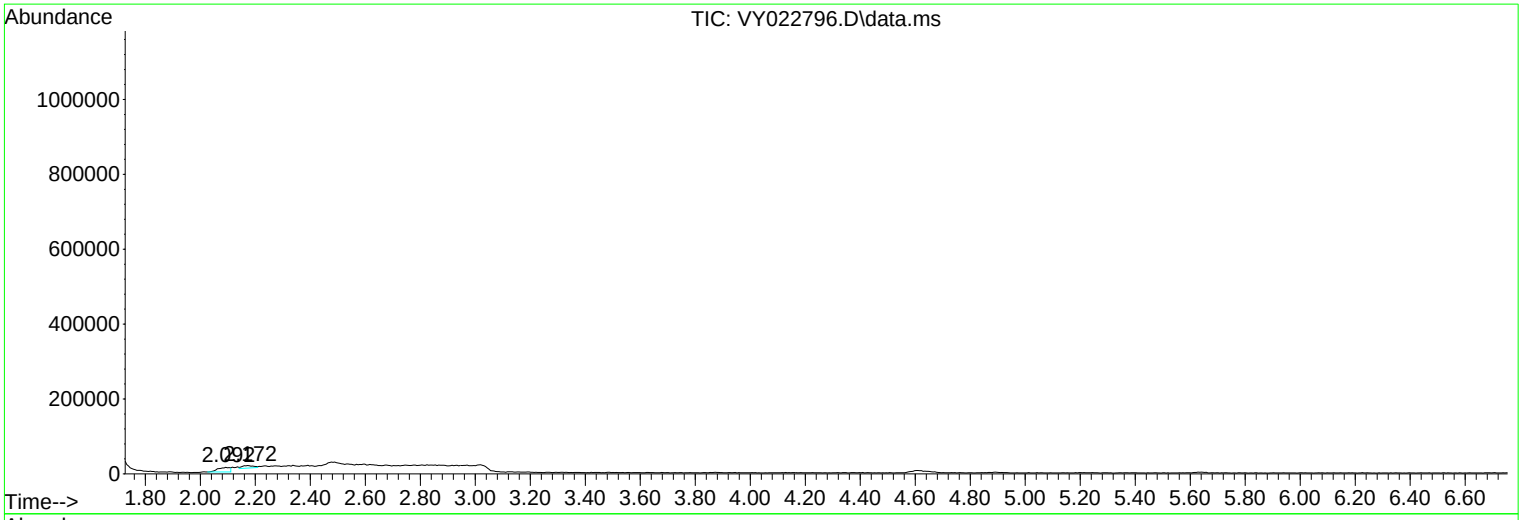
Sample Results: **VY022796.D**

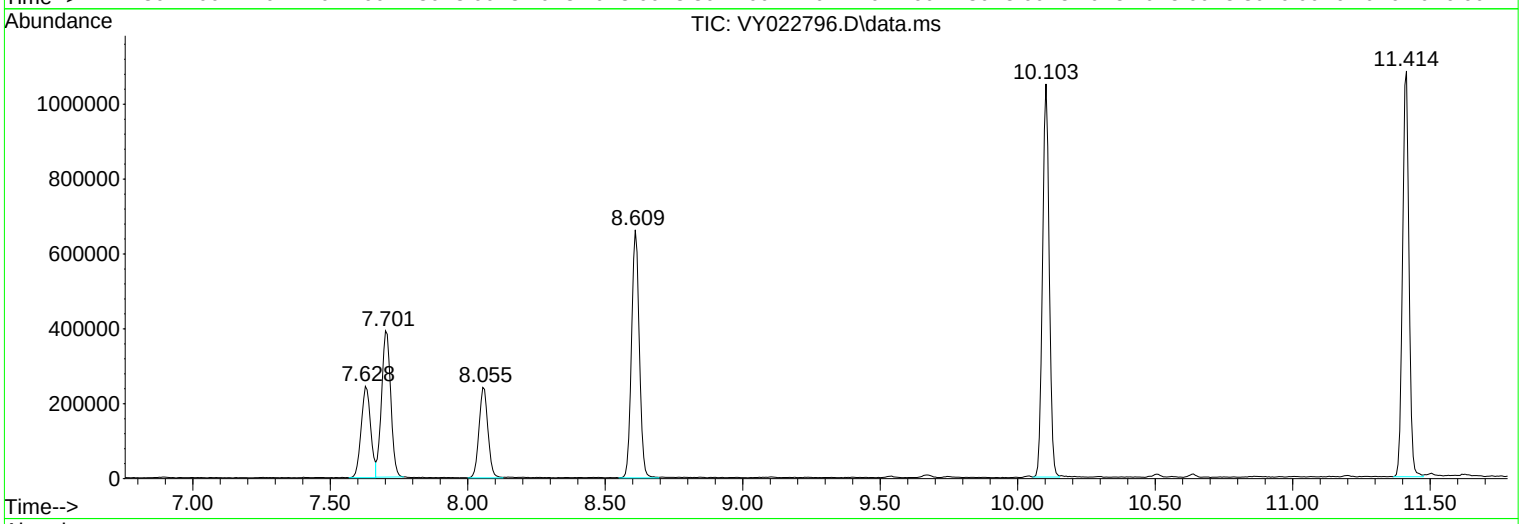
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

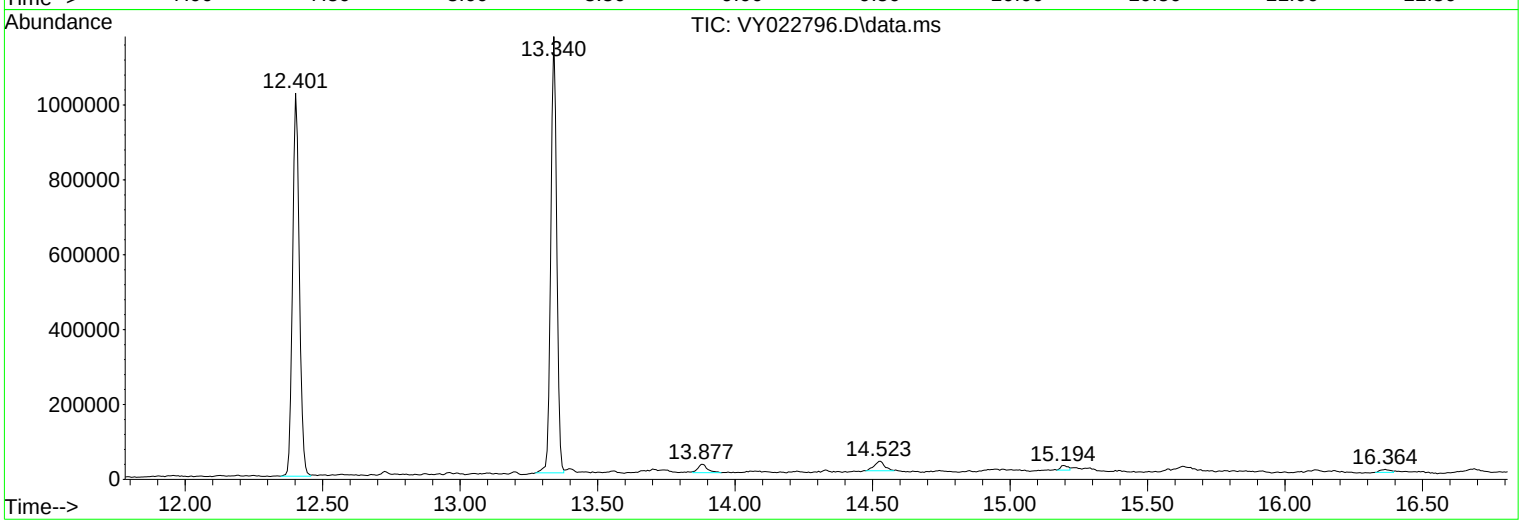
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022796.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022796.D
Acq On : 24 Jun 2025 14:42
Operator : SY/MD
Sample : Q2393-04
Misc : 8.44g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Time: Jun 25 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

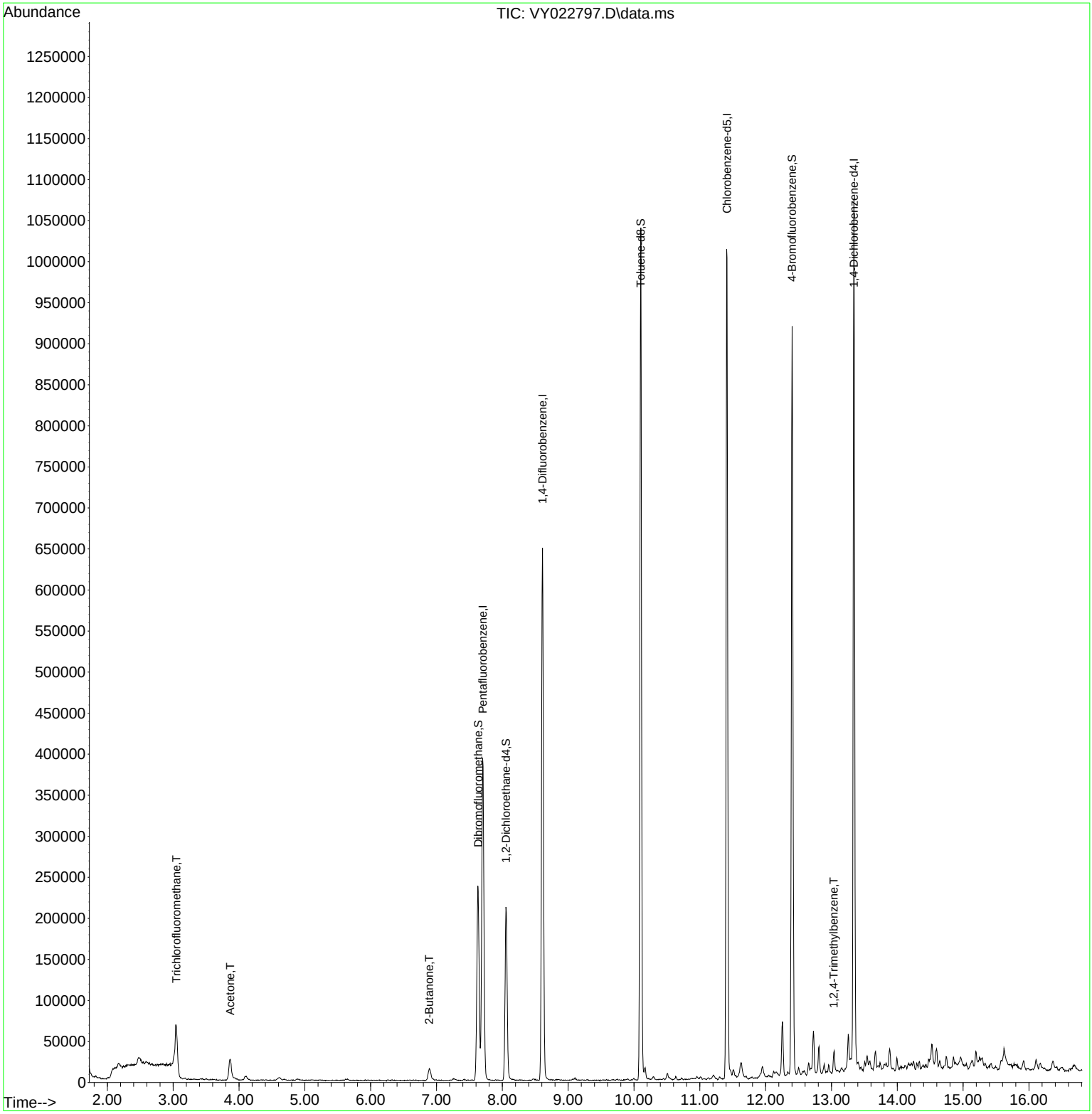
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	300789	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	557410	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	524757	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	249630	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	163834	48.802	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.600%			
35) Dibromofluoromethane	7.634	113	167237	49.334	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.660%			
50) Toluene-d8	10.103	98	650647	48.370	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.740%			
62) 4-Bromofluorobenzene	12.402	95	244323	56.501	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 113.000%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.050	101	57159	8.413	ug/l	95
16) Acetone	3.866	43	45449	71.627	ug/l	97
25) 2-Butanone	6.890	43	25712	27.842	ug/l	93
84) 1,2,4-Trimethylbenzene	13.036	105	15601	1.046	ug/l	93

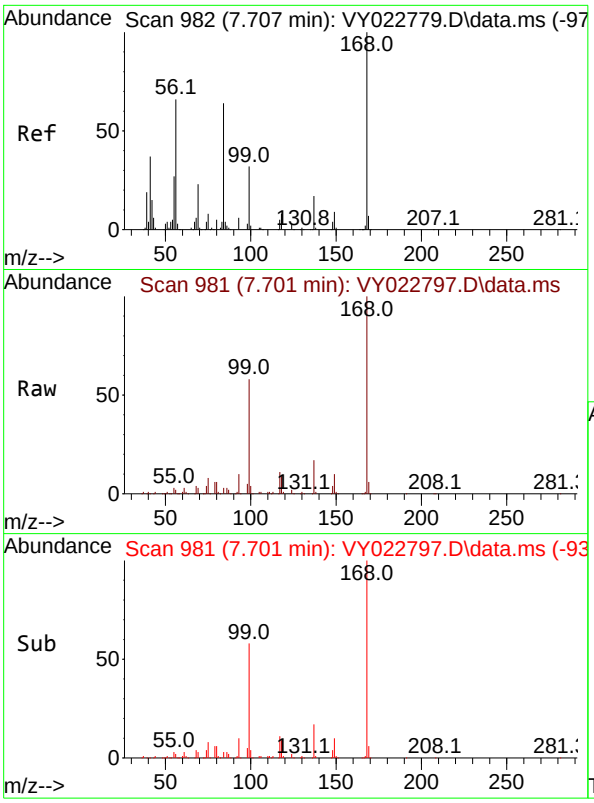
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Time: Jun 25 01:26:53 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



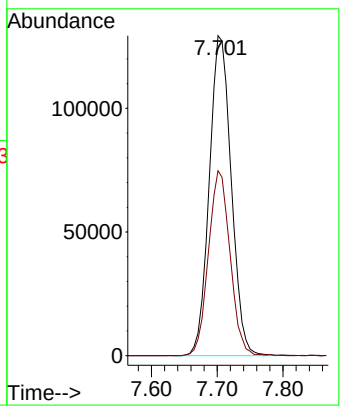


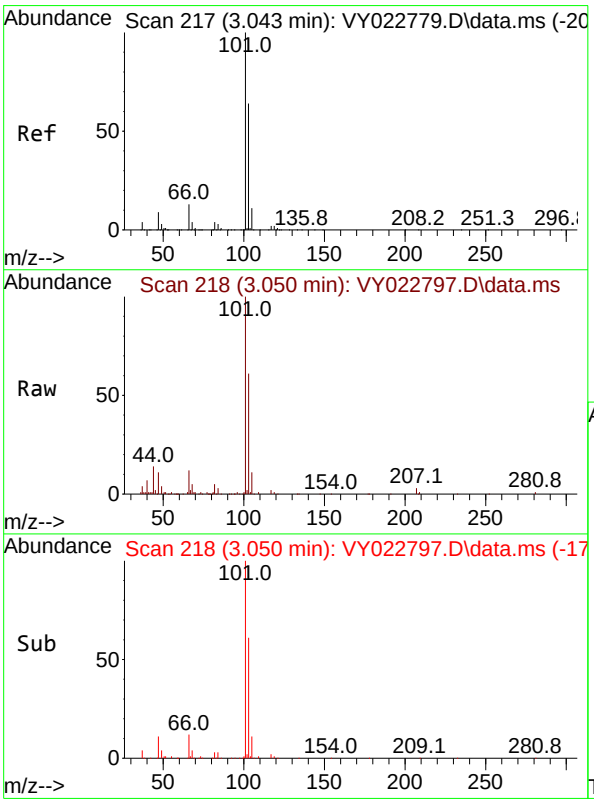
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:168 Resp: 300789

Ion	Ratio	Lower	Upper
168	100		
99	57.8	44.3	66.5

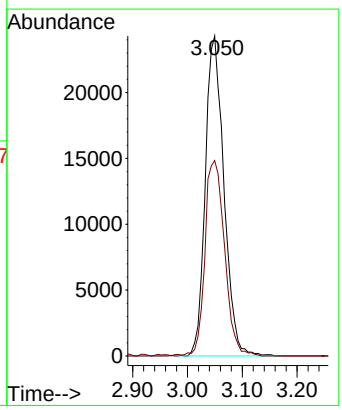


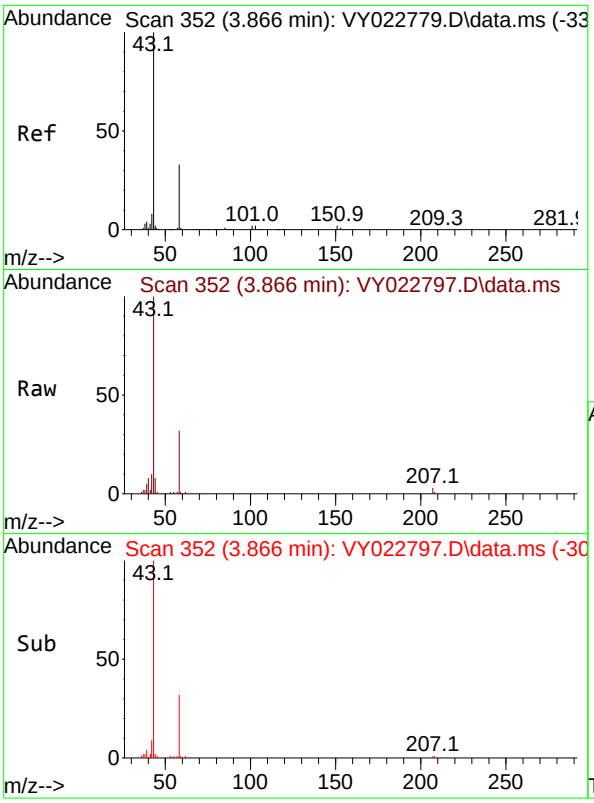


#7
Trichlorofluoromethane
Concen: 8.413 ug/l
RT: 3.050 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:101 Resp: 57159

Ion	Ratio	Lower	Upper
101	100		
103	61.0	52.2	78.2



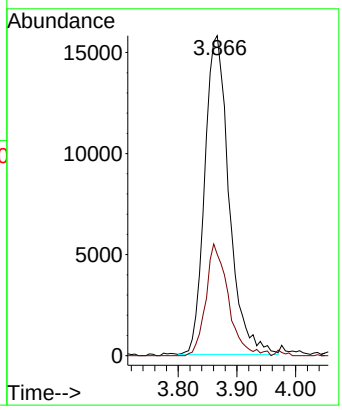


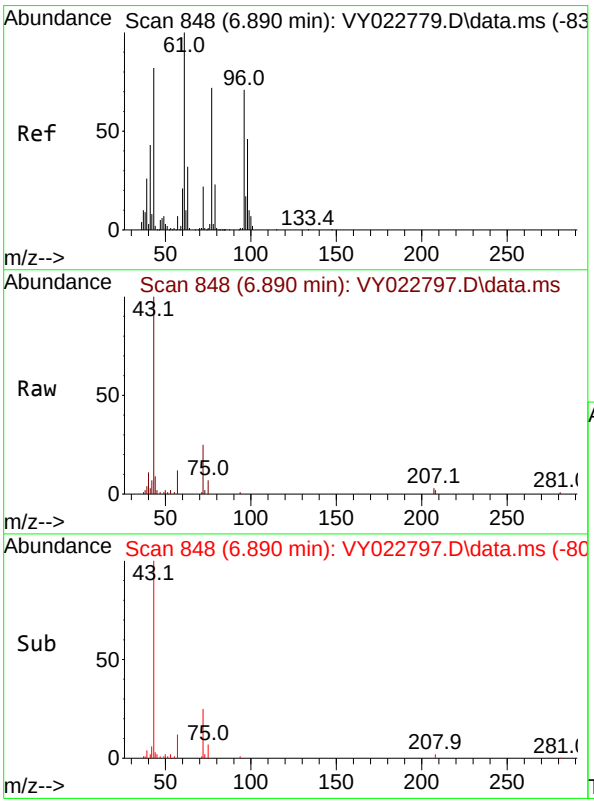
#16
Acetone
Concen: 71.627 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 43 Resp: 45449

Ion	Ratio	Lower	Upper
43	100		
58	31.4	24.0	36.0

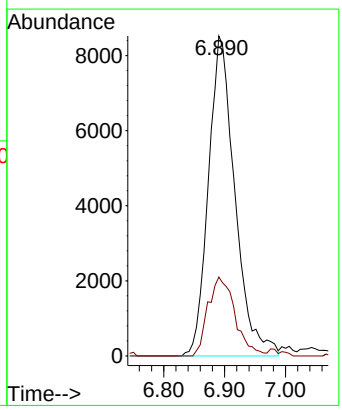


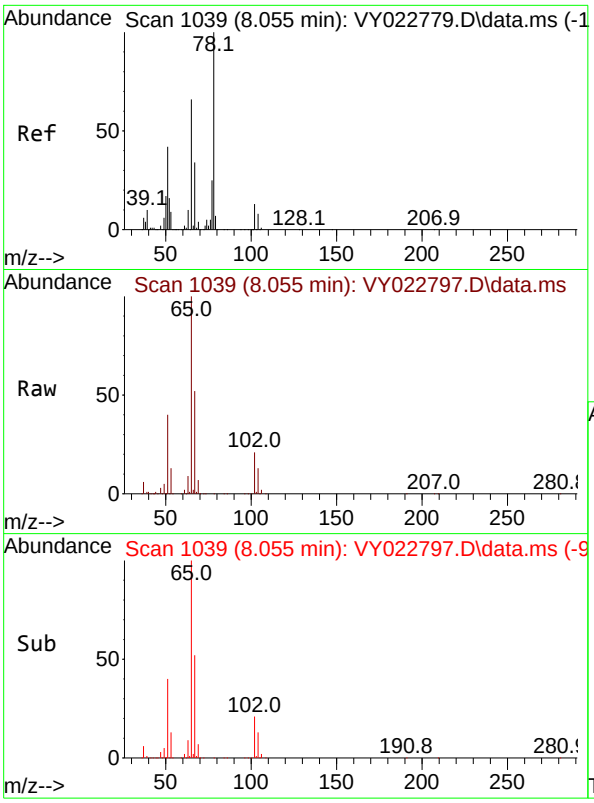


#25
2-Butanone
Concen: 27.842 ug/l
RT: 6.890 min Scan# 848
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 43 Resp: 25712

Ion	Ratio	Lower	Upper
43	100		
72	24.7	22.9	34.3



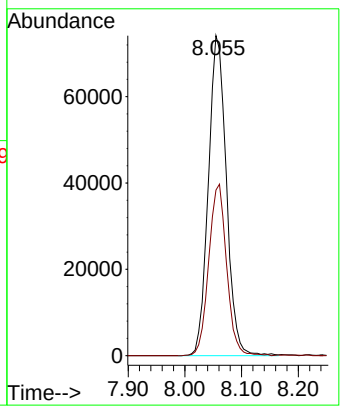


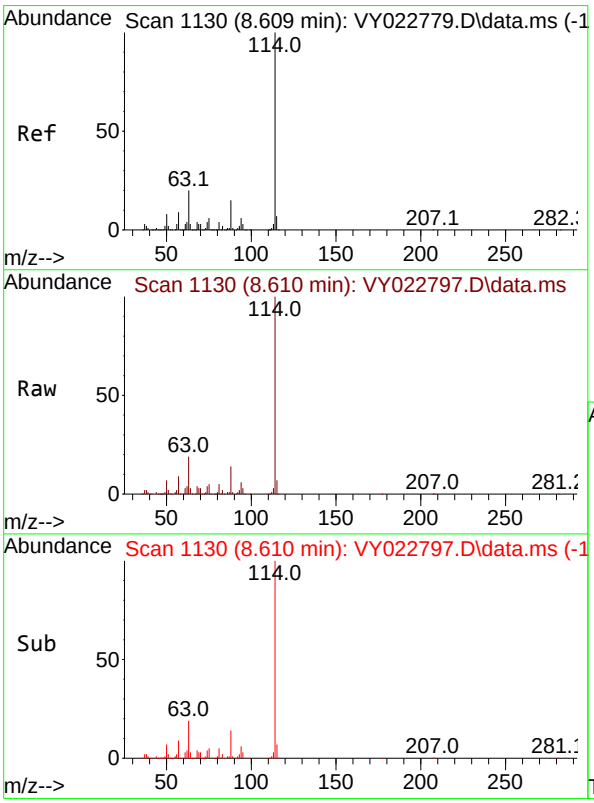
#33
1,2-Dichloroethane-d4
Concen: 48.802 ug/l
RT: 8.055 min Scan# 1
Delta R.T. -0.012 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 65 Resp: 163834

Ion	Ratio	Lower	Upper
65	100		
67	53.1	0.0	103.4

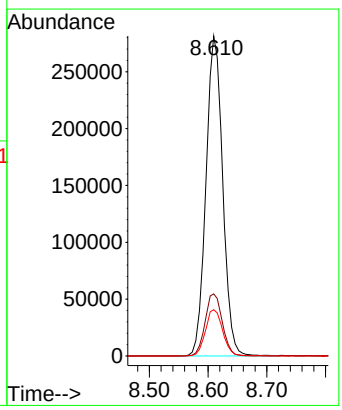


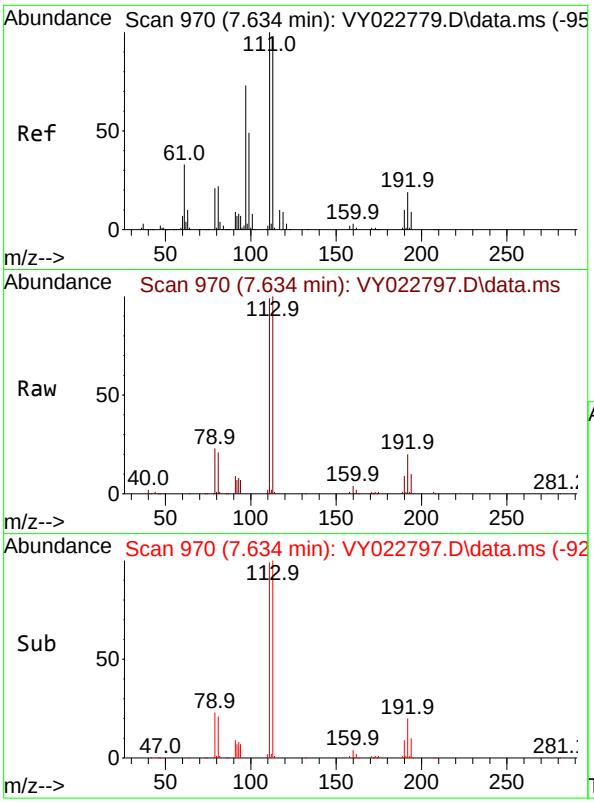


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1130
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:114 Resp: 557410

Ion	Ratio	Lower	Upper
114	100		
63	19.4	0.0	40.8
88	14.5	0.0	27.8



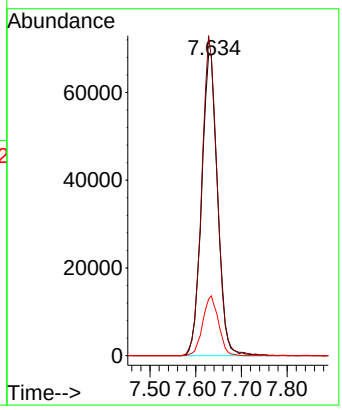


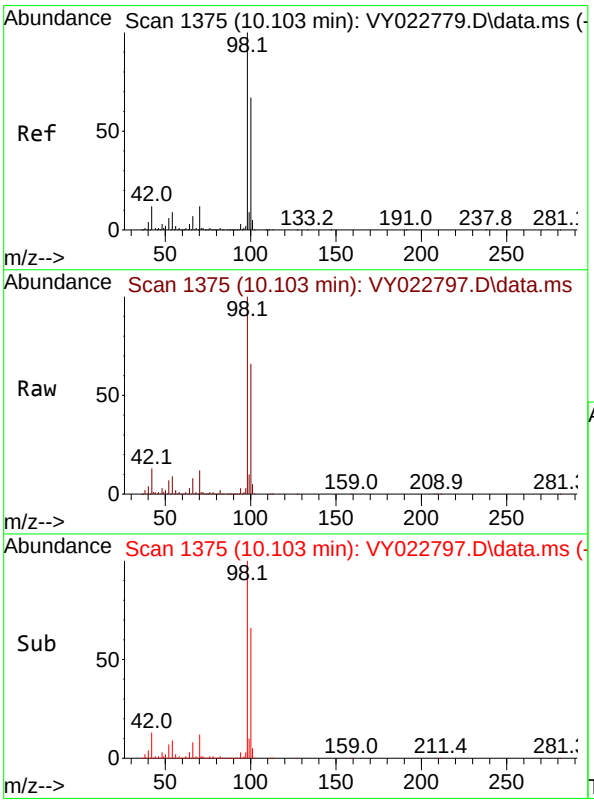
#35
Dibromofluoromethane
Concen: 49.334 ug/l
RT: 7.634 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:113 Resp: 167237

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	19.6	14.2	21.2

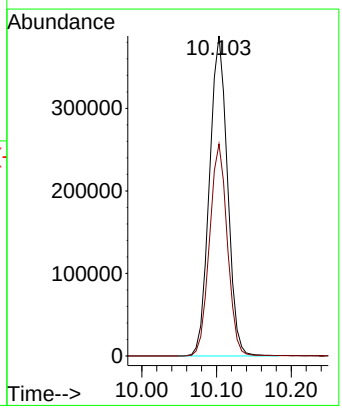


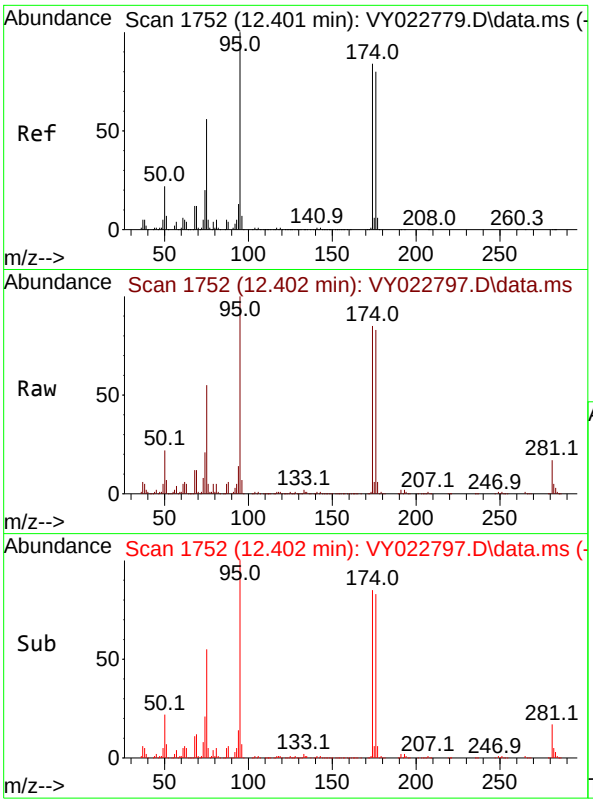


#50
Toluene-d8
Concen: 48.370 ug/l
RT: 10.103 min Scan# 1375
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 98 Resp: 650647

Ion	Ratio	Lower	Upper
98	100		
100	65.5	51.4	77.0



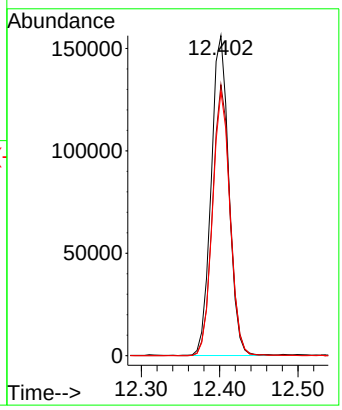


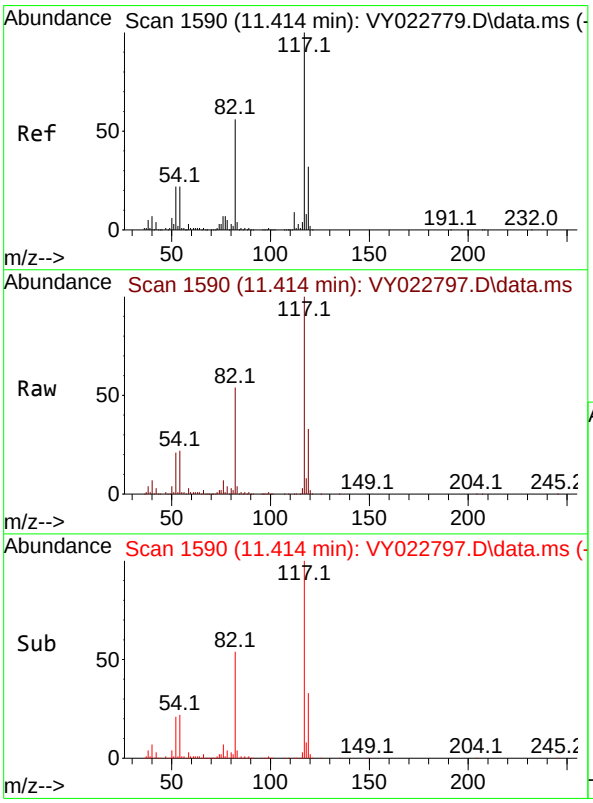
#62
4-Bromofluorobenzene
Concen: 56.501 ug/l
RT: 12.402 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion: 95 Resp: 244323

Ion	Ratio	Lower	Upper
95	100		
174	84.6	0.0	170.0
176	81.9	0.0	166.2

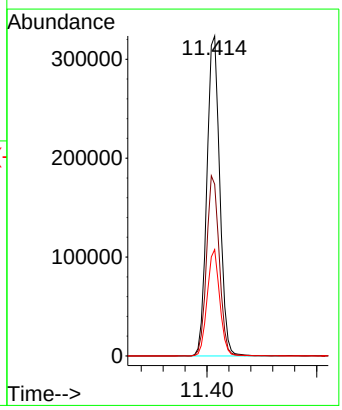


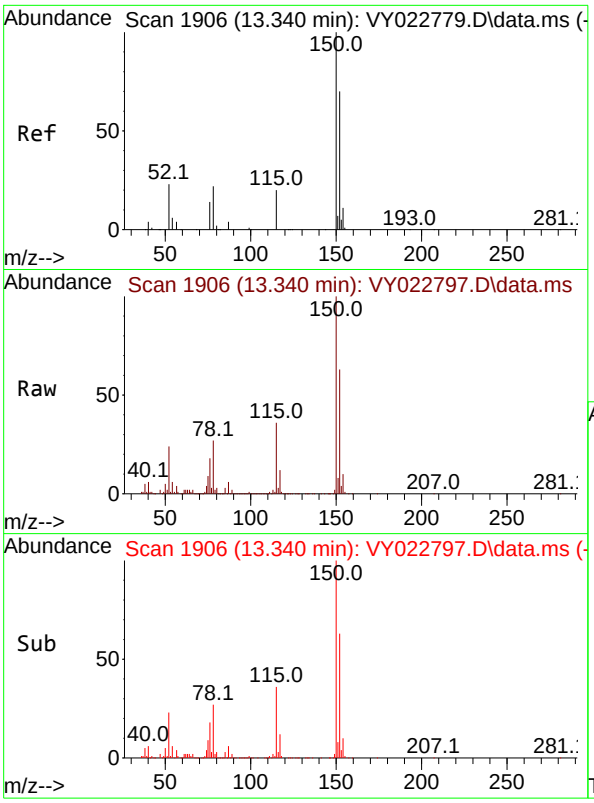


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1590
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:117 Resp: 524757

Ion	Ratio	Lower	Upper
117	100		
82	53.6	44.6	66.8
119	33.3	25.4	38.0



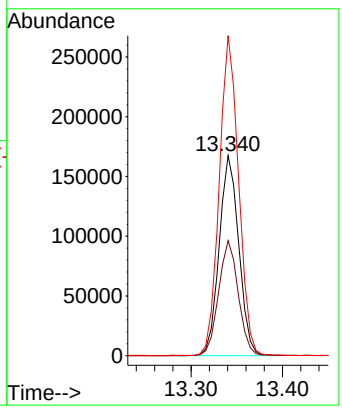


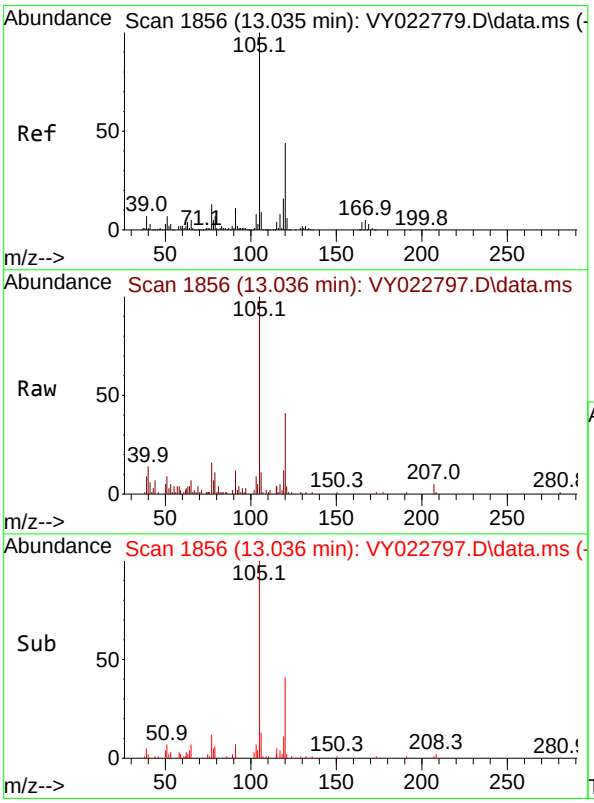
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Tgt Ion:152 Resp: 249630

Ion	Ratio	Lower	Upper
152	100		
115	57.4	28.9	86.7
150	158.0	0.0	349.6

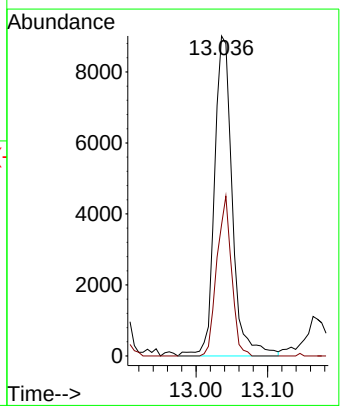




#84
1,2,4-Trimethylbenzene
Concen: 1.046 ug/l
RT: 13.036 min Scan# 1856
Delta R.T. -0.006 min
Lab File: VY022797.D
Acq: 24 Jun 2025 15:06

Tgt Ion:105 Resp: 15601

Ion	Ratio	Lower	Upper
105	100		
120	41.1	22.7	68.1



Sample Results: **VY022797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022797.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.086	51	60	61	rBV3	11158	23693	1.35%	0.213%
2	3.043	208	217	228	rVB3	64699	209518	11.93%	1.881%
3	3.866	342	352	360	rBV	25627	74978	4.27%	0.673%
4	6.890	838	848	858	rBV	15112	48070	2.74%	0.432%
5	7.628	959	969	975	rBV	236962	566261	32.23%	5.085%
6	7.701	975	981	995	rVB	392051	908246	51.70%	8.156%
7	8.055	1031	1039	1054	rBV	211331	477907	27.20%	4.292%
8	8.610	1119	1130	1147	rBV	648986	1299025	73.94%	11.665%
9	10.103	1366	1375	1383	rBV	1038558	1756924	100.00%	15.777%
10	10.170	1383	1386	1393	rVB2	13889	22614	1.29%	0.203%
11	10.506	1435	1441	1451	rBV3	7624	18667	1.06%	0.168%
12	11.408	1582	1589	1597	rBV	1010731	1664264	94.73%	14.945%
13	11.511	1602	1606	1611	rVV4	10089	20536	1.17%	0.184%
14	11.627	1614	1625	1635	rVV6	18056	51445	2.93%	0.462%
15	11.950	1674	1678	1687	rVB4	12584	27101	1.54%	0.243%
16	12.255	1720	1728	1735	rVB	65786	111738	6.36%	1.003%
17	12.402	1745	1752	1762	rVB2	911436	1572795	89.52%	14.124%
18	12.651	1788	1793	1796	rBV	15197	25234	1.44%	0.227%
19	12.725	1800	1805	1812	rVV3	53085	91325	5.20%	0.820%
20	12.810	1813	1819	1826	rVB2	33215	55795	3.18%	0.501%
21	13.042	1852	1857	1863	rBV2	26529	42869	2.44%	0.385%
22	13.255	1887	1892	1896	rBV	40348	64288	3.66%	0.577%
23	13.340	1900	1906	1914	rVB	1054298	1582028	90.05%	14.207%
24	13.542	1935	1939	1942	rVV	17123	28948	1.65%	0.260%
25	13.670	1954	1960	1963	rBV6	22729	39192	2.23%	0.352%
26	13.883	1991	1995	2001	rVB2	24684	41763	2.38%	0.375%
27	13.993	2009	2013	2019	rBV3	15706	23672	1.35%	0.213%
28	14.523	2096	2100	2106	rVV5	28495	58977	3.36%	0.530%
29	14.596	2107	2112	2116	rVV5	22932	44702	2.54%	0.401%
30	14.743	2133	2136	2141	rVB4	13470	19323	1.10%	0.174%
31	14.852	2150	2154	2157	rBV5	12067	17767	1.01%	0.160%
32	15.194	2206	2210	2215	rBV7	17513	29761	1.69%	0.267%
33	15.620	2276	2280	2293	rVB7	21916	57023	3.25%	0.512%
34	15.919	2326	2329	2335	rVB8	11348	19383	1.10%	0.174%
35	16.108	2356	2360	2366	rVB9	11370	20064	1.14%	0.180%
36	16.364	2397	2402	2407	rBV7	9656	19870	1.13%	0.178%

Sample Results: **VY022797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

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\82Y062325S.M
Title : SW846 8260

Sum of corrected areas: 11135766

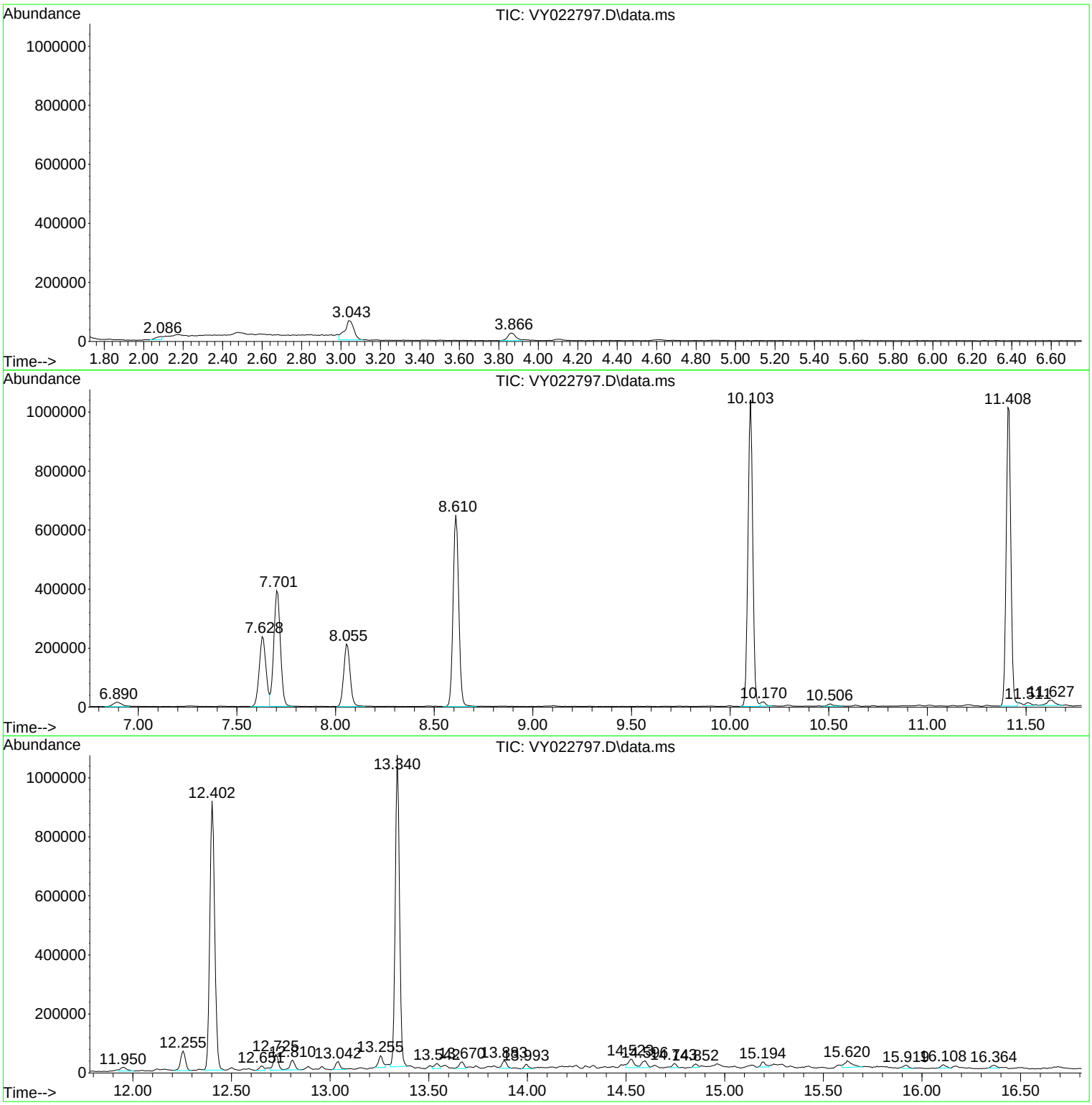
Sample Results: **VY022797.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022797.D
Acq On : 24 Jun 2025 15:06
Operator : SY/MD
Sample : Q2393-06
Misc : 6.74g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

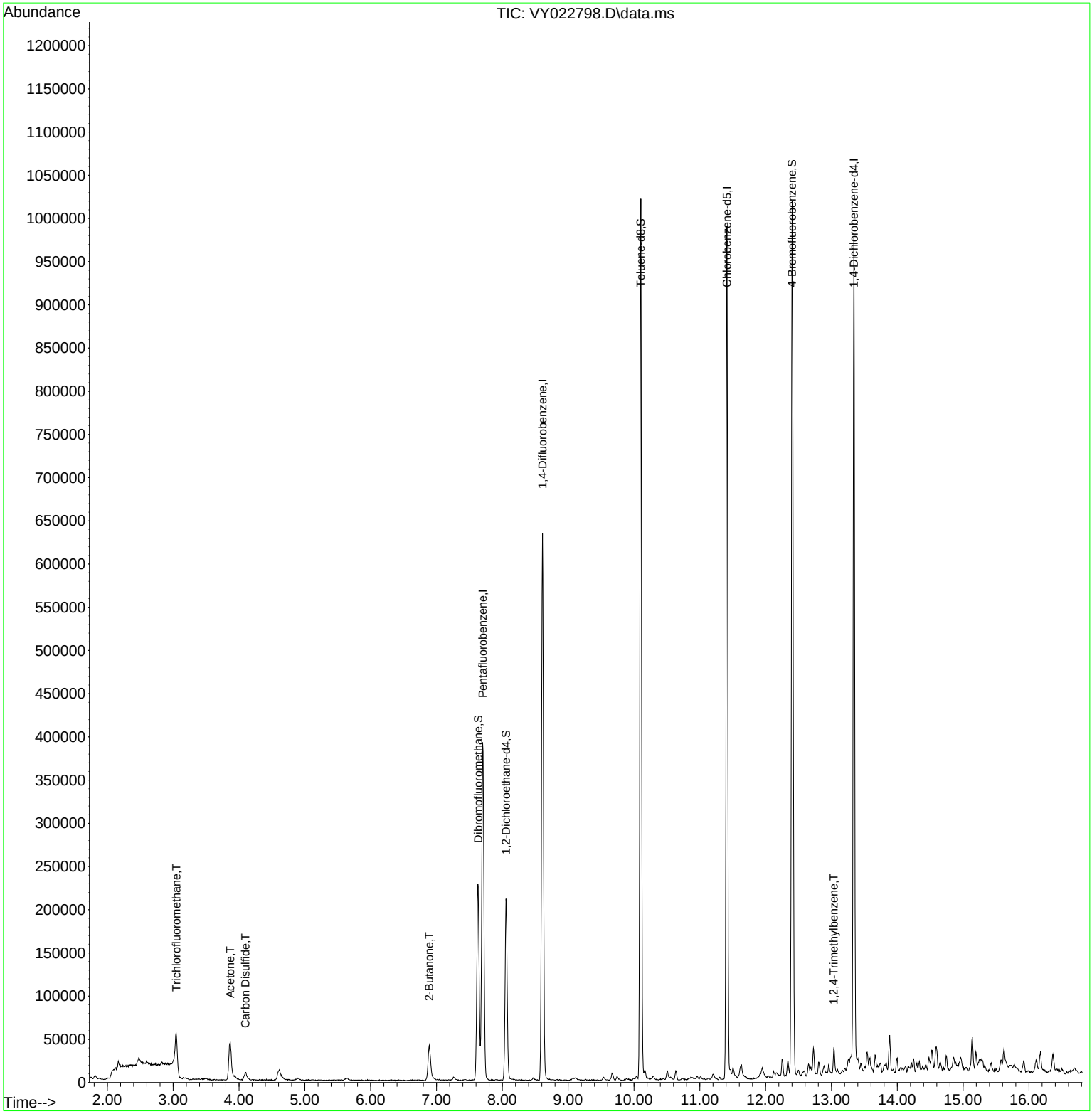
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	301973	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	544282	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	511623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	231837	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	162465	48.205	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 96.400%			
35) Dibromofluoromethane	7.634	113	161346	48.744	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 97.480%			
50) Toluene-d8	10.103	98	650744	49.544	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 99.080%			
62) 4-Bromofluorobenzene	12.401	95	233038	55.191	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 110.380%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.049	101	42970	6.300	ug/l	90
16) Acetone	3.866	43	78672	123.501	ug/l	98
17) Carbon Disulfide	4.098	76	15991	1.619	ug/l	99
25) 2-Butanone	6.890	43	67547	72.856	ug/l	94
84) 1,2,4-Trimethylbenzene	13.035	105	16174	1.167	ug/l	98

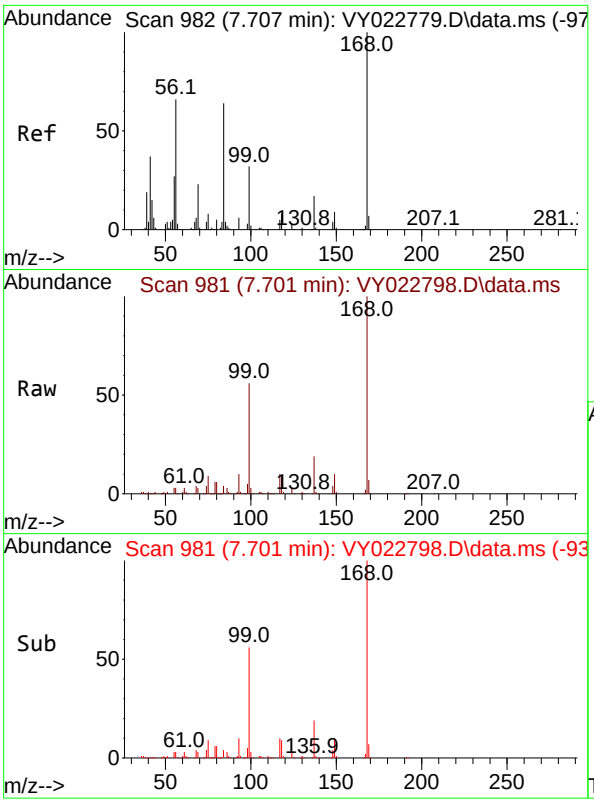
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Time: Jun 25 01:27:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



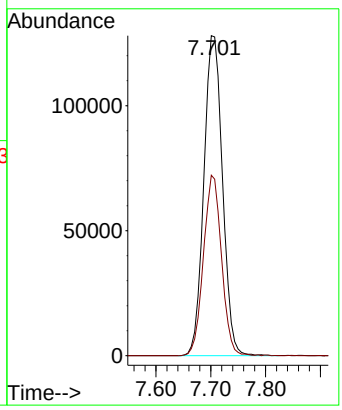


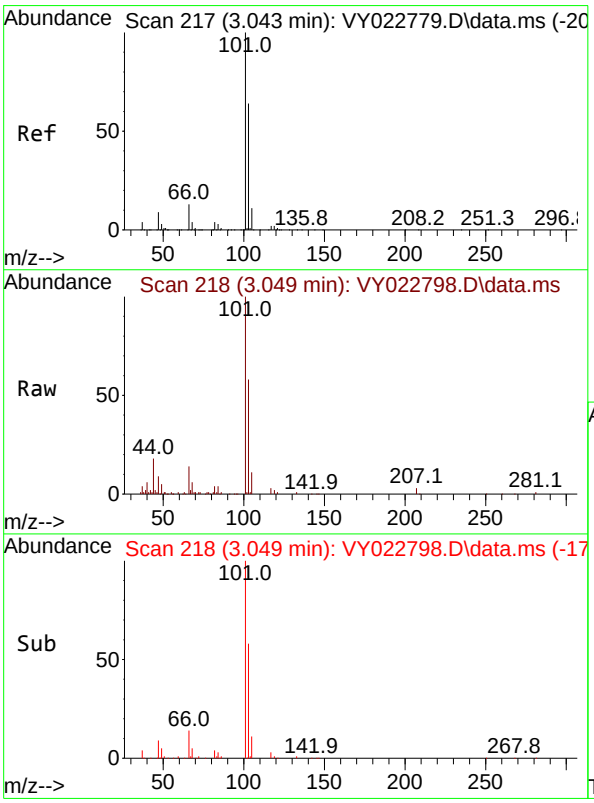
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:168 Resp: 301973

Ion	Ratio	Lower	Upper
168	100		
99	56.4	44.3	66.5

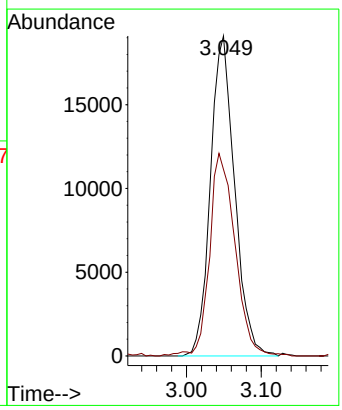


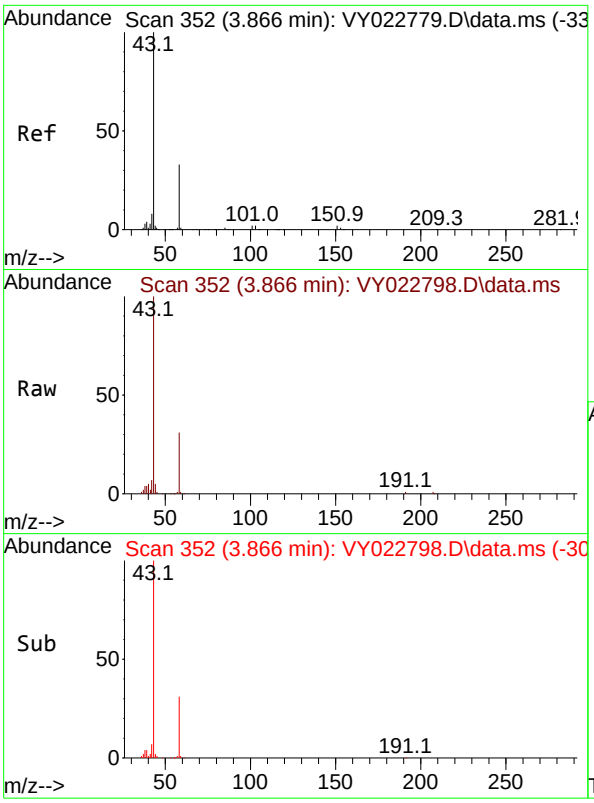


#7
Trichlorofluoromethane
Concen: 6.300 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:101 Resp: 42970

Ion	Ratio	Lower	Upper
101	100		
103	57.6	52.2	78.2



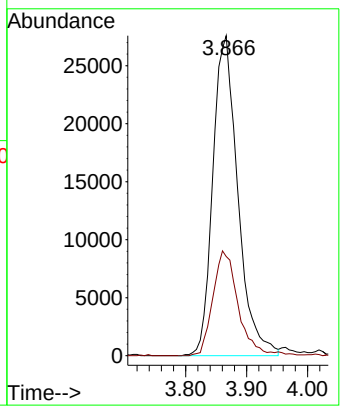


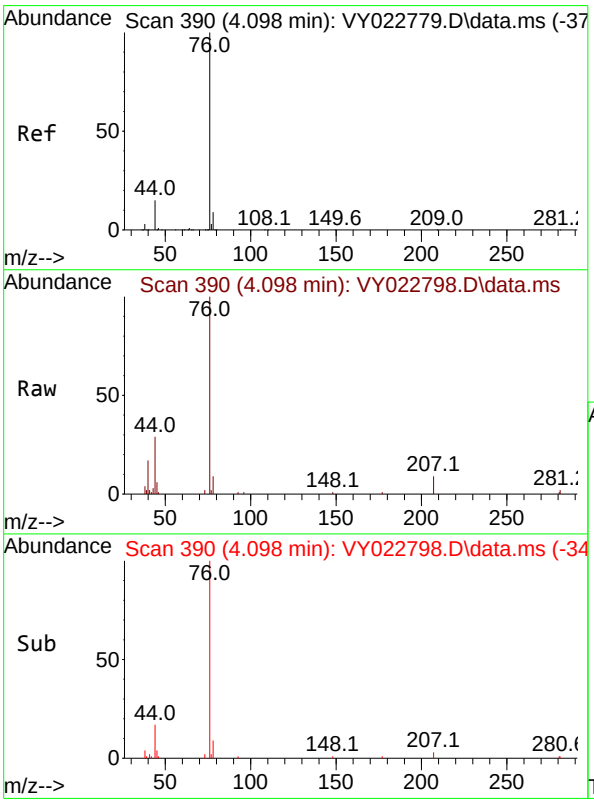
#16
Acetone
Concen: 123.501 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 43 Resp: 78672

Ion	Ratio	Lower	Upper
43	100		
58	31.0	24.0	36.0

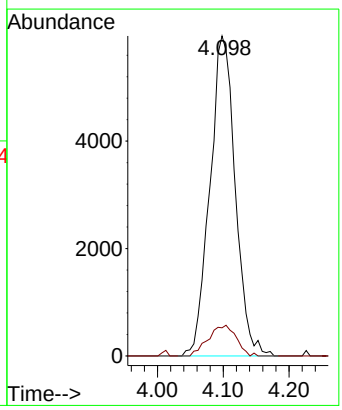


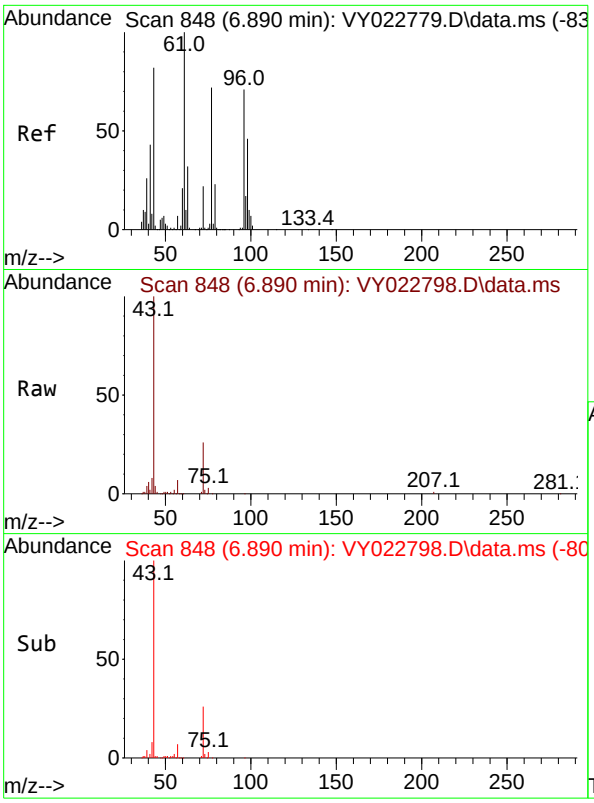


#17
Carbon Disulfide
Concen: 1.619 ug/l
RT: 4.098 min Scan# 390
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 76 Resp: 15991

Ion	Ratio	Lower	Upper
76	100		
78	8.8	7.4	11.2



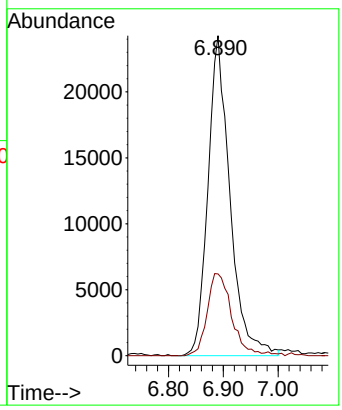


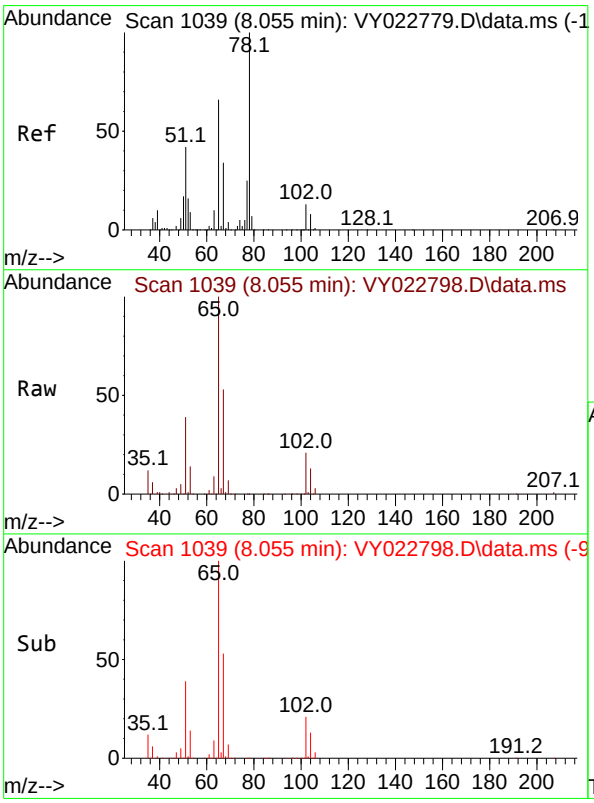
#25
2-Butanone
Concen: 72.856 ug/l
RT: 6.890 min Scan# 84
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 43 Resp: 67547

Ion	Ratio	Lower	Upper
43	100		
72	25.5	22.9	34.3

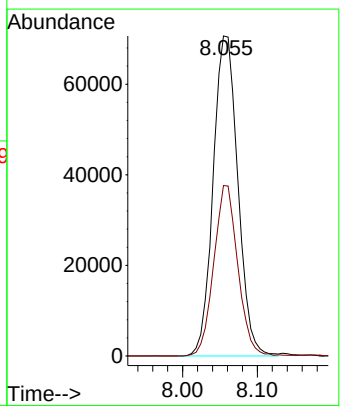


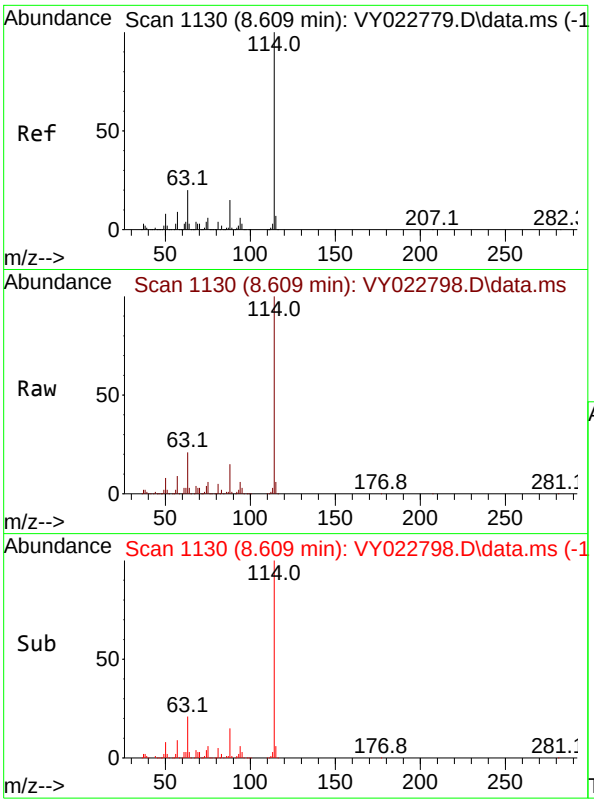


#33
1,2-Dichloroethane-d4
Concen: 48.205 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 65 Resp: 162465

Ion	Ratio	Lower	Upper
65	100		
67	52.0	0.0	103.4



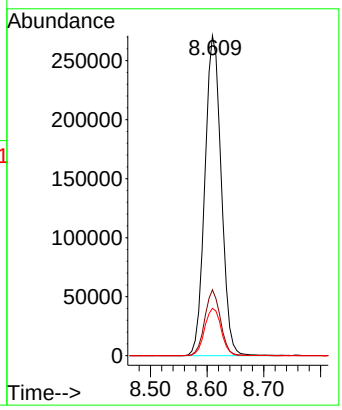


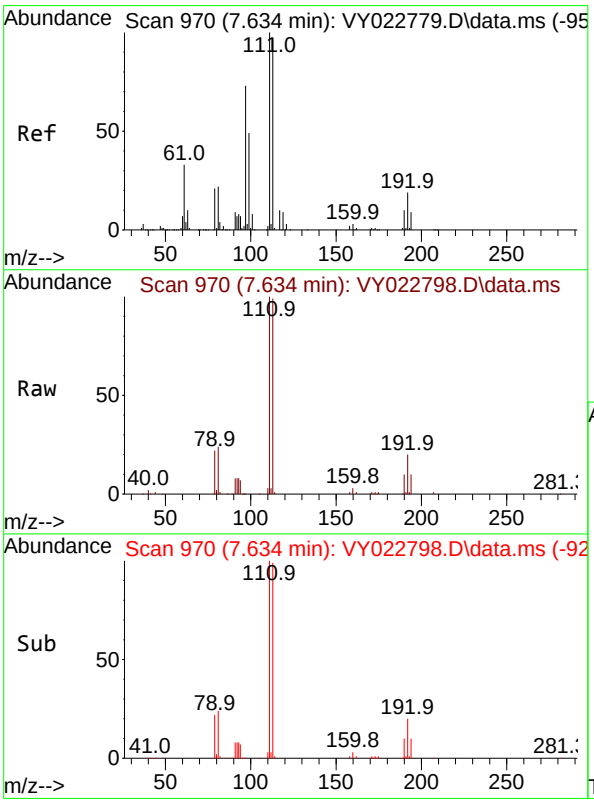
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:114 Resp: 544282

Ion	Ratio	Lower	Upper
114	100		
63	20.6	0.0	40.8
88	14.8	0.0	27.8

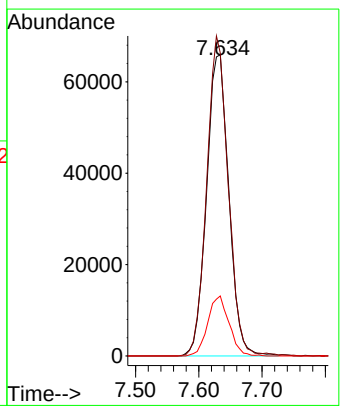


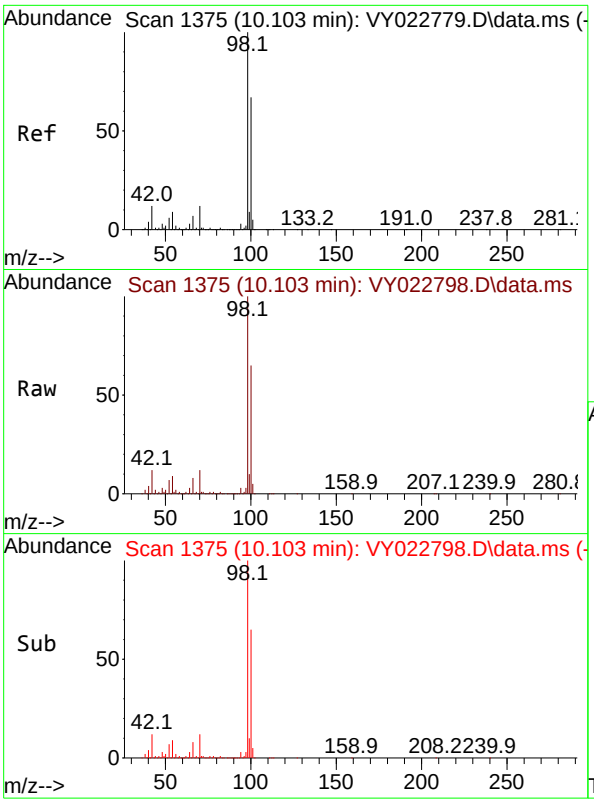


#35
Dibromofluoromethane
Concen: 48.744 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:113 Resp: 161346

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	19.0	14.2	21.2



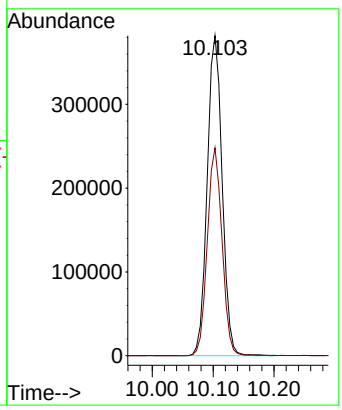


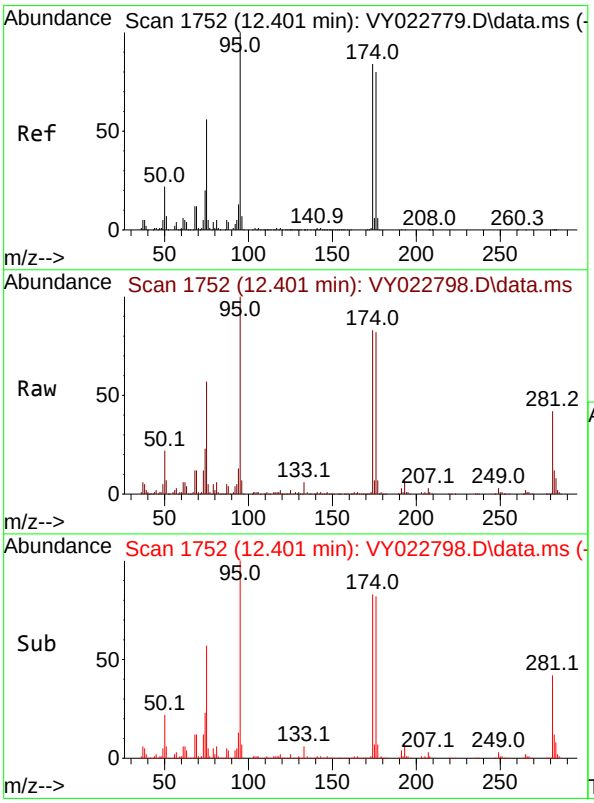
#50
Toluene-d8
Concen: 49.544 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion: 98 Resp: 650744

Ion	Ratio	Lower	Upper
98	100		
100	64.0	51.4	77.0

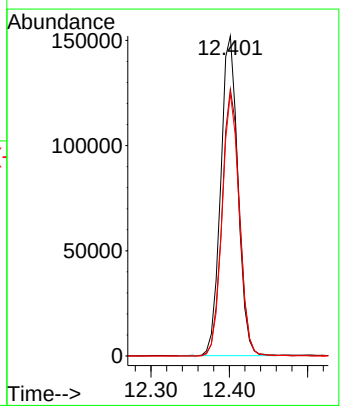


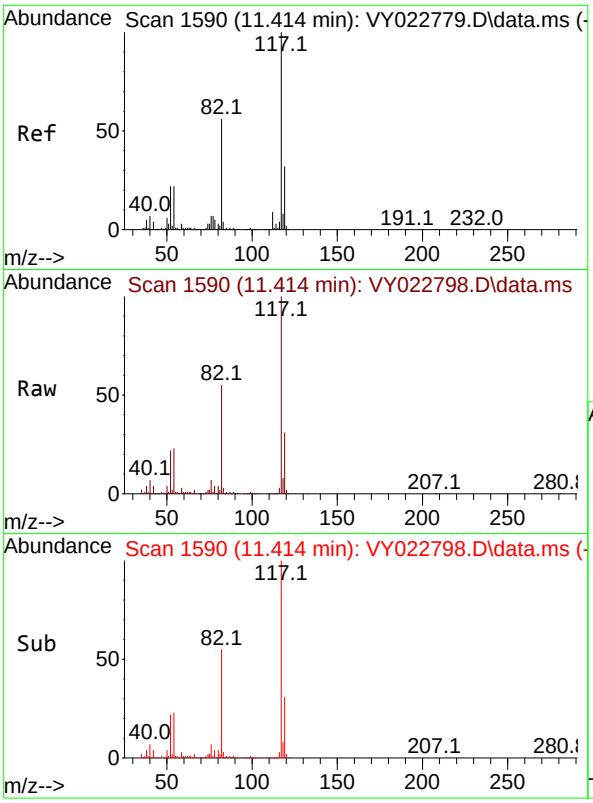


#62
4-Bromofluorobenzene
Concen: 55.191 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion: 95 Resp: 233038

Ion	Ratio	Lower	Upper
95	100		
174	84.8	0.0	170.0
176	81.6	0.0	166.2



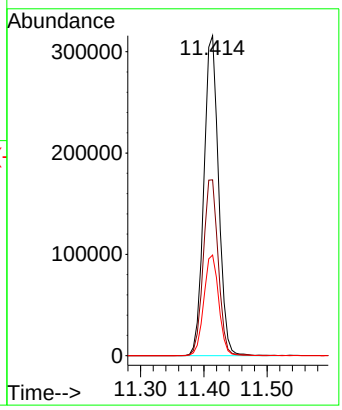


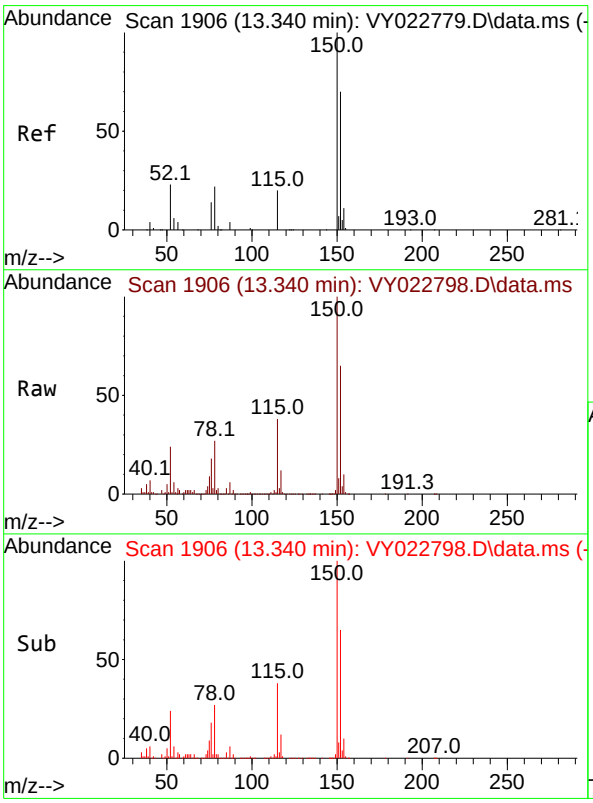
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:117 Resp: 511623

Ion	Ratio	Lower	Upper
117	100		
82	54.9	44.6	66.8
119	31.5	25.4	38.0

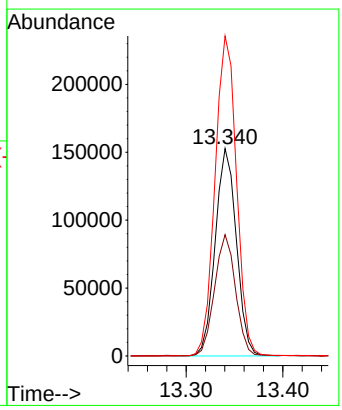


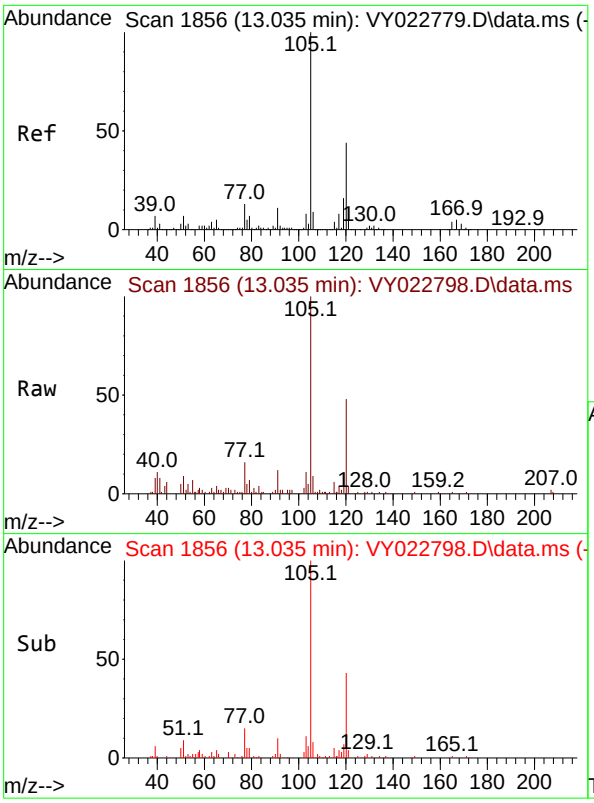


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Tgt Ion:152 Resp: 231837

Ion	Ratio	Lower	Upper
152	100		
115	57.8	28.9	86.7
150	156.8	0.0	349.6



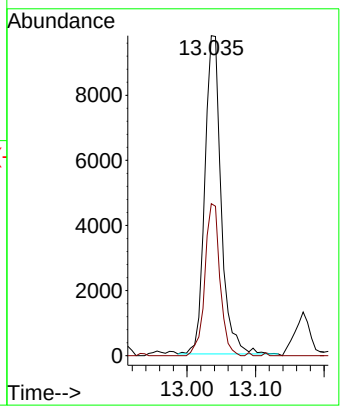


#84
1,2,4-Trimethylbenzene
Concen: 1.167 ug/l
RT: 13.035 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022798.D
Acq: 24 Jun 2025 15:29

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Tgt Ion:105 Resp: 16174

Ion	Ratio	Lower	Upper
105	100		
120	44.3	22.7	68.1



Sample Results: **VY022798.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022798.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.476	118	124	133	rBV5	9554	31206	1.68%	0.272%
2	3.043	211	217	226	rVB2	52024	141700	7.61%	1.235%
3	3.866	341	352	362	rBV	43690	129861	6.97%	1.131%
4	4.104	382	391	397	rBV2	8904	25099	1.35%	0.219%
5	4.616	463	475	487	rBV4	12153	44965	2.41%	0.392%
6	6.890	839	848	867	rBV	40082	116252	6.24%	1.013%
7	7.628	959	969	975	rBV	227338	546201	29.32%	4.759%
8	7.701	975	981	996	rVB	390709	903419	48.49%	7.871%
9	8.055	1031	1039	1049	rBV	210156	465219	24.97%	4.053%
10	8.609	1122	1130	1144	rBV	633641	1271196	68.23%	11.076%
11	10.103	1368	1375	1382	rBV	1018231	1725687	92.63%	15.036%
12	10.505	1436	1441	1447	rBV3	9989	19745	1.06%	0.172%
13	11.414	1582	1590	1597	rBV	986931	1624049	87.17%	14.150%
14	11.505	1601	1605	1616	rVB3	12738	27687	1.49%	0.241%
15	11.633	1616	1626	1635	rBV6	15062	43625	2.34%	0.380%
16	11.950	1674	1678	1688	rVB5	11388	26618	1.43%	0.232%
17	12.249	1722	1727	1733	rVB2	19255	31375	1.68%	0.273%
18	12.340	1737	1742	1746	rBV2	16506	29814	1.60%	0.260%
19	12.401	1746	1752	1763	rVB3	1010945	1863031	100.00%	16.232%
20	12.651	1787	1793	1796	rBV3	14097	25500	1.37%	0.222%
21	12.725	1801	1805	1811	rVB3	29771	46171	2.48%	0.402%
22	12.804	1815	1818	1825	rVB4	15422	26472	1.42%	0.231%
23	12.889	1825	1832	1836	rBV4	11190	23558	1.26%	0.205%
24	13.035	1851	1856	1863	rBV	28747	47422	2.55%	0.413%
25	13.261	1886	1893	1895	rBV6	13144	25203	1.35%	0.220%
26	13.340	1900	1906	1914	rVB	952978	1444382	77.53%	12.585%
27	13.541	1935	1939	1942	rBV3	18362	29068	1.56%	0.253%
28	13.584	1942	1946	1954	rVB6	16181	34134	1.83%	0.297%
29	13.663	1954	1959	1964	rBV5	19588	35665	1.91%	0.311%
30	13.743	1968	1972	1976	rVB2	10523	19211	1.03%	0.167%
31	13.883	1990	1995	2002	rVB2	41290	64343	3.45%	0.561%
32	13.999	2009	2014	2019	rBV3	16515	28070	1.51%	0.245%
33	14.243	2051	2054	2059	rVB2	15426	21909	1.18%	0.191%
34	14.480	2089	2093	2096	rBV4	14001	24069	1.29%	0.210%
35	14.523	2097	2100	2105	rVV4	22864	41459	2.23%	0.361%
36	14.590	2106	2111	2117	rVV5	27086	59973	3.22%	0.523%

Sample Results: **VY022798.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

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\82Y062325S.M
Title : SW846 8260

37	14.742	2132	2136	2141	rVB2	17118	26181	1.41%	0.228%
38	14.852	2145	2154	2158	rBV9	15781	37473	2.01%	0.326%
39	14.962	2167	2172	2178	rVB3	12153	26203	1.41%	0.228%
40	15.139	2192	2201	2206	rBV	38963	76833	4.12%	0.669%
41	15.194	2206	2210	2214	rBV4	18173	26244	1.41%	0.229%
42	15.425	2243	2248	2255	rVB5	10255	20651	1.11%	0.180%
43	15.578	2266	2273	2275	rBV8	13616	26726	1.43%	0.233%
44	15.620	2276	2280	2291	rVB9	23197	55556	2.98%	0.484%
45	15.919	2324	2329	2334	rVB7	12907	25110	1.35%	0.219%
46	16.108	2355	2360	2366	rBV9	11712	23624	1.27%	0.206%
47	16.175	2366	2371	2378	rVB2	21496	36695	1.97%	0.320%
48	16.364	2397	2402	2409	rVB4	18179	32646	1.75%	0.284%

Sum of corrected areas: 11477300

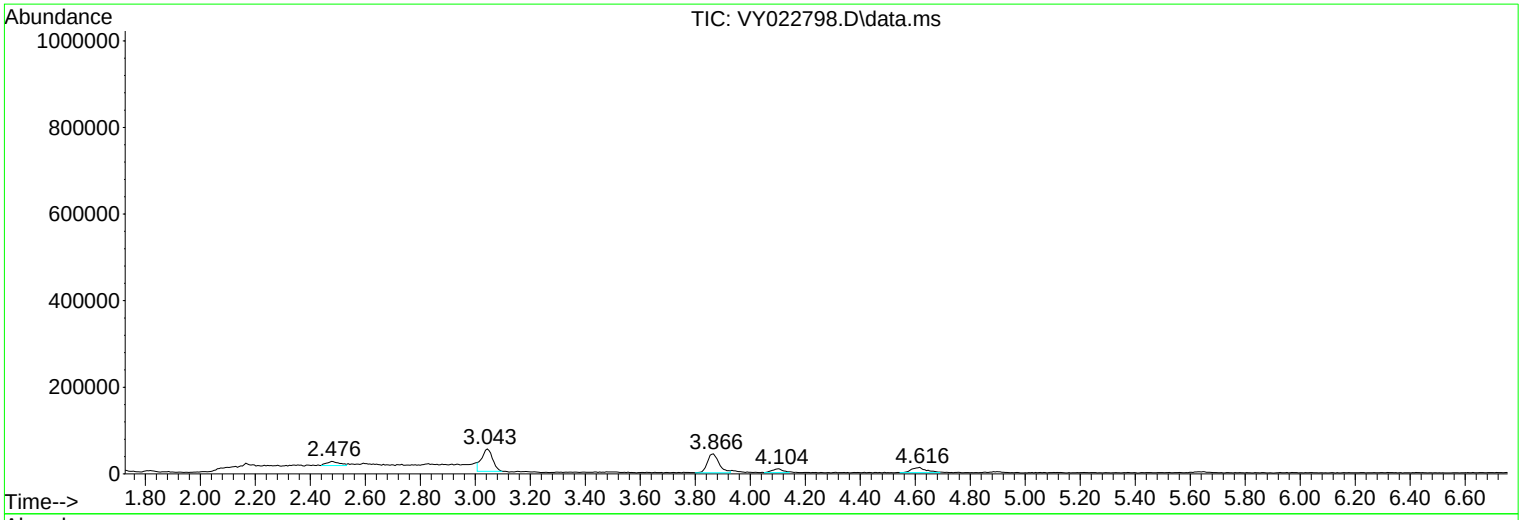
Sample Results: **VY022798.D**

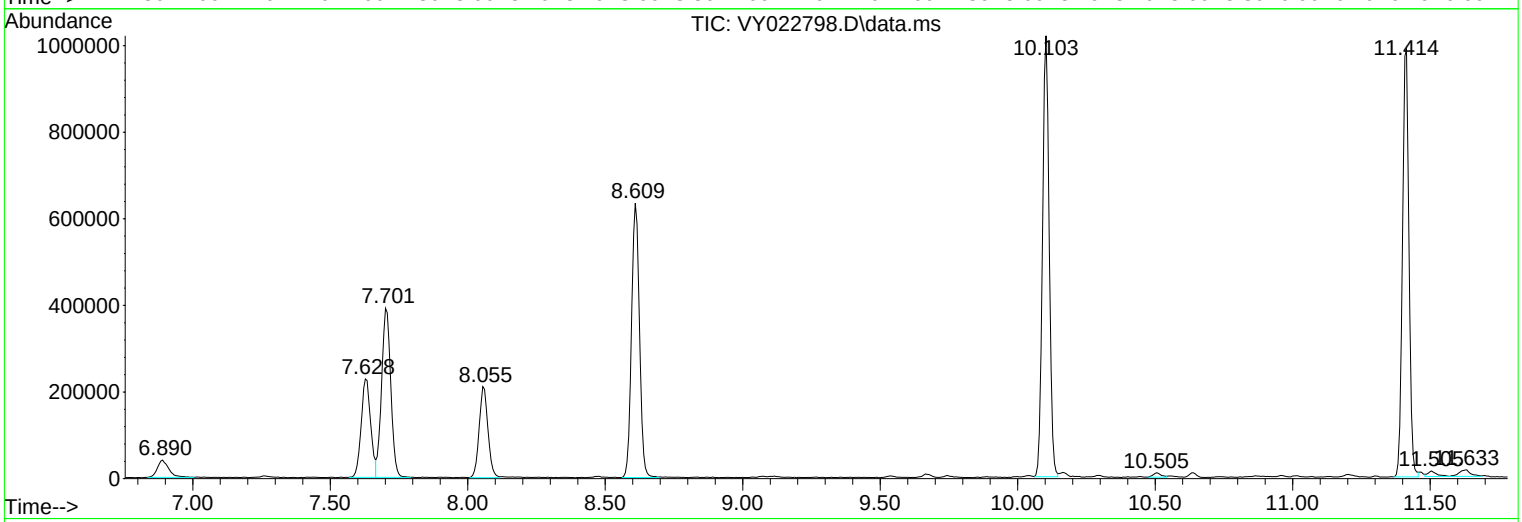
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

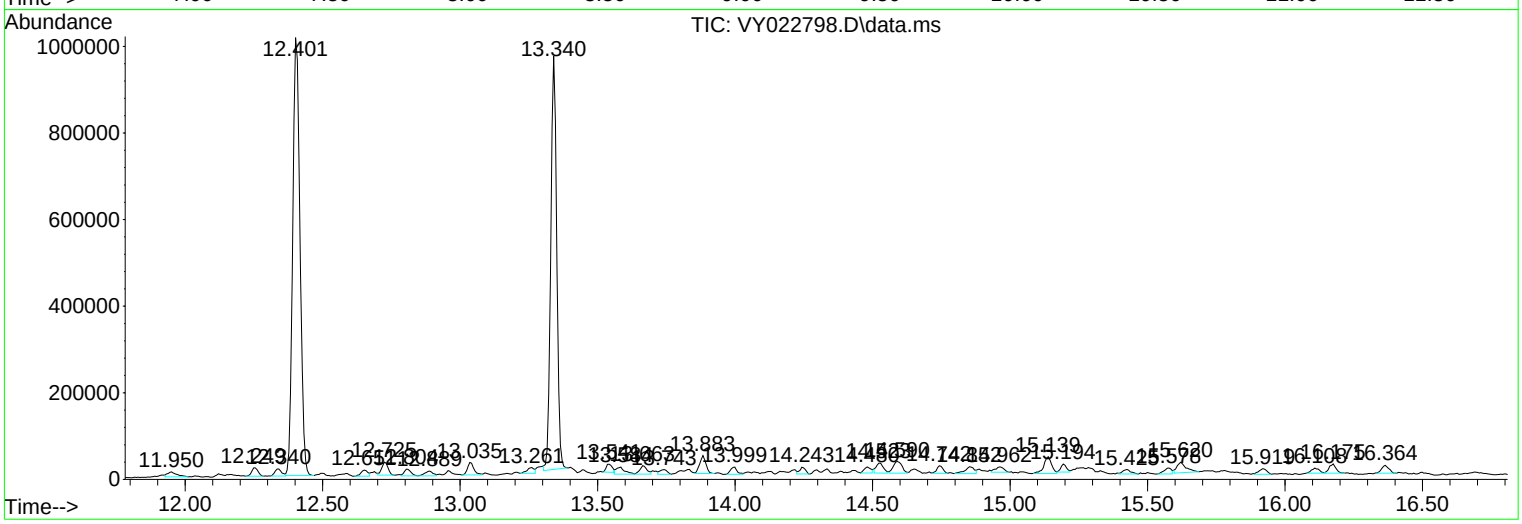
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Sample Results: **VY022798.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022798.D
Acq On : 24 Jun 2025 15:29
Operator : SY/MD
Sample : Q2393-08
Misc : 8.42g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -4

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:27:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

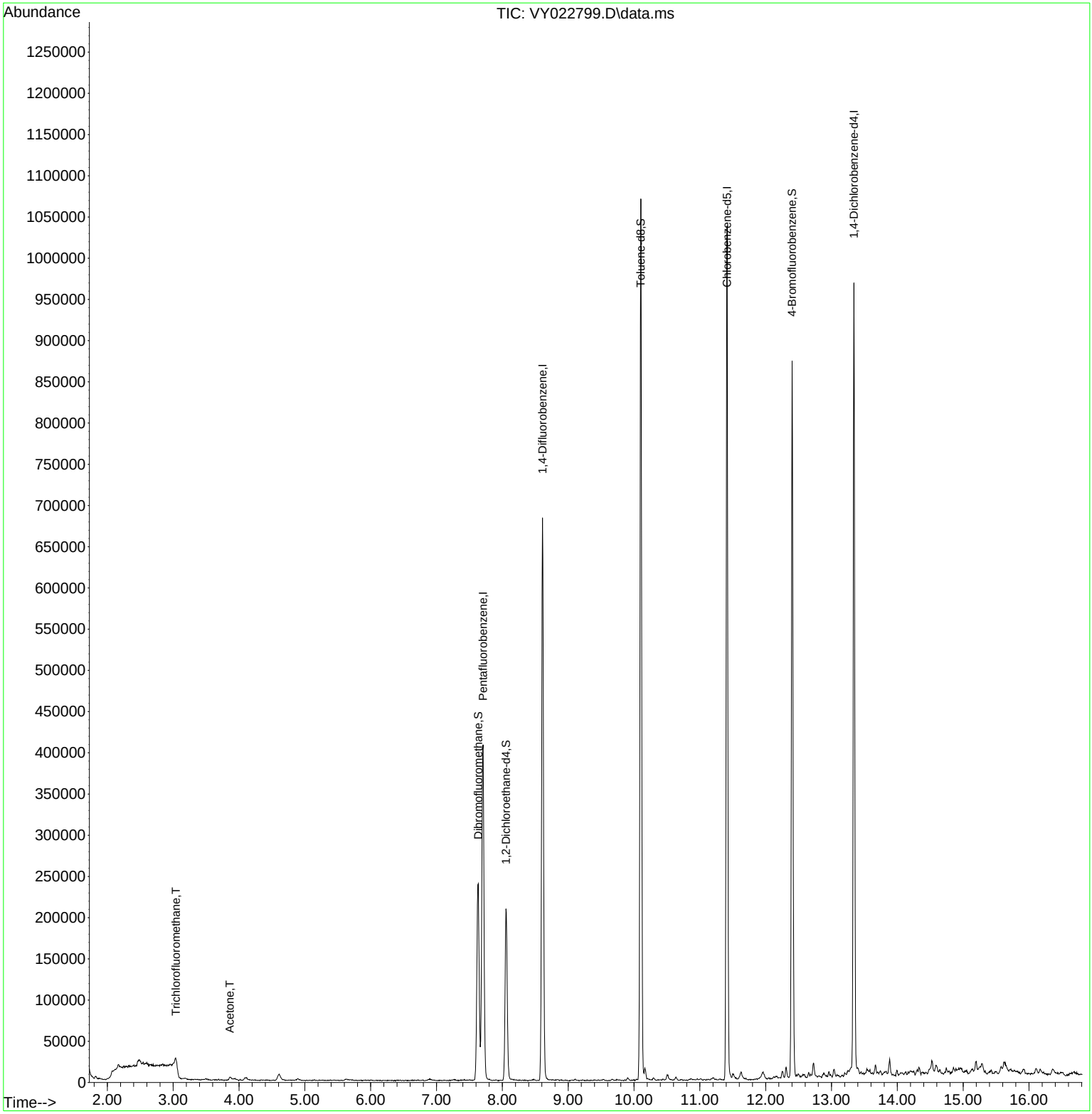
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	316843	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	576057	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	531349	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	229194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	165593	46.827	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 93.660%			
35) Dibromofluoromethane	7.634	113	171894	49.066	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 98.140%			
50) Toluene-d8	10.103	98	673865	48.474	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.402	95	230553	51.590	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 103.180%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.043	101	16206	2.264	ug/l	92
16) Acetone	3.860	43	6248	9.348	ug/l	96

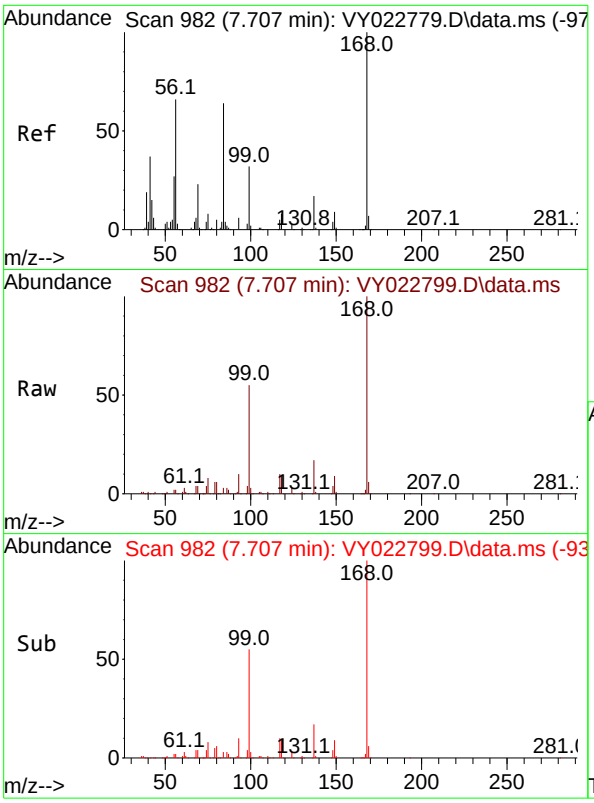
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Time: Jun 25 01:27:40 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



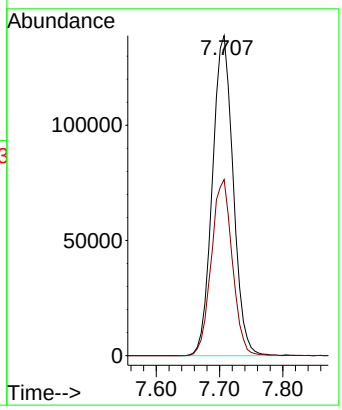


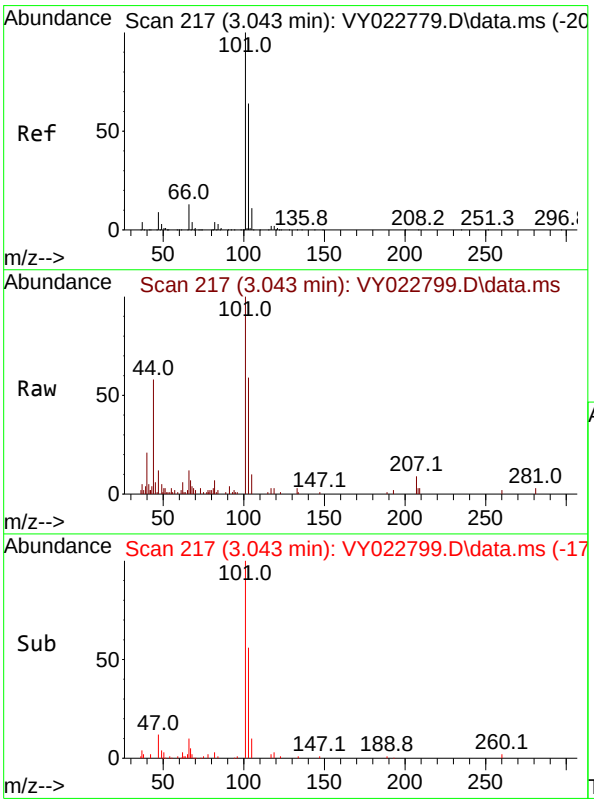
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:168 Resp: 316843

Ion	Ratio	Lower	Upper
168	100		
99	55.1	44.3	66.5

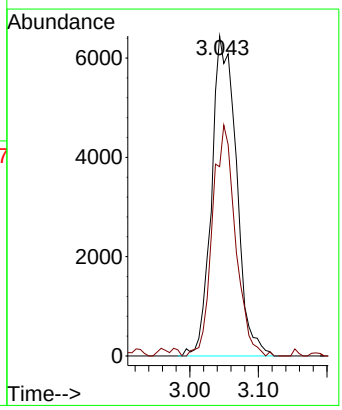


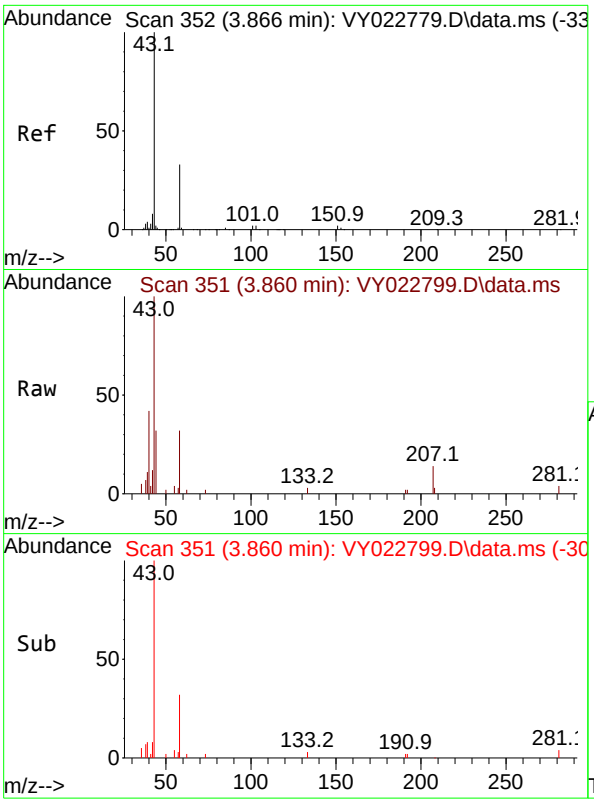


#7
Trichlorofluoromethane
Concen: 2.264 ug/l
RT: 3.043 min Scan# 217
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:101 Resp: 16206

Ion	Ratio	Lower	Upper
101	100		
103	59.2	52.2	78.2



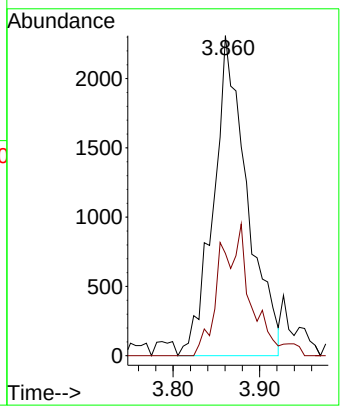


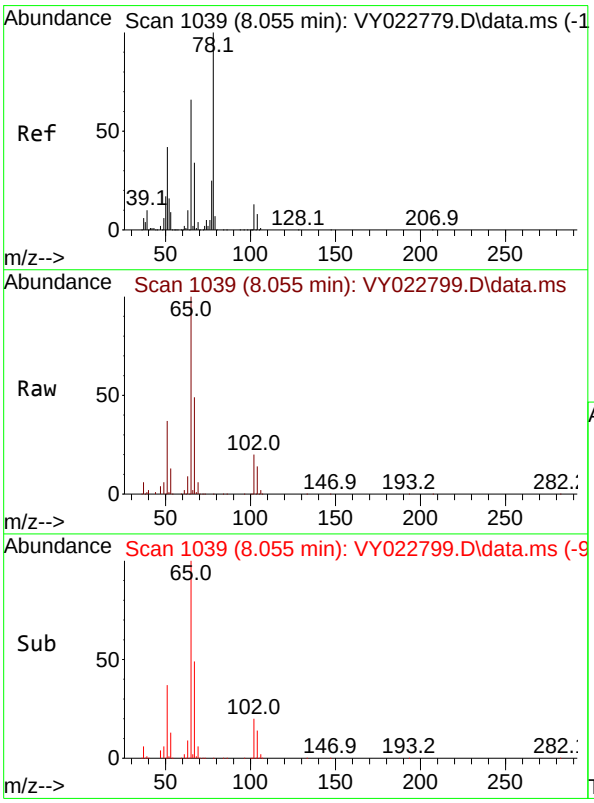
#16
Acetone
Concen: 9.348 ug/l
RT: 3.860 min Scan# 3
Delta R.T. -0.018 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion: 43 Resp: 6248

Ion	Ratio	Lower	Upper
43	100		
58	31.9	24.0	36.0

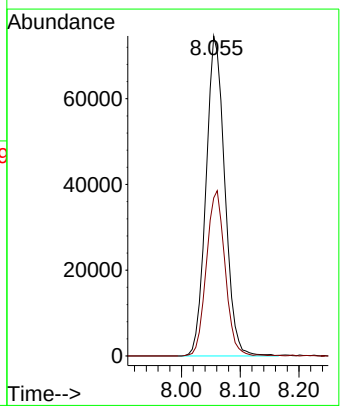


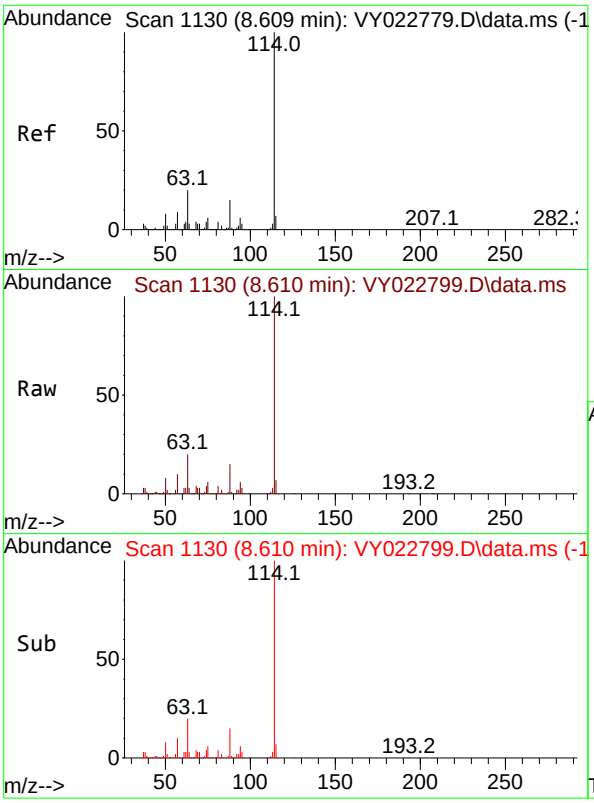


#33
1,2-Dichloroethane-d4
Concen: 46.827 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 65 Resp: 165593

Ion	Ratio	Lower	Upper
65	100		
67	51.2	0.0	103.4



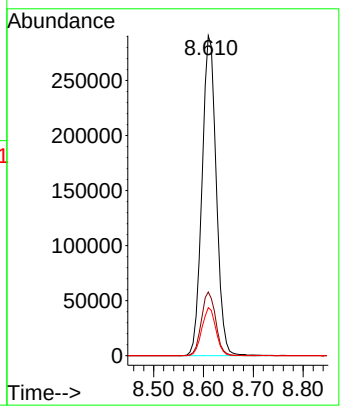


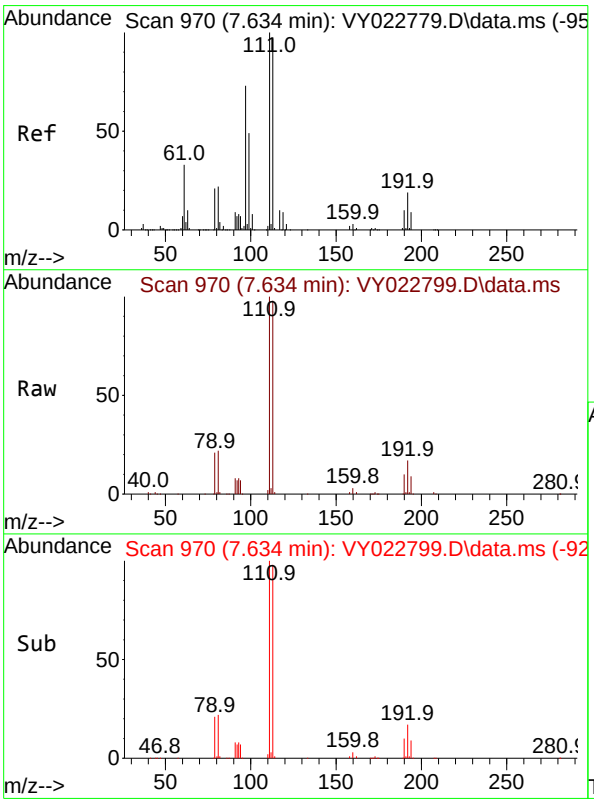
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:114 Resp: 576057

Ion	Ratio	Lower	Upper
114	100		
63	19.9	0.0	40.8
88	15.0	0.0	27.8

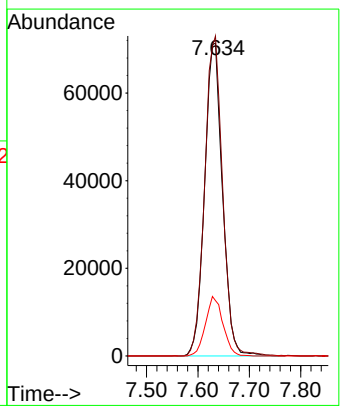


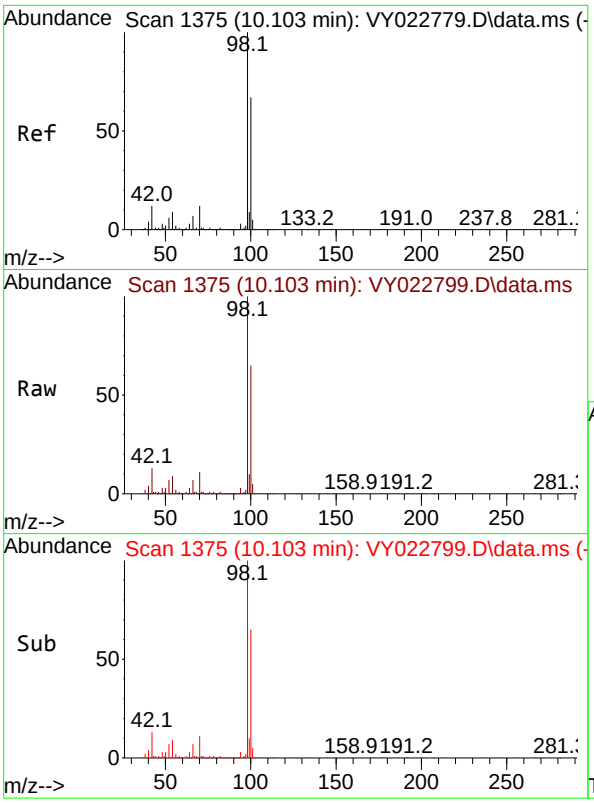


#35
Dibromofluoromethane
Concen: 49.066 ug/l
RT: 7.634 min Scan# 970
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:113 Resp: 171894

Ion	Ratio	Lower	Upper
113	100		
111	102.7	81.1	121.7
192	18.6	14.2	21.2



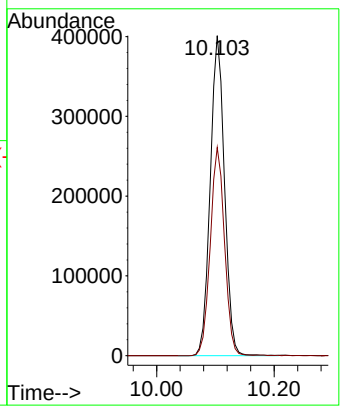


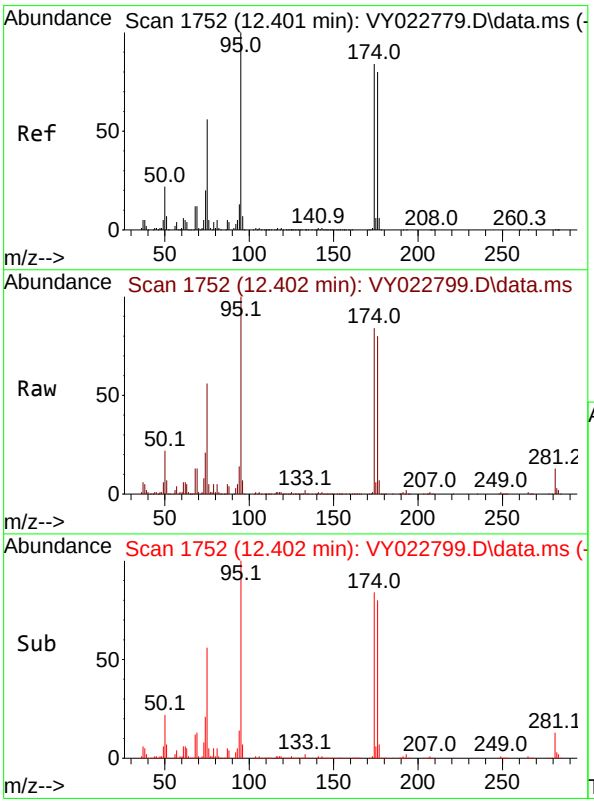
#50
Toluene-d8
Concen: 48.474 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion: 98 Resp: 673865

Ion	Ratio	Lower	Upper
98	100		
100	65.1	51.4	77.0

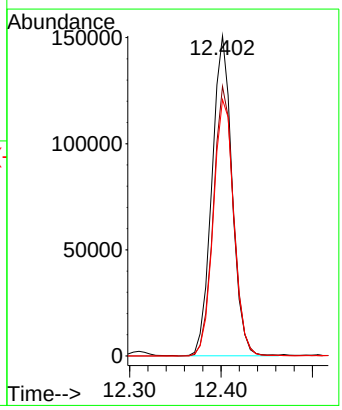


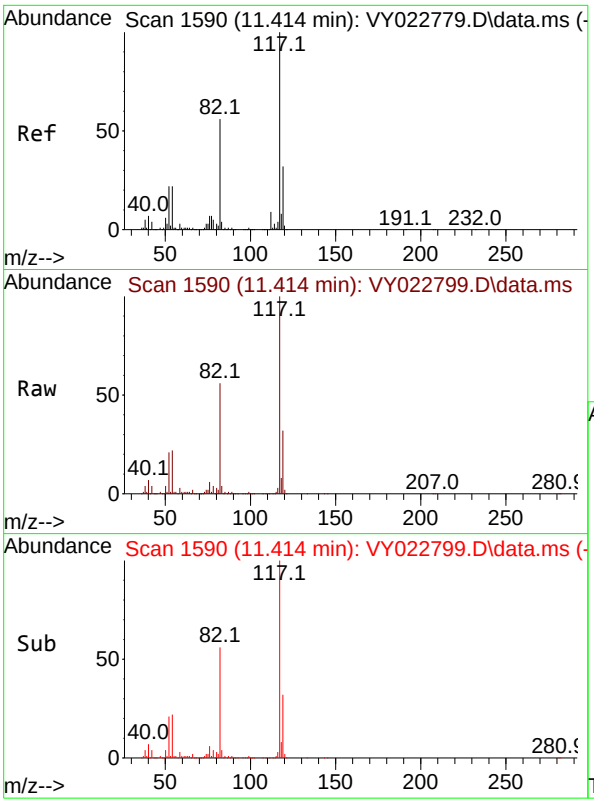


#62
4-Bromofluorobenzene
Concen: 51.590 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion: 95 Resp: 230553

Ion	Ratio	Lower	Upper
95	100		
174	84.7	0.0	170.0
176	81.8	0.0	166.2



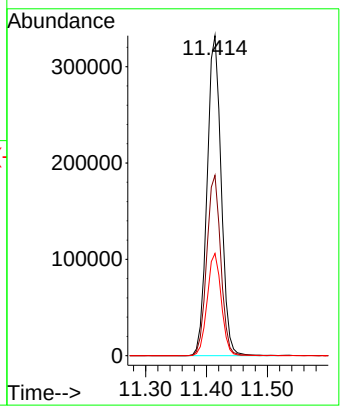


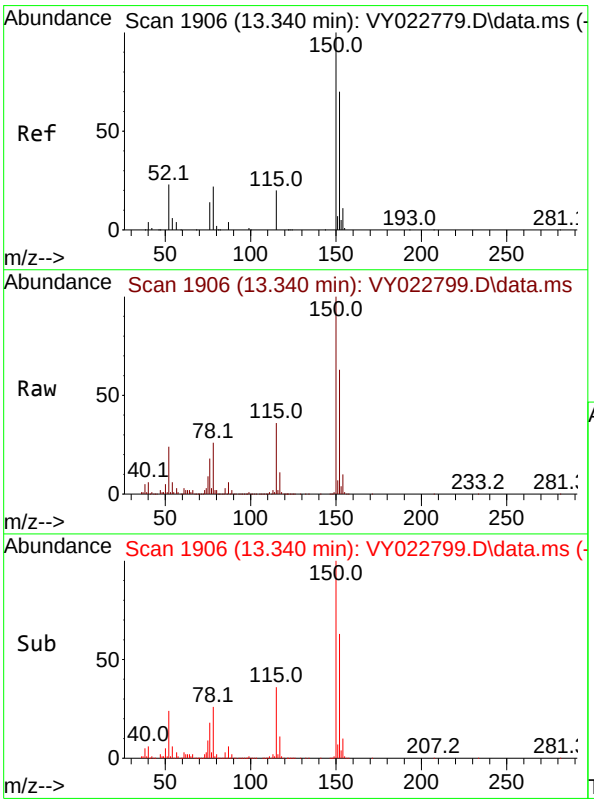
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Tgt Ion:117 Resp: 531349

Ion	Ratio	Lower	Upper
117	100		
82	56.4	44.6	66.8
119	31.9	25.4	38.0

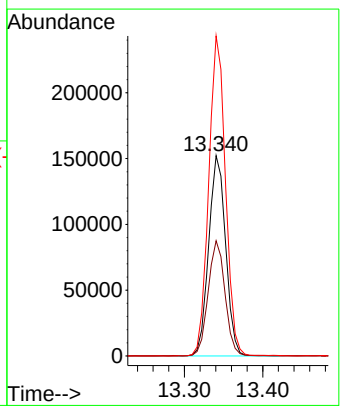




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022799.D
Acq: 24 Jun 2025 15:52

Tgt Ion:152 Resp: 229194

Ion	Ratio	Lower	Upper
152	100		
115	56.6	28.9	86.7
150	157.7	0.0	349.6



Sample Results: **VY022799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022799.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	48	58	60	rBV7	9331	20726	1.14%	0.206%
2	2.483	119	125	132	rBV10	7526	24892	1.37%	0.247%
3	4.610	463	474	483	rBV5	7944	26484	1.46%	0.263%
4	7.634	959	970	975	rBV	238414	576364	31.83%	5.724%
5	7.707	975	982	995	rVB	406087	942395	52.05%	9.359%
6	8.055	1031	1039	1051	rBV	208220	469902	25.95%	4.667%
7	8.610	1121	1130	1140	rBV	682824	1343848	74.22%	13.347%
8	10.103	1367	1375	1383	rBV	1068678	1810550	100.00%	17.982%
9	10.164	1383	1385	1390	rVB	13112	19564	1.08%	0.194%
10	11.414	1582	1590	1601	rBV	1036321	1685282	93.08%	16.737%
11	11.627	1617	1625	1636	rVB8	8620	21527	1.19%	0.214%
12	11.963	1669	1680	1690	rVB8	8813	28120	1.55%	0.279%
13	12.310	1733	1737	1744	rVB4	12508	18644	1.03%	0.185%
14	12.402	1744	1752	1761	rBV2	869573	1457941	80.52%	14.480%
15	12.725	1801	1805	1815	rVB7	16850	32766	1.81%	0.325%
16	13.340	1894	1906	1914	rBV	956856	1451664	80.18%	14.417%
17	13.883	1990	1995	2001	rVB3	19491	32775	1.81%	0.326%
18	14.523	2089	2100	2106	rBV3	16352	45461	2.51%	0.451%
19	14.584	2106	2110	2117	rVB7	8539	19241	1.06%	0.191%
20	15.285	2222	2225	2231	rVB2	10491	20729	1.14%	0.206%
21	16.358	2395	2401	2408	rBV2	7223	20027	1.11%	0.199%

Sum of corrected areas: 10068902

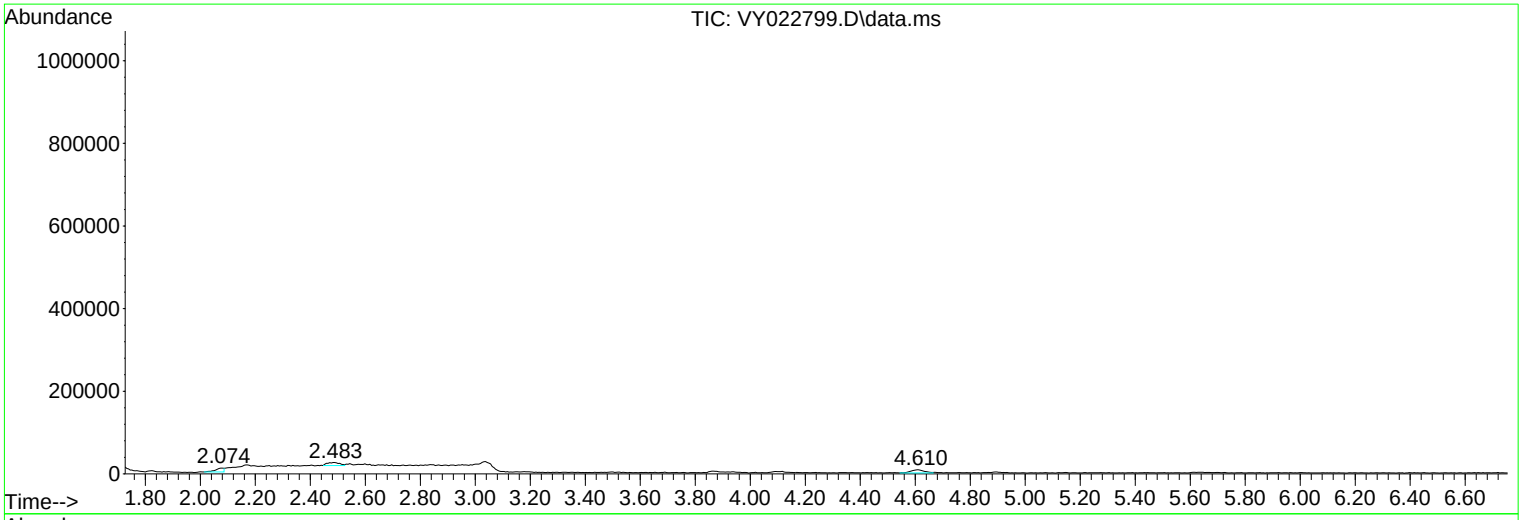
Sample Results: **VY022799.D**

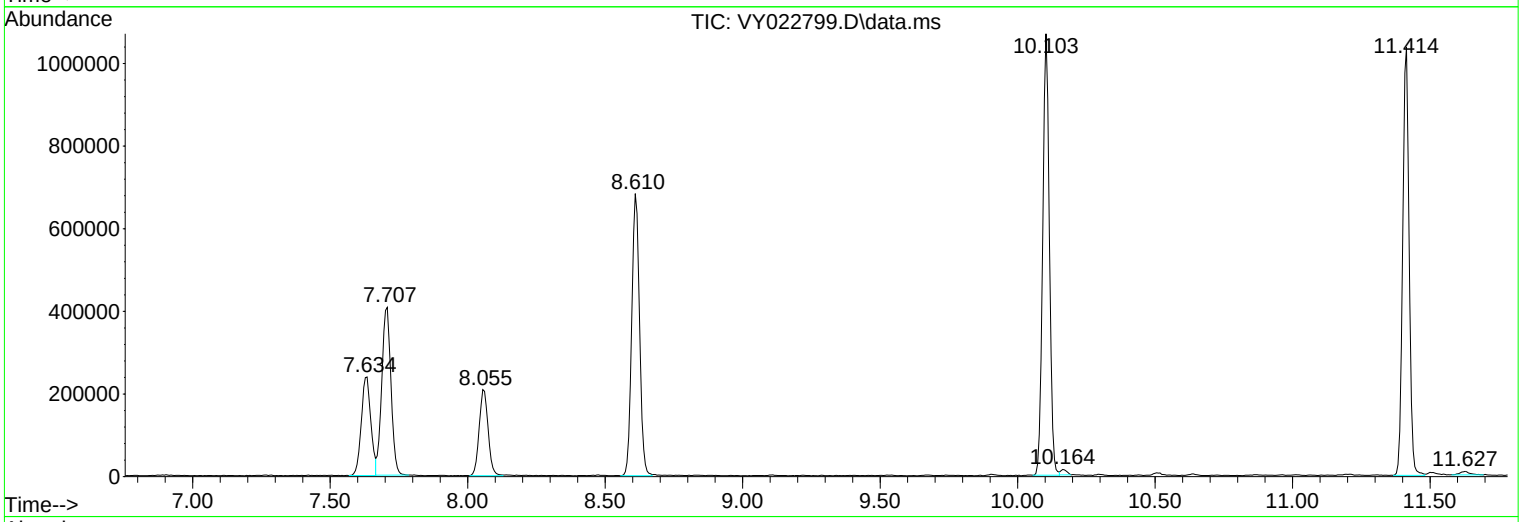
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

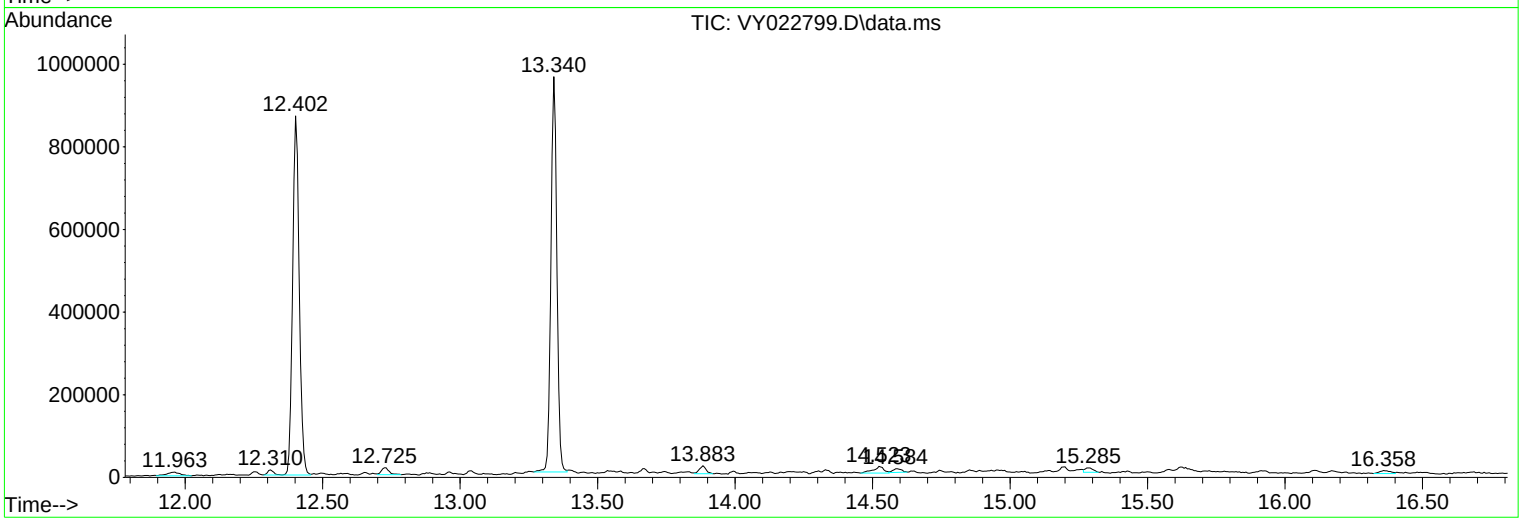
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022799.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022799.D
Acq On : 24 Jun 2025 15:52
Operator : SY/MD
Sample : Q2393-10
Misc : 4.54g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Time: Jun 25 01:28:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

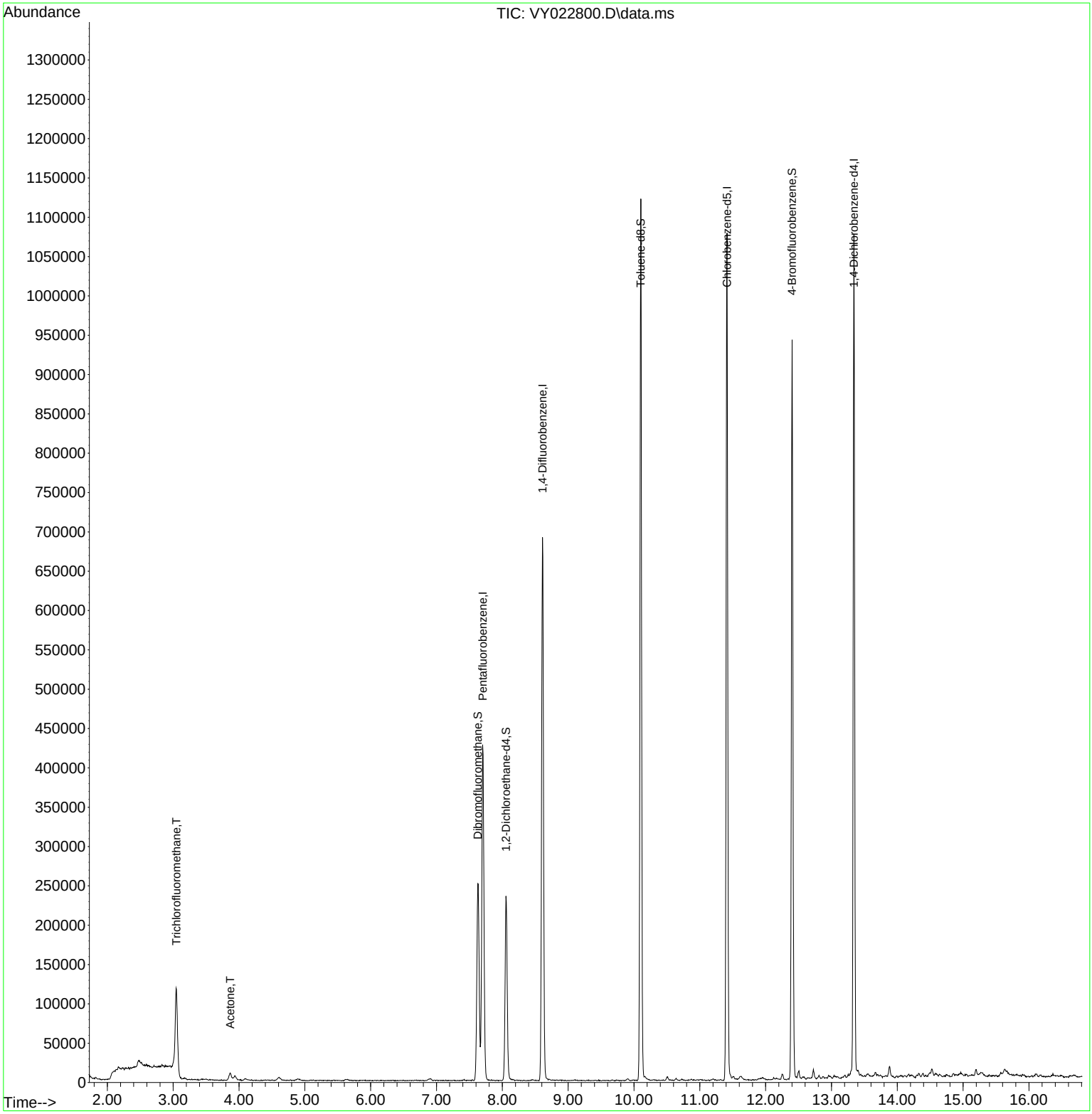
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	326857	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.609	114	591695	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	562315	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	253297	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	182513	50.030	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 100.060%			
35) Dibromofluoromethane	7.628	113	180799	50.244	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 100.480%			
50) Toluene-d8	10.103	98	704656	49.349	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.700%			
62) 4-Bromofluorobenzene	12.401	95	248893	54.222	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 108.440%			
Target Compounds						Qvalue
7) Trichlorofluoromethane	3.049	101	110190	14.925	ug/l	94
16) Acetone	3.866	43	16416	23.808	ug/l	91

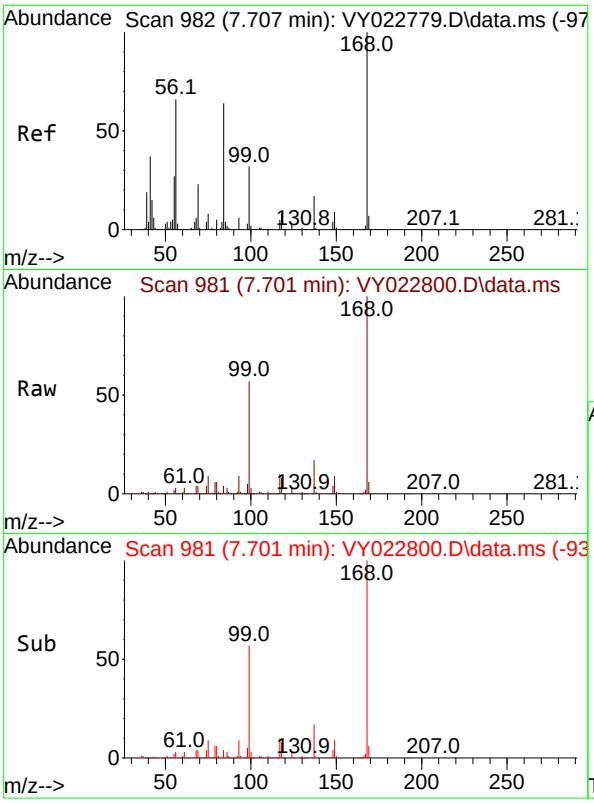
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Time: Jun 25 01:28:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



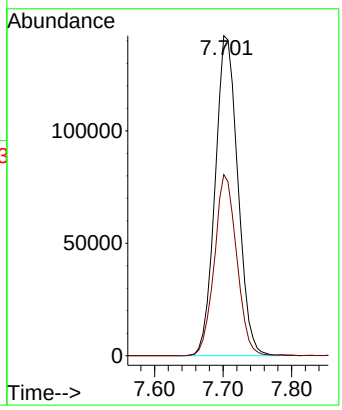


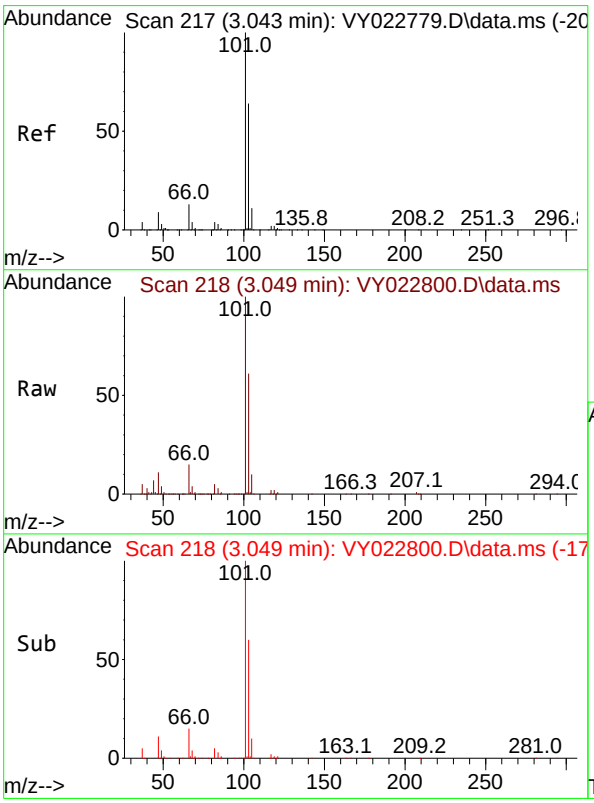
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.701 min Scan# 9
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion:168 Resp: 326857

Ion	Ratio	Lower	Upper
168	100		
99	56.6	44.3	66.5

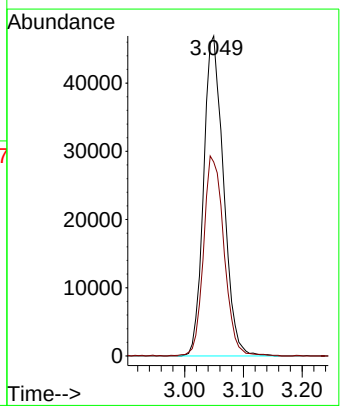


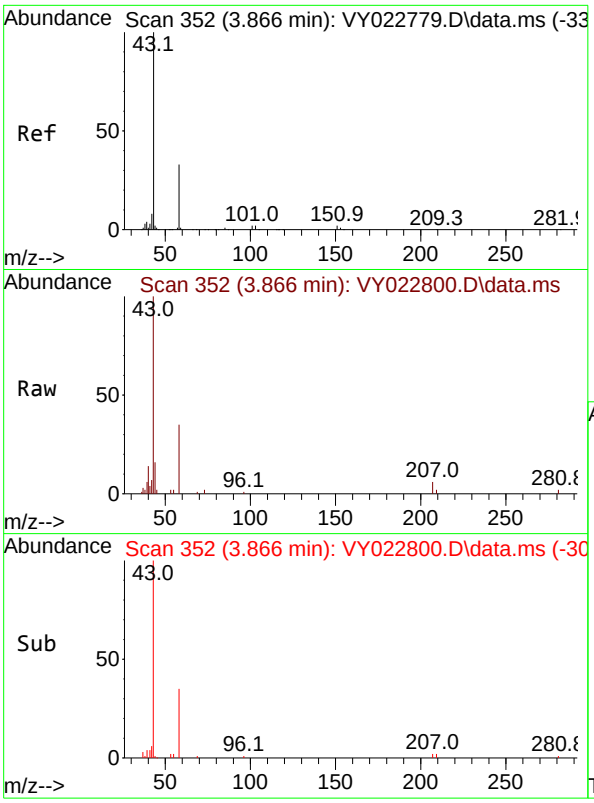


#7
Trichlorofluoromethane
Concen: 14.925 ug/l
RT: 3.049 min Scan# 218
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:101 Resp: 110190

Ion	Ratio	Lower	Upper
101	100		
103	60.4	52.2	78.2



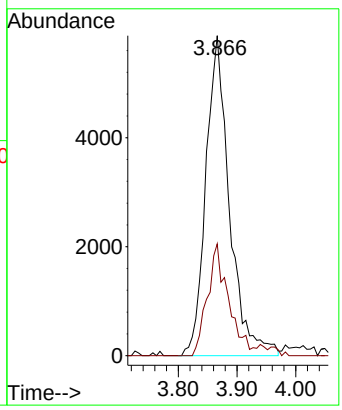


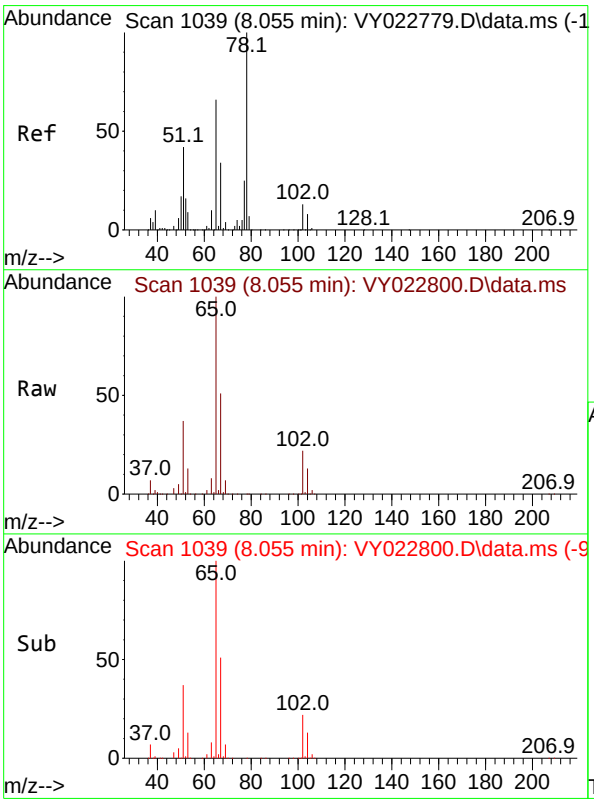
#16
Acetone
Concen: 23.808 ug/l
RT: 3.866 min Scan# 3
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion: 43 Resp: 16416

Ion	Ratio	Lower	Upper
43	100		
58	35.0	24.0	36.0

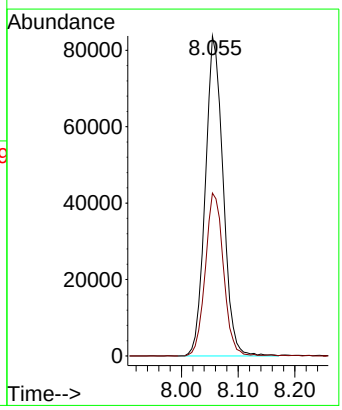


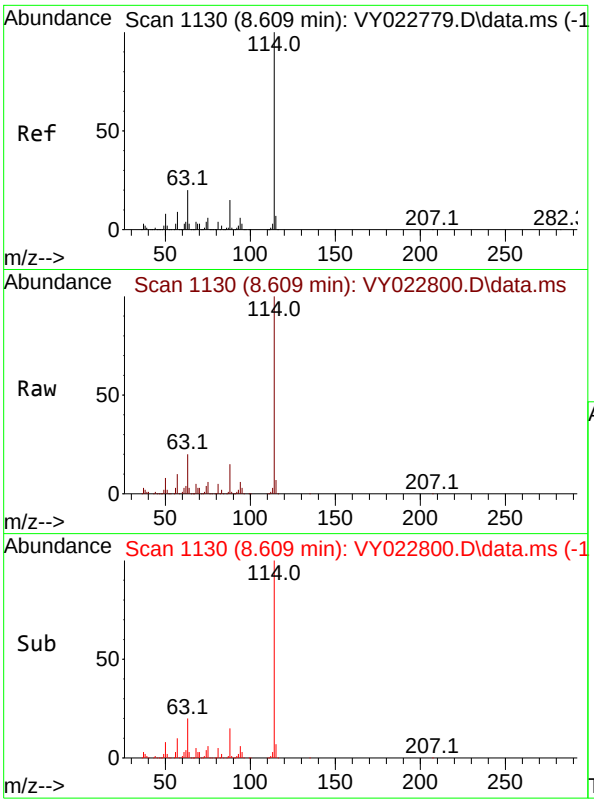


#33
1,2-Dichloroethane-d4
Concen: 50.030 ug/l
RT: 8.055 min Scan# 1039
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion: 65 Resp: 182513

Ion	Ratio	Lower	Upper
65	100		
67	51.9	0.0	103.4



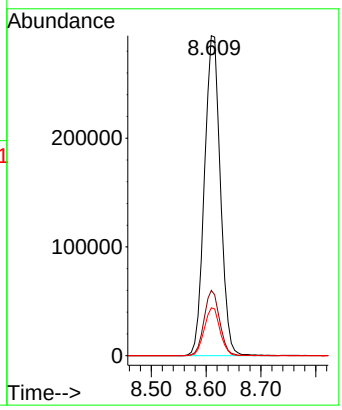


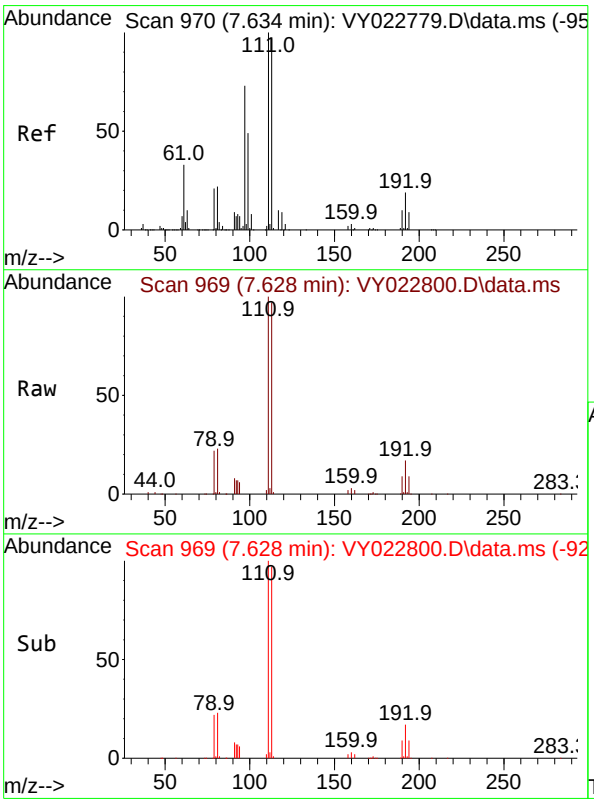
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.609 min Scan# 11
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion:114 Resp: 591695

Ion	Ratio	Lower	Upper
114	100		
63	20.4	0.0	40.8
88	14.9	0.0	27.8

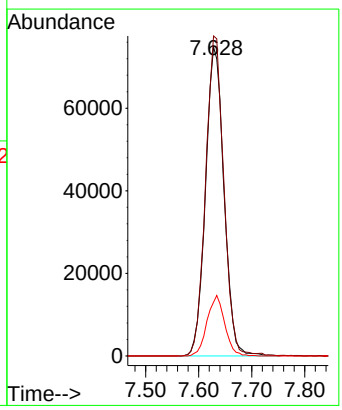


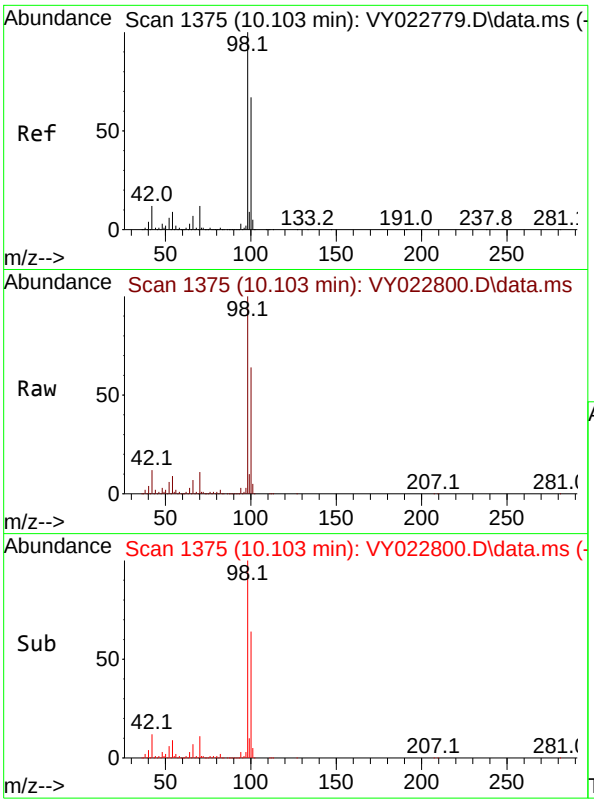


#35
Dibromofluoromethane
Concen: 50.244 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:113 Resp: 180799

Ion	Ratio	Lower	Upper
113	100		
111	102.4	81.1	121.7
192	18.8	14.2	21.2



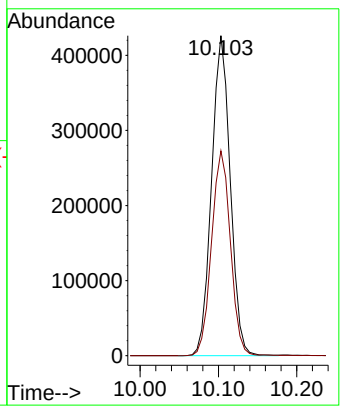


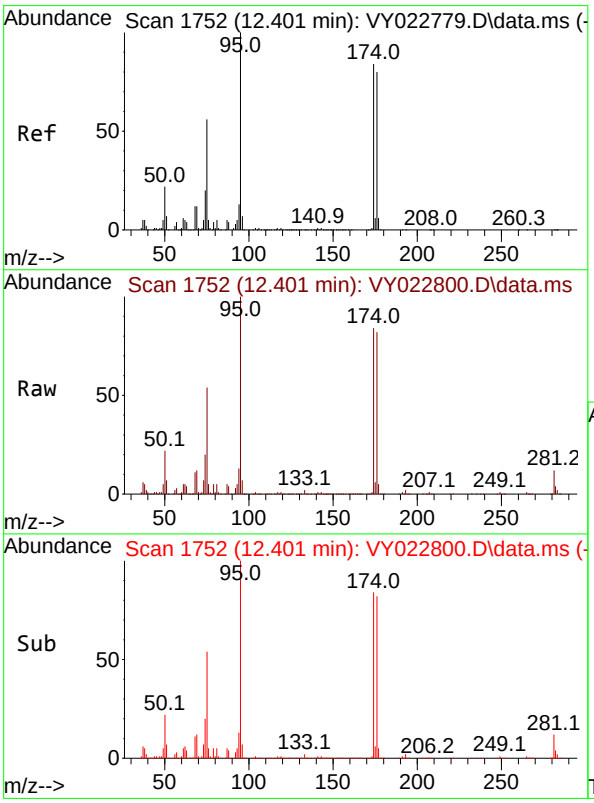
#50
Toluene-d8
Concen: 49.349 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion: 98 Resp: 704656

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

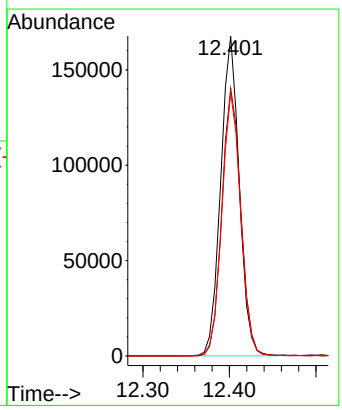


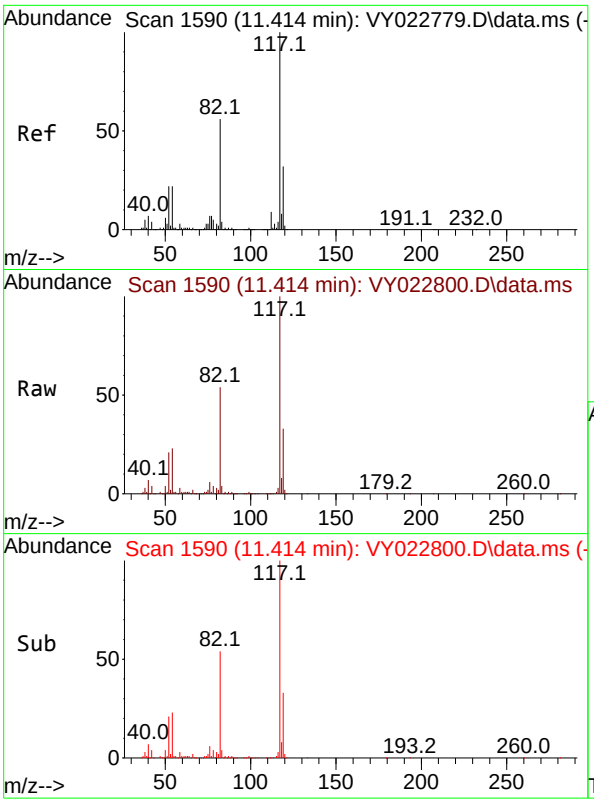


#62
4-Bromofluorobenzene
Concen: 54.222 ug/l
RT: 12.401 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion: 95 Resp: 248893

Ion	Ratio	Lower	Upper
95	100		
174	85.9	0.0	170.0
176	83.3	0.0	166.2



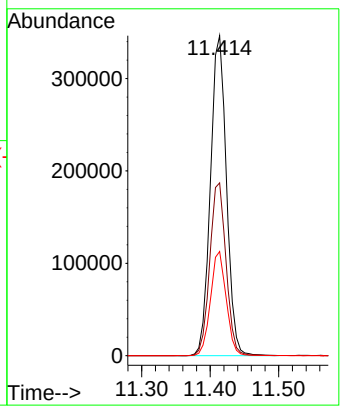


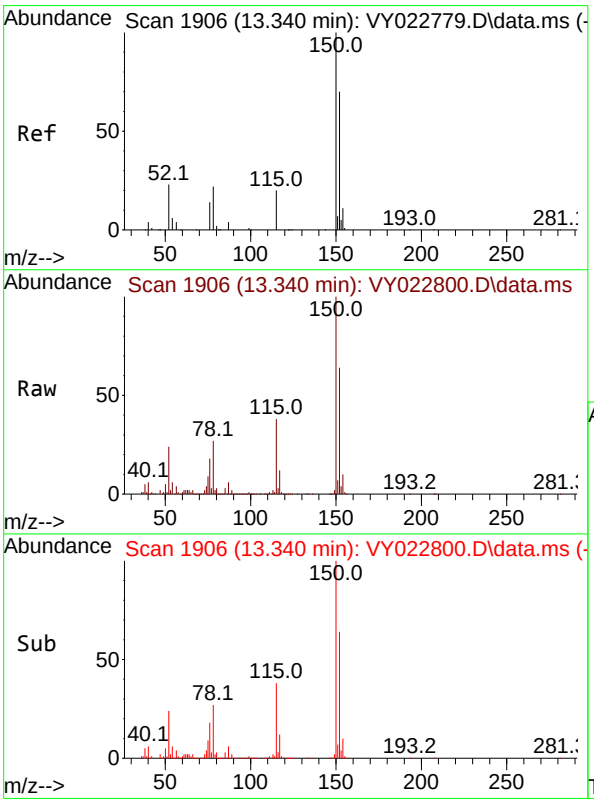
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Tgt Ion:117 Resp: 562315

Ion	Ratio	Lower	Upper
117	100		
82	54.0	44.6	66.8
119	32.5	25.4	38.0

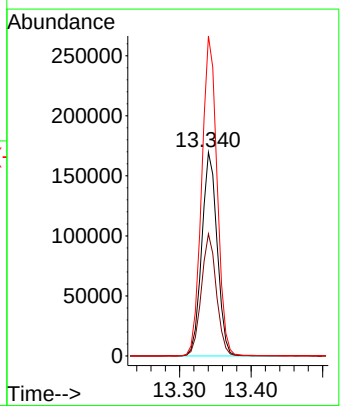




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022800.D
Acq: 24 Jun 2025 16:16

Tgt Ion:152 Resp: 253297

Ion	Ratio	Lower	Upper
152	100		
115	58.6	28.9	86.7
150	157.5	0.0	349.6



Sample Results: **VY022800.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022800.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.111	51	64	65	rBV3	10663	36735	1.95%	0.342%
2	3.043	207	217	228	rVB	114176	325574	17.31%	3.030%
3	3.866	343	352	359	rBV	9378	26436	1.41%	0.246%
4	7.628	960	969	975	rBV	250363	606536	32.24%	5.644%
5	7.701	975	981	994	rVB	426339	976201	51.89%	9.084%
6	8.055	1028	1039	1050	rBV	234869	526048	27.96%	4.895%
7	8.609	1121	1130	1144	rBV	690882	1384929	73.62%	12.888%
8	10.103	1366	1375	1383	rBV	1121366	1881191	100.00%	17.506%
9	11.414	1582	1590	1601	rBV	1077429	1774573	94.33%	16.514%
10	12.401	1744	1752	1761	rBV2	940203	1551185	82.46%	14.435%
11	12.725	1799	1805	1812	rVB6	12206	20985	1.12%	0.195%
12	13.340	1894	1906	1913	rBV	1069435	1613002	85.74%	15.010%
13	13.883	1990	1995	2002	rVB2	12765	22493	1.20%	0.209%

Sum of corrected areas: 10745888

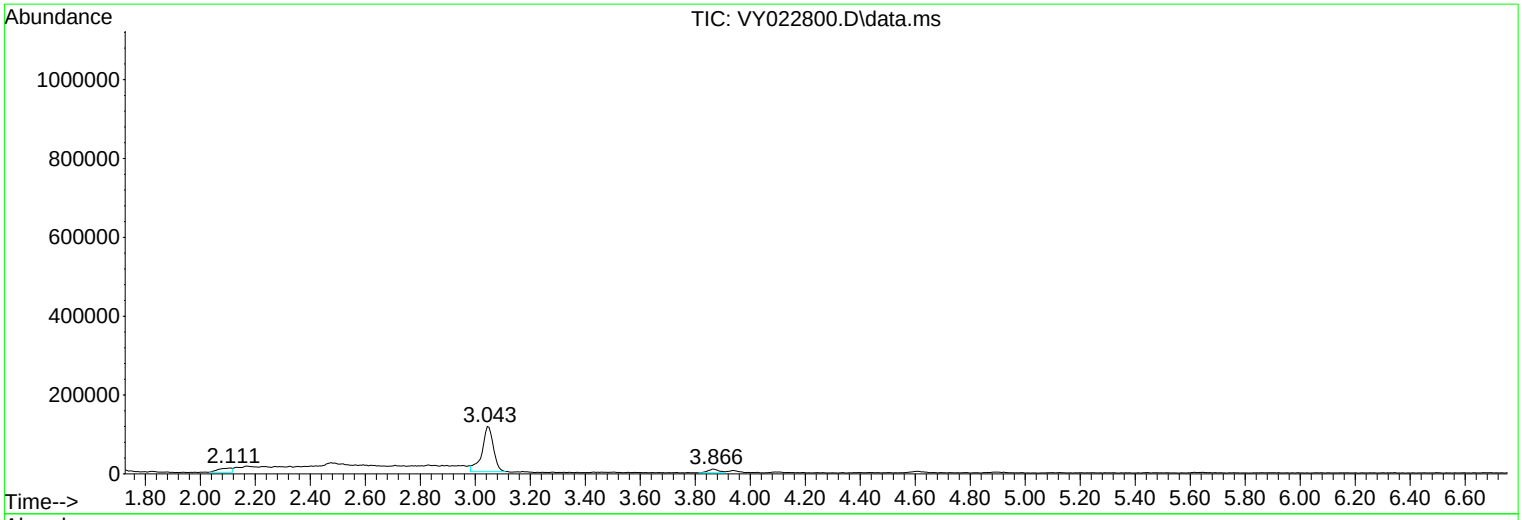
Sample Results: **VY022800.D**

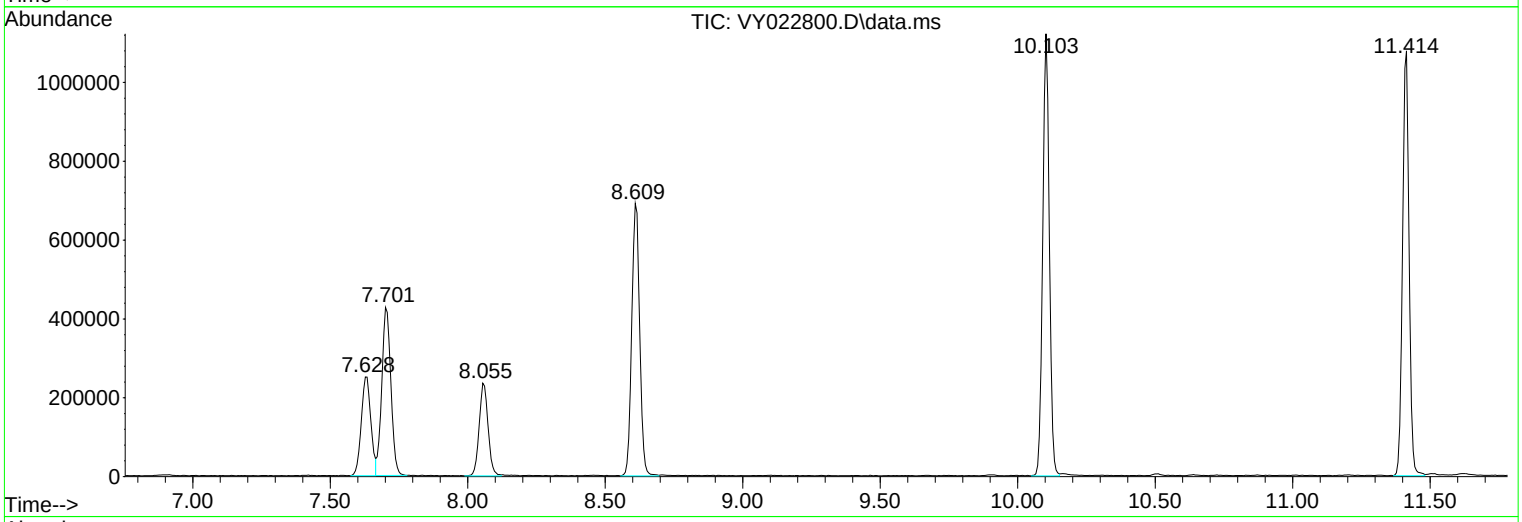
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

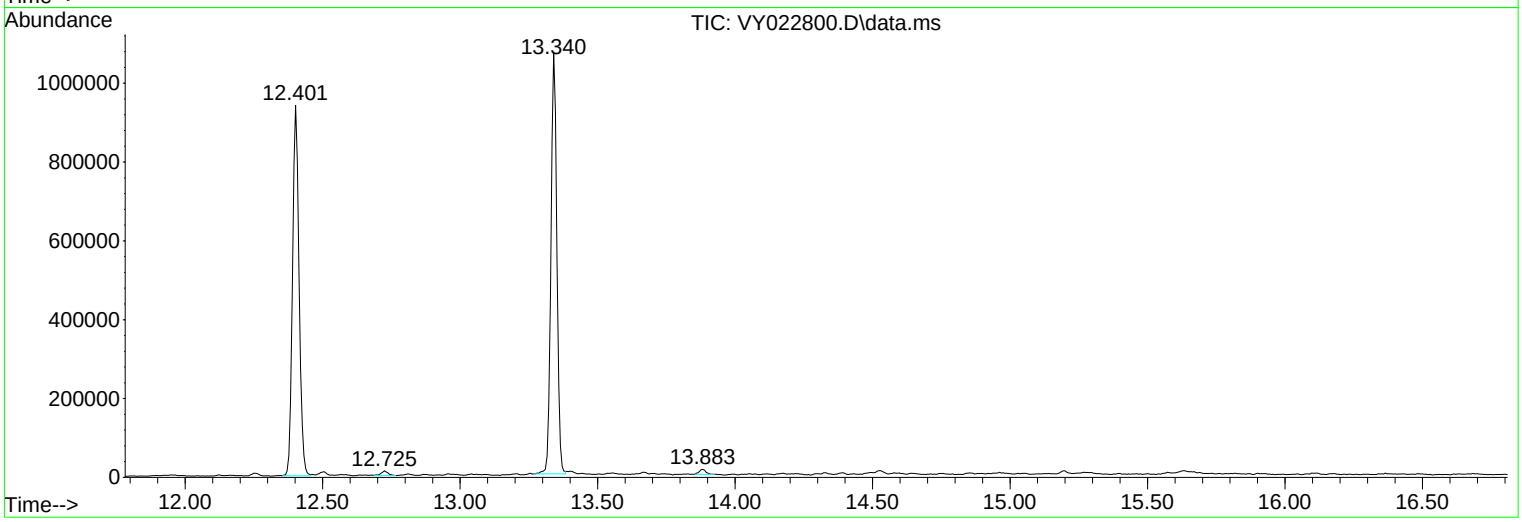
Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022800.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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_Y\Data\VY062425\
Data File : VY022800.D
Acq On : 24 Jun 2025 16:16
Operator : SY/MD
Sample : Q2393-12
Misc : 6.11g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
PARK AVE -6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Time: Jun 25 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	300507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.610	114	535641	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	452693	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	171409	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	182809	54.505	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 109.020%			
35) Dibromofluoromethane	7.628	113	170594	52.369	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 104.740%			
50) Toluene-d8	10.103	98	635701	49.179	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 98.360%			
62) 4-Bromofluorobenzene	12.402	95	177906	42.813	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 85.620%			

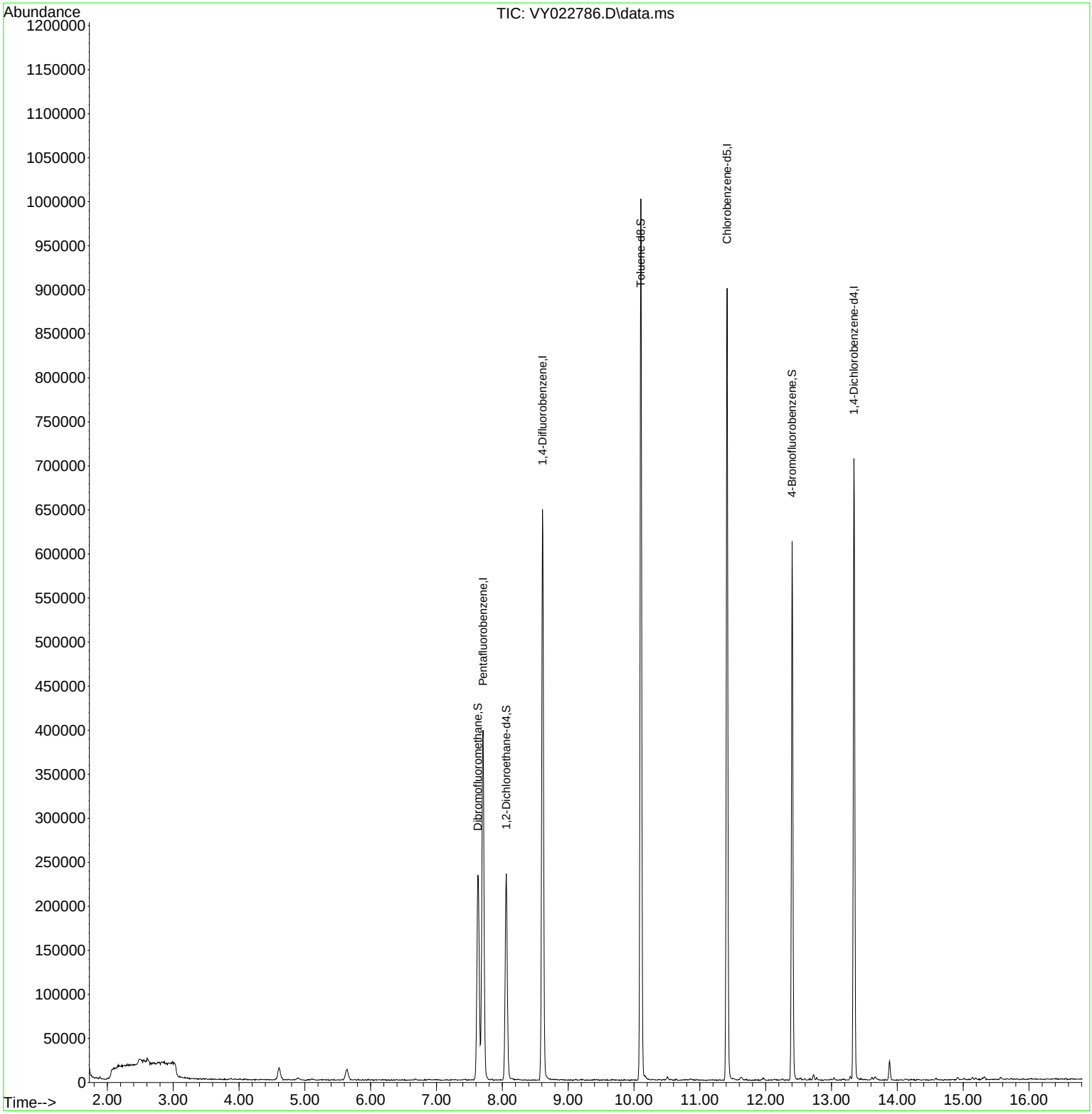
Target Compounds Qvalue

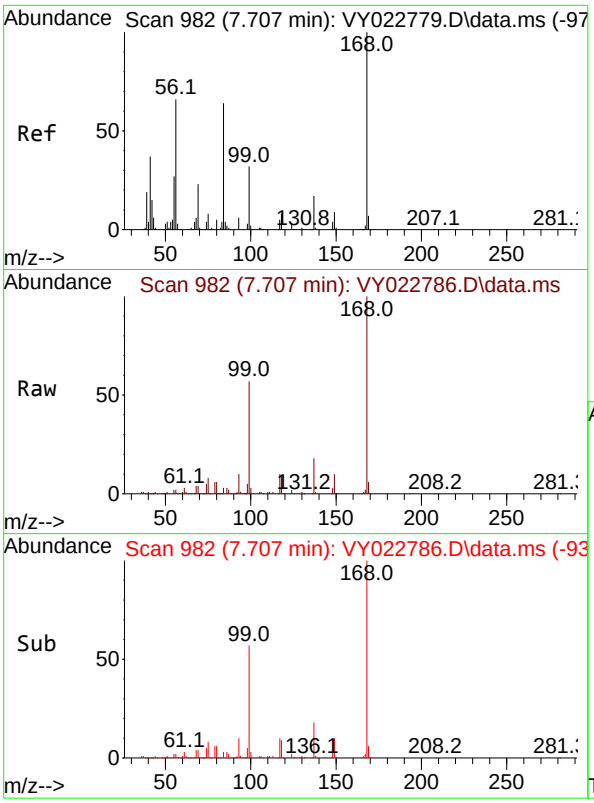
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Time: Jun 25 01:20:51 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration



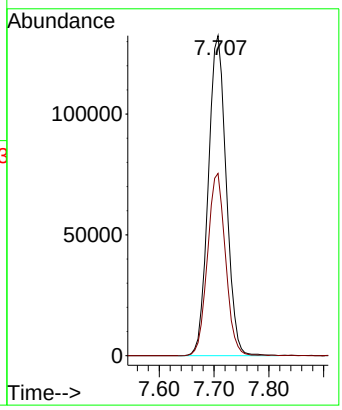


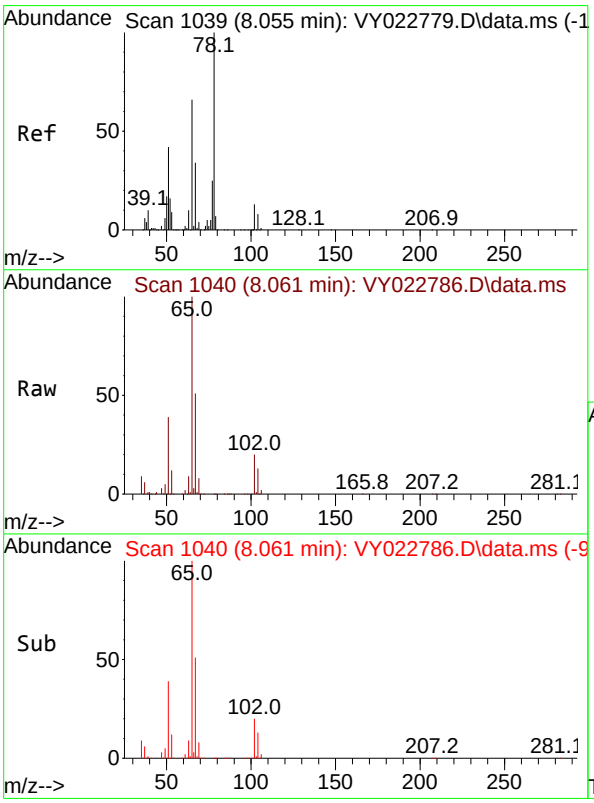
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.707 min Scan# 9
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:168 Resp: 300507

Ion	Ratio	Lower	Upper
168	100		
99	56.9	44.3	66.5

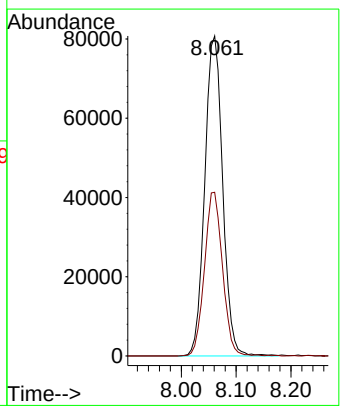


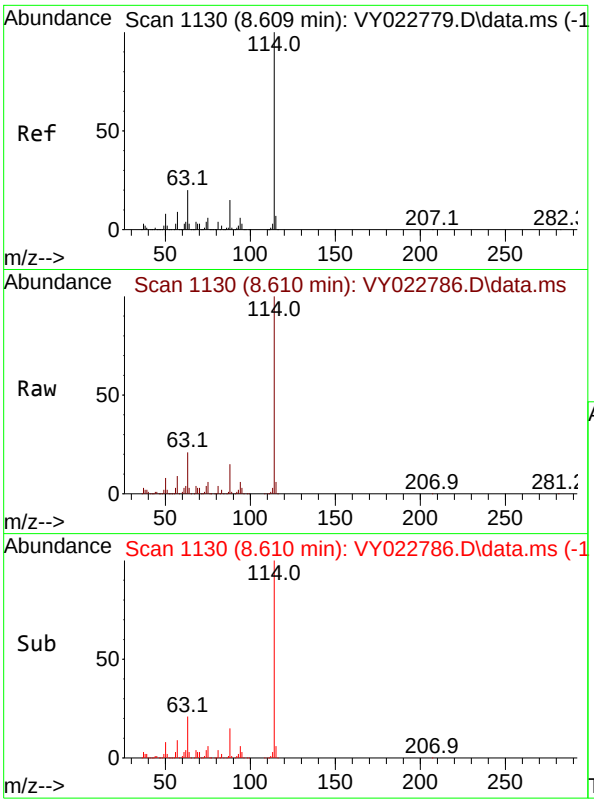


#33
1,2-Dichloroethane-d4
Concen: 54.505 ug/l
RT: 8.061 min Scan# 1040
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion: 65 Resp: 182809

Ion	Ratio	Lower	Upper
65	100		
67	51.5	0.0	103.4



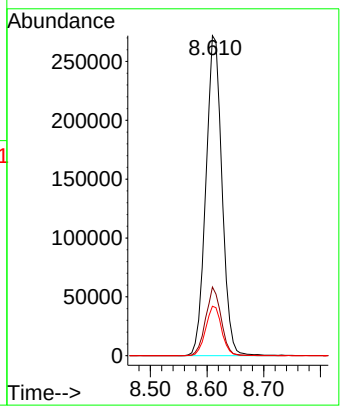


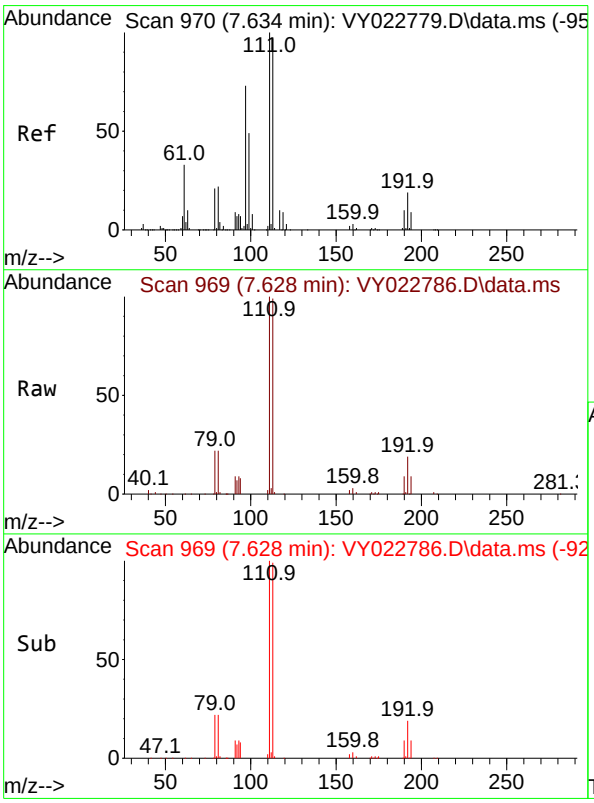
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.610 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:114 Resp: 535641

Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	40.8
88	15.4	0.0	27.8

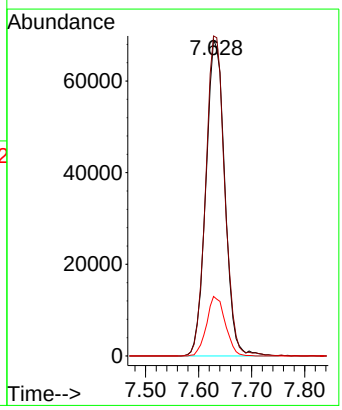


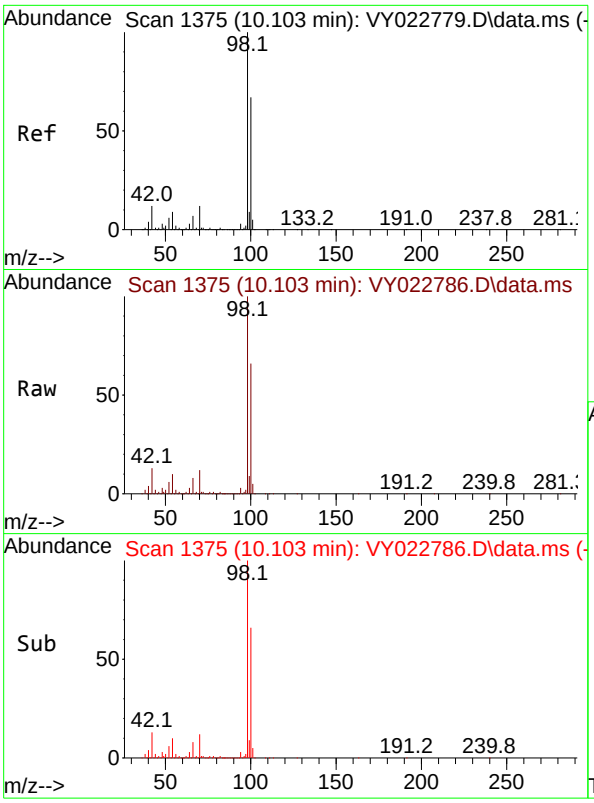


#35
Dibromofluoromethane
Concen: 52.369 ug/l
RT: 7.628 min Scan# 969
Delta R.T. -0.012 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion:113 Resp: 170594

Ion	Ratio	Lower	Upper
113	100		
111	101.5	81.1	121.7
192	18.7	14.2	21.2



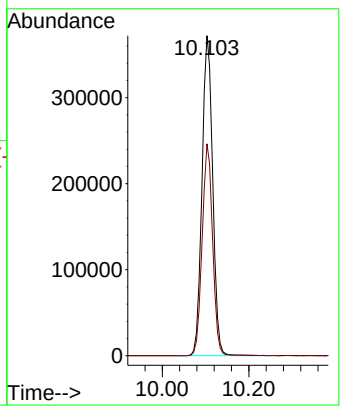


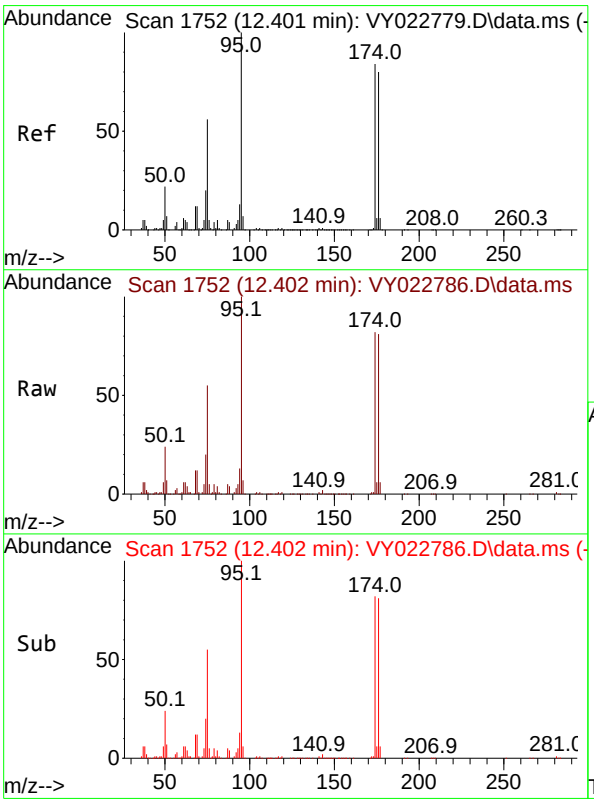
#50
Toluene-d8
Concen: 49.179 ug/l
RT: 10.103 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion: 98 Resp: 635701

Ion	Ratio	Lower	Upper
98	100		
100	64.8	51.4	77.0

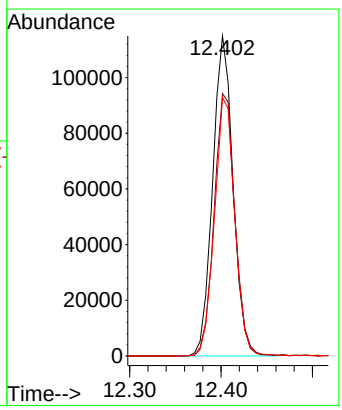


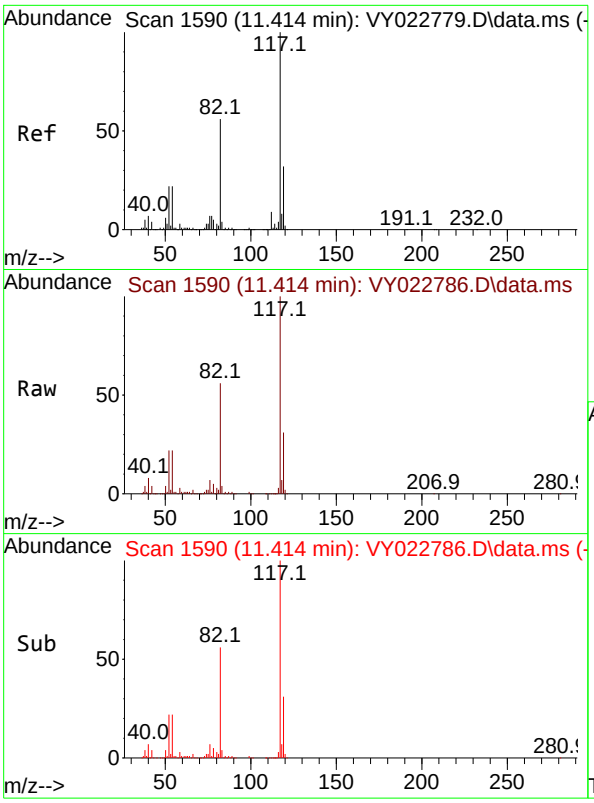


#62
4-Bromofluorobenzene
Concen: 42.813 ug/l
RT: 12.402 min Scan# 1752
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion: 95 Resp: 177906

Ion	Ratio	Lower	Upper
95	100		
174	83.6	0.0	170.0
176	80.6	0.0	166.2



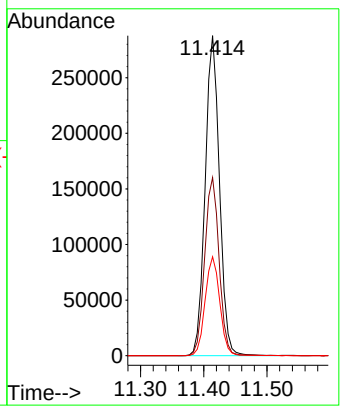


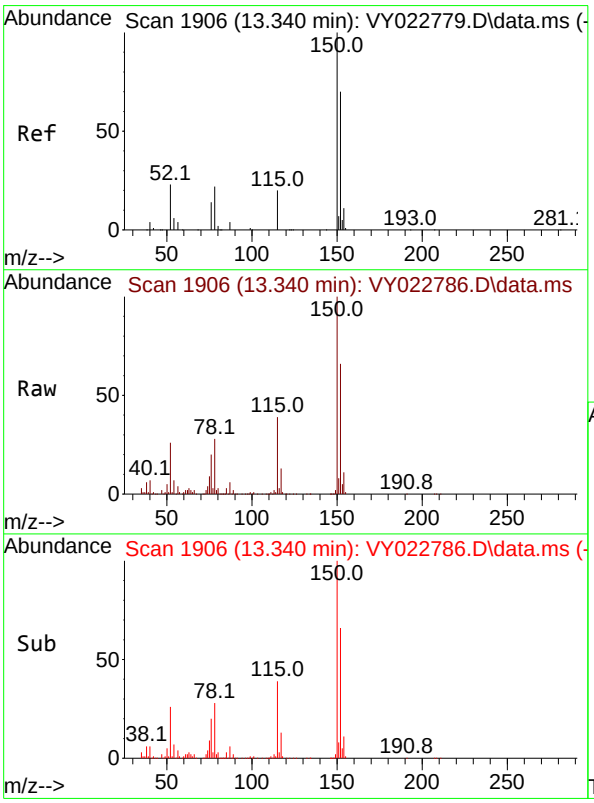
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.414 min Scan# 1
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Tgt Ion:117 Resp: 452693

Ion	Ratio	Lower	Upper
117	100		
82	55.6	44.6	66.8
119	30.9	25.4	38.0

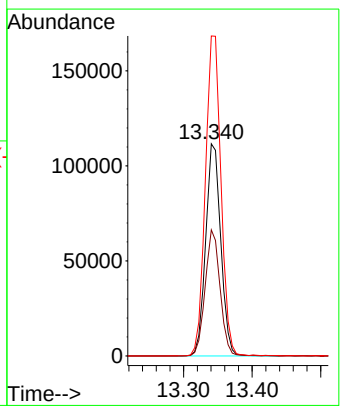




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.340 min Scan# 1906
Delta R.T. -0.006 min
Lab File: VY022786.D
Acq: 24 Jun 2025 10:25

Tgt Ion:152 Resp: 171409

Ion	Ratio	Lower	Upper
152	100		
115	58.7	28.9	86.7
150	155.7	0.0	349.6



Sample Results: **VY022786.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

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\82Y062325S.M
Title : SW846 8260

Signal : TIC: VY022786.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.074	50	58	60	rBV5	10406	24062	1.41%	0.279%
2	4.610	463	474	481	rBV3	13772	39856	2.34%	0.462%
3	5.641	633	643	651	rBV5	12228	37602	2.21%	0.436%
4	7.628	959	969	975	rBV	232756	565797	33.23%	6.562%
5	7.707	975	982	996	rVB	396496	915491	53.77%	10.617%
6	8.061	1029	1040	1050	rBV2	234440	523664	30.75%	6.073%
7	8.610	1122	1130	1149	rBV	648287	1282735	75.33%	14.877%
8	10.103	1365	1375	1383	rBV	1000922	1702759	100.00%	19.748%
9	11.414	1582	1590	1603	rBV	899440	1441043	84.63%	16.713%
10	12.402	1744	1752	1762	rBV	612077	966073	56.74%	11.204%
11	13.340	1900	1906	1918	rVB	704619	1087428	63.86%	12.611%
12	13.883	1989	1995	2002	rBV3	21846	36006	2.11%	0.418%

Sum of corrected areas: 8622516

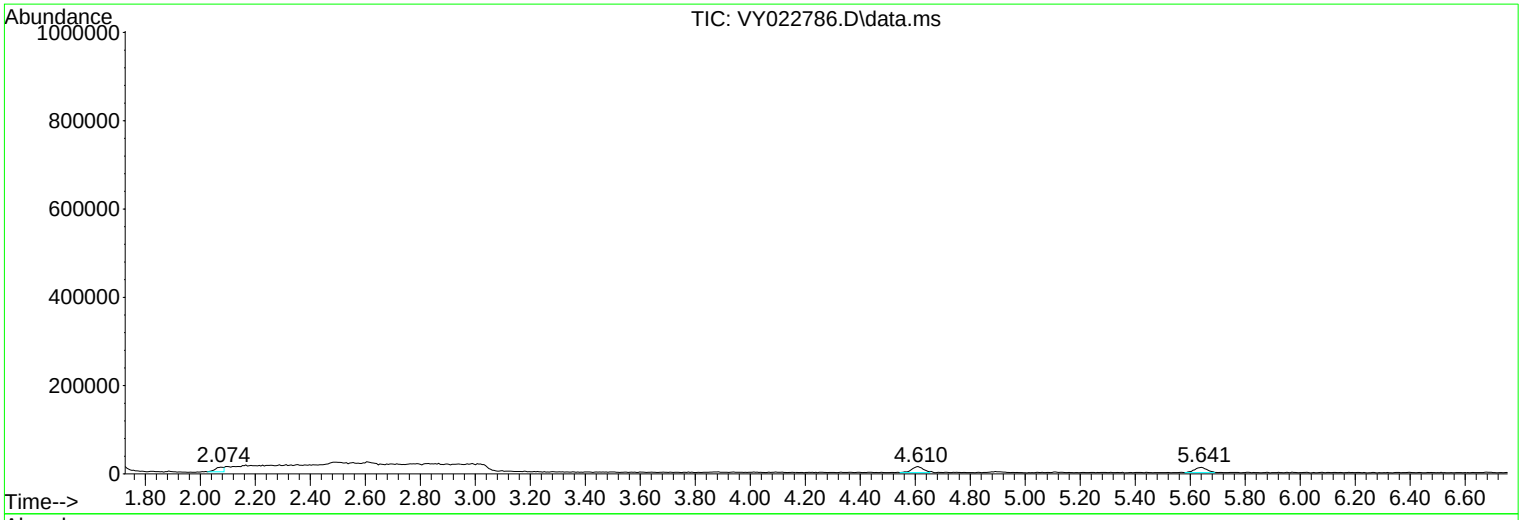
Sample Results: **VY022786.D**

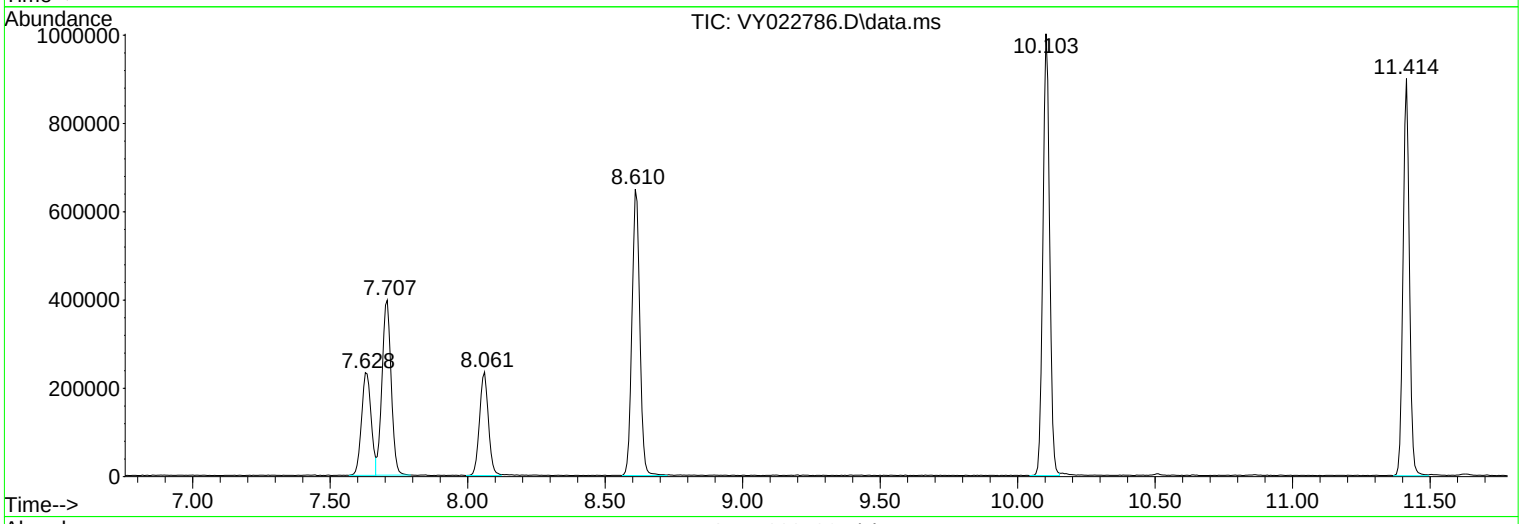
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

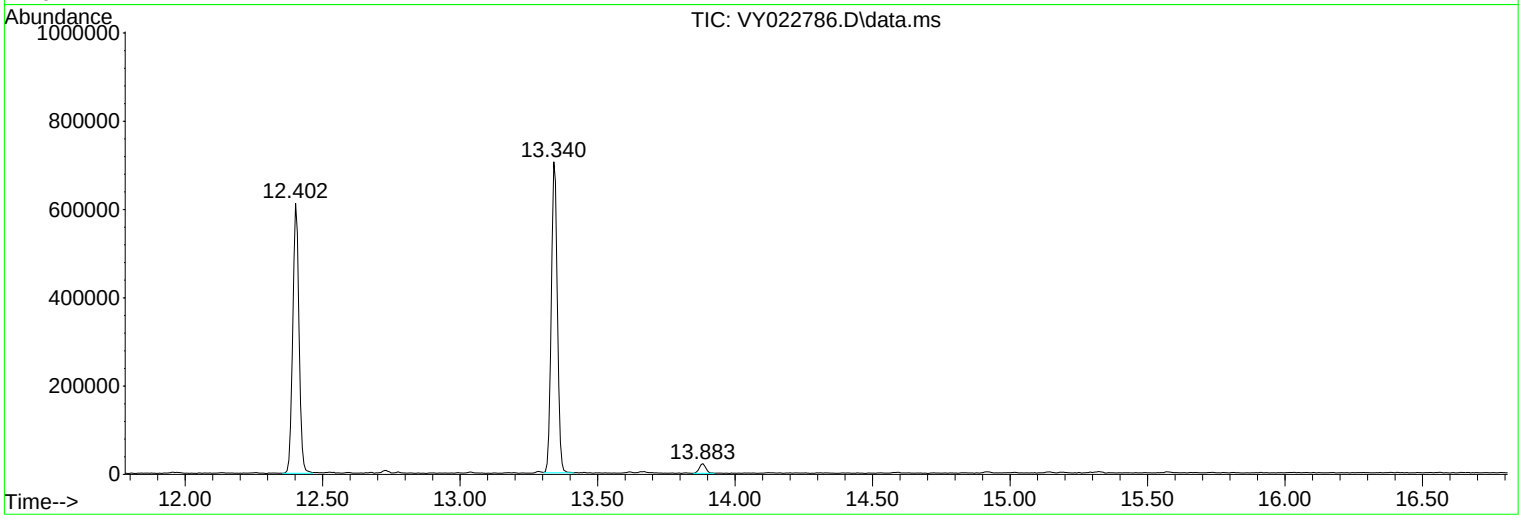
Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260

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







Library Search Compound Report

Sample Results: **VY022786.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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_Y\Data\VY062425\
Data File : VY022786.D
Acq On : 24 Jun 2025 10:25
Operator : SY/MD
Sample : VY0624SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.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\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.701	168	456381	50.000	ug/l	-0.01
34) 1,4-Difluorobenzene	8.610	114	765818	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	658494	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	311846	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.055	65	258457	50.741	ug/l	-0.01
Spiked Amount 50.000	Range 50 - 163		Recovery = 101.480%			
35) Dibromofluoromethane	7.628	113	237954	51.092	ug/l	-0.01
Spiked Amount 50.000	Range 54 - 147		Recovery = 102.180%			
50) Toluene-d8	10.103	98	937358	50.720	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 101.440%			
62) 4-Bromofluorobenzene	12.402	95	288353	48.536	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 97.080%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.867	85	80681	20.674	ug/l	98
3) Chloromethane	2.068	50	151870	20.380	ug/l	99
4) Vinyl Chloride	2.202	62	189178	20.320	ug/l	99
5) Bromomethane	2.586	94	156887	21.435	ug/l	97
6) Chloroethane	2.726	64	126812	20.264	ug/l	95
7) Trichlorofluoromethane	3.043	101	207987	20.176	ug/l	96
8) Diethyl Ether	3.452	74	51539	20.242	ug/l	98
9) 1,1,2-Trichlorotrifluo...	3.812	101	96792	20.546	ug/l	98
10) Methyl Iodide	4.001	142	89629	17.474	ug/l	100
11) Tert butyl alcohol	4.866	59	33635	99.308	ug/l	97
12) 1,1-Dichloroethene	3.781	96	92667	20.060	ug/l	95
13) Acrolein	3.647	56	47424	103.260	ug/l	95
14) Allyl chloride	4.379	41	146217	20.579	ug/l	93
15) Acrylonitrile	5.055	53	107474	101.169	ug/l	99
16) Acetone	3.873	43	99768	103.629	ug/l	99
17) Carbon Disulfide	4.104	76	305830	20.494	ug/l	98
18) Methyl Acetate	4.379	43	59655	18.711	ug/l	98
19) Methyl tert-butyl Ether	5.110	73	252967	20.111	ug/l	96
20) Methylene Chloride	4.610	84	110970	18.252	ug/l	96
21) trans-1,2-Dichloroethene	5.104	96	106564	20.184	ug/l	94
22) Diisopropyl ether	6.012	45	321027	20.345	ug/l	96
23) Vinyl Acetate	5.958	43	906576	104.027	ug/l	100
24) 1,1-Dichloroethane	5.909	63	195430	20.504	ug/l	99
25) 2-Butanone	6.890	43	143746	102.588	ug/l	99
26) 2,2-Dichloropropane	6.884	77	164624	20.605	ug/l	99
27) cis-1,2-Dichloroethene	6.884	96	122077	19.899	ug/l	98
28) Bromochloromethane	7.238	49	82032	20.472	ug/l	95
29) Tetrahydrofuran	7.256	42	89736	101.422	ug/l	98
30) Chloroform	7.415	83	194987	19.863	ug/l	97
31) Cyclohexane	7.701	56	175827	20.097	ug/l	93
32) 1,1,1-Trichloroethane	7.610	97	173928	20.502	ug/l	99
36) 1,1-Dichloropropene	7.835	75	143801	20.370	ug/l	100
37) Ethyl Acetate	6.982	43	63401	20.813	ug/l	98
38) Carbon Tetrachloride	7.817	117	148557	19.944	ug/l	96
39) Methylcyclohexane	9.103	83	183335	20.068	ug/l	97
40) Benzene	8.079	78	436818	20.126	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.220	41	34505	18.399	ug/l		95
42) 1,2-Dichloroethane	8.158	62	119482	20.089	ug/l		99
43) Isopropyl Acetate	8.195	43	126183	19.930	ug/l		99
44) Trichloroethene	8.859	130	108598	19.929	ug/l		96
45) 1,2-Dichloropropane	9.140	63	102981	20.273	ug/l		97
46) Dibromomethane	9.225	93	57676	20.001	ug/l		95
47) Bromodichloromethane	9.420	83	152012	20.443	ug/l		97
48) Methyl methacrylate	9.219	41	59051	19.401	ug/l		93
49) 1,4-Dioxane	9.225	88	13754	403.709	ug/l		99
51) 4-Methyl-2-Pentanone	9.993	43	326652	101.528	ug/l		97
52) Toluene	10.164	92	270533	19.757	ug/l		98
53) t-1,3-Dichloropropene	10.390	75	131291	19.624	ug/l		97
54) cis-1,3-Dichloropropene	9.853	75	156954	20.233	ug/l		95
55) 1,1,2-Trichloroethane	10.566	97	75639	20.257	ug/l		98
56) Ethyl methacrylate	10.438	69	96651	19.239	ug/l		97
57) 1,3-Dichloropropane	10.713	76	130811	20.079	ug/l		99
58) 2-Chloroethyl Vinyl ether	9.707	63	237217	99.871	ug/l		98
59) 2-Hexanone	10.755	43	215777	98.645	ug/l		98
60) Dibromochloromethane	10.908	129	94732	19.641	ug/l		100
61) 1,2-Dibromoethane	11.012	107	69777	19.969	ug/l		97
64) Tetrachloroethene	10.646	164	115603	18.583	ug/l		96
65) Chlorobenzene	11.438	112	285635	19.741	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	94942	19.373	ug/l		99
67) Ethyl Benzene	11.518	91	494938	19.469	ug/l		97
68) m/p-Xylenes	11.627	106	383028	38.976	ug/l		100
69) o-Xylene	11.950	106	176241	19.033	ug/l		96
70) Styrene	11.963	104	296321	19.104	ug/l		100
71) Bromoform	12.127	173	51385	18.830	ug/l	#	98
73) Isopropylbenzene	12.249	105	464061	20.121	ug/l		100
74) N-amyl acetate	12.066	43	105914	20.459	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.499	83	81128	21.826	ug/l		98
76) 1,2,3-Trichloropropane	12.554	75	64712m	20.326	ug/l		
77) Bromobenzene	12.523	156	103685	19.834	ug/l		100
78) n-propylbenzene	12.591	91	564023	20.256	ug/l		99
79) 2-Chlorotoluene	12.676	91	314954	20.020	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	370288	19.889	ug/l		98
81) trans-1,4-Dichloro-2-b...	12.298	75	25639	20.346	ug/l		98
82) 4-Chlorotoluene	12.773	91	326505	19.758	ug/l		99
83) tert-Butylbenzene	12.993	119	327400	19.940	ug/l		99
84) 1,2,4-Trimethylbenzene	13.036	105	368212	19.754	ug/l		99
85) sec-Butylbenzene	13.170	105	491676	19.902	ug/l		99
86) p-Isopropyltoluene	13.285	119	405641	19.731	ug/l		100
87) 1,3-Dichlorobenzene	13.285	146	206895	19.706	ug/l		98
88) 1,4-Dichlorobenzene	13.365	146	203188	19.483	ug/l		99
89) n-Butylbenzene	13.615	91	378895	19.593	ug/l		99
90) Hexachloroethane	13.871	117	83492	20.390	ug/l		96
91) 1,2-Dichlorobenzene	13.651	146	179542	19.405	ug/l		98
92) 1,2-Dibromo-3-Chloropr...	14.267	75	12253	19.439	ug/l		95
93) 1,2,4-Trichlorobenzene	14.913	180	99715	19.088	ug/l		99
94) Hexachlorobutadiene	15.017	225	56915	19.267	ug/l		98
95) Naphthalene	15.139	128	173849	18.403	ug/l		100
96) 1,2,3-Trichlorobenzene	15.322	180	85697	18.985	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

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

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

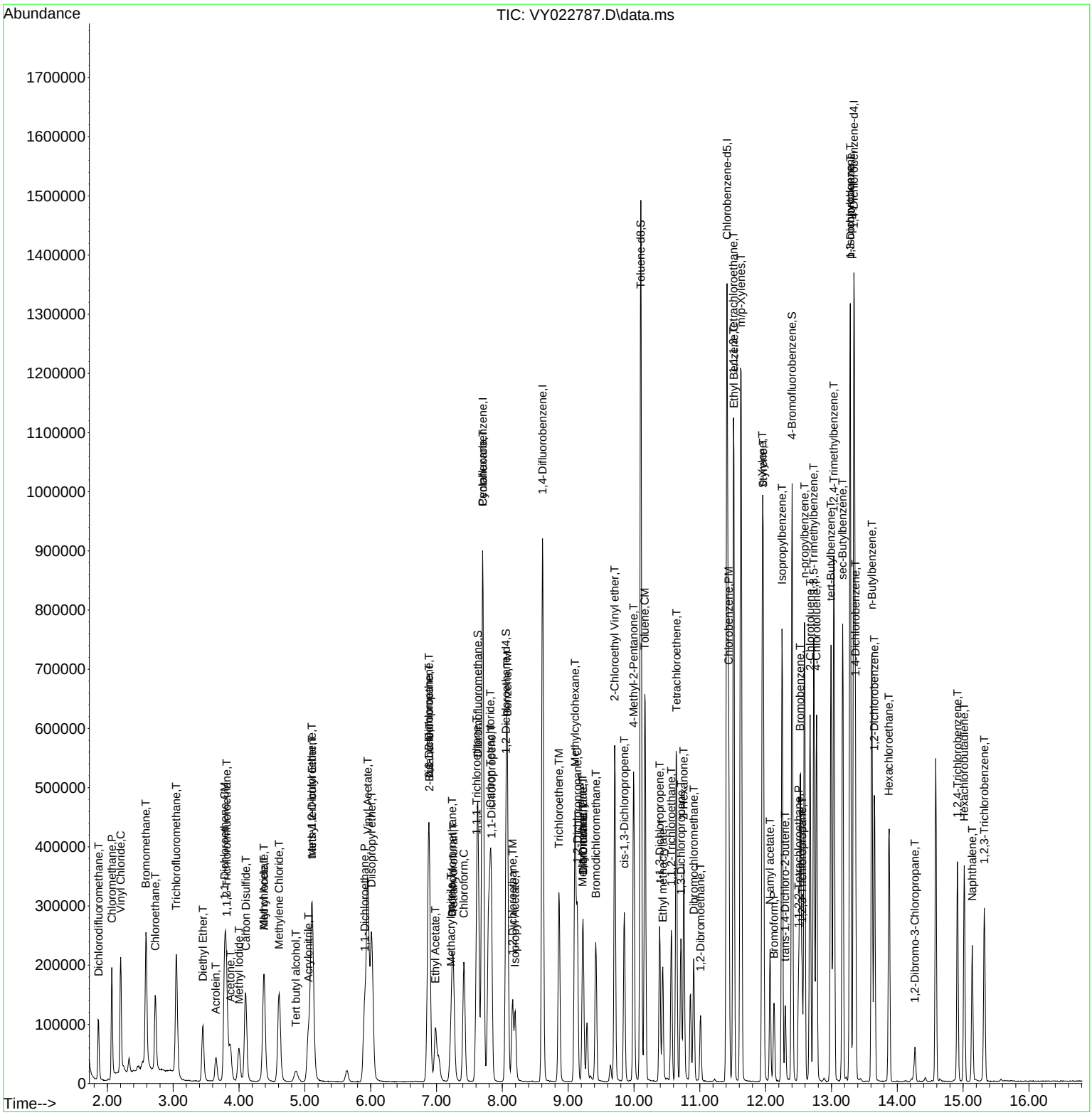
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022787.D
Acq On : 24 Jun 2025 10:58
Operator : SY/MD
Sample : VY0624SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Quant Time: Jun 25 01:21:17 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	7.707	168	454676	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.609	114	751533	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	644021	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.340	152	303566	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.061	65	246467	48.568	ug/l	0.00
Spiked Amount 50.000	Range 50 - 163		Recovery = 97.140%			
35) Dibromofluoromethane	7.634	113	227031	49.674	ug/l	0.00
Spiked Amount 50.000	Range 54 - 147		Recovery = 99.340%			
50) Toluene-d8	10.103	98	915700	50.490	ug/l	0.00
Spiked Amount 50.000	Range 58 - 134		Recovery = 100.980%			
62) 4-Bromofluorobenzene	12.401	95	277996	47.682	ug/l	0.00
Spiked Amount 50.000	Range 30 - 143		Recovery = 95.360%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.861	85	83841	21.564	ug/l	100
3) Chloromethane	2.068	50	148016	19.937	ug/l	98
4) Vinyl Chloride	2.196	62	190974	20.590	ug/l	97
5) Bromomethane	2.586	94	149920	20.560	ug/l	100
6) Chloroethane	2.726	64	124997	20.048	ug/l	93
7) Trichlorofluoromethane	3.043	101	212732	20.713	ug/l	100
8) Diethyl Ether	3.446	74	49045	19.335	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.811	101	98481	20.983	ug/l	98
10) Methyl Iodide	4.000	142	94235	18.441	ug/l	100
11) Tert butyl alcohol	4.860	59	31222	92.529	ug/l #	73
12) 1,1-Dichloroethene	3.781	96	91858	19.960	ug/l	98
13) Acrolein	3.647	56	43455	94.972	ug/l	99
14) Allyl chloride	4.378	41	140797	19.890	ug/l	95
15) Acrylonitrile	5.049	53	101092	95.519	ug/l	99
16) Acetone	3.860	43	90320	94.167	ug/l	99
17) Carbon Disulfide	4.098	76	304896	20.508	ug/l	99
18) Methyl Acetate	4.378	43	55496	17.471	ug/l	98
19) Methyl tert-butyl Ether	5.104	73	239186	19.087	ug/l	98
20) Methylene Chloride	4.604	84	108504	17.913	ug/l	95
21) trans-1,2-Dichloroethene	5.110	96	104363	19.842	ug/l	96
22) Diisopropyl ether	6.018	45	314393	19.999	ug/l	97
23) Vinyl Acetate	5.957	43	854467	98.416	ug/l	99
24) 1,1-Dichloroethane	5.909	63	192393	20.261	ug/l	99
25) 2-Butanone	6.890	43	130645	93.588	ug/l	98
26) 2,2-Dichloropropane	6.878	77	160327	20.142	ug/l	99
27) cis-1,2-Dichloroethene	6.890	96	119261	19.513	ug/l	99
28) Bromochloromethane	7.238	49	80516	20.169	ug/l	94
29) Tetrahydrofuran	7.256	42	81271	92.199	ug/l	98
30) Chloroform	7.414	83	192735	19.707	ug/l	92
31) Cyclohexane	7.695	56	175872	20.177	ug/l	96
32) 1,1,1-Trichloroethane	7.616	97	172060	20.358	ug/l	99
36) 1,1-Dichloropropene	7.829	75	140846	20.331	ug/l	100
37) Ethyl Acetate	6.982	43	56563	18.921	ug/l	97
38) Carbon Tetrachloride	7.811	117	150312	20.563	ug/l	99
39) Methylcyclohexane	9.103	83	182366	20.342	ug/l	99
40) Benzene	8.079	78	429271	20.154	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

Compound	R.T.	QIon	Response	Conc	Units		Dev(Min)
41) Methacrylonitrile	7.219	41	36099m	19.615	ug/l		
42) 1,2-Dichloroethane	8.152	62	118209	20.253	ug/l		99
43) Isopropyl Acetate	8.195	43	117125	18.851	ug/l		97
44) Trichloroethene	8.859	130	110197	20.606	ug/l		99
45) 1,2-Dichloropropane	9.140	63	99722	20.004	ug/l		97
46) Dibromomethane	9.225	93	54686	19.325	ug/l		96
47) Bromodichloromethane	9.420	83	145543	19.945	ug/l		100
48) Methyl methacrylate	9.219	41	57360	19.204	ug/l		95
49) 1,4-Dioxane	9.225	88	12854	384.463	ug/l		94
51) 4-Methyl-2-Pentanone	9.993	43	299993	95.014	ug/l		98
52) Toluene	10.170	92	268868	20.009	ug/l		99
53) t-1,3-Dichloropropene	10.390	75	126826	19.317	ug/l		100
54) cis-1,3-Dichloropropene	9.853	75	149508	19.639	ug/l		98
55) 1,1,2-Trichloroethane	10.566	97	72385	19.754	ug/l		99
56) Ethyl methacrylate	10.438	69	89037	18.060	ug/l		97
57) 1,3-Dichloropropane	10.713	76	125029	19.557	ug/l		100
58) 2-Chloroethyl Vinyl ether	9.707	63	230138	98.911	ug/l		99
59) 2-Hexanone	10.755	43	194180	90.459	ug/l		97
60) Dibromochloromethane	10.908	129	92711	19.588	ug/l		97
61) 1,2-Dibromoethane	11.011	107	65644	19.144	ug/l		96
64) Tetrachloroethene	10.646	164	131649	21.638	ug/l		97
65) Chlorobenzene	11.438	112	284096	20.076	ug/l		99
66) 1,1,1,2-Tetrachloroethane	11.511	131	92635	19.327	ug/l		99
67) Ethyl Benzene	11.517	91	499591	20.093	ug/l		99
68) m/p-Xylenes	11.627	106	379372	39.471	ug/l		99
69) o-Xylene	11.950	106	174833	19.305	ug/l		98
70) Styrene	11.962	104	293422	19.343	ug/l		99
71) Bromoform	12.127	173	50804	19.036	ug/l	#	98
73) Isopropylbenzene	12.249	105	460433	20.509	ug/l		99
74) N-amyl acetate	12.066	43	99500	19.745	ug/l		97
75) 1,1,2,2-Tetrachloroethane	12.499	83	67748	18.724	ug/l		99
76) 1,2,3-Trichloropropane	12.554	75	61464m	19.833	ug/l		
77) Bromobenzene	12.523	156	102341	20.111	ug/l		99
78) n-propylbenzene	12.590	91	563511	20.789	ug/l		99
79) 2-Chlorotoluene	12.676	91	313424	20.466	ug/l		100
80) 1,3,5-Trimethylbenzene	12.731	105	370540	20.445	ug/l		99
81) trans-1,4-Dichloro-2-b...	12.298	75	22608	18.430	ug/l		92
82) 4-Chlorotoluene	12.773	91	323940	20.138	ug/l		99
83) tert-Butylbenzene	12.993	119	325208	20.346	ug/l		99
84) 1,2,4-Trimethylbenzene	13.035	105	365641	20.151	ug/l		100
85) sec-Butylbenzene	13.169	105	494743	20.573	ug/l		99
86) p-Isopropyltoluene	13.285	119	404814	20.228	ug/l		100
87) 1,3-Dichlorobenzene	13.279	146	205201	20.078	ug/l		99
88) 1,4-Dichlorobenzene	13.365	146	199889	19.689	ug/l		98
89) n-Butylbenzene	13.615	91	383849	20.391	ug/l		99
90) Hexachloroethane	13.871	117	85343	21.411	ug/l		98
91) 1,2-Dichlorobenzene	13.651	146	178210	19.787	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	14.267	75	11713	19.089	ug/l		97
93) 1,2,4-Trichlorobenzene	14.913	180	101486	19.957	ug/l		97
94) Hexachlorobutadiene	15.017	225	59456	20.676	ug/l		97
95) Naphthalene	15.139	128	172250	18.731	ug/l		99
96) 1,2,3-Trichlorobenzene	15.322	180	85584	19.477	ug/l		97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025

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

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

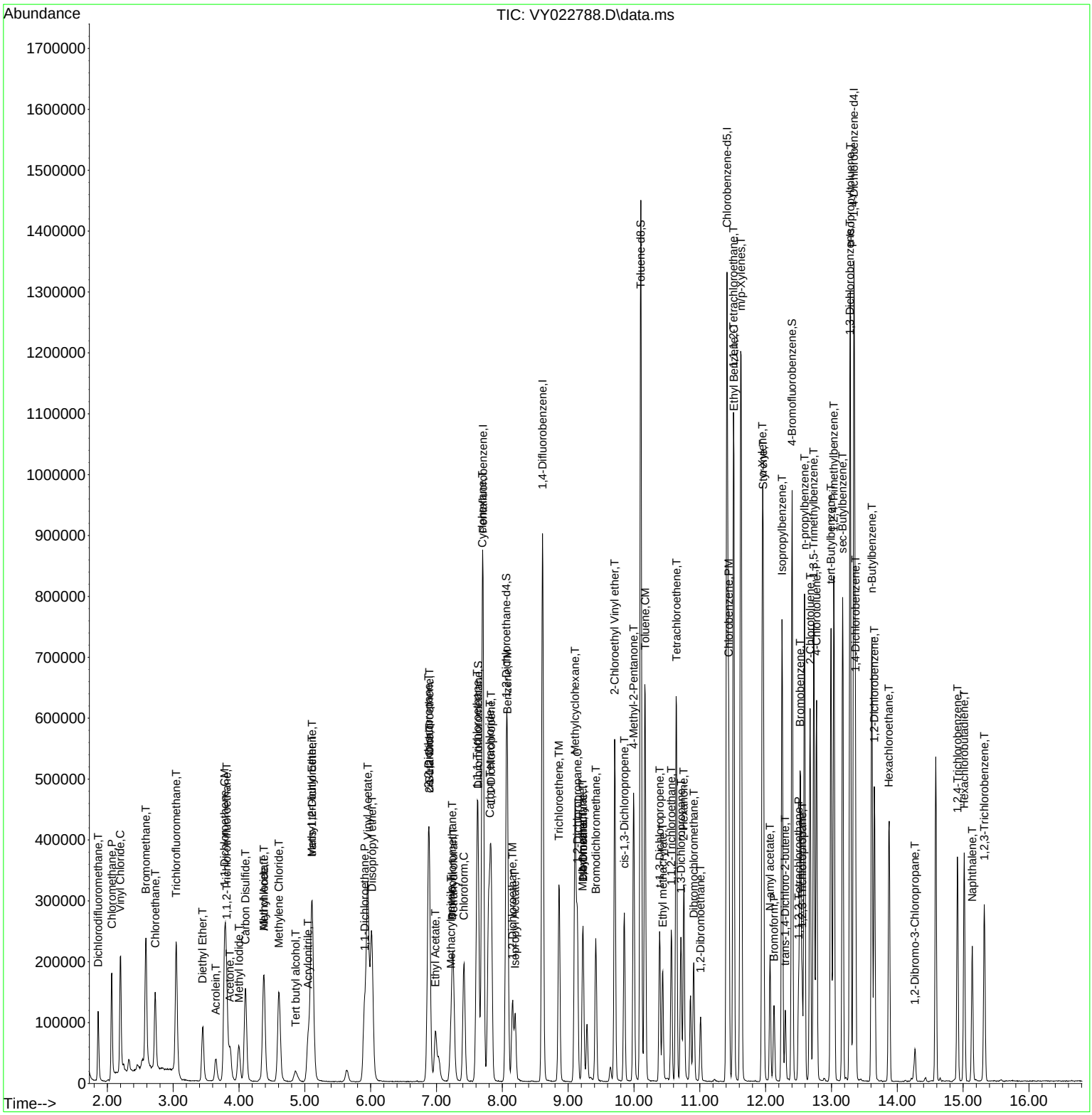
Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062425\
Data File : VY022788.D
Acq On : 24 Jun 2025 11:21
Operator : SY/MD
Sample : VY0624SBSD01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 25 01:22:11 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y062325S.M
Quant Title : SW846 8260
QLast Update : Tue Jun 24 08:29:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_Y
ClientSampleId :
VY0624SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/25/2025
Supervised By :Semsettin Yesilyurt 06/25/2025



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

Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VY022776.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC005	VY022776.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC010	VY022777.D	Methacrylonitrile	MMDadoda	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICC020	VY022778.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDICCC050	VY022779.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDICC100	VY022780.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDICC150	VY022781.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:53 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadoda	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

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

Manual Integration Report

Sequence:	vy062425	Instrument	MSVOA_y

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022785.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:01 PM	Sam	6/25/2025 12:35:13 PM	Peak Integrated by Software
VY0624SBS01	VY022787.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:02 PM	Sam	6/25/2025 12:35:15 PM	Peak Integrated by Software
VY0624SBSD01	VY022788.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VY0624SBSD01	VY022788.D	Methacrylonitrile	MMDadoda	6/25/2025 12:32:04 PM	Sam	6/25/2025 12:35:14 PM	Peak Integrated by Software
VSTDCCC050	VY022809.D	1,2,3-Trichloropropane	MMDadoda	6/25/2025 12:32:08 PM	Sam	6/25/2025 12:35:09 PM	Peak Integrated by Software

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM				
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VY022775.D	23 Jun 2025 10:17	SY/MD	Ok
2	VSTDICC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDICC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDICC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDICCC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDICC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDICC150	VY022781.D	23 Jun 2025 15:31	SY/MD	Ok,M
8	VIBLK	VY022782.D	23 Jun 2025 15:54	SY/MD	Ok
9	VSTDICV050	VY022783.D	23 Jun 2025 16:17	SY/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 # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM				
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
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	VY022784.D	24 Jun 2025 08:49	SY/MD	Ok
2	VSTDCCC050	VY022785.D	24 Jun 2025 09:20	SY/MD	Ok,M
3	VY0624SBL01	VY022786.D	24 Jun 2025 10:25	SY/MD	Ok
4	VY0624SBS01	VY022787.D	24 Jun 2025 10:58	SY/MD	Ok,M
5	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21	SY/MD	Ok,M
6	Q2386-01	VY022789.D	24 Jun 2025 11:58	SY/MD	ReRun
7	Q2383-01RE	VY022790.D	24 Jun 2025 12:22	SY/MD	Not Ok
8	Q2384-01RE	VY022791.D	24 Jun 2025 12:45	SY/MD	Confirms
9	Q2355-03	VY022792.D	24 Jun 2025 13:09	SY/MD	Not Ok
10	Q2363-01	VY022793.D	24 Jun 2025 13:32	SY/MD	Dilution
11	Q2392-02	VY022794.D	24 Jun 2025 13:55	SY/MD	Ok
12	Q2393-02	VY022795.D	24 Jun 2025 14:19	SY/MD	Ok
13	Q2393-04	VY022796.D	24 Jun 2025 14:42	SY/MD	Ok
14	Q2393-06	VY022797.D	24 Jun 2025 15:06	SY/MD	Ok
15	Q2393-08	VY022798.D	24 Jun 2025 15:29	SY/MD	Ok
16	Q2393-10	VY022799.D	24 Jun 2025 15:52	SY/MD	Ok
17	Q2393-12	VY022800.D	24 Jun 2025 16:16	SY/MD	Ok
18	Q2394-03	VY022801.D	24 Jun 2025 16:39	SY/MD	Ok
19	Q2399-03	VY022802.D	24 Jun 2025 17:03	SY/MD	Ok
20	Q2399-07	VY022803.D	24 Jun 2025 17:26	SY/MD	Ok
21	Q2403-03	VY022804.D	24 Jun 2025 17:50	SY/MD	ReRun

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM				
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM				
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m		

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

22	Q2403-07	VY022805.D	24 Jun 2025 18:13	SY/MD	Ok
23	Q2398-03	VY022806.D	24 Jun 2025 18:36	SY/MD	Ok
24	Q2398-06	VY022807.D	24 Jun 2025 19:00	SY/MD	Not Ok
25	VIBLK	VY022808.D	24 Jun 2025 19:23	SY/MD	Ok
26	VSTDCCC050	VY022809.D	24 Jun 2025 20:09	SY/MD	Ok,M

M : Manual Integration

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Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QCBatch ID # VY062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:26 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:29:32 AM		
SubDirectory	VY062325	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134461
Initial Calibration Stds	VP134462,VP134463,VP134464,VP134465,VP134466,VP134467
CCC	
Internal Standard/PEM	VP133934
ICV/I.BLK	VP134468
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	SampleId	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDICC005	VSTDICC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDICC010	VSTDICC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDICC020	VSTDICC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDICC100	VSTDICC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDICC150	VSTDICC150	VY022781.D	23 Jun 2025 15:31		SY/MD	Ok,M
8	VIBLK	VIBLK	VY022782.D	23 Jun 2025 15:54		SY/MD	Ok
9	VSTDICV050	ICVVY062325	VY022783.D	23 Jun 2025 16:17		SY/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 # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
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	VY022784.D	24 Jun 2025 08:49		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022785.D	24 Jun 2025 09:20		SY/MD	Ok,M
3	VY0624SBL01	VY0624SBL01	VY022786.D	24 Jun 2025 10:25		SY/MD	Ok
4	VY0624SBS01	VY0624SBS01	VY022787.D	24 Jun 2025 10:58		SY/MD	Ok,M
5	VY0624SBSD01	VY0624SBSD01	VY022788.D	24 Jun 2025 11:21		SY/MD	Ok,M
6	Q2386-01	SU-1-062025	VY022789.D	24 Jun 2025 11:58	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2383-01RE	RT-5376RE	VY022790.D	24 Jun 2025 12:22	vial-B Internal standard fail;Not match with first run	SY/MD	Not Ok
8	Q2384-01RE	OK-01-6202025RE	VY022791.D	24 Jun 2025 12:45	vial-B Internal Standard Fail	SY/MD	Confirms
9	Q2355-03	20071	VY022792.D	24 Jun 2025 13:09	vial-A not purge	SY/MD	Not Ok
10	Q2363-01	GCAP1	VY022793.D	24 Jun 2025 13:32	vial-A Surrogate fail ;Need MeOH	SY/MD	Dilution
11	Q2392-02	S-1A	VY022794.D	24 Jun 2025 13:55	vial-A	SY/MD	Ok
12	Q2393-02	PARK AVE -1	VY022795.D	24 Jun 2025 14:19	vial-A	SY/MD	Ok
13	Q2393-04	PARK AVE -2	VY022796.D	24 Jun 2025 14:42	vial-A	SY/MD	Ok
14	Q2393-06	PARK AVE -3	VY022797.D	24 Jun 2025 15:06	vial-A	SY/MD	Ok
15	Q2393-08	PARK AVE -4	VY022798.D	24 Jun 2025 15:29	vial-A	SY/MD	Ok
16	Q2393-10	PARK AVE -5	VY022799.D	24 Jun 2025 15:52	vial-A	SY/MD	Ok
17	Q2393-12	PARK AVE -6	VY022800.D	24 Jun 2025 16:16	vial-A	SY/MD	Ok

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 # VY062425

Review By	Mahesh Dadoda	Review On	6/25/2025 12:32:22 PM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/25/2025 12:35:55 PM		
SubDirectory	VY062425	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m

STD. NAME	STD REF.#
Tune/Reschk	VP134483
Initial Calibration Stds	
CCC	VP134483,VP134485
Internal Standard/PEM	VP133934
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

18	Q2394-03	MH-K/L VOC	VY022801.D	24 Jun 2025 16:39	vial-A	SY/MD	Ok
19	Q2399-03	TP-13-VOC	VY022802.D	24 Jun 2025 17:03	vial-A	SY/MD	Ok
20	Q2399-07	EP-7-VOC	VY022803.D	24 Jun 2025 17:26	vial-A	SY/MD	Ok
21	Q2403-03	LAW-25-0093	VY022804.D	24 Jun 2025 17:50	vial-A Internal Standard Fail	SY/MD	ReRun
22	Q2403-07	ARS 20-0006	VY022805.D	24 Jun 2025 18:13	vial-A	SY/MD	Ok
23	Q2398-03	M00-25-0179	VY022806.D	24 Jun 2025 18:36	vial-A	SY/MD	Ok
24	Q2398-06	ARS20-0036	VY022807.D	24 Jun 2025 19:00	vial-A Not purge	SY/MD	Not Ok
25	VIBLK	VIBLK	VY022808.D	24 Jun 2025 19:23		SY/MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VY022809.D	24 Jun 2025 20:09		SY/MD	Ok,M

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q2393	**OrderDate:**	6/23/2025 11:43:58 AM
Client:	Union Paving & Construction Company	**Project:**	190 Park Ave Hanover Twp NJ - PO 2556-001
Contact:	Gerard Busacco	**Location:**	A22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2393-02	**PARK AVE -1**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-04	**PARK AVE -2**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-06	**PARK AVE -3**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-08	**PARK AVE -4**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-10	**PARK AVE -5**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	
Q2393-12	**PARK AVE -6**	**SOIL**			**06/23/25**			**06/23/25**
			VOC-TCLVOA-10	8260D			06/24/25	