

Hit Summary Sheet
SW-846

SDG No.: Q2371
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	RPXY42025							
Q2371-04	RPXY42025	SOIL	Toluene	11600		1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Ethyl Benzene	449000	E	1100	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
Q2371-04	RPXY42025	SOIL	o-Xylene	370000	E	1300	8200	ug/Kg
Q2371-04	RPXY42025	SOIL	Isopropylbenzene	4500	J	1300	8200	ug/Kg
			Total Voc :	2240000				
			Total Concentration:	2240000				
Client ID:	RPXY42025DL							
Q2371-04DL	RPXY42025DL	SOIL	Ethyl Benzene	392000	D	27400	205000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
Q2371-04DL	RPXY42025DL	SOIL	o-Xylene	372000	D	33600	205000	ug/Kg
			Total Voc :	2190000				
			Total Concentration:	2190000				
Client ID:	BBX42025							
Q2371-05	BBX42025	SOIL	Toluene	38600		1200	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
Q2371-05	BBX42025	SOIL	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
Q2371-05	BBX42025	SOIL	o-Xylene	1050000	E	1300	7900	ug/Kg
Q2371-05	BBX42025	SOIL	Isopropylbenzene	9700		1200	7900	ug/Kg
			Total Voc :	6040000				
			Total Concentration:	6040000				
Client ID:	BBX42025DL							
Q2371-05DL	BBX42025DL	SOIL	Ethyl Benzene	993000	D	39500	295000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
Q2371-05DL	BBX42025DL	SOIL	o-Xylene	1020000	D	48300	295000	ug/Kg
			Total Voc :	5930000				
			Total Concentration:	5930000				
Client ID:	GBUFF1							
Q2371-06	GBUFF1	SOIL	Acetone	11.8	J	4.00	20.9	ug/Kg
Q2371-06	GBUFF1	SOIL	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
Q2371-06	GBUFF1	SOIL	o-Xylene	4.70		0.68	4.20	ug/Kg
Q2371-06	GBUFF1	SOIL	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
			Total Voc :	38.9				
			Total Concentration:	38.9				



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	RPXY42025		SDG No.:	Q2371	
Lab Sample ID:	Q2371-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.5	
Sample Wt/Vol:	6.82	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1900	U	1900	8200	ug/Kg
74-87-3	Chloromethane	1900	U	1900	8200	ug/Kg
75-01-4	Vinyl Chloride	1300	U	1300	8200	ug/Kg
74-83-9	Bromomethane	1800	U	1800	8200	ug/Kg
75-00-3	Chloroethane	2100	U	2100	8200	ug/Kg
75-69-4	Trichlorofluoromethane	2000	U	2000	8200	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	8200	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	8200	ug/Kg
67-64-1	Acetone	7800	U	7800	41000	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	8200	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1200	U	1200	8200	ug/Kg
79-20-9	Methyl Acetate	2500	U	2500	8200	ug/Kg
75-09-2	Methylene Chloride	5800	U	5800	16400	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	8200	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	8200	ug/Kg
110-82-7	Cyclohexane	1300	U	1300	8200	ug/Kg
78-93-3	2-Butanone	10700	U	10700	41000	ug/Kg
56-23-5	Carbon Tetrachloride	1600	U	1600	8200	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	8200	ug/Kg
74-97-5	Bromochloromethane	1900	U	1900	8200	ug/Kg
67-66-3	Chloroform	1400	U	1400	8200	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	8200	ug/Kg
108-87-2	Methylcyclohexane	1500	U	1500	8200	ug/Kg
71-43-2	Benzene	1300	U	1300	8200	ug/Kg
107-06-2	1,2-Dichloroethane	1300	U	1300	8200	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	8200	ug/Kg
78-87-5	1,2-Dichloropropane	1500	U	1500	8200	ug/Kg
75-27-4	Bromodichloromethane	1300	U	1300	8200	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5900	U	5900	41000	ug/Kg
108-88-3	Toluene	11600		1300	8200	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	RPXY42025		SDG No.:	Q2371	
Lab Sample ID:	Q2371-04		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.5	
Sample Wt/Vol:	6.82	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1100	U	1100	8200	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1000	U	1000	8200	ug/Kg
79-00-5	1,1,2-Trichloroethane	1500	U	1500	8200	ug/Kg
591-78-6	2-Hexanone	6000	U	6000	41000	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	8200	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	8200	ug/Kg
127-18-4	Tetrachloroethene	1700	U	1700	8200	ug/Kg
108-90-7	Chlorobenzene	1500	U	1500	8200	ug/Kg
100-41-4	Ethyl Benzene	449000	E	1100	8200	ug/Kg
179601-23-1	m/p-Xylenes	1410000	E	2000	16400	ug/Kg
95-47-6	o-Xylene	370000	E	1300	8200	ug/Kg
100-42-5	Styrene	1200	U	1200	8200	ug/Kg
75-25-2	Bromoform	1400	U	1400	8200	ug/Kg
98-82-8	Isopropylbenzene	4500	J	1300	8200	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	2000	U	2000	8200	ug/Kg
541-73-1	1,3-Dichlorobenzene	2800	U	2800	8200	ug/Kg
106-46-7	1,4-Dichlorobenzene	2600	U	2600	8200	ug/Kg
95-50-1	1,2-Dichlorobenzene	2400	U	2400	8200	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	3000	U	3000	8200	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4900	U	4900	8200	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5200	U	5200	8200	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.1		70 (63) - 130 (155)	96%	SPK: 50
1868-53-7	Dibromofluoromethane	48.3		70 (70) - 130 (134)	97%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.6		70 (17) - 130 (146)	93%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	167000	5.568			
540-36-3	1,4-Difluorobenzene	290000	6.769			
3114-55-4	Chlorobenzene-d5	268000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	122000	12.018			

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-04	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046819.D	40		06/23/25 14:50	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	46700	UD	46700	205000	ug/Kg
74-87-3	Chloromethane	46700	UD	46700	205000	ug/Kg
75-01-4	Vinyl Chloride	32400	UD	32400	205000	ug/Kg
74-83-9	Bromomethane	43800	UD	43800	205000	ug/Kg
75-00-3	Chloroethane	51600	UD	51600	205000	ug/Kg
75-69-4	Trichlorofluoromethane	49600	UD	49600	205000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	43400	UD	43400	205000	ug/Kg
75-35-4	1,1-Dichloroethene	41000	UD	41000	205000	ug/Kg
67-64-1	Acetone	194000	UD	194000	1020000	ug/Kg
75-15-0	Carbon Disulfide	43400	UD	43400	205000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	29900	UD	29900	205000	ug/Kg
79-20-9	Methyl Acetate	63100	UD	63100	205000	ug/Kg
75-09-2	Methylene Chloride	145000	UD	145000	410000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	35200	UD	35200	205000	ug/Kg
75-34-3	1,1-Dichloroethane	32800	UD	32800	205000	ug/Kg
110-82-7	Cyclohexane	32400	UD	32400	205000	ug/Kg
78-93-3	2-Butanone	268000	UD	268000	1020000	ug/Kg
56-23-5	Carbon Tetrachloride	39700	UD	39700	205000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	30700	UD	30700	205000	ug/Kg
74-97-5	Bromochloromethane	47100	UD	47100	205000	ug/Kg
67-66-3	Chloroform	34400	UD	34400	205000	ug/Kg
71-55-6	1,1,1-Trichloroethane	38100	UD	38100	205000	ug/Kg
108-87-2	Methylcyclohexane	37300	UD	37300	205000	ug/Kg
71-43-2	Benzene	32400	UD	32400	205000	ug/Kg
107-06-2	1,2-Dichloroethane	32400	UD	32400	205000	ug/Kg
79-01-6	Trichloroethene	33200	UD	33200	205000	ug/Kg
78-87-5	1,2-Dichloropropane	37300	UD	37300	205000	ug/Kg
75-27-4	Bromodichloromethane	31900	UD	31900	205000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	147000	UD	147000	1020000	ug/Kg
108-88-3	Toluene	31900	UD	31900	205000	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	RPXY42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-04DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	89.5
Sample Wt/Vol:	6.82 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	26600	UD	26600	205000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	25400	UD	25400	205000	ug/Kg
79-00-5	1,1,2-Trichloroethane	37700	UD	37700	205000	ug/Kg
591-78-6	2-Hexanone	151000	UD	151000	1020000	ug/Kg
124-48-1	Dibromochloromethane	35600	UD	35600	205000	ug/Kg
106-93-4	1,2-Dibromoethane	36000	UD	36000	205000	ug/Kg
127-18-4	Tetrachloroethene	43000	UD	43000	205000	ug/Kg
108-90-7	Chlorobenzene	37300	UD	37300	205000	ug/Kg
100-41-4	Ethyl Benzene	392000	D	27400	205000	ug/Kg
179601-23-1	m/p-Xylenes	1430000	D	50800	410000	ug/Kg
95-47-6	o-Xylene	372000	D	33600	205000	ug/Kg
100-42-5	Styrene	29100	UD	29100	205000	ug/Kg
75-25-2	Bromoform	35200	UD	35200	205000	ug/Kg
98-82-8	Isopropylbenzene	31900	UD	31900	205000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	49600	UD	49600	205000	ug/Kg
541-73-1	1,3-Dichlorobenzene	70000	UD	70000	205000	ug/Kg
106-46-7	1,4-Dichlorobenzene	63900	UD	63900	205000	ug/Kg
95-50-1	1,2-Dichlorobenzene	59400	UD	59400	205000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	75400	UD	75400	205000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	122000	UD	122000	205000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	130000	UD	130000	205000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.7		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	116000	5.562			
540-36-3	1,4-Difluorobenzene	201000	6.769			
3114-55-4	Chlorobenzene-d5	185000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	91600	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	RPXY42025DL		SDG No.:	Q2371	
Lab Sample ID:	Q2371-04DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	89.5	
Sample Wt/Vol:	6.82	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046824.D	1000		06/23/25 16:38	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

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() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800	U	1800	7900	ug/Kg
74-87-3	Chloromethane	1800	U	1800	7900	ug/Kg
75-01-4	Vinyl Chloride	1200	U	1200	7900	ug/Kg
74-83-9	Bromomethane	1700	U	1700	7900	ug/Kg
75-00-3	Chloroethane	2000	U	2000	7900	ug/Kg
75-69-4	Trichlorofluoromethane	1900	U	1900	7900	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1700	U	1700	7900	ug/Kg
75-35-4	1,1-Dichloroethene	1600	U	1600	7900	ug/Kg
67-64-1	Acetone	7400	U	7400	39300	ug/Kg
75-15-0	Carbon Disulfide	1700	U	1700	7900	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1100	U	1100	7900	ug/Kg
79-20-9	Methyl Acetate	2400	U	2400	7900	ug/Kg
75-09-2	Methylene Chloride	5500	U	5500	15700	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1400	U	1400	7900	ug/Kg
75-34-3	1,1-Dichloroethane	1300	U	1300	7900	ug/Kg
110-82-7	Cyclohexane	1200	U	1200	7900	ug/Kg
78-93-3	2-Butanone	10300	U	10300	39300	ug/Kg
56-23-5	Carbon Tetrachloride	1500	U	1500	7900	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1200	U	1200	7900	ug/Kg
74-97-5	Bromochloromethane	1800	U	1800	7900	ug/Kg
67-66-3	Chloroform	1300	U	1300	7900	ug/Kg
71-55-6	1,1,1-Trichloroethane	1500	U	1500	7900	ug/Kg
108-87-2	Methylcyclohexane	1400	U	1400	7900	ug/Kg
71-43-2	Benzene	1200	U	1200	7900	ug/Kg
107-06-2	1,2-Dichloroethane	1200	U	1200	7900	ug/Kg
79-01-6	Trichloroethene	1300	U	1300	7900	ug/Kg
78-87-5	1,2-Dichloropropane	1400	U	1400	7900	ug/Kg
75-27-4	Bromodichloromethane	1200	U	1200	7900	ug/Kg
108-10-1	4-Methyl-2-Pentanone	5600	U	5600	39300	ug/Kg
108-88-3	Toluene	38600		1200	7900	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025	SDG No.:	Q2371
Lab Sample ID:	Q2371-05	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1000	U	1000	7900	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	970	U	970	7900	ug/Kg
79-00-5	1,1,2-Trichloroethane	1400	U	1400	7900	ug/Kg
591-78-6	2-Hexanone	5800	U	5800	39300	ug/Kg
124-48-1	Dibromochloromethane	1400	U	1400	7900	ug/Kg
106-93-4	1,2-Dibromoethane	1400	U	1400	7900	ug/Kg
127-18-4	Tetrachloroethene	1600	U	1600	7900	ug/Kg
108-90-7	Chlorobenzene	1400	U	1400	7900	ug/Kg
100-41-4	Ethyl Benzene	1230000	E	1100	7900	ug/Kg
179601-23-1	m/p-Xylenes	3720000	E	1900	15700	ug/Kg
95-47-6	o-Xylene	1050000	E	1300	7900	ug/Kg
100-42-5	Styrene	1100	U	1100	7900	ug/Kg
75-25-2	Bromoform	1400	U	1400	7900	ug/Kg
98-82-8	Isopropylbenzene	9700		1200	7900	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1900	U	1900	7900	ug/Kg
541-73-1	1,3-Dichlorobenzene	2700	U	2700	7900	ug/Kg
106-46-7	1,4-Dichlorobenzene	2500	U	2500	7900	ug/Kg
95-50-1	1,2-Dichlorobenzene	2300	U	2300	7900	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	2900	U	2900	7900	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	4700	U	4700	7900	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	5000	U	5000	7900	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.2		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	47.9		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	40.2		70 (17) - 130 (146)	80%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	112000	5.568			
540-36-3	1,4-Difluorobenzene	195000	6.769			
3114-55-4	Chlorobenzene-d5	177000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	74000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	BBX42025		SDG No.:	Q2371	
Lab Sample ID:	Q2371-05		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.6	
Sample Wt/Vol:	7.35	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046818.D	40		06/23/25 14:28	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	BBX42025DL		SDG No.:	Q2371	
Lab Sample ID:	Q2371-05DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.6	
Sample Wt/Vol:	7.35	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	67200	UD	67200	295000	ug/Kg
74-87-3	Chloromethane	67200	UD	67200	295000	ug/Kg
75-01-4	Vinyl Chloride	46500	UD	46500	295000	ug/Kg
74-83-9	Bromomethane	63000	UD	63000	295000	ug/Kg
75-00-3	Chloroethane	74200	UD	74200	295000	ug/Kg
75-69-4	Trichlorofluoromethane	71300	UD	71300	295000	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	62400	UD	62400	295000	ug/Kg
75-35-4	1,1-Dichloroethene	58900	UD	58900	295000	ug/Kg
67-64-1	Acetone	279000	UD	279000	1470000	ug/Kg
75-15-0	Carbon Disulfide	62400	UD	62400	295000	ug/Kg
1634-04-4	Methyl tert-butyl Ether	43000	UD	43000	295000	ug/Kg
79-20-9	Methyl Acetate	90700	UD	90700	295000	ug/Kg
75-09-2	Methylene Chloride	208000	UD	208000	589000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	50700	UD	50700	295000	ug/Kg
75-34-3	1,1-Dichloroethane	47100	UD	47100	295000	ug/Kg
110-82-7	Cyclohexane	46500	UD	46500	295000	ug/Kg
78-93-3	2-Butanone	385000	UD	385000	1470000	ug/Kg
56-23-5	Carbon Tetrachloride	57100	UD	57100	295000	ug/Kg
156-59-2	cis-1,2-Dichloroethene	44200	UD	44200	295000	ug/Kg
74-97-5	Bromochloromethane	67800	UD	67800	295000	ug/Kg
67-66-3	Chloroform	49500	UD	49500	295000	ug/Kg
71-55-6	1,1,1-Trichloroethane	54800	UD	54800	295000	ug/Kg
108-87-2	Methylcyclohexane	53600	UD	53600	295000	ug/Kg
71-43-2	Benzene	46500	UD	46500	295000	ug/Kg
107-06-2	1,2-Dichloroethane	46500	UD	46500	295000	ug/Kg
79-01-6	Trichloroethene	47700	UD	47700	295000	ug/Kg
78-87-5	1,2-Dichloropropane	53600	UD	53600	295000	ug/Kg
75-27-4	Bromodichloromethane	46000	UD	46000	295000	ug/Kg
108-10-1	4-Methyl-2-Pentanone	211000	UD	211000	1470000	ug/Kg
108-88-3	Toluene	46000	UD	46000	295000	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	BBX42025DL	SDG No.:	Q2371
Lab Sample ID:	Q2371-05DL	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.6
Sample Wt/Vol:	7.35 Units: g	Final Vol:	5000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	38300	UD	38300	295000	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	36500	UD	36500	295000	ug/Kg
79-00-5	1,1,2-Trichloroethane	54200	UD	54200	295000	ug/Kg
591-78-6	2-Hexanone	217000	UD	217000	1470000	ug/Kg
124-48-1	Dibromochloromethane	51300	UD	51300	295000	ug/Kg
106-93-4	1,2-Dibromoethane	51800	UD	51800	295000	ug/Kg
127-18-4	Tetrachloroethene	61900	UD	61900	295000	ug/Kg
108-90-7	Chlorobenzene	53600	UD	53600	295000	ug/Kg
100-41-4	Ethyl Benzene	993000	D	39500	295000	ug/Kg
179601-23-1	m/p-Xylenes	3920000	D	73100	589000	ug/Kg
95-47-6	o-Xylene	1020000	D	48300	295000	ug/Kg
100-42-5	Styrene	41800	UD	41800	295000	ug/Kg
75-25-2	Bromoform	50700	UD	50700	295000	ug/Kg
98-82-8	Isopropylbenzene	46000	UD	46000	295000	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	71300	UD	71300	295000	ug/Kg
541-73-1	1,3-Dichlorobenzene	101000	UD	101000	295000	ug/Kg
106-46-7	1,4-Dichlorobenzene	91900	UD	91900	295000	ug/Kg
95-50-1	1,2-Dichlorobenzene	85400	UD	85400	295000	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	108000	UD	108000	295000	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	175000	UD	175000	295000	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	187000	UD	187000	295000	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.5		70 (63) - 130 (155)	97%	SPK: 50
1868-53-7	Dibromofluoromethane	48.2		70 (70) - 130 (134)	96%	SPK: 50
2037-26-5	Toluene-d8	50.4		70 (74) - 130 (123)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.6		70 (17) - 130 (146)	103%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	153000	5.562			
540-36-3	1,4-Difluorobenzene	268000	6.769			
3114-55-4	Chlorobenzene-d5	246000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	124000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	06/19/25	
Project:	Buff		Date Received:	06/19/25	
Client Sample ID:	BBX42025DL		SDG No.:	Q2371	
Lab Sample ID:	Q2371-05DL		Matrix:	SOIL	
Analytical Method:	8260D		% Solid:	86.6	
Sample Wt/Vol:	7.35	Units: g	Final Vol:	5000	uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10	
GC Column:	DB-624UI	ID : 0.18	Level :	MED	
Prep Method :					

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046825.D	1500		06/23/25 16:59	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 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
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	0.95	U	0.95	4.20	ug/Kg
74-87-3	Chloromethane	0.95	U	0.95	4.20	ug/Kg
75-01-4	Vinyl Chloride	0.66	U	0.66	4.20	ug/Kg
74-83-9	Bromomethane	0.89	U	0.89	4.20	ug/Kg
75-00-3	Chloroethane	1.10	U	1.10	4.20	ug/Kg
75-69-4	Trichlorofluoromethane	1.00	U	1.00	4.20	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	0.89	U	0.89	4.20	ug/Kg
75-35-4	1,1-Dichloroethene	0.84	U	0.84	4.20	ug/Kg
67-64-1	Acetone	11.8	J	4.00	20.9	ug/Kg
75-15-0	Carbon Disulfide	0.89	U	0.89	4.20	ug/Kg
1634-04-4	Methyl tert-butyl Ether	0.61	U	0.61	4.20	ug/Kg
79-20-9	Methyl Acetate	1.30	U	1.30	4.20	ug/Kg
75-09-2	Methylene Chloride	2.90	U	2.90	8.40	ug/Kg
156-60-5	trans-1,2-Dichloroethene	0.72	U	0.72	4.20	ug/Kg
75-34-3	1,1-Dichloroethane	0.67	U	0.67	4.20	ug/Kg
110-82-7	Cyclohexane	0.66	U	0.66	4.20	ug/Kg
78-93-3	2-Butanone	5.50	U	5.50	20.9	ug/Kg
56-23-5	Carbon Tetrachloride	0.81	U	0.81	4.20	ug/Kg
156-59-2	cis-1,2-Dichloroethene	0.63	U	0.63	4.20	ug/Kg
74-97-5	Bromochloromethane	0.96	U	0.96	4.20	ug/Kg
67-66-3	Chloroform	0.70	U	0.70	4.20	ug/Kg
71-55-6	1,1,1-Trichloroethane	0.78	U	0.78	4.20	ug/Kg
108-87-2	Methylcyclohexane	0.76	U	0.76	4.20	ug/Kg
71-43-2	Benzene	0.66	U	0.66	4.20	ug/Kg
107-06-2	1,2-Dichloroethane	0.66	U	0.66	4.20	ug/Kg
79-01-6	Trichloroethene	0.68	U	0.68	4.20	ug/Kg
78-87-5	1,2-Dichloropropane	0.76	U	0.76	4.20	ug/Kg
75-27-4	Bromodichloromethane	0.65	U	0.65	4.20	ug/Kg
108-10-1	4-Methyl-2-Pentanone	3.00	U	3.00	20.9	ug/Kg
108-88-3	Toluene	0.65	U	0.65	4.20	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 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
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	0.54	U	0.54	4.20	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	0.52	U	0.52	4.20	ug/Kg
79-00-5	1,1,2-Trichloroethane	0.77	U	0.77	4.20	ug/Kg
591-78-6	2-Hexanone	3.10	U	3.10	20.9	ug/Kg
124-48-1	Dibromochloromethane	0.73	U	0.73	4.20	ug/Kg
106-93-4	1,2-Dibromoethane	0.73	U	0.73	4.20	ug/Kg
127-18-4	Tetrachloroethene	0.88	U	0.88	4.20	ug/Kg
108-90-7	Chlorobenzene	0.76	U	0.76	4.20	ug/Kg
100-41-4	Ethyl Benzene	4.30		0.56	4.20	ug/Kg
179601-23-1	m/p-Xylenes	17.2		1.00	8.40	ug/Kg
95-47-6	o-Xylene	4.70		0.68	4.20	ug/Kg
100-42-5	Styrene	0.59	U	0.59	4.20	ug/Kg
75-25-2	Bromoform	0.72	U	0.72	4.20	ug/Kg
98-82-8	Isopropylbenzene	0.89	J	0.65	4.20	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	1.00	4.20	ug/Kg
541-73-1	1,3-Dichlorobenzene	1.40	U	1.40	4.20	ug/Kg
106-46-7	1,4-Dichlorobenzene	1.30	U	1.30	4.20	ug/Kg
95-50-1	1,2-Dichlorobenzene	1.20	U	1.20	4.20	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1.50	U	1.50	4.20	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	2.50	U	2.50	4.20	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	2.70	U	2.70	4.20	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.4		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.3		70 (74) - 130 (123)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.5		70 (17) - 130 (146)	109%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	300000	7.713			
540-36-3	1,4-Difluorobenzene	553000	8.616			
3114-55-4	Chlorobenzene-d5	529000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	237000	13.346			

Report of Analysis

Client:	G Environmental	Date Collected:	06/19/25
Project:	Buff	Date Received:	06/19/25
Client Sample ID:	GBUFF1	SDG No.:	Q2371
Lab Sample ID:	Q2371-06	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	86.9
Sample Wt/Vol:	6.89 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
VY022846.D	1		06/26/25 13:43	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

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J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q2371**

Client: **G Environmental**

Analytical Method: **SW8260D**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q2371-04	RPXY42025	1,2-Dichloroethane-d4	50	48.1	96		70 (63)	130 (155)
		Dibromofluoromethane	50	48.3	97		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	46.6	93		70 (17)	130 (146)
Q2371-04DL	RPXY42025DL	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.7	103		70 (17)	130 (146)
Q2371-05	BBX42025	1,2-Dichloroethane-d4	50	49.2	98		70 (63)	130 (155)
		Dibromofluoromethane	50	47.9	96		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	40.2	80		70 (17)	130 (146)
Q2371-05DL	BBX42025DL	1,2-Dichloroethane-d4	50	48.5	97		70 (63)	130 (155)
		Dibromofluoromethane	50	48.2	96		70 (70)	130 (134)
		Toluene-d8	50	50.4	101		70 (74)	130 (123)
		4-Bromofluorobenzene	50	51.6	103		70 (17)	130 (146)
Q2371-06	GBUFF1	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.4	99		70 (70)	130 (134)
		Toluene-d8	50	49.3	99		70 (74)	130 (123)
		4-Bromofluorobenzene	50	54.5	109		70 (17)	130 (146)
VX0623MBL01	VX0623MBL01	1,2-Dichloroethane-d4	50	48.9	98		70 (63)	130 (155)
		Dibromofluoromethane	50	49.5	99		70 (70)	130 (134)
		Toluene-d8	50	49.9	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.8	100		70 (17)	130 (146)
VX0623MBS01	VX0623MBS01	1,2-Dichloroethane-d4	50	45.7	91		70 (63)	130 (155)
		Dibromofluoromethane	50	49.1	98		70 (70)	130 (134)
		Toluene-d8	50	48.8	98		70 (74)	130 (123)
		4-Bromofluorobenzene	50	49.9	100		70 (17)	130 (146)
VY0626SBL01	VY0626SBL01	1,2-Dichloroethane-d4	50	49.9	100		70 (63)	130 (155)
		Dibromofluoromethane	50	50.3	101		70 (70)	130 (134)
		Toluene-d8	50	49.8	100		70 (74)	130 (123)
		4-Bromofluorobenzene	50	53.7	107		70 (17)	130 (146)
VY0626SBS01	VY0626SBS01	1,2-Dichloroethane-d4	50	51.8	104		70 (63)	130 (155)
		Dibromofluoromethane	50	50.4	101		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	50.0	100		70 (17)	130 (146)
VY0626SBSD01	VY0626SBSD01	1,2-Dichloroethane-d4	50	50.8	102		70 (63)	130 (155)
		Dibromofluoromethane	50	50.1	100		70 (70)	130 (134)
		Toluene-d8	50	51.0	102		70 (74)	130 (123)
		4-Bromofluorobenzene	50	48.4	97		70 (17)	130 (146)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	<u>Q2371</u>	SW-846	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :		<u>VX046807.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0623MBS01	Dichlorodifluoromethane	2000	1800	ug/Kg	90			40 (64)	160 (136)	
	Chloromethane	2000	1700	ug/Kg	85			40 (52)	160 (151)	
	Vinyl chloride	2000	1800	ug/Kg	90			70 (56)	130 (148)	
	Bromomethane	2000	1900	ug/Kg	95			40 (58)	160 (141)	
	Chloroethane	2000	1800	ug/Kg	90			40 (69)	160 (130)	
	Trichlorofluoromethane	2000	1700	ug/Kg	85			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	2000	1800	ug/Kg	90			70 (81)	130 (123)	
	1,1-Dichloroethene	2000	1800	ug/Kg	90			70 (79)	130 (121)	
	Acetone	10000	7400	ug/Kg	74			40 (40)	160 (171)	
	Carbon disulfide	2000	1600	ug/Kg	80			40 (59)	160 (130)	
	Methyl tert-butyl Ether	2000	1600	ug/Kg	80			70 (77)	130 (129)	
	Methyl Acetate	2000	1600	ug/Kg	80			70 (69)	130 (149)	
	Methylene Chloride	2000	1700	ug/Kg	85			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (80)	130 (123)	
	1,1-Dichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Cyclohexane	2000	1800	ug/Kg	90			70 (76)	130 (122)	
	2-Butanone	10000	7800	ug/Kg	78			40 (69)	160 (131)	
	Carbon Tetrachloride	2000	1800	ug/Kg	90			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	Bromochloromethane	2000	2000	ug/Kg	100			70 (80)	130 (127)	
	Chloroform	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	1,1,1-Trichloroethane	2000	1700	ug/Kg	85			70 (80)	130 (126)	
	Methylcyclohexane	2000	1800	ug/Kg	90			70 (77)	130 (123)	
	Benzene	2000	1800	ug/Kg	90			70 (84)	130 (121)	
	1,2-Dichloroethane	2000	1800	ug/Kg	90			70 (81)	130 (126)	
	Trichloroethene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	1,2-Dichloropropane	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	Bromodichloromethane	2000	1800	ug/Kg	90			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	10000	8400	ug/Kg	84			40 (70)	160 (135)	
	Toluene	2000	1800	ug/Kg	90			70 (83)	130 (122)	
	t-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	2000	1800	ug/Kg	90			70 (81)	130 (122)	
	1,1,2-Trichloroethane	2000	1800	ug/Kg	90			70 (82)	130 (125)	
	2-Hexanone	10000	8000	ug/Kg	80			40 (66)	160 (138)	
	Dibromochloromethane	2000	1800	ug/Kg	90			70 (79)	130 (125)	
	1,2-Dibromoethane	2000	1800	ug/Kg	90			70 (80)	130 (125)	
	Tetrachloroethene	2000	1800	ug/Kg	90			70 (83)	130 (125)	
	Chlorobenzene	2000	1800	ug/Kg	90			70 (84)	130 (122)	
	Ethyl Benzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	m/p-Xylenes	4000	3600	ug/Kg	90			70 (83)	130 (124)	
	o-Xylene	2000	1900	ug/Kg	95			70 (83)	130 (123)	
	Styrene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	Bromoform	2000	1800	ug/Kg	90			70 (75)	130 (127)	
	Isopropylbenzene	2000	1800	ug/Kg	90			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	2000	1700	ug/Kg	85			70 (77)	130 (127)	
	1,3-Dichlorobenzene	2000	1700	ug/Kg	85			70 (83)	130 (122)	
	1,4-Dichlorobenzene	2000	1700	ug/Kg	85			70 (84)	130 (121)	
	1,2-Dichlorobenzene	2000	1800	ug/Kg	90			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2371</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX046807.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX0623MBS01	1,2-Dibromo-3-Chloropropane	2000	1500	ug/Kg	75			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	2000	1700	ug/Kg	85			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	2000	1700	ug/Kg	85			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.:	Q2371	SW-846	Analytical Method:	SW8260D
Client:	G Environmental	Datafile :	VY022840.D	

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0626SBS01	Dichlorodifluoromethane	20	20.4	ug/Kg	102			40 (64)	160 (136)	
	Chloromethane	20	22.2	ug/Kg	111			40 (52)	160 (151)	
	Vinyl chloride	20	20.0	ug/Kg	100			70 (56)	130 (148)	
	Bromomethane	20	23.1	ug/Kg	116			40 (58)	160 (141)	
	Chloroethane	20	19.3	ug/Kg	97			40 (69)	160 (130)	
	Trichlorofluoromethane	20	19.0	ug/Kg	95			40 (69)	160 (134)	
	1,1,2-Trichlorotrifluoroethane	20	20.8	ug/Kg	104			70 (81)	130 (123)	
	1,1-Dichloroethene	20	20.5	ug/Kg	103			70 (79)	130 (121)	
	Acetone	100	150	ug/Kg	150			40 (40)	160 (171)	
	Carbon disulfide	20	20.4	ug/Kg	102			40 (59)	160 (130)	
	Methyl tert-butyl Ether	20	21.0	ug/Kg	105			70 (77)	130 (129)	
	Methyl Acetate	20	18.1	ug/Kg	91			70 (69)	130 (149)	
	Methylene Chloride	20	23.0	ug/Kg	115			70 (72)	130 (131)	
	trans-1,2-Dichloroethene	20	20.2	ug/Kg	101			70 (80)	130 (123)	
	1,1-Dichloroethane	20	20.6	ug/Kg	103			70 (82)	130 (123)	
	Cyclohexane	20	20.3	ug/Kg	102			70 (76)	130 (122)	
	2-Butanone	100	130	ug/Kg	130			40 (69)	160 (131)	
	Carbon Tetrachloride	20	19.8	ug/Kg	99			70 (76)	130 (129)	
	cis-1,2-Dichloroethene	20	20.3	ug/Kg	102			70 (82)	130 (123)	
	Bromochloromethane	20	20.7	ug/Kg	104			70 (80)	130 (127)	
	Chloroform	20	20.3	ug/Kg	102			70 (82)	130 (125)	
	1,1,1-Trichloroethane	20	20.3	ug/Kg	102			70 (80)	130 (126)	
	Methylcyclohexane	20	20.1	ug/Kg	101			70 (77)	130 (123)	
	Benzene	20	20.1	ug/Kg	101			70 (84)	130 (121)	
	1,2-Dichloroethane	20	20.1	ug/Kg	101			70 (81)	130 (126)	
	Trichloroethene	20	20.8	ug/Kg	104			70 (83)	130 (122)	
	1,2-Dichloropropane	20	20.1	ug/Kg	101			70 (83)	130 (122)	
	Bromodichloromethane	20	20.2	ug/Kg	101			70 (82)	130 (123)	
	4-Methyl-2-Pentanone	100	110	ug/Kg	110			40 (70)	160 (135)	
	Toluene	20	20.0	ug/Kg	100			70 (83)	130 (122)	
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100			70 (78)	130 (124)	
	cis-1,3-Dichloropropene	20	20.3	ug/Kg	102			70 (81)	130 (122)	
	1,1,2-Trichloroethane	20	20.2	ug/Kg	101			70 (82)	130 (125)	
	2-Hexanone	100	120	ug/Kg	120			40 (66)	160 (138)	
	Dibromochloromethane	20	20.0	ug/Kg	100			70 (79)	130 (125)	
	1,2-Dibromoethane	20	20.0	ug/Kg	100			70 (80)	130 (125)	
	Tetrachloroethene	20	20.8	ug/Kg	104			70 (83)	130 (125)	
	Chlorobenzene	20	19.9	ug/Kg	100			70 (84)	130 (122)	
	Ethyl Benzene	20	19.8	ug/Kg	99			70 (82)	130 (124)	
	m/p-Xylenes	40	39.9	ug/Kg	100			70 (83)	130 (124)	
	o-Xylene	20	19.8	ug/Kg	99			70 (83)	130 (123)	
	Styrene	20	19.7	ug/Kg	99			70 (82)	130 (124)	
	Bromoform	20	19.4	ug/Kg	97			70 (75)	130 (127)	
	Isopropylbenzene	20	20.5	ug/Kg	103			70 (82)	130 (124)	
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104			70 (77)	130 (127)	
	1,3-Dichlorobenzene	20	20.3	ug/Kg	102			70 (83)	130 (122)	
	1,4-Dichlorobenzene	20	20.0	ug/Kg	100			70 (84)	130 (121)	
	1,2-Dichlorobenzene	20	20.1	ug/Kg	101			70 (83)	130 (124)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2371</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022840.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0626SBS01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101			40 (66)	160 (134)	
	1,2,4-Trichlorobenzene	20	19.8	ug/Kg	99			70 (78)	130 (127)	
	1,2,3-Trichlorobenzene	20	19.5	ug/Kg	98			70 (70)	130 (137)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SDG No.: Q2371 Analytical Method: SW8260D
Client: G Environmental Datafile : VY022841.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0626SBSD01	Dichlorodifluoromethane	20	21.1	ug/Kg	106	4		40 (64)	160 (136)	30 (20)
	Chloromethane	20	18.7	ug/Kg	94	17		40 (52)	160 (151)	30 (20)
	Vinyl chloride	20	19.0	ug/Kg	95	5		70 (56)	130 (148)	30 (20)
	Bromomethane	20	20.8	ug/Kg	104	11		40 (58)	160 (141)	30 (20)
	Chloroethane	20	19.2	ug/Kg	96	1		40 (69)	160 (130)	30 (20)
	Trichlorofluoromethane	20	18.9	ug/Kg	95	0		40 (69)	160 (134)	30 (20)
	1,1,2-Trichlorotrifluoroethane	20	21.3	ug/Kg	106	2		70 (81)	130 (123)	30 (20)
	1,1-Dichloroethene	20	20.5	ug/Kg	103	0		70 (79)	130 (121)	30 (20)
	Acetone	100	120	ug/Kg	120	22		40 (40)	160 (171)	30 (20)
	Carbon disulfide	20	20.4	ug/Kg	102	0		40 (59)	160 (130)	30 (20)
	Methyl tert-butyl Ether	20	20.2	ug/Kg	101	4		70 (77)	130 (129)	30 (20)
	Methyl Acetate	20	17.0	ug/Kg	85	7		70 (69)	130 (149)	30 (20)
	Methylene Chloride	20	19.5	ug/Kg	98	16		70 (72)	130 (131)	30 (20)
	trans-1,2-Dichloroethene	20	20.0	ug/Kg	100	1		70 (80)	130 (123)	30 (20)
	1,1-Dichloroethane	20	20.4	ug/Kg	102	1		70 (82)	130 (123)	30 (20)
	Cyclohexane	20	20.6	ug/Kg	103	1		70 (76)	130 (122)	30 (20)
	2-Butanone	100	110	ug/Kg	110	17		40 (69)	160 (131)	30 (20)
	Carbon Tetrachloride	20	20.1	ug/Kg	101	2		70 (76)	130 (129)	30 (20)
	cis-1,2-Dichloroethene	20	20.0	ug/Kg	100	2		70 (82)	130 (123)	30 (20)
	Bromochloromethane	20	20.3	ug/Kg	102	2		70 (80)	130 (127)	30 (20)
	Chloroform	20	20.1	ug/Kg	101	1		70 (82)	130 (125)	30 (20)
	1,1,1-Trichloroethane	20	20.4	ug/Kg	102	0		70 (80)	130 (126)	30 (20)
	Methylcyclohexane	20	20.6	ug/Kg	103	2		70 (77)	130 (123)	30 (20)
	Benzene	20	20.6	ug/Kg	103	2		70 (84)	130 (121)	30 (20)
	1,2-Dichloroethane	20	20.5	ug/Kg	103	2		70 (81)	130 (126)	30 (20)
	Trichloroethene	20	20.4	ug/Kg	102	2		70 (83)	130 (122)	30 (20)
	1,2-Dichloropropane	20	20.1	ug/Kg	101	0		70 (83)	130 (122)	30 (20)
	Bromodichloromethane	20	20.2	ug/Kg	101	0		70 (82)	130 (123)	30 (20)
	4-Methyl-2-Pentanone	100	100	ug/Kg	100	10		40 (70)	160 (135)	30 (20)
	Toluene	20	20.1	ug/Kg	101	1		70 (83)	130 (122)	30 (20)
	t-1,3-Dichloropropene	20	20.0	ug/Kg	100	0		70 (78)	130 (124)	30 (20)
	cis-1,3-Dichloropropene	20	20.1	ug/Kg	101	1		70 (81)	130 (122)	30 (20)
	1,1,2-Trichloroethane	20	20.1	ug/Kg	101	0		70 (82)	130 (125)	30 (20)
	2-Hexanone	100	100	ug/Kg	100	18		40 (66)	160 (138)	30 (20)
	Dibromochloromethane	20	19.9	ug/Kg	100	0		70 (79)	130 (125)	30 (20)
	1,2-Dibromoethane	20	19.7	ug/Kg	99	1		70 (80)	130 (125)	30 (20)
	Tetrachloroethene	20	20.7	ug/Kg	104	0		70 (83)	130 (125)	30 (20)
	Chlorobenzene	20	20.2	ug/Kg	101	1		70 (84)	130 (122)	30 (20)
	Ethyl Benzene	20	20.2	ug/Kg	101	2		70 (82)	130 (124)	30 (20)
	m/p-Xylenes	40	39.9	ug/Kg	100	0		70 (83)	130 (124)	30 (20)
	o-Xylene	20	19.8	ug/Kg	99	0		70 (83)	130 (123)	30 (20)
	Styrene	20	19.8	ug/Kg	99	0		70 (82)	130 (124)	30 (20)
	Bromoform	20	18.7	ug/Kg	94	3		70 (75)	130 (127)	30 (20)
	Isopropylbenzene	20	21.2	ug/Kg	106	3		70 (82)	130 (124)	30 (20)
	1,1,2,2-Tetrachloroethane	20	20.7	ug/Kg	104	0		70 (77)	130 (127)	30 (20)
	1,3-Dichlorobenzene	20	20.7	ug/Kg	104	2		70 (83)	130 (122)	30 (20)
	1,4-Dichlorobenzene	20	20.1	ug/Kg	101	1		70 (84)	130 (121)	30 (20)
	1,2-Dichlorobenzene	20	20.0	ug/Kg	100	1		70 (83)	130 (124)	30 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q2371</u>	Analytical Method:	<u>SW8260D</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VY022841.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VY0626SBSD01	1,2-Dibromo-3-Chloropropane	20	20.2	ug/Kg	101	0		40 (66)	160 (134)	30 (20)
	1,2,4-Trichlorobenzene	20	19.3	ug/Kg	97	2		70 (78)	130 (127)	30 (20)
	1,2,3-Trichlorobenzene	20	18.7	ug/Kg	94	4		70 (70)	130 (137)	30 (20)

VOLATILE METHOD BLANK SUMMARY

Client ID

VX0623MBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2371

Lab File ID: VX046805.D

Lab Sample ID: VX0623MBL01

Date Analyzed: 06/23/2025

Time Analyzed: 09:31

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025
BBX42025	Q2371-05	VX046818.D	06/23/2025
RPXY42025	Q2371-04	VX046819.D	06/23/2025
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VY0626SBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q2371

Lab File ID: VY022839.D

Lab Sample ID: VY0626SBL01

Date Analyzed: 06/26/2025

Time Analyzed: 10:39

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

Heated Purge: (Y/N) Y

Instrument ID: MSVOA_Y

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025
GBUFF1	Q2371-06	VY022846.D	06/26/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VX046715.D BFB Injection Date: 06/17/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:46
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	18.7
75	30.0 - 60.0% of mass 95	50.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.5
173	Less than 2.0% of mass 174	0.5 (0.7) 1
174	50.0 - 100.0% of mass 95	74.8
175	5.0 - 9.0% of mass 174	5.5 (7.4) 1
176	95.0 - 101.0% of mass 174	72 (96.2) 1
177	5.0 - 9.0% of mass 176	4.3 (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
VSTDIC005	VSTDIC005	VX046718.D	06/17/2025	11:19
VSTDIC020	VSTDIC020	VX046719.D	06/17/2025	13:59
VSTDIC050	VSTDIC050	VX046720.D	06/17/2025	14:20
VSTDIC100	VSTDIC100	VX046721.D	06/17/2025	14:41
VSTDIC150	VSTDIC150	VX046722.D	06/17/2025	15:02
VSTDIC001	VSTDIC001	VX046725.D	06/17/2025	17:18

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VX046803.D BFB Injection Date: 06/23/2025
Instrument ID: MSVOA_X BFB Injection Time: 08:05
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	17.8
75	30.0 - 60.0% of mass 95	49.2
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.1
173	Less than 2.0% of mass 174	0.8 (1.1) 1
174	50.0 - 100.0% of mass 95	76.4
175	5.0 - 9.0% of mass 174	6 (7.8) 1
176	95.0 - 101.0% of mass 174	73.2 (95.8) 1
177	5.0 - 9.0% of mass 176	5 (6.8) 2

1-Value is % mass 174

2-Value is % mass 176

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VX046804.D	06/23/2025	09:03
VX0623MBL01	VX0623MBL01	VX046805.D	06/23/2025	09:31
VX0623MBS01	VX0623MBS01	VX046807.D	06/23/2025	10:13
BBX42025	Q2371-05	VX046818.D	06/23/2025	14:28
RPXY42025	Q2371-04	VX046819.D	06/23/2025	14:50
RPXY42025DL	Q2371-04DL	VX046824.D	06/23/2025	16:38
BBX42025DL	Q2371-05DL	VX046825.D	06/23/2025	16:59

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
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
VSTDIC005	VSTDIC005	VY022776.D	06/23/2025	13:38
VSTDIC010	VSTDIC010	VY022777.D	06/23/2025	14:00
VSTDIC020	VSTDIC020	VY022778.D	06/23/2025	14:23
VSTDIC050	VSTDIC050	VY022779.D	06/23/2025	14:46
VSTDIC100	VSTDIC100	VY022780.D	06/23/2025	15:08
VSTDIC150	VSTDIC150	VY022781.D	06/23/2025	15:31

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VY022837.D BFB Injection Date: 06/26/2025
Instrument ID: MSVOA_Y BFB Injection Time: 08:22
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	22.5
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.6
173	Less than 2.0% of mass 174	0.9 (1.1) 1
174	50.0 - 100.0% of mass 95	86.1
175	5.0 - 9.0% of mass 174	6.1 (7.1) 1
176	95.0 - 101.0% of mass 174	82.8 (96.2) 1
177	5.0 - 9.0% of mass 176	5.5 (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	VY022838.D	06/26/2025	10:07
VY0626SBL01	VY0626SBL01	VY022839.D	06/26/2025	10:39
VY0626SBS01	VY0626SBS01	VY022840.D	06/26/2025	11:09
VY0626SBSD01	VY0626SBSD01	VY022841.D	06/26/2025	11:32
GBUFF1	Q2371-06	VY022846.D	06/26/2025	13:43

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VX046804.D Date Analyzed: 06/23/2025
Instrument ID: MSVOA_X Time Analyzed: 09:03
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	146834	5.55	235057	6.76	202524	10.05
UPPER LIMIT	293668	6.05	470114	7.263	405048	10.549
LOWER LIMIT	73417	5.05	117529	6.263	101262	9.549
EPA SAMPLE NO.						
RPXY42025	167072	5.57	289861	6.77	268205	10.06
RPXY42025DL	116345	5.56	201396	6.77	184795	10.06
BBX42025	111553	5.57	195304	6.77	177101	10.06
BBX42025DL	152903	5.56	268363	6.77	246351	10.06
VX0623MBL01	114433	5.56	198594	6.76	177448	10.05
VX0623MBS01	140099	5.56	228017	6.77	204798	10.06

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VX046804.D Date Analyzed: 06/23/2025
Instrument ID: MSVOA_X Time Analyzed: 09:03
GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	98257	12.018				
UPPER LIMIT	196514	12.518				
LOWER LIMIT	49128.5	11.518				
EPA SAMPLE NO.						
RPXY42025	122450	12.02				
RPXY42025DL	91592	12.02				
BBX42025	74038	12.02				
BBX42025DL	124245	12.02				
VX0623MBL01	86635	12.02				
VX0623MBS01	106315	12.02				

IS4 = 1,4-Dichlorobenzene-d4

AREA UPPER LIMIT = +100% of internal standard area

AREA LOWER LIMIT = -50% of internal standard area

RT UPPER LIMIT = +0.50 minutes of internal standard RT

RT LOWER LIMIT = -0.50 minutes of internal standard RT

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

* Values outside of QC limits.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
Lab File ID: VY022838.D Date Analyzed: 06/26/2025
Instrument ID: MSVOA_Y Time Analyzed: 10:07
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	469939	7.71	769006	8.62	661912	11.41
UPPER LIMIT	939878	8.207	1538010	9.116	1323820	11.914
LOWER LIMIT	234970	7.207	384503	8.116	330956	10.914
EPA SAMPLE NO.						
GBUFF1	299952	7.71	553421	8.62	528624	11.41
VY0626SBL01	328943	7.71	604959	8.62	571725	11.41
VY0626SBS01	434636	7.71	740035	8.62	637859	11.42
VY0626SBSD01	431722	7.71	725692	8.62	622886	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.

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: CHEMTECH Contract: GENV01
 Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG NO.: Q2371
 Lab File ID: VY022838.D Date Analyzed: 06/26/2025
 Instrument ID: MSVOA_Y Time Analyzed: 10:07
 GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) Y

	IS4 AREA #	RT #				
12 HOUR STD	328091	13.347				
UPPER LIMIT	656182	13.847				
LOWER LIMIT	164046	12.847				
EPA SAMPLE NO.						
GBUFF1	237063	13.35				
VY0626SBL01	249132	13.35				
VY0626SBS01	302470	13.35				
VY0626SBSD01	291493	13.35				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBL01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	65.0	U	65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	62.0	U	62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	92.0	U	92.0	500	ug/Kg
591-78-6	2-Hexanone	370	U	370	2500	ug/Kg
124-48-1	Dibromochloromethane	87.0	U	87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	88.0	U	88.0	500	ug/Kg
127-18-4	Tetrachloroethene	110	U	110	500	ug/Kg
108-90-7	Chlorobenzene	91.0	U	91.0	500	ug/Kg
100-41-4	Ethyl Benzene	67.0	U	67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	120	U	120	1000	ug/Kg
95-47-6	o-Xylene	82.0	U	82.0	500	ug/Kg
100-42-5	Styrene	71.0	U	71.0	500	ug/Kg
75-25-2	Bromoform	86.0	U	86.0	500	ug/Kg
98-82-8	Isopropylbenzene	78.0	U	78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	120	U	120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	170	U	170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	160	U	160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	150	U	150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	180	U	180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	300	U	300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	320	U	320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	48.9		70 (63) - 130 (155)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	49.5		70 (70) - 130 (134)	99%	SPK: 50
2037-26-5	Toluene-d8	49.9		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	114000	5.556			
540-36-3	1,4-Difluorobenzene	199000	6.763			
3114-55-4	Chlorobenzene-d5	177000	10.049			
3855-82-1	1,4-Dichlorobenzene-d4	86600	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VX0623MBL01		SDG No.:	Q2371
Lab Sample ID:	VX0623MBL01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046805.D	1		06/23/25 09:31	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	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
VY022839.D	1		06/26/25 10:39	VY062625

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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBL01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022839.D	1		06/26/25 10:39	VY062625

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	49.9		70 (63) - 130 (155)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	49.8		70 (74) - 130 (123)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7		70 (17) - 130 (146)	107%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	329000	7.713			
540-36-3	1,4-Difluorobenzene	605000	8.616			
3114-55-4	Chlorobenzene-d5	572000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	249000	13.347			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VY0626SBL01		SDG No.:	Q2371
Lab Sample ID:	VY0626SBL01		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
VY022839.D	1		06/26/25 10:39	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	1800		110	500	ug/Kg
74-87-3	Chloromethane	1700		110	500	ug/Kg
75-01-4	Vinyl Chloride	1800		79.0	500	ug/Kg
74-83-9	Bromomethane	1900		110	500	ug/Kg
75-00-3	Chloroethane	1800		130	500	ug/Kg
75-69-4	Trichlorofluoromethane	1700		120	500	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	1800		110	500	ug/Kg
75-35-4	1,1-Dichloroethene	1800		100	500	ug/Kg
67-64-1	Acetone	7400		470	2500	ug/Kg
75-15-0	Carbon Disulfide	1600		110	500	ug/Kg
1634-04-4	Methyl tert-butyl Ether	1600		73.0	500	ug/Kg
79-20-9	Methyl Acetate	1600		150	500	ug/Kg
75-09-2	Methylene Chloride	1700		350	1000	ug/Kg
156-60-5	trans-1,2-Dichloroethene	1800		86.0	500	ug/Kg
75-34-3	1,1-Dichloroethane	1800		80.0	500	ug/Kg
110-82-7	Cyclohexane	1800		79.0	500	ug/Kg
78-93-3	2-Butanone	7800		650	2500	ug/Kg
56-23-5	Carbon Tetrachloride	1800		97.0	500	ug/Kg
156-59-2	cis-1,2-Dichloroethene	1800		75.0	500	ug/Kg
74-97-5	Bromochloromethane	2000		120	500	ug/Kg
67-66-3	Chloroform	1800		84.0	500	ug/Kg
71-55-6	1,1,1-Trichloroethane	1700		93.0	500	ug/Kg
108-87-2	Methylcyclohexane	1800		91.0	500	ug/Kg
71-43-2	Benzene	1800		79.0	500	ug/Kg
107-06-2	1,2-Dichloroethane	1800		79.0	500	ug/Kg
79-01-6	Trichloroethene	1800		81.0	500	ug/Kg
78-87-5	1,2-Dichloropropane	1800		91.0	500	ug/Kg
75-27-4	Bromodichloromethane	1800		78.0	500	ug/Kg
108-10-1	4-Methyl-2-Pentanone	8400		360	2500	ug/Kg
108-88-3	Toluene	1800		78.0	500	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VX0623MBS01	SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5 Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100 uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI ID : 0.18	Level :	MED
Prep Method :			

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	1800		65.0	500	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	1800		62.0	500	ug/Kg
79-00-5	1,1,2-Trichloroethane	1800		92.0	500	ug/Kg
591-78-6	2-Hexanone	8000		370	2500	ug/Kg
124-48-1	Dibromochloromethane	1800		87.0	500	ug/Kg
106-93-4	1,2-Dibromoethane	1800		88.0	500	ug/Kg
127-18-4	Tetrachloroethene	1800		110	500	ug/Kg
108-90-7	Chlorobenzene	1800		91.0	500	ug/Kg
100-41-4	Ethyl Benzene	1800		67.0	500	ug/Kg
179601-23-1	m/p-Xylenes	3600		120	1000	ug/Kg
95-47-6	o-Xylene	1900		82.0	500	ug/Kg
100-42-5	Styrene	1800		71.0	500	ug/Kg
75-25-2	Bromoform	1800		86.0	500	ug/Kg
98-82-8	Isopropylbenzene	1800		78.0	500	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	1700		120	500	ug/Kg
541-73-1	1,3-Dichlorobenzene	1700		170	500	ug/Kg
106-46-7	1,4-Dichlorobenzene	1700		160	500	ug/Kg
95-50-1	1,2-Dichlorobenzene	1800		150	500	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	1500		180	500	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	1700		300	500	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	1700		320	500	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.7		70 (63) - 130 (155)	91%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		70 (70) - 130 (134)	98%	SPK: 50
2037-26-5	Toluene-d8	48.8		70 (74) - 130 (123)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.8		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	140000	5.562			
540-36-3	1,4-Difluorobenzene	228000	6.769			
3114-55-4	Chlorobenzene-d5	205000	10.055			
3855-82-1	1,4-Dichlorobenzene-d4	106000	12.018			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VX0623MBS01		SDG No.:	Q2371
Lab Sample ID:	VX0623MBS01		Matrix:	SOIL
Analytical Method:	8260D		% Solid:	100
Sample Wt/Vol:	5	Units: g	Final Vol:	10000 uL
Soil Aliquot Vol:	100	uL	Test:	VOC-TCLVOA-10
GC Column:	DB-624UI	ID : 0.18	Level :	MED
Prep Method :				

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VX046807.D	1		06/23/25 10:13	VX062325

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	Matrix:	SOIL
Analytical Method:	8260D	% Solid:	100
Sample Wt/Vol:	5	Units:	g
Soil Aliquot Vol:			uL
GC Column:	RXI-624	ID :	0.25
Prep Method :		Level :	LOW

File ID/Qc Batch:	Dilution:	Prep Date	Date Analyzed	Prep Batch ID
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	20.4		1.10	5.00	ug/Kg
74-87-3	Chloromethane	22.2		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	20.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	23.1		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.3		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	19.0		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	20.8		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	150		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	21.0		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	18.1		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	23.0		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	20.6		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.3		0.79	5.00	ug/Kg
78-93-3	2-Butanone	130		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	19.8		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.3		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.7		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.3		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.3		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	20.8		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	110		3.60	25.0	ug/Kg
108-88-3	Toluene	20.0		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental	Date Collected:	
Project:	Buff	Date Received:	
Client Sample ID:	VY0626SBS01	SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01	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
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.3		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.2		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	120		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	20.0		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	20.0		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.8		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	19.9		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	19.8		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.7		0.71	5.00	ug/Kg
75-25-2	Bromoform	19.4		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	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.3		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.0		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.1		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.8		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	19.5		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	51.8		70 (63) - 130 (155)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	50.4		70 (70) - 130 (134)	101%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	50.0		70 (17) - 130 (146)	100%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	435000	7.713			
540-36-3	1,4-Difluorobenzene	740000	8.616			
3114-55-4	Chlorobenzene-d5	638000	11.42			
3855-82-1	1,4-Dichlorobenzene-d4	302000	13.346			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VY0626SBS01		SDG No.:	Q2371
Lab Sample ID:	VY0626SBS01		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
VY022840.D	1		06/26/25 11:09	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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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

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
TARGETS						
75-71-8	Dichlorodifluoromethane	21.1		1.10	5.00	ug/Kg
74-87-3	Chloromethane	18.7		1.10	5.00	ug/Kg
75-01-4	Vinyl Chloride	19.0		0.79	5.00	ug/Kg
74-83-9	Bromomethane	20.8		1.10	5.00	ug/Kg
75-00-3	Chloroethane	19.2		1.30	5.00	ug/Kg
75-69-4	Trichlorofluoromethane	18.9		1.20	5.00	ug/Kg
76-13-1	1,1,2-Trichlorotrifluoroethane	21.3		1.10	5.00	ug/Kg
75-35-4	1,1-Dichloroethene	20.5		1.00	5.00	ug/Kg
67-64-1	Acetone	120		4.70	25.0	ug/Kg
75-15-0	Carbon Disulfide	20.4		1.10	5.00	ug/Kg
1634-04-4	Methyl tert-butyl Ether	20.2		0.73	5.00	ug/Kg
79-20-9	Methyl Acetate	17.0		1.50	5.00	ug/Kg
75-09-2	Methylene Chloride	19.5		3.50	10.0	ug/Kg
156-60-5	trans-1,2-Dichloroethene	20.0		0.86	5.00	ug/Kg
75-34-3	1,1-Dichloroethane	20.4		0.80	5.00	ug/Kg
110-82-7	Cyclohexane	20.6		0.79	5.00	ug/Kg
78-93-3	2-Butanone	110		6.50	25.0	ug/Kg
56-23-5	Carbon Tetrachloride	20.1		0.97	5.00	ug/Kg
156-59-2	cis-1,2-Dichloroethene	20.0		0.75	5.00	ug/Kg
74-97-5	Bromochloromethane	20.3		1.20	5.00	ug/Kg
67-66-3	Chloroform	20.1		0.84	5.00	ug/Kg
71-55-6	1,1,1-Trichloroethane	20.4		0.93	5.00	ug/Kg
108-87-2	Methylcyclohexane	20.6		0.91	5.00	ug/Kg
71-43-2	Benzene	20.6		0.79	5.00	ug/Kg
107-06-2	1,2-Dichloroethane	20.5		0.79	5.00	ug/Kg
79-01-6	Trichloroethene	20.4		0.81	5.00	ug/Kg
78-87-5	1,2-Dichloropropane	20.1		0.91	5.00	ug/Kg
75-27-4	Bromodichloromethane	20.2		0.78	5.00	ug/Kg
108-10-1	4-Methyl-2-Pentanone	100		3.60	25.0	ug/Kg
108-88-3	Toluene	20.1		0.78	5.00	ug/Kg

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VY0626SBSD01		SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01		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
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units(Dry Weight)
10061-02-6	t-1,3-Dichloropropene	20.0		0.65	5.00	ug/Kg
10061-01-5	cis-1,3-Dichloropropene	20.1		0.62	5.00	ug/Kg
79-00-5	1,1,2-Trichloroethane	20.1		0.92	5.00	ug/Kg
591-78-6	2-Hexanone	100		3.70	25.0	ug/Kg
124-48-1	Dibromochloromethane	19.9		0.87	5.00	ug/Kg
106-93-4	1,2-Dibromoethane	19.7		0.88	5.00	ug/Kg
127-18-4	Tetrachloroethene	20.7		1.10	5.00	ug/Kg
108-90-7	Chlorobenzene	20.2		0.91	5.00	ug/Kg
100-41-4	Ethyl Benzene	20.2		0.67	5.00	ug/Kg
179601-23-1	m/p-Xylenes	39.9		1.20	10.0	ug/Kg
95-47-6	o-Xylene	19.8		0.82	5.00	ug/Kg
100-42-5	Styrene	19.8		0.71	5.00	ug/Kg
75-25-2	Bromoform	18.7		0.86	5.00	ug/Kg
98-82-8	Isopropylbenzene	21.2		0.78	5.00	ug/Kg
79-34-5	1,1,2,2-Tetrachloroethane	20.7		1.20	5.00	ug/Kg
541-73-1	1,3-Dichlorobenzene	20.7		1.70	5.00	ug/Kg
106-46-7	1,4-Dichlorobenzene	20.1		1.60	5.00	ug/Kg
95-50-1	1,2-Dichlorobenzene	20.0		1.50	5.00	ug/Kg
96-12-8	1,2-Dibromo-3-Chloropropane	20.2		1.80	5.00	ug/Kg
120-82-1	1,2,4-Trichlorobenzene	19.3		3.00	5.00	ug/Kg
87-61-6	1,2,3-Trichlorobenzene	18.7		3.20	5.00	ug/Kg
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		70 (63) - 130 (155)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		70 (70) - 130 (134)	100%	SPK: 50
2037-26-5	Toluene-d8	51.0		70 (74) - 130 (123)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.4		70 (17) - 130 (146)	97%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	432000	7.707			
540-36-3	1,4-Difluorobenzene	726000	8.616			
3114-55-4	Chlorobenzene-d5	623000	11.414			
3855-82-1	1,4-Dichlorobenzene-d4	291000	13.347			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Buff		Date Received:	
Client Sample ID:	VY0626SBSD01		SDG No.:	Q2371
Lab Sample ID:	VY0626SBSD01		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
VY022841.D	1		06/26/25 11:32	VY062625

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID:								
RRF005 = VX046718.D			RRF020 = VX046719.D			RRF050 = VX046720.D		
RRF100 = VX046721.D			RRF150 = VX046722.D			RRF001 = VX046725.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
Dichlorodifluoromethane	0.464	0.507	0.583	0.627	0.598	0.425	0.534	15.1
Chloromethane	0.541	0.570	0.593	0.641	0.627	0.485	0.576	10
Vinyl Chloride	0.569	0.632	0.634	0.687	0.644	0.521	0.614	9.7
Bromomethane	0.371	0.367	0.369	0.341	0.280		0.346	11.1
Chloroethane	0.350	0.388	0.377	0.405	0.381	0.332	0.372	7.1
Trichlorofluoromethane	0.897	0.974	0.967	1.030	0.972	0.757	0.933	10.3
1,1,2-Trichlorotrifluoroethane	0.563	0.608	0.576	0.623	0.594	0.470	0.572	9.6
1,1-Dichloroethene	0.527	0.574	0.569	0.609	0.583	0.451	0.552	10.2
Acetone	0.219	0.222	0.220	0.238	0.234	0.251	0.231	5.6
Carbon Disulfide	1.503	1.644	1.599	1.735	1.656	1.869	1.668	7.5
Methyl tert-butyl Ether	1.628	1.803	1.752	1.898	1.808	1.427	1.720	9.8
Methyl Acetate	0.577	0.590	0.581	0.650	0.647	0.470	0.586	11.2
Methylene Chloride	0.655	0.655	0.610	0.666	0.624	0.637	0.641	3.3
trans-1,2-Dichloroethene	0.569	0.627	0.589	0.637	0.595	0.529	0.591	6.7
1,1-Dichloroethane	1.054	1.153	1.088	1.170	1.114	0.972	1.092	6.6
Cyclohexane	0.983	1.086	1.013	1.074	1.021		1.036	4.2
2-Butanone	0.319	0.325	0.338	0.371	0.353	0.251	0.326	12.7
Carbon Tetrachloride	0.509	0.537	0.515	0.548	0.531	0.470	0.518	5.4
cis-1,2-Dichloroethene	0.681	0.731	0.686	0.741	0.704	0.623	0.694	6.1
Bromochloromethane	0.527	0.459	0.485	0.519	0.500	0.480	0.495	5.2
Chloroform	1.102	1.190	1.114	1.181	1.109	0.857	1.092	11.1
1,1,1-Trichloroethane	0.931	1.012	0.956	1.046	0.990	0.812	0.958	8.6
Methylcyclohexane	0.631	0.642	0.629	0.672	0.647	0.550	0.628	6.6
Benzene	1.431	1.477	1.417	1.509	1.427	1.218	1.413	7.2
1,2-Dichloroethane	0.508	0.523	0.495	0.528	0.497	0.429	0.497	7.2
Trichloroethene	0.355	0.374	0.356	0.389	0.366	0.320	0.360	6.5
1,2-Dichloropropane	0.347	0.372	0.346	0.374	0.357	0.305	0.350	7.2
Bromodichloromethane	0.510	0.545	0.522	0.562	0.540	0.404	0.514	11.1
4-Methyl-2-Pentanone	0.408	0.414	0.426	0.460	0.439	0.322	0.411	11.6
Toluene	0.884	0.927	0.888	0.927	0.881	0.750	0.876	7.4

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Calibration Time(s): 11:19 17:18

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

LAB FILE ID:		RRF005 = VX046718.D		RRF020 = VX046719.D		RRF050 = VX046720.D		
		RRF100 = VX046721.D		RRF150 = VX046722.D		RRF001 = VX046725.D		
COMPOUND	RRF005	RRF020	RRF050	RRF100	RRF150	RRF001	RRF	% RSD
t-1,3-Dichloropropene	0.438	0.484	0.488	0.555	0.540	0.355	0.477	15.3
cis-1,3-Dichloropropene	0.516	0.555	0.548	0.603	0.589	0.436	0.541	11.1
1,1,2-Trichloroethane	0.330	0.341	0.326	0.347	0.329	0.287	0.327	6.4
2-Hexanone	0.285	0.285	0.297	0.320	0.305	0.214	0.284	13
Dibromochloromethane	0.380	0.402	0.388	0.419	0.402	0.318	0.385	9.3
1,2-Dibromoethane	0.333	0.348	0.335	0.363	0.346	0.267	0.332	10.1
Tetrachloroethene	0.345	0.353	0.340	0.360	0.339	0.341	0.346	2.4
Chlorobenzene	1.114	1.148	1.091	1.165	1.100	1.005	1.104	5.1
Ethyl Benzene	1.905	2.030	1.933	2.062	1.945	1.696	1.929	6.7
m/p-Xylenes	0.705	0.764	0.724	0.765	0.718	0.635	0.719	6.7
o-Xylene	0.686	0.729	0.692	0.739	0.698	0.498	0.673	13.1
Styrene	1.144	1.256	1.208	1.267	1.203	0.993	1.179	8.6
Bromoform	0.268	0.295	0.287	0.315	0.304	0.226	0.282	11.3
Isopropylbenzene	3.593	3.914	3.723	4.004	3.814	3.048	3.682	9.3
1,1,2,2-Tetrachloroethane	1.037	1.075	1.044	1.124	1.074	0.816	1.028	10.6
1,3-Dichlorobenzene	1.703	1.787	1.678	1.786	1.719	1.694	1.728	2.7
1,4-Dichlorobenzene	1.743	1.830	1.653	1.789	1.702	1.932	1.775	5.6
1,2-Dichlorobenzene	1.604	1.701	1.592	1.703	1.628	1.460	1.615	5.5
1,2-Dibromo-3-Chloropropane	0.196	0.205	0.211	0.235	0.237	0.134	0.203	18.6
1,2,4-Trichlorobenzene	1.040	1.138	1.127	1.253	1.160	1.170	1.148	6
1,2,3-Trichlorobenzene	1.062	1.129	1.082	1.207	1.153	0.957	1.098	7.9
1,2-Dichloroethane-d4	0.801	0.567	0.649	0.726	0.714		0.692	12.7
Dibromofluoromethane	0.362	0.267	0.320	0.354	0.351		0.331	11.9
Toluene-d8	1.342	0.973	1.144	1.250	1.234		1.189	11.7
4-Bromofluorobenzene	0.513	0.354	0.426	0.466	0.456		0.443	13.3

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

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	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.

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

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	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.

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.534	0.600		12.36	20
Chloromethane	0.576	0.638	0.1	10.76	20
Vinyl Chloride	0.614	0.680		10.75	20
Bromomethane	0.346	0.403		16.47	20
Chloroethane	0.372	0.421		13.17	20
Trichlorofluoromethane	0.933	1.016		8.9	20
1,1,2-Trichlorotrifluoroethane	0.572	0.624		9.09	20
1,1-Dichloroethene	0.552	0.599		8.51	20
Acetone	0.231	0.211		-8.66	20
Carbon Disulfide	1.668	1.680		0.72	20
Methyl tert-butyl Ether	1.720	1.647		-4.24	20
Methyl Acetate	0.586	0.514		-12.29	20
Methylene Chloride	0.641	0.646		0.78	20
trans-1,2-Dichloroethene	0.591	0.616		4.23	20
1,1-Dichloroethane	1.092	1.134	0.1	3.85	20
Cyclohexane	1.036	1.024		-1.16	20
2-Butanone	0.326	0.263		-19.33	20
Carbon Tetrachloride	0.518	0.536		3.47	20
cis-1,2-Dichloroethene	0.694	0.707		1.87	20
Bromochloromethane	0.495	0.498		0.61	20
Chloroform	1.092	1.125		3.02	20
1,1,1-Trichloroethane	0.958	0.974		1.67	20
Methylcyclohexane	0.628	0.640		1.91	20
Benzene	1.413	1.471		4.11	20
1,2-Dichloroethane	0.497	0.497		0	20
Trichloroethene	0.360	0.372		3.33	20
1,2-Dichloropropane	0.350	0.367		4.86	20
Bromodichloromethane	0.514	0.539		4.86	20
4-Methyl-2-Pentanone	0.411	0.354		-13.87	20
Toluene	0.876	0.898		2.51	20
t-1,3-Dichloropropene	0.477	0.497		4.19	20
cis-1,3-Dichloropropene	0.541	0.568		4.99	20
1,1,2-Trichloroethane	0.327	0.324		-0.92	20
2-Hexanone	0.284	0.237		-16.55	20
Dibromochloromethane	0.385	0.396		2.86	20
1,2-Dibromoethane	0.332	0.322		-3.01	20
Tetrachloroethene	0.346	0.357		3.18	20
Chlorobenzene	1.104	1.136	0.3	2.9	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_X Calibration Date/Time: 06/23/2025 09:03

Lab File ID: VX046804.D Init. Calib. Date(s): 06/17/2025 06/17/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 11:19 17:18

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

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.929	1.996		3.47	20
m/p-Xylenes	0.719	0.747		3.89	20
o-Xylene	0.673	0.721		7.13	20
Styrene	1.179	1.237		4.92	20
Bromoform	0.282	0.277	0.1	-1.77	20
Isopropylbenzene	3.682	3.893		5.73	20
1,1,2,2-Tetrachloroethane	1.028	0.984	0.3	-4.28	20
1,3-Dichlorobenzene	1.728	1.724		-0.23	20
1,4-Dichlorobenzene	1.775	1.715		-3.38	20
1,2-Dichlorobenzene	1.615	1.637		1.36	20
1,2-Dibromo-3-Chloropropane	0.203	0.170		-16.26	20
1,2,4-Trichlorobenzene	1.148	1.160		1.04	20
1,2,3-Trichlorobenzene	1.098	1.090		-0.73	20
1,2-Dichloroethane-d4	0.692	0.630		-8.96	20
Dibromofluoromethane	0.331	0.339		2.42	20
Toluene-d8	1.189	1.177		-1.01	20
4-Bromofluorobenzene	0.443	0.431		-2.71	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.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	0.440		2.8	20
Chloromethane	0.816	0.752	0.1	-7.84	20
Vinyl Chloride	1.020	0.980		-3.92	20
Bromomethane	0.802	0.762		-4.99	20
Chloroethane	0.686	0.667		-2.77	20
Trichlorofluoromethane	1.129	1.082		-4.16	20
1,1,2-Trichlorotrifluoroethane	0.516	0.546		5.81	20
1,1-Dichloroethene	0.506	0.545		7.71	20
Acetone	0.105	0.131		24.76	20
Carbon Disulfide	1.635	1.715		4.89	20
Methyl tert-butyl Ether	1.378	1.465		6.31	20
Methyl Acetate	0.349	0.323		-7.45	20
Methylene Chloride	0.666	0.634		-4.8	20
trans-1,2-Dichloroethene	0.578	0.608		5.19	20
1,1-Dichloroethane	1.044	1.094	0.1	4.79	20
Cyclohexane	0.959	1.000		4.28	20
2-Butanone	0.154	0.172		11.69	20
Carbon Tetrachloride	0.486	0.541		11.32	20
cis-1,2-Dichloroethene	0.672	0.699		4.02	20
Bromochloromethane	0.439	0.426		-2.96	20
Chloroform	1.076	1.110		3.26	20
1,1,1-Trichloroethane	0.929	0.993		6.89	20
Methylcyclohexane	0.596	0.679		13.93	20
Benzene	1.417	1.540		8.68	20
1,2-Dichloroethane	0.388	0.410		5.67	20
Trichloroethene	0.356	0.385		8.15	20
1,2-Dichloropropane	0.332	0.357		7.53	20
Bromodichloromethane	0.485	0.522		7.63	20
4-Methyl-2-Pentanone	0.210	0.232		10.48	20
Toluene	0.894	0.997		11.52	20
t-1,3-Dichloropropene	0.437	0.479		9.61	20
cis-1,3-Dichloropropene	0.506	0.554		9.49	20
1,1,2-Trichloroethane	0.244	0.262		7.38	20
2-Hexanone	0.143	0.165		15.39	20
Dibromochloromethane	0.315	0.338		7.3	20
1,2-Dibromoethane	0.228	0.245		7.46	20
Tetrachloroethene	0.472	0.516		9.32	20
Chlorobenzene	1.099	1.206	0.3	9.74	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: CHEMTECH Contract: GENV01

Lab Code: CHEM Case No.: Q2371 SAS No.: Q2371 SDG No.: Q2371

Instrument ID: MSVOA_Y Calibration Date/Time: 06/26/2025 10:07

Lab File ID: VY022838.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	2.192		13.57	20
m/p-Xylenes	0.746	0.854		14.48	20
o-Xylene	0.703	0.798		13.51	20
Styrene	1.178	1.349		14.52	20
Bromoform	0.207	0.220	0.1	6.28	20
Isopropylbenzene	3.698	4.255		15.06	20
1,1,2,2-Tetrachloroethane	0.596	0.638	0.3	7.05	20
1,3-Dichlorobenzene	1.683	1.856		10.28	20
1,4-Dichlorobenzene	1.672	1.815		8.55	20
1,2-Dichlorobenzene	1.483	1.605		8.23	20
1,2-Dibromo-3-Chloropropane	0.101	0.101		0	20
1,2,4-Trichlorobenzene	0.838	0.856		2.15	20
1,2,3-Trichlorobenzene	0.724	0.712		-1.66	20
1,2-Dichloroethane-d4	0.558	0.541		-3.05	20
Dibromofluoromethane	0.304	0.302		-0.66	20
Toluene-d8	1.207	1.223		1.33	20
4-Bromofluorobenzene	0.388	0.390		0.51	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_X\Data\VX062325\
 Data File : VX046819.D
 Acq On : 23 Jun 2025 14:50
 Operator : JC/MD
 Sample : Q2371-04 40X
 Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RPXY42025

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 24 04:08:14 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

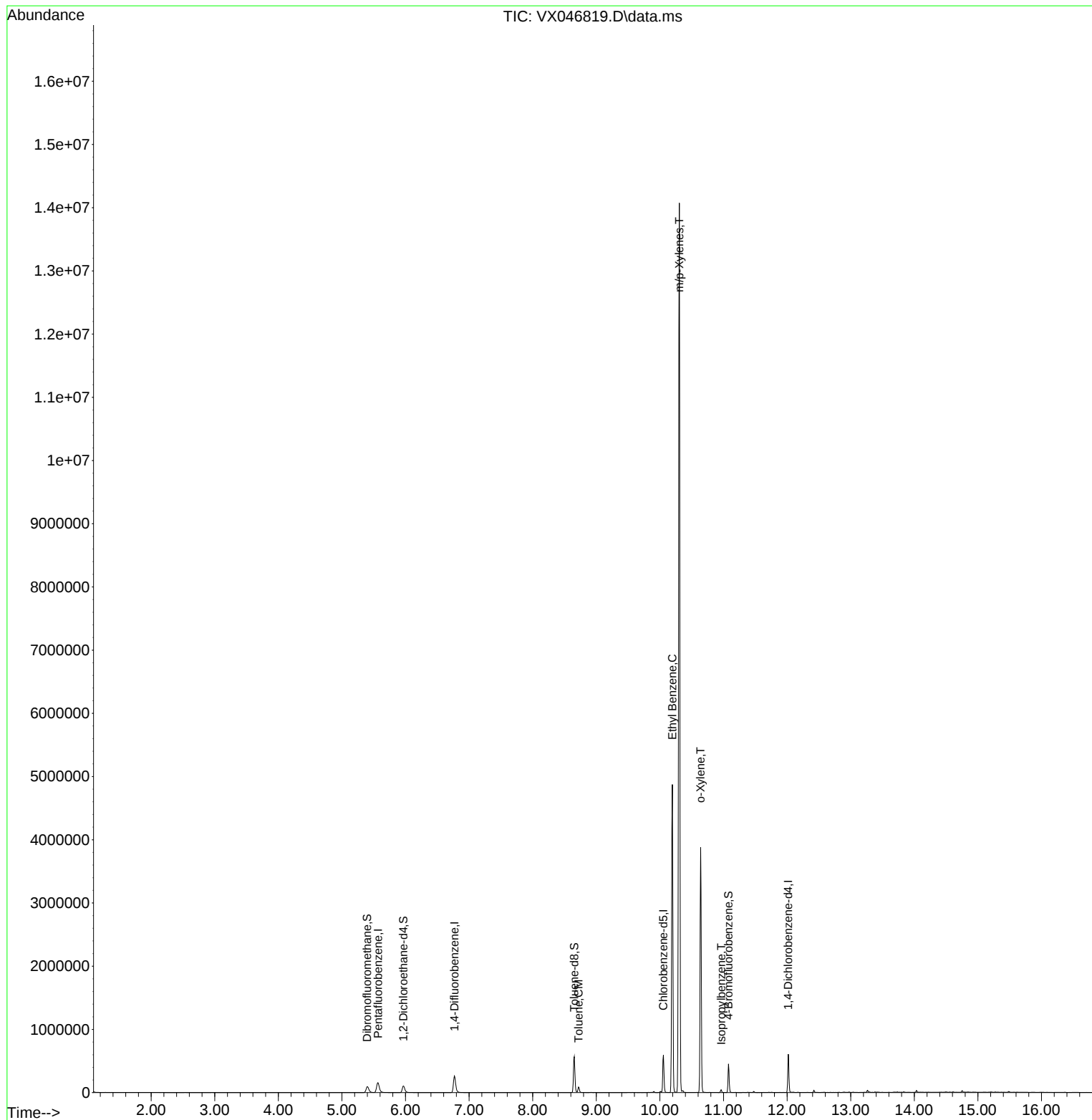
Internal Standards						
1) Pentafluorobenzene	5.568	168	167072	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	289861	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	268205	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	122450	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	111095	48.074	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	96.140%
35) Dibromofluoromethane	5.397	113	92683	48.327	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.660%
50) Toluene-d8	8.653	98	347237	50.395	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.800%
62) 4-Bromofluorobenzene	11.079	95	119578	46.557	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	93.120%
Target Compounds						
					Qvalue	
52) Toluene	8.720	92	35818	7.052	ug/l	99
67) Ethyl Benzene	10.195	91	2837603	274.306	ug/l	98
68) m/p-Xylenes	10.305	106	3312872	859.479	ug/l	95
69) o-Xylene	10.640	106	815299	225.698	ug/l	98
73) Isopropylbenzene	10.964	105	24508	2.718	ug/l	99

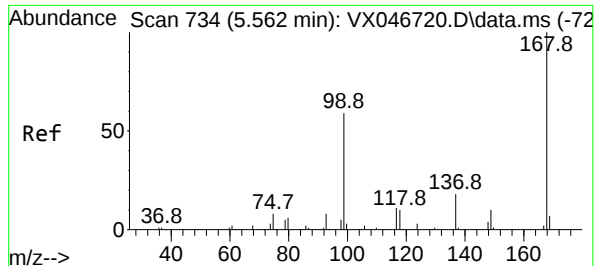
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Time: Jun 24 04:08:14 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

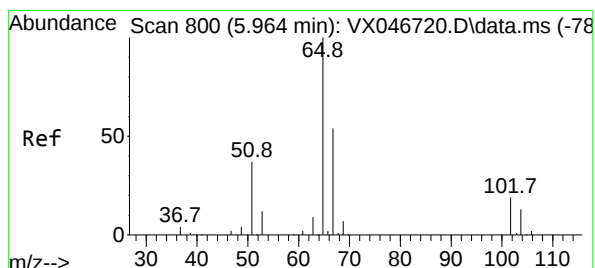
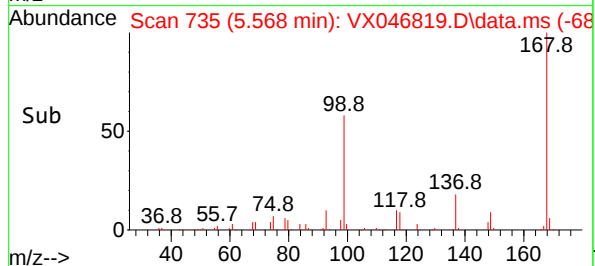
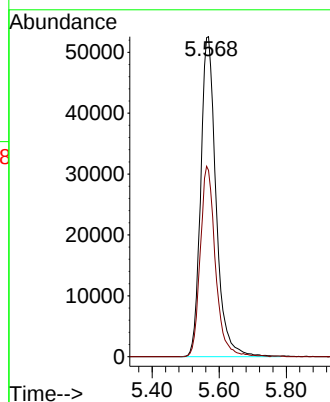
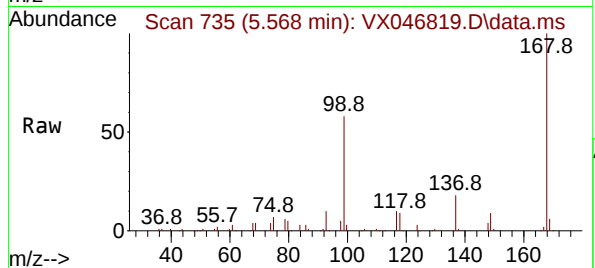




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.568 min Scan# 71
Delta R.T. 0.006 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

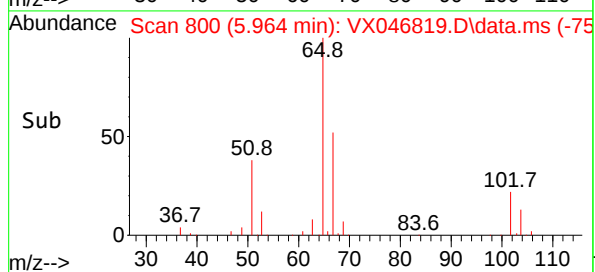
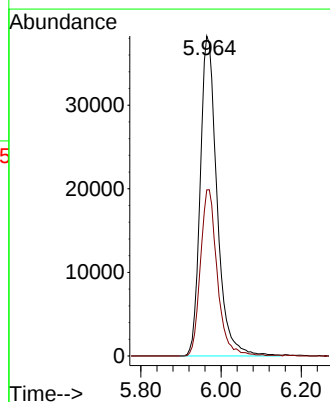
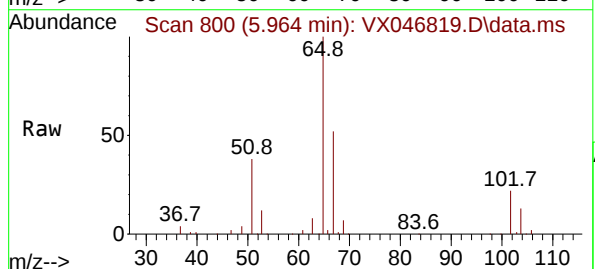
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

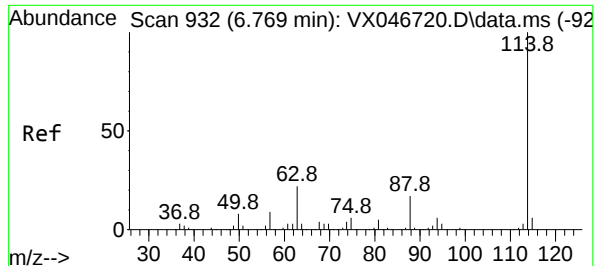
Tgt Ion:168 Resp: 167072
Ion Ratio Lower Upper
168 100
99 58.3 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 48.074 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 65 Resp: 111095
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025

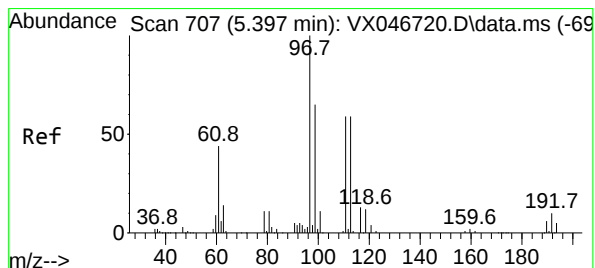
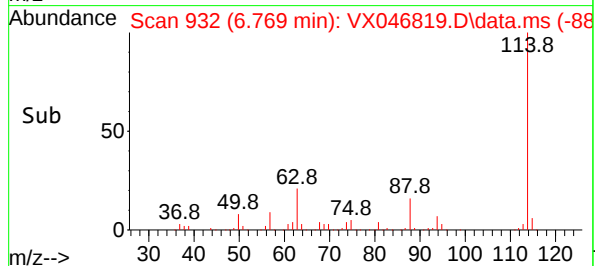
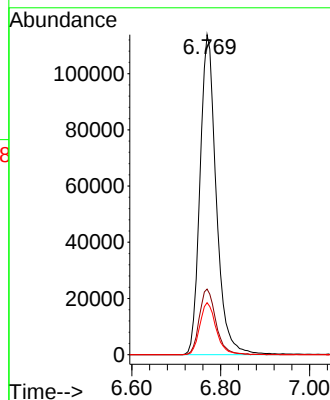
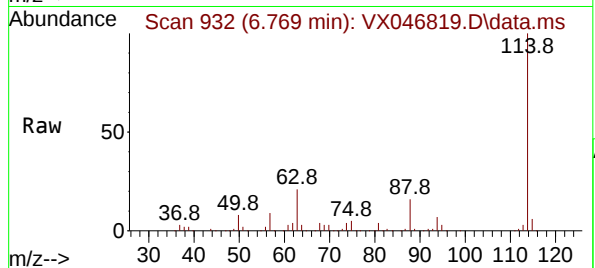
Tgt Ion:114 Resp: 289861

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 16.3 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.327 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

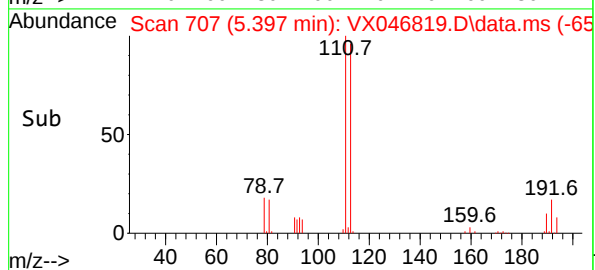
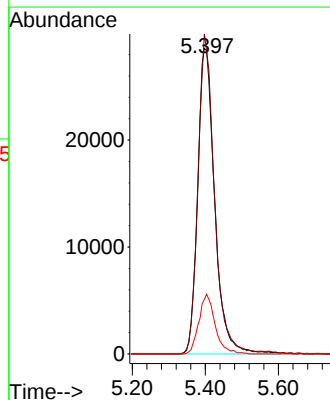
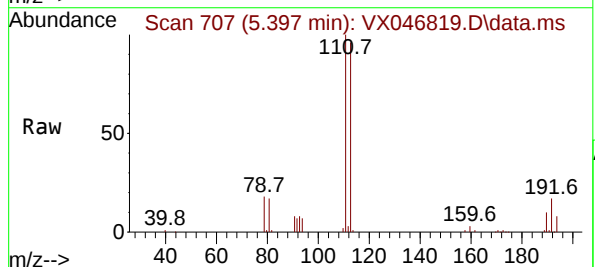
Tgt Ion:113 Resp: 92683

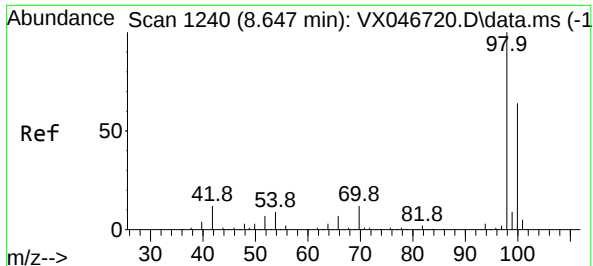
Ion Ratio Lower Upper

113 100

111 100.8 82.0 123.0

192 18.6 15.3 22.9





#50

Toluene-d8

Concen: 50.395 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

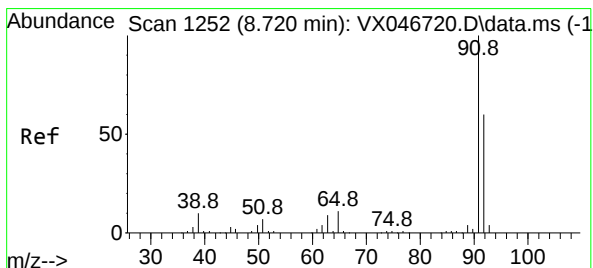
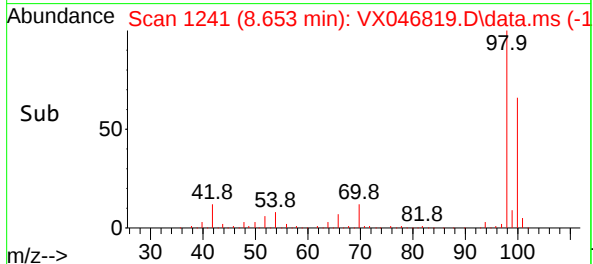
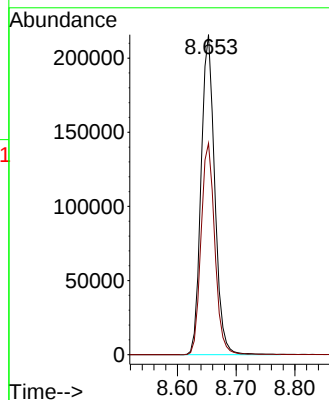
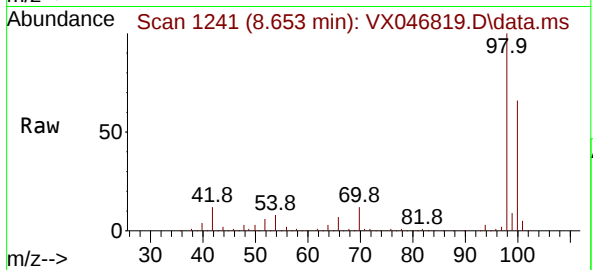
RPXY42025

Tgt Ion: 98 Resp: 347237

Ion Ratio Lower Upper

98 100

100 66.6 53.0 79.4



#52

Toluene

Concen: 7.052 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX046819.D

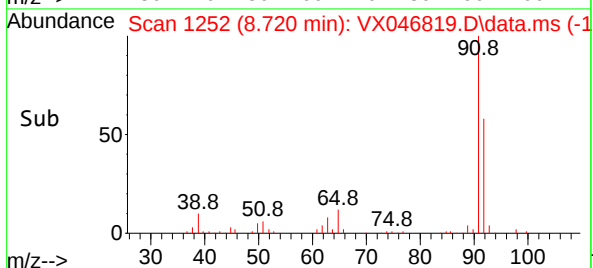
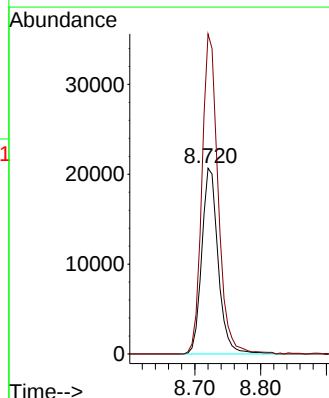
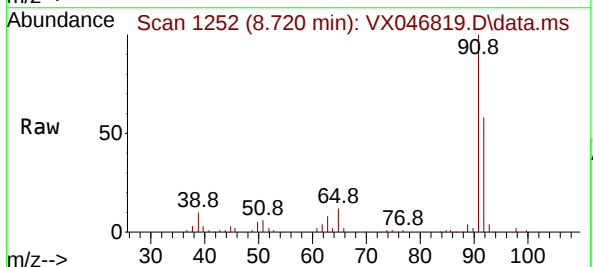
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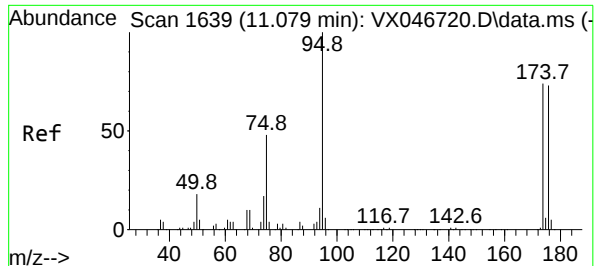
Tgt Ion: 92 Resp: 35818

Ion Ratio Lower Upper

92 100

91 170.5 134.8 202.2

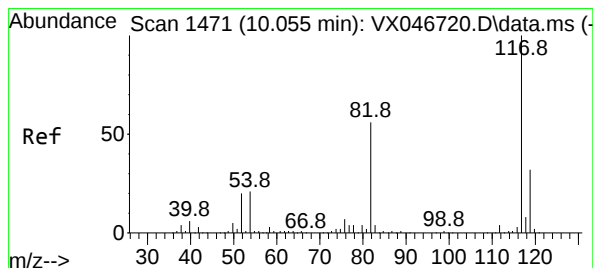
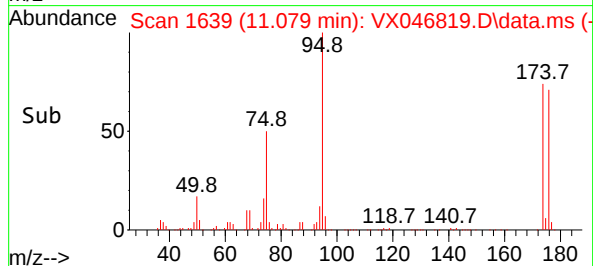
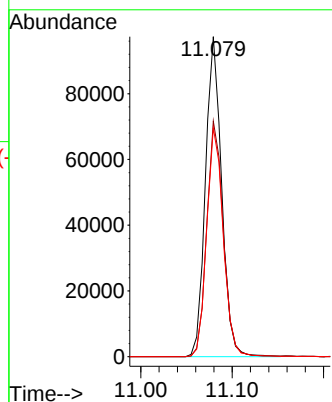
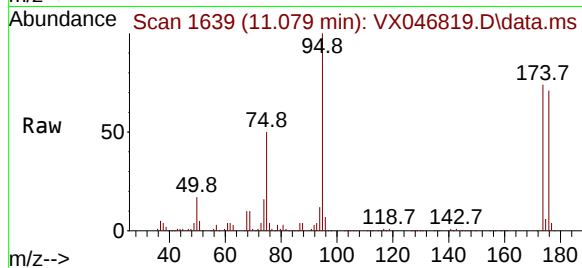




#62
4-Bromofluorobenzene
Concen: 46.557 ug/l
RT: 11.079 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

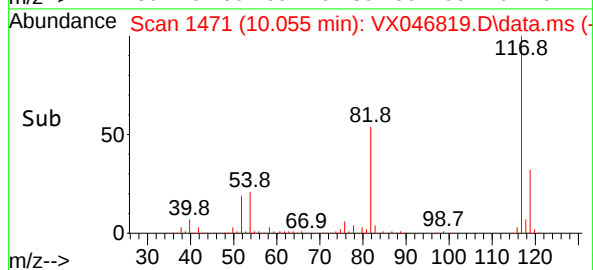
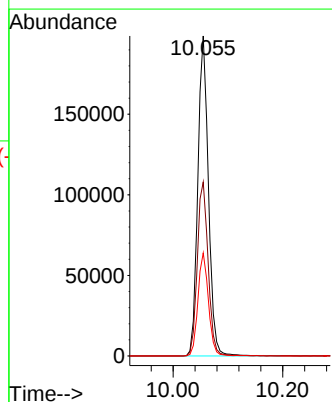
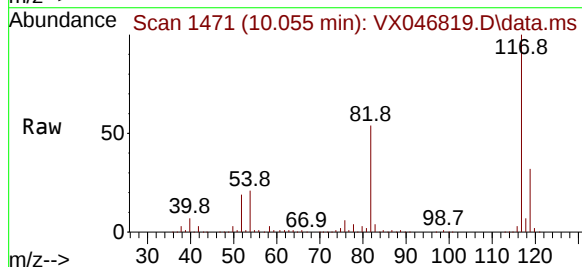
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

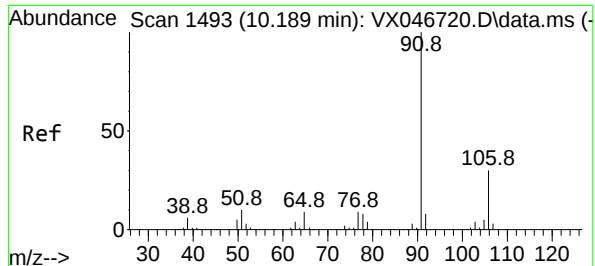
Tgt Ion: 95 Resp: 119578
Ion Ratio Lower Upper
95 100
174 75.3 0.0 150.4
176 73.2 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion: 117 Resp: 268205
Ion Ratio Lower Upper
117 100
82 54.3 44.6 66.8
119 32.2 25.8 38.8





#67

Ethyl Benzene

Concen: 274.306 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046819.D

Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

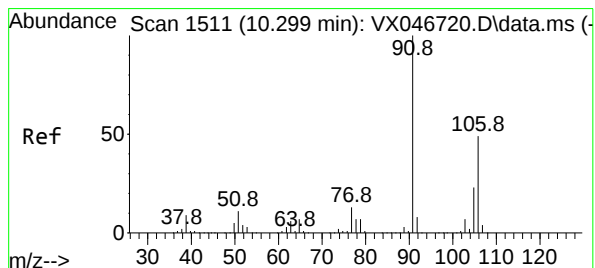
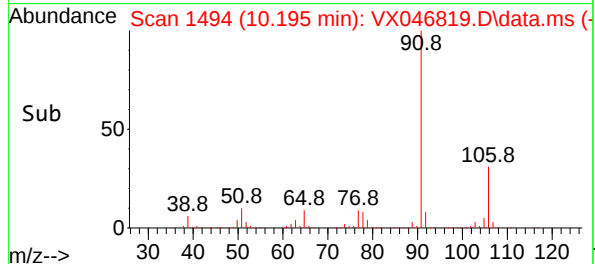
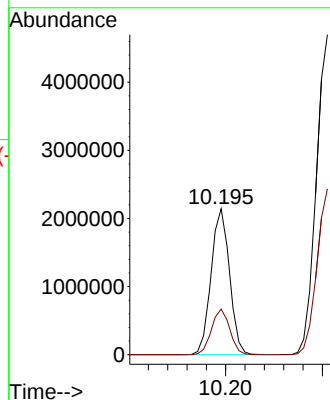
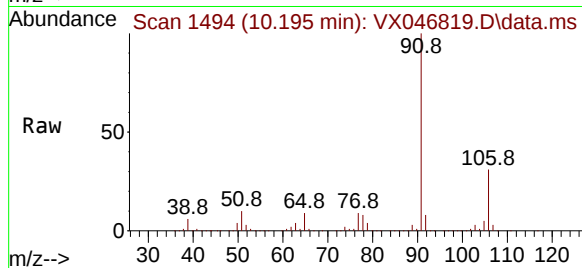
RPXY42025

Tgt Ion: 91 Resp: 2837603

Ion Ratio Lower Upper

91 100

106 31.3 24.2 36.2



#68

m/p-Xylenes

Concen: 859.479 ug/l

RT: 10.305 min Scan# 1512

Delta R.T. 0.006 min

Lab File: VX046819.D

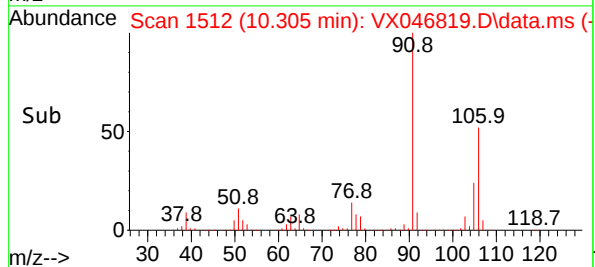
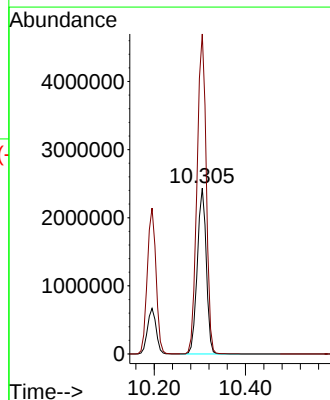
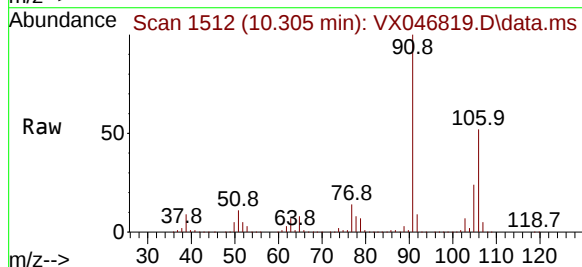
Acq: 23 Jun 2025 14:50

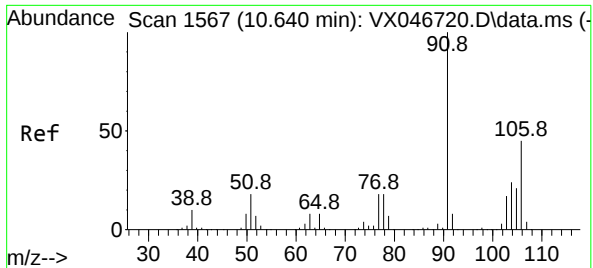
Tgt Ion: 106 Resp: 3312872

Ion Ratio Lower Upper

106 100

91 198.5 164.8 247.2

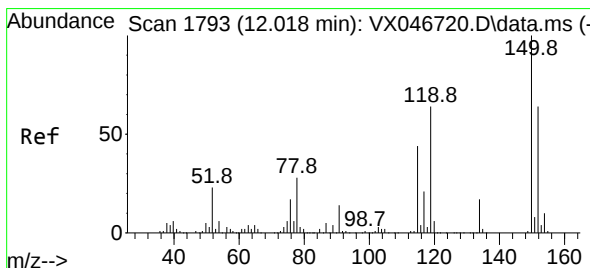
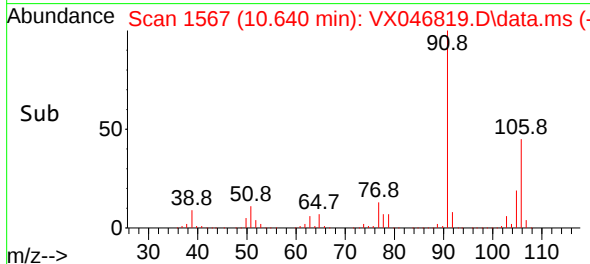
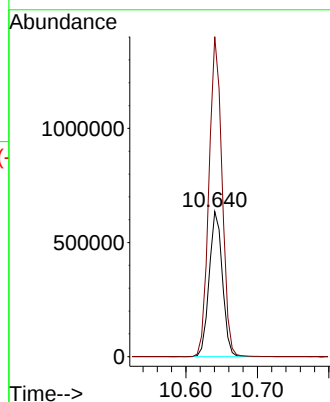
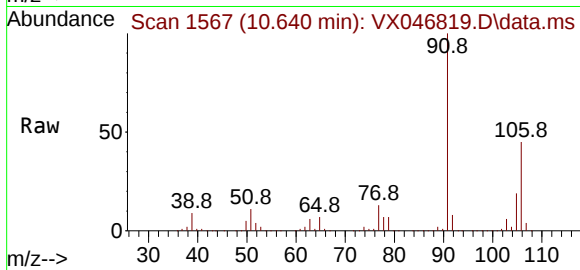




#69
o-Xylene
Concen: 225.698 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

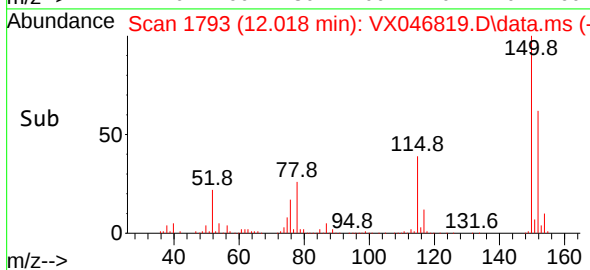
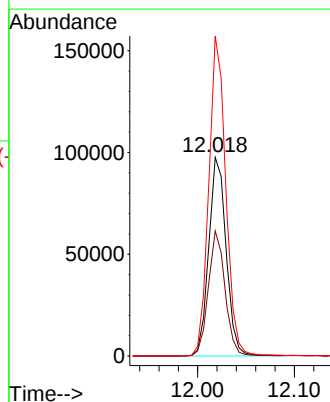
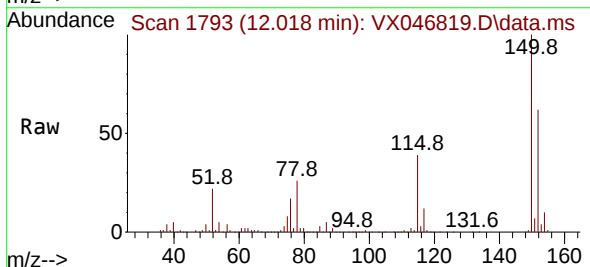
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

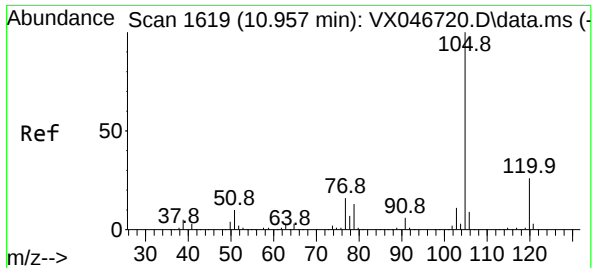
Tgt Ion:106 Resp: 815299
Ion Ratio Lower Upper
106 100
91 218.6 111.3 333.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.018 min Scan# 1793
Delta R.T. -0.000 min
Lab File: VX046819.D
Acq: 23 Jun 2025 14:50

Tgt Ion:152 Resp: 122450
Ion Ratio Lower Upper
152 100
115 60.8 43.2 129.6
150 157.4 0.0 346.8





#73

Isopropylbenzene

Concen: 2.718 ug/l

RT: 10.964 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046819.D

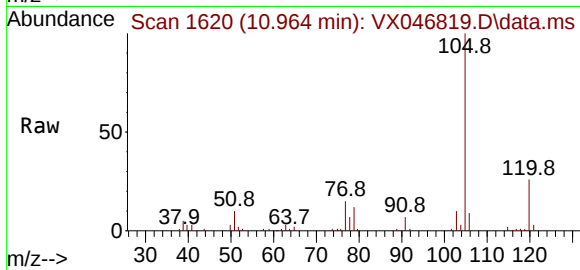
Acq: 23 Jun 2025 14:50

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025

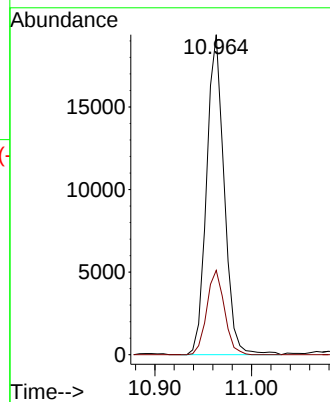
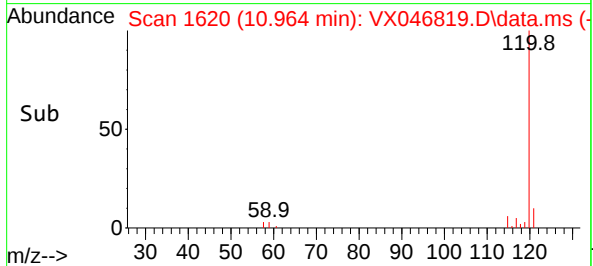


Tgt Ion:105 Resp: 24508

Ion Ratio Lower Upper

105 100

120 26.4 13.0 39.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

A
B
C
D
E
F
G
H
I
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M

Title : SW846 8260

Signal : TIC: VX046819.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.397	696	707	724	rBV	93918	296082	1.53%	0.834%
2	5.562	724	734	761	rVB	155323	489040	2.53%	1.378%
3	5.964	790	800	821	rBV	105268	304373	1.58%	0.858%
4	6.769	921	932	951	rBV	263007	667599	3.46%	1.881%
5	8.653	1234	1241	1248	rBV	567127	918903	4.76%	2.590%
6	10.055	1466	1471	1488	rVB	593722	808176	4.18%	2.278%
7	10.195	1488	1494	1505	rBV	4873045	6449096	33.39%	18.175%
8	10.305	1505	1512	1519	rBV	14068197	19314817	100.00%	54.434%
9	10.640	1561	1567	1578	rBV	3880248	4925724	25.50%	13.882%
10	11.079	1634	1639	1651	rBV	451790	564131	2.92%	1.590%
11	12.018	1788	1793	1800	rBV	605754	745381	3.86%	2.101%

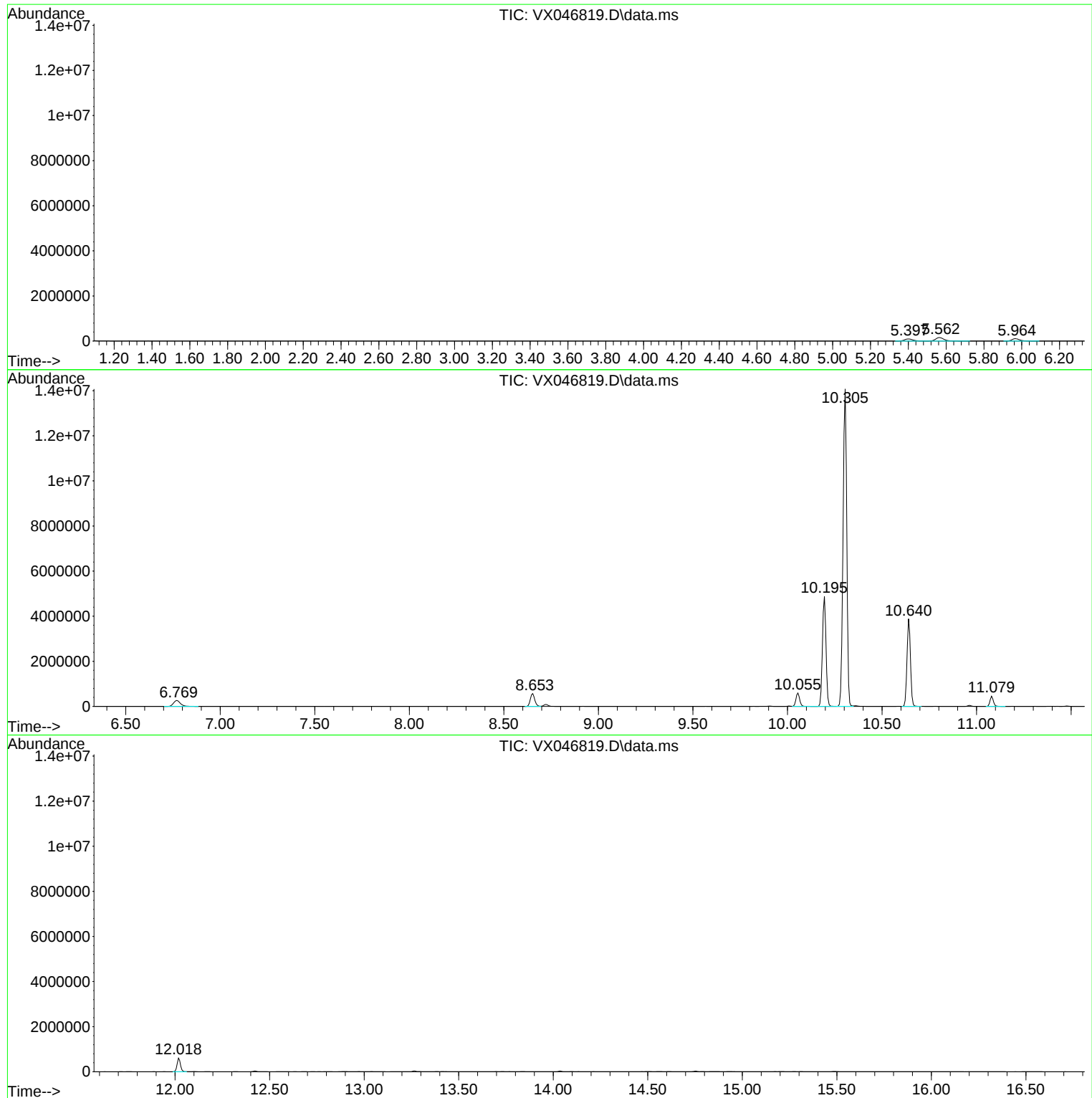
Sum of corrected areas: 35483322

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046819.D
Acq On : 23 Jun 2025 14:50
Operator : JC/MD
Sample : Q2371-04 40X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046824.D
 Acq On : 23 Jun 2025 16:38
 Operator : JC/MD
 Sample : Q2371-04DL 1000X
 Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

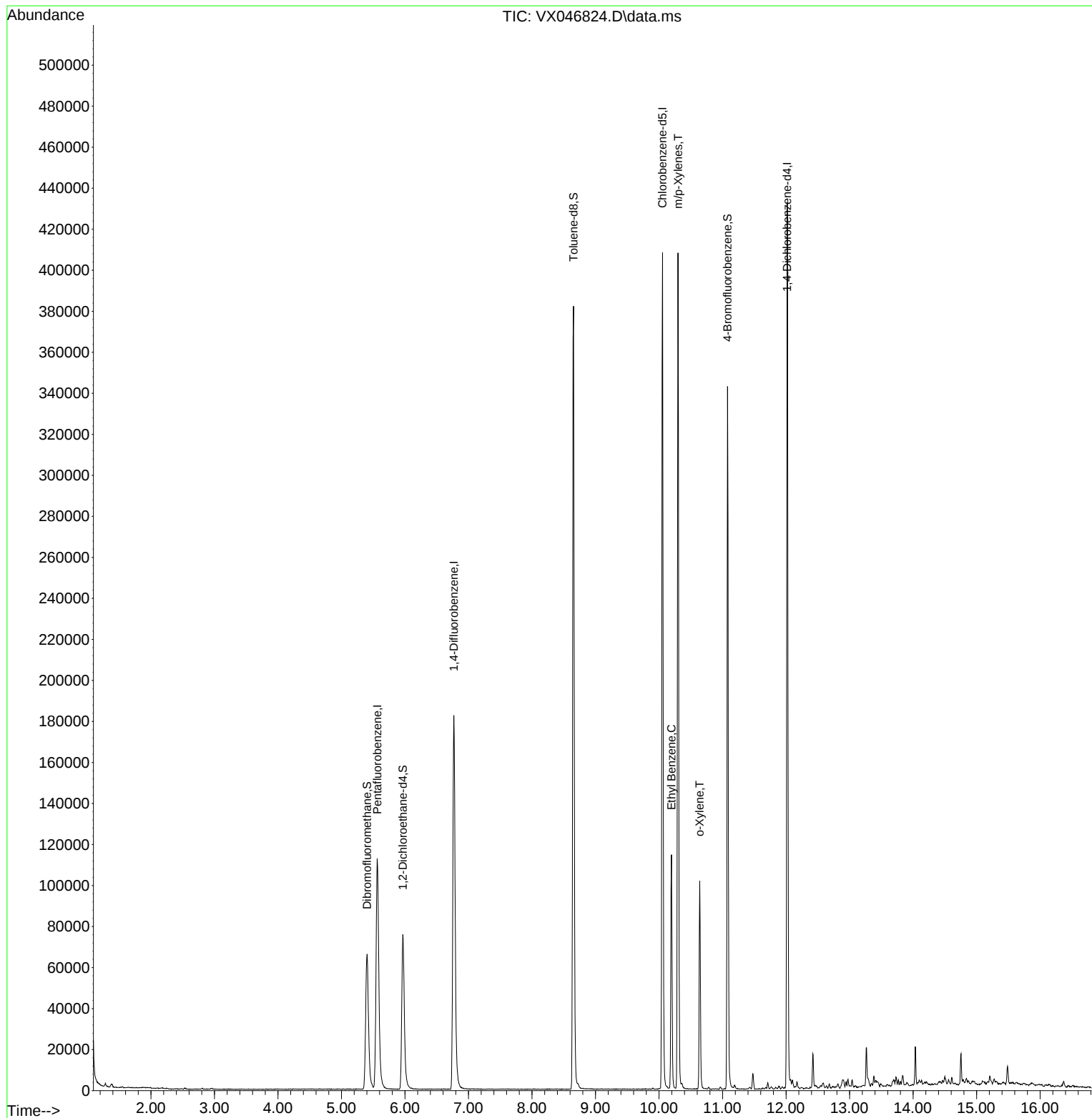
Internal Standards						
1) Pentafluorobenzene	5.562	168	116345	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	201396	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	184795	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	91592	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	79202	49.216	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	98.440%
35) Dibromofluoromethane	5.403	113	63780	47.865	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	95.720%
50) Toluene-d8	8.653	98	238294	49.776	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.560%
62) 4-Bromofluorobenzene	11.079	95	92217	51.675	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.340%
Target Compounds						
					Qvalue	
67) Ethyl Benzene	10.195	91	68180	9.566	ug/l	99
68) m/p-Xylenes	10.299	106	92564	34.854	ug/l	99
69) o-Xylene	10.640	106	22590	9.076	ug/l	93

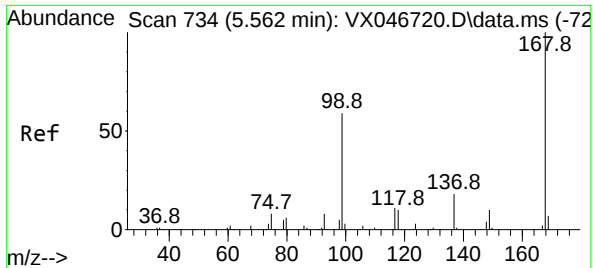
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046824.D
Acq On : 23 Jun 2025 16:38
Operator : JC/MD
Sample : Q2371-04DL 1000X
Misc : 6.82g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

Quant Time: Jun 24 04:10:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

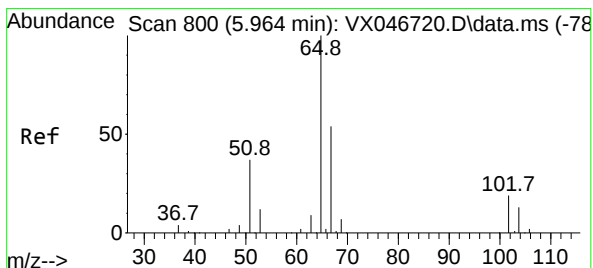
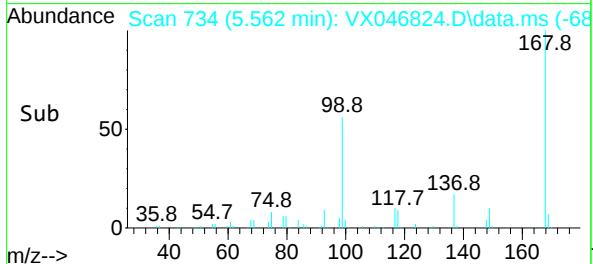
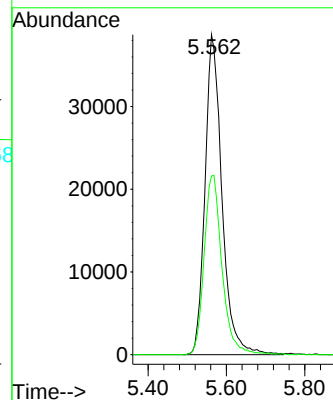
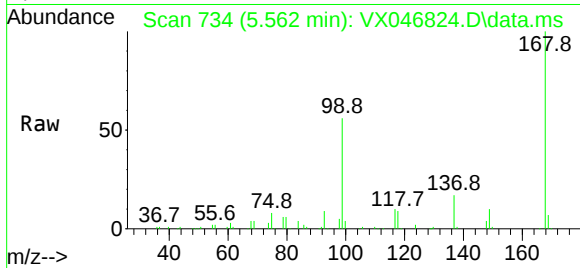




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

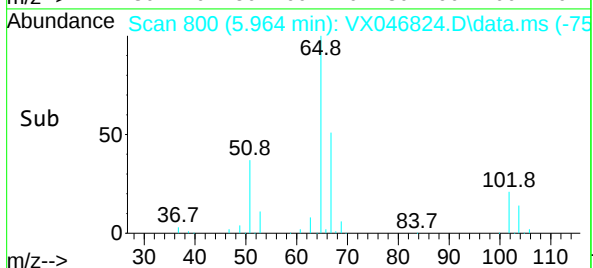
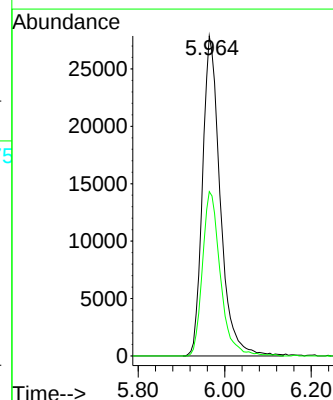
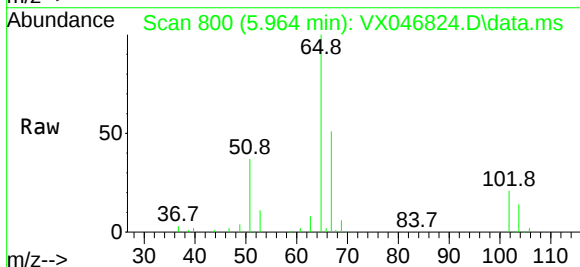
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

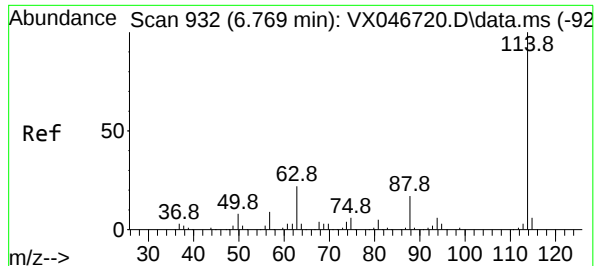
Tgt Ion:168 Resp: 116345
Ion Ratio Lower Upper
168 100
99 55.9 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 49.216 ug/l
RT: 5.964 min Scan# 800
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion: 65 Resp: 79202
Ion Ratio Lower Upper
65 100
67 51.8 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046824.D

Acq: 23 Jun 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025DL

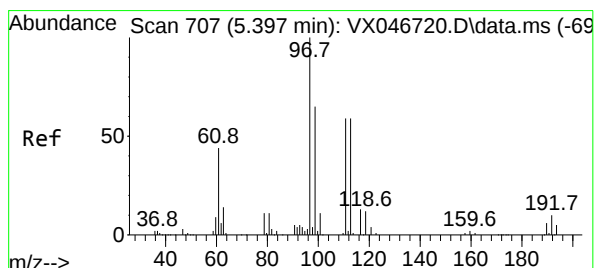
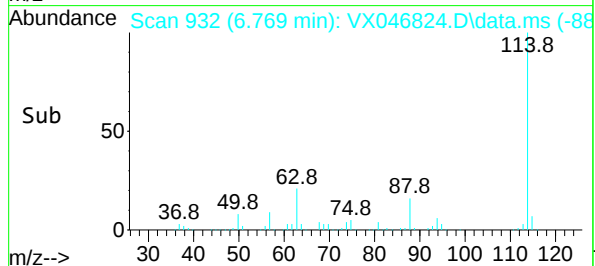
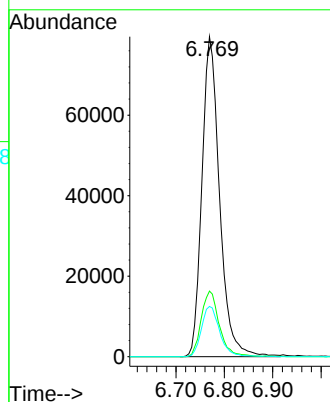
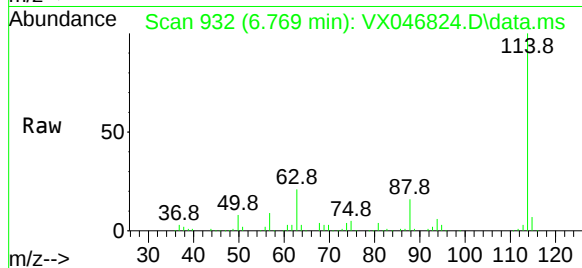
Tgt Ion:114 Resp: 201396

Ion Ratio Lower Upper

114 100

63 20.5 0.0 44.2

88 15.7 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.865 ug/l

RT: 5.403 min Scan# 708

Delta R.T. 0.006 min

Lab File: VX046824.D

Acq: 23 Jun 2025 16:38

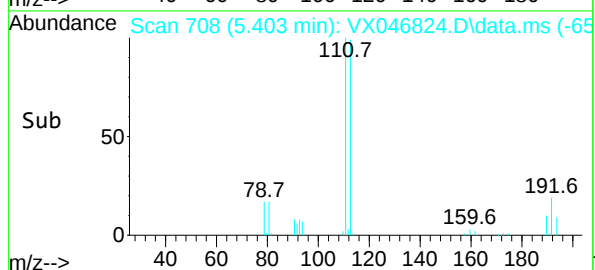
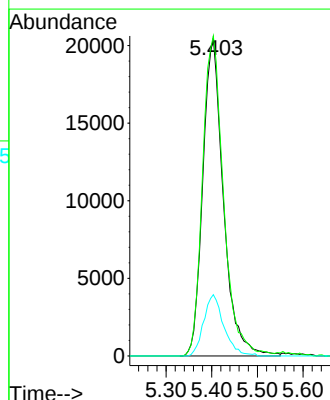
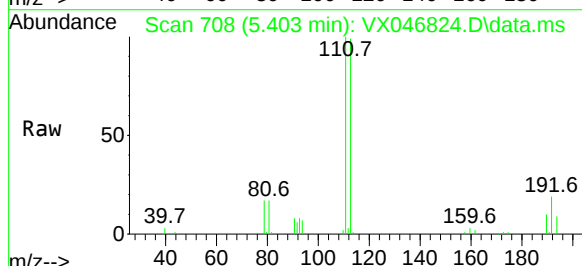
Tgt Ion:113 Resp: 63780

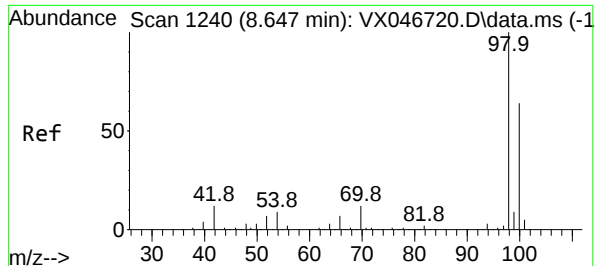
Ion Ratio Lower Upper

113 100

111 103.3 82.0 123.0

192 19.0 15.3 22.9





#50

Toluene-d8

Concen: 49.776 ug/l

RT: 8.653 min Scan# 11

Delta R.T. 0.006 min

Lab File: VX046824.D

Acq: 23 Jun 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

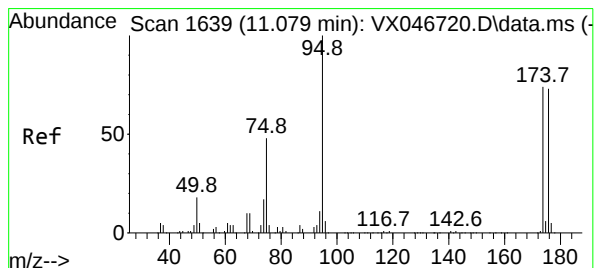
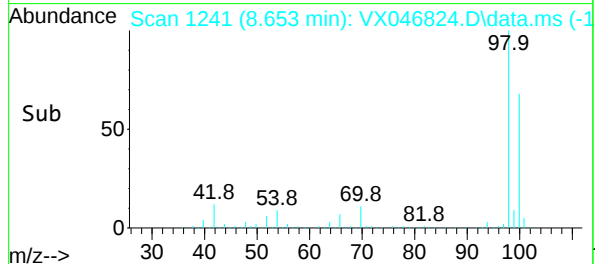
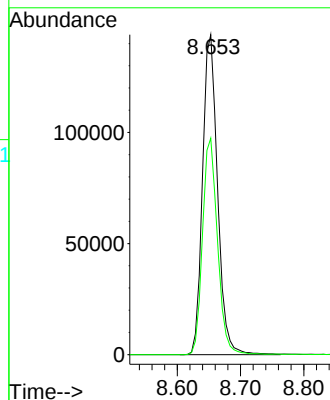
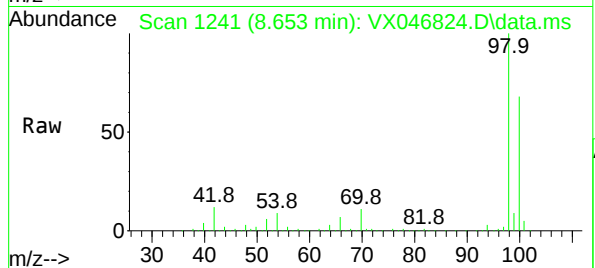
RPXY42025DL

Tgt Ion: 98 Resp: 238294

Ion Ratio Lower Upper

98 100

100 67.5 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 51.675 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046824.D

Acq: 23 Jun 2025 16:38

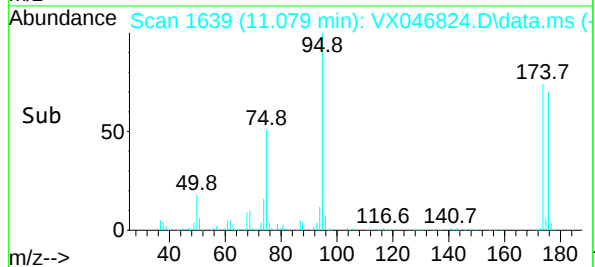
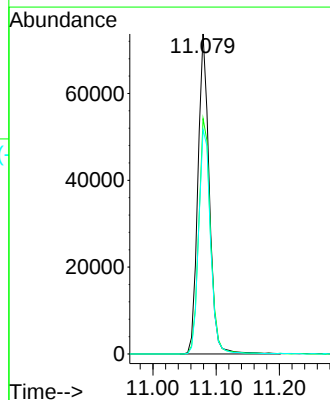
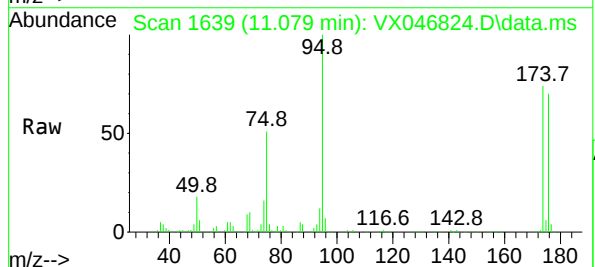
Tgt Ion: 95 Resp: 92217

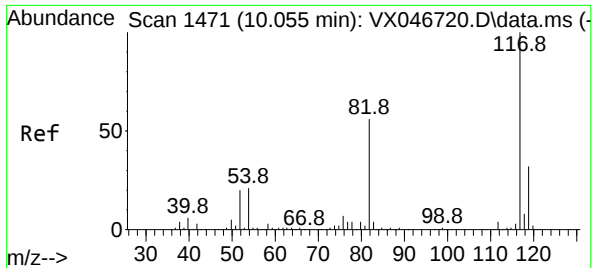
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.4

176 73.2 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. -0.000 min

Lab File: VX046824.D

Acq: 23 Jun 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025DL

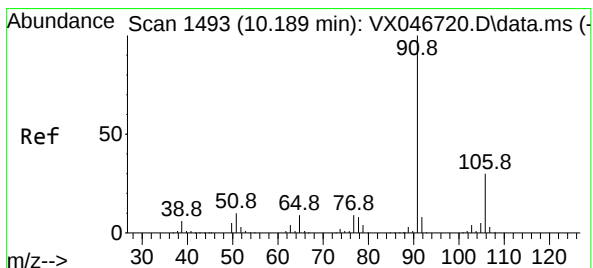
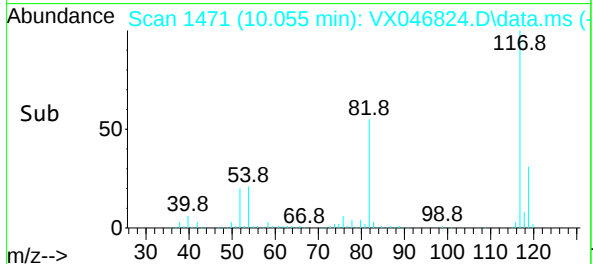
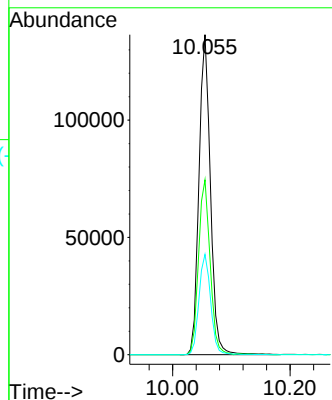
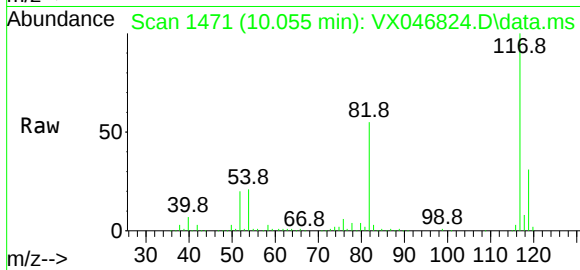
Tgt Ion:117 Resp: 184795

Ion Ratio Lower Upper

117 100

82 54.7 44.6 66.8

119 31.3 25.8 38.8



#67

Ethyl Benzene

Concen: 9.566 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046824.D

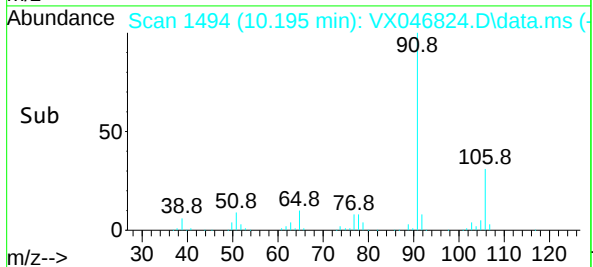
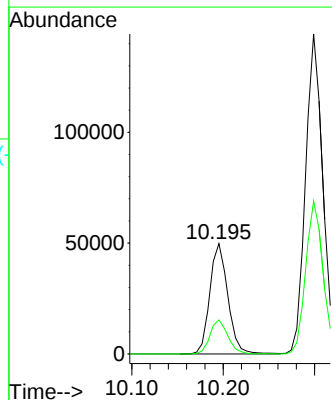
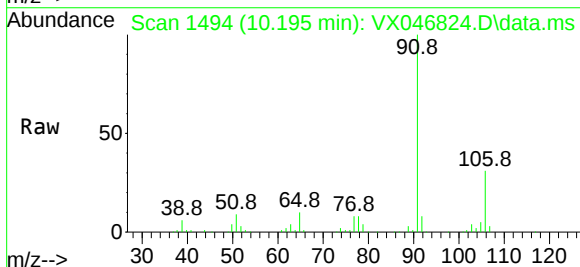
Acq: 23 Jun 2025 16:38

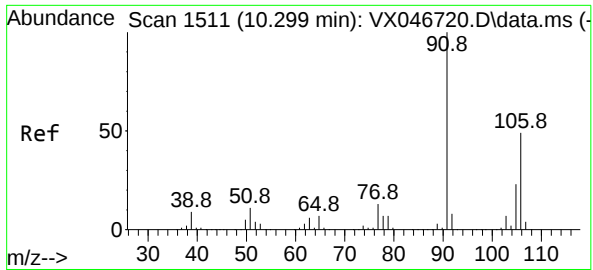
Tgt Ion: 91 Resp: 68180

Ion Ratio Lower Upper

91 100

106 30.9 24.2 36.2

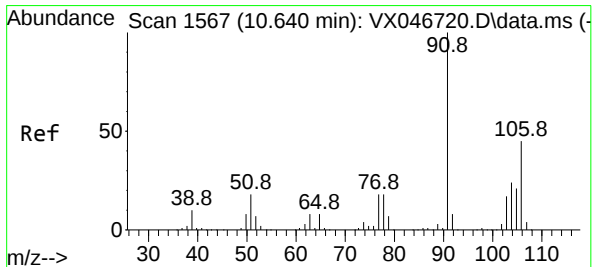
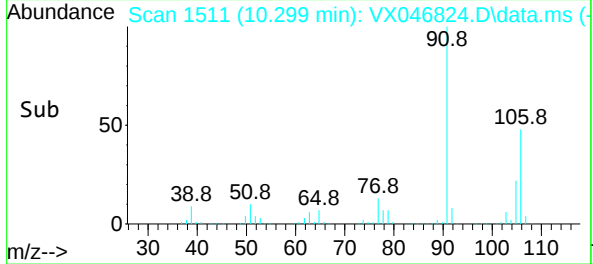
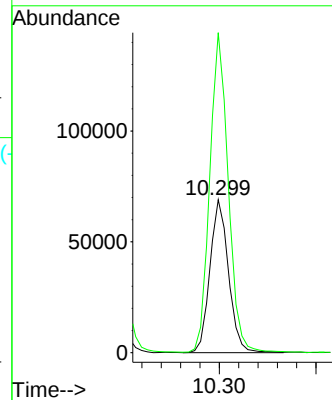
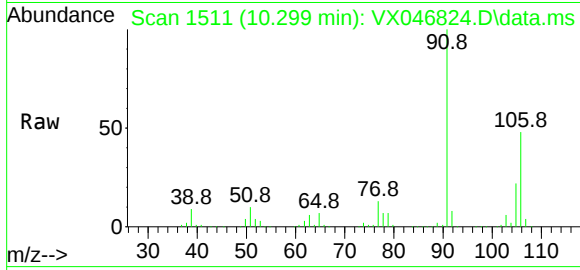




#68
m/p-Xylenes
Concen: 34.854 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

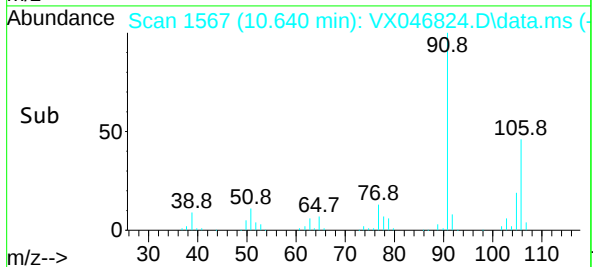
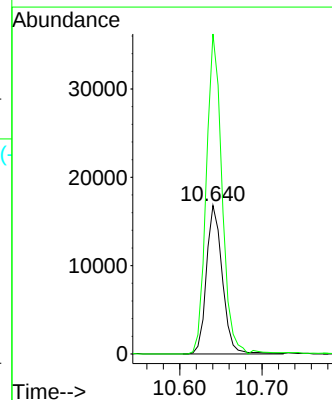
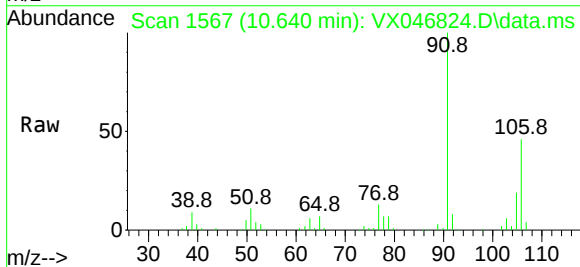
Instrument :
MSVOA_X
ClientSampleId :
RPXY42025DL

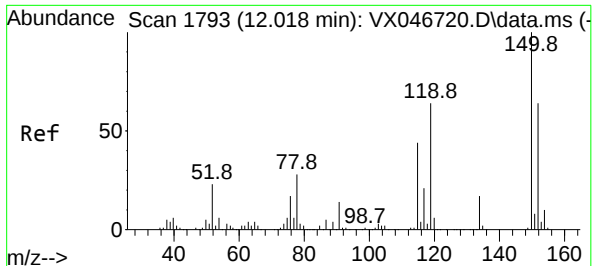
Tgt Ion:106 Resp: 92564
Ion Ratio Lower Upper
106 100
91 208.1 164.8 247.2



#69
o-Xylene
Concen: 9.076 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. -0.000 min
Lab File: VX046824.D
Acq: 23 Jun 2025 16:38

Tgt Ion:106 Resp: 22590
Ion Ratio Lower Upper
106 100
91 211.3 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX046824.D

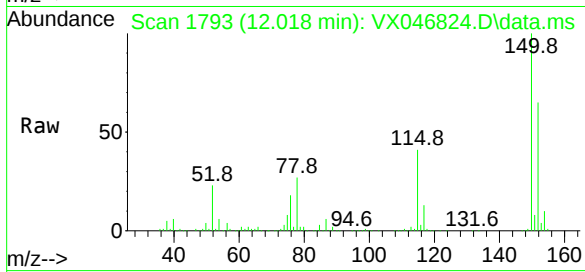
Acq: 23 Jun 2025 16:38

Instrument :

MSVOA_X

ClientSampleId :

RPXY42025DL



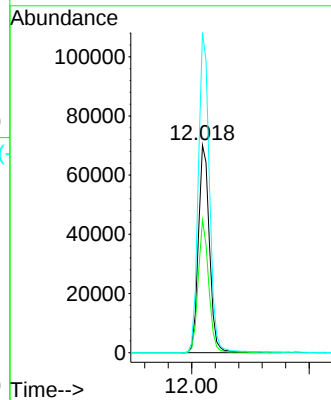
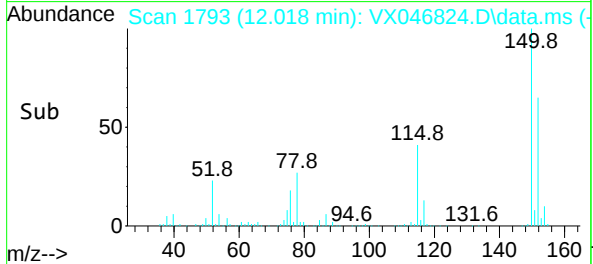
Tgt Ion:152 Resp: 91592

Ion Ratio Lower Upper

152 100

115 60.6 43.2 129.6

150 154.9 0.0 346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046818.D
 Acq On : 23 Jun 2025 14:28
 Operator : JC/MD
 Sample : Q2371-05 40X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 24 04:07:49 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

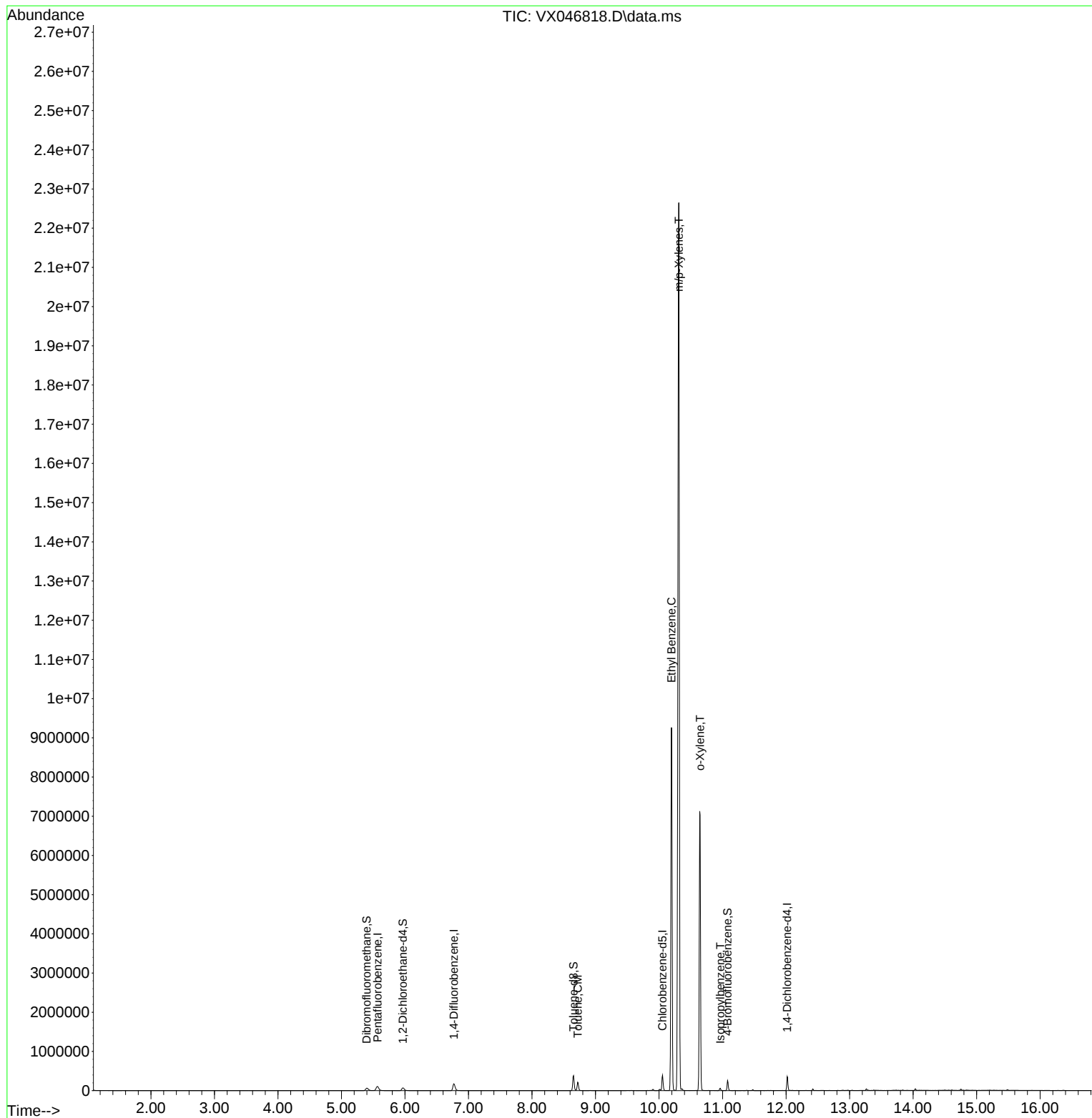
Internal Standards						
1) Pentafluorobenzene	5.568	168	111553	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	195304	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	177101	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	74038	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	75849	49.158	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.320%		
35) Dibromofluoromethane	5.397	113	61849	47.864	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.720%		
50) Toluene-d8	8.653	98	231547	49.875	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	99.740%		
62) 4-Bromofluorobenzene	11.079	95	69498	40.159	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	80.320%		
Target Compounds						Qvalue
52) Toluene	8.720	92	84079	24.568	ug/l	100
67) Ethyl Benzene	10.195	91	5327342	779.902	ug/l	96
68) m/p-Xylenes	10.311	106	6022463	2366.194	ug/l	90
69) o-Xylene	10.646	106	1591863	667.362	ug/l	96
73) Isopropylbenzene	10.963	105	33749	6.189	ug/l	100

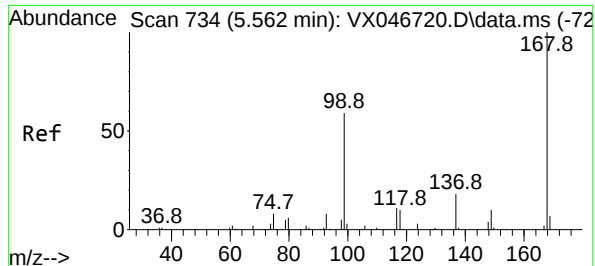
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Time: Jun 24 04:07:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



#1
Pentafluorobenzene

Concen: 50.000 ug/l

RT: 5.568 min Scan# 71

Delta R.T. 0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

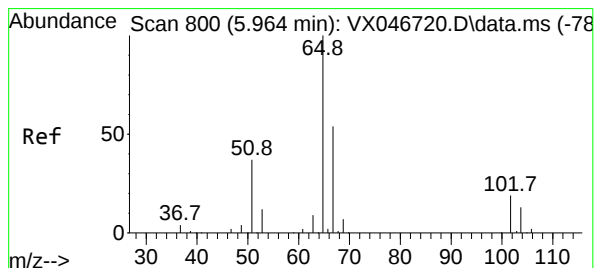
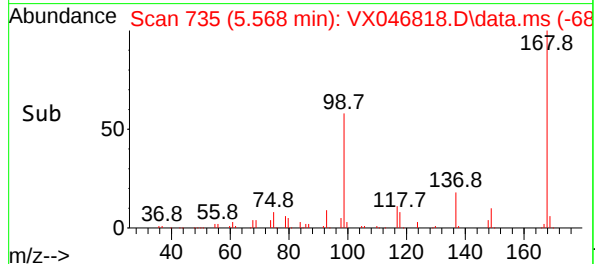
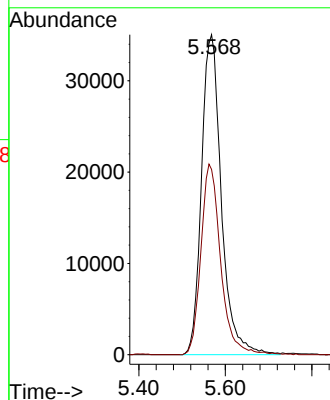
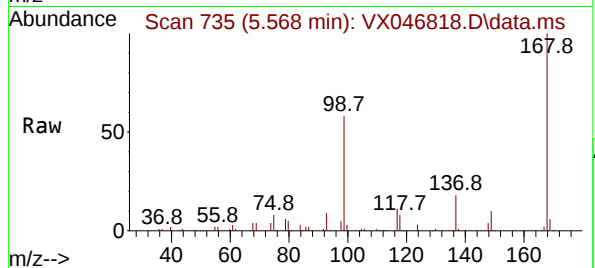
BBX42025

Tgt Ion:168 Resp: 111553

Ion Ratio Lower Upper

168 100

99 57.9 48.5 72.7



#33

1,2-Dichloroethane-d4

Concen: 49.158 ug/l

RT: 5.964 min Scan# 800

Delta R.T. -0.000 min

Lab File: VX046818.D

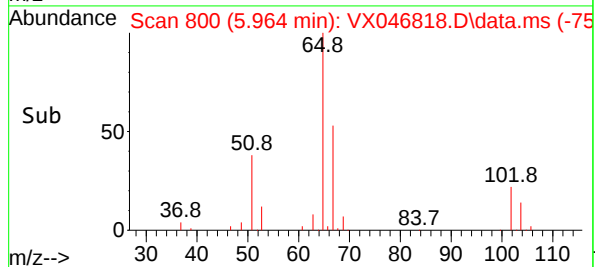
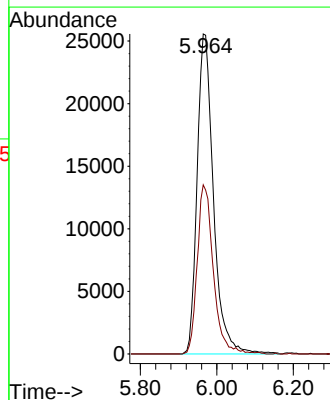
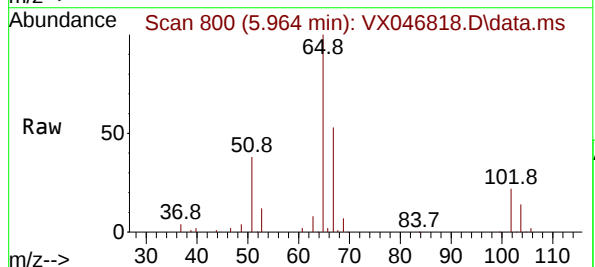
Acq: 23 Jun 2025 14:28

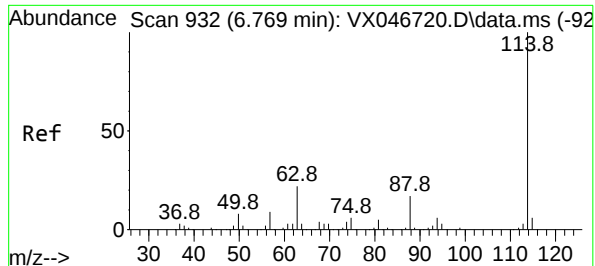
Tgt Ion: 65 Resp: 75849

Ion Ratio Lower Upper

65 100

67 52.1 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

BBX42025

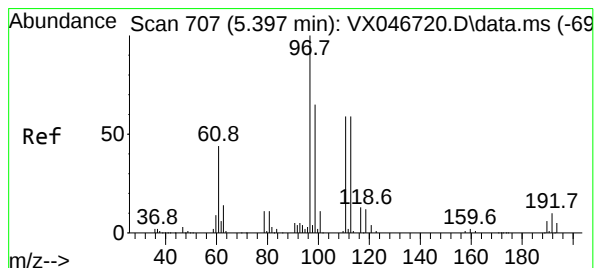
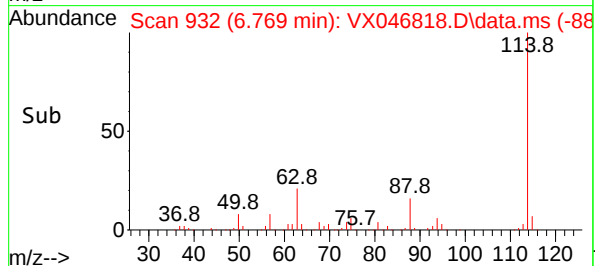
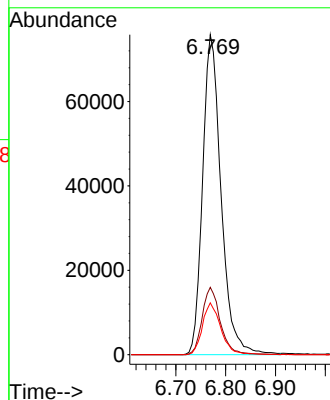
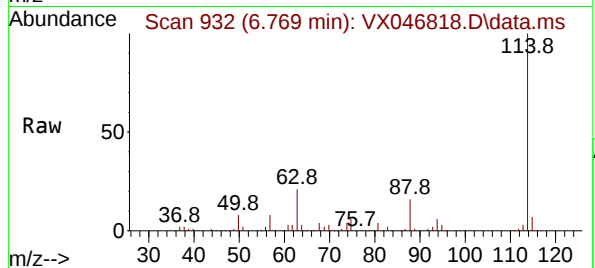
Tgt Ion:114 Resp: 195304

Ion Ratio Lower Upper

114 100

63 21.1 0.0 44.2

88 16.2 0.0 33.2



#35

Dibromofluoromethane

Concen: 47.864 ug/l

RT: 5.397 min Scan# 707

Delta R.T. -0.000 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

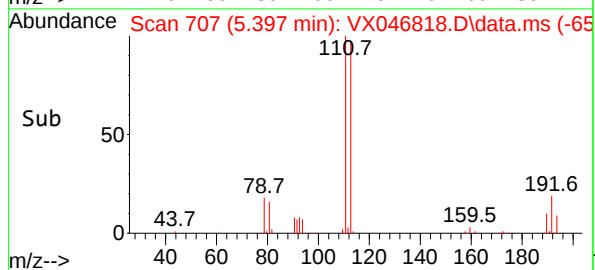
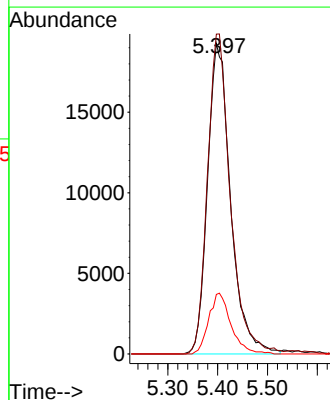
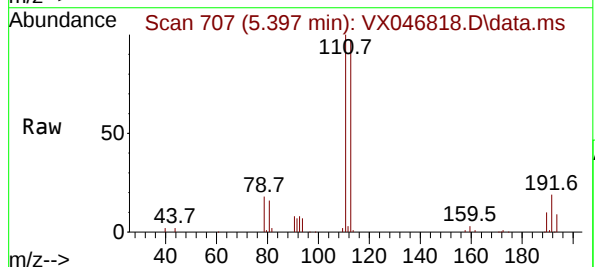
Tgt Ion:113 Resp: 61849

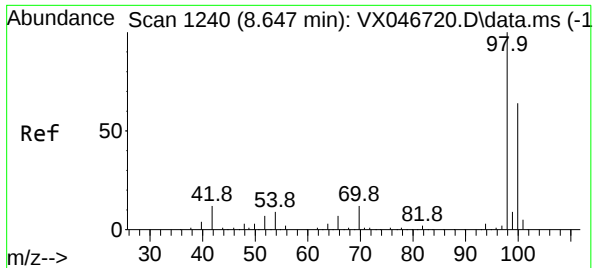
Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 19.0 15.3 22.9





#50

Toluene-d8

Concen: 49.875 ug/l

RT: 8.653 min Scan# 1241

Delta R.T. 0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

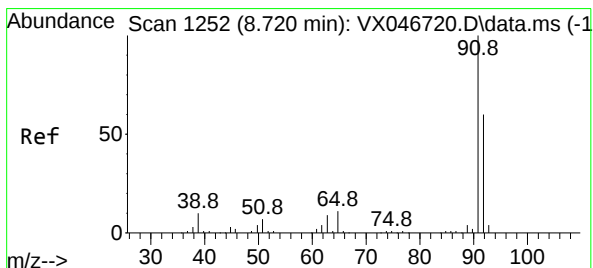
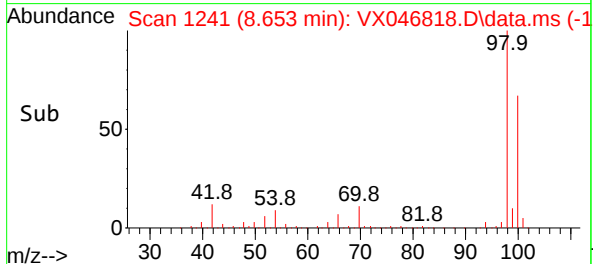
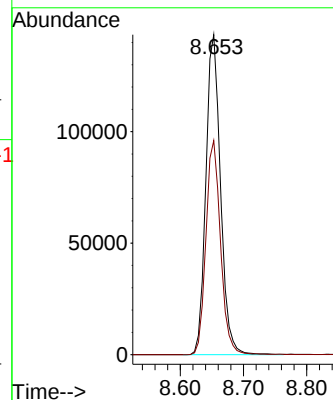
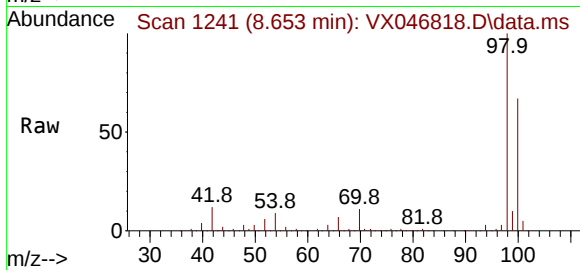
BBX42025

Tgt Ion: 98 Resp: 231547

Ion Ratio Lower Upper

98 100

100 66.6 53.0 79.4



#52

Toluene

Concen: 24.568 ug/l

RT: 8.720 min Scan# 1252

Delta R.T. -0.000 min

Lab File: VX046818.D

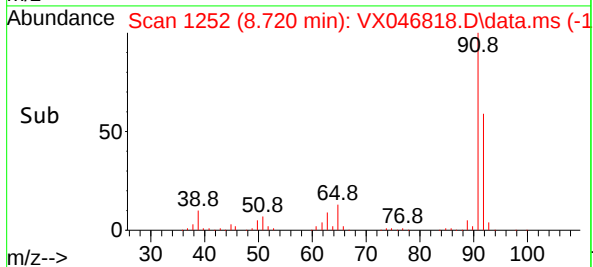
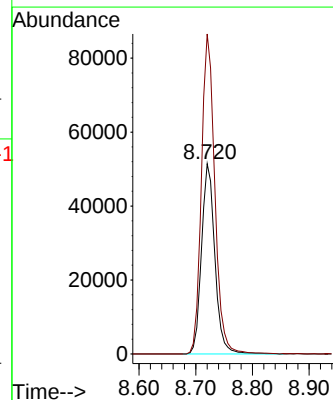
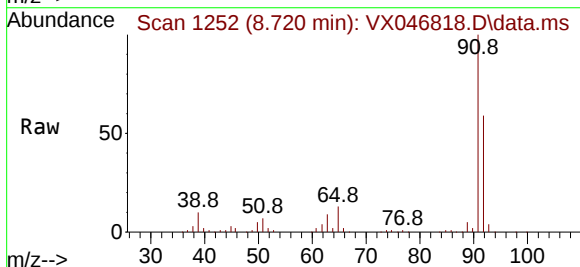
Acq: 23 Jun 2025 14:28

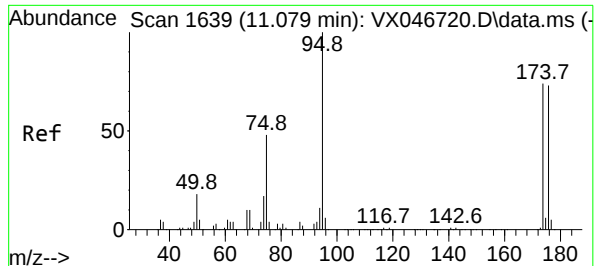
Tgt Ion: 92 Resp: 84079

Ion Ratio Lower Upper

92 100

91 169.0 134.8 202.2

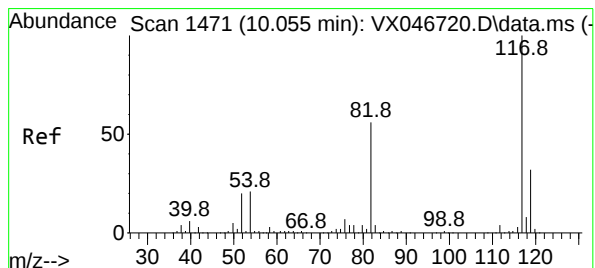
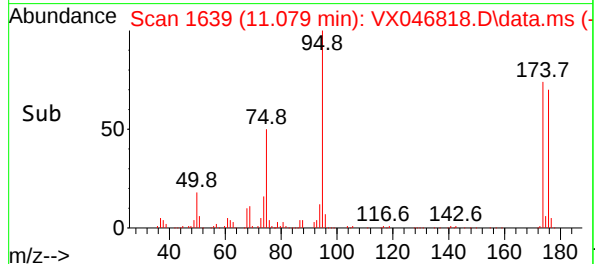
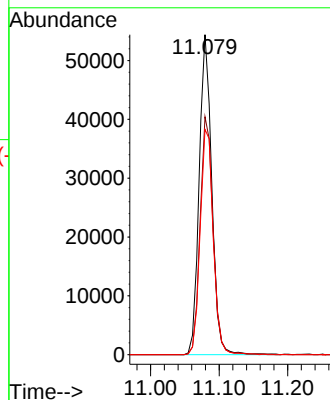
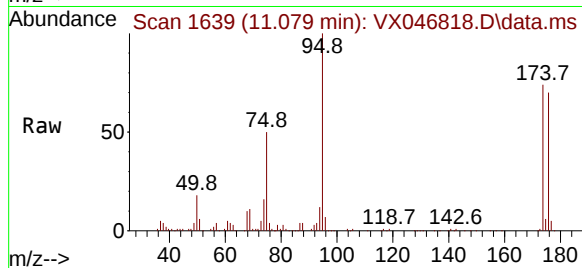




#62
4-Bromofluorobenzene
Concen: 40.159 ug/l
RT: 11.079 min Scan# 1639
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

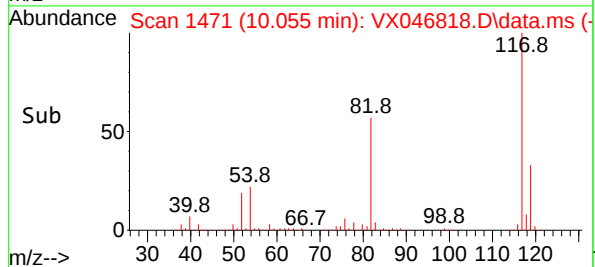
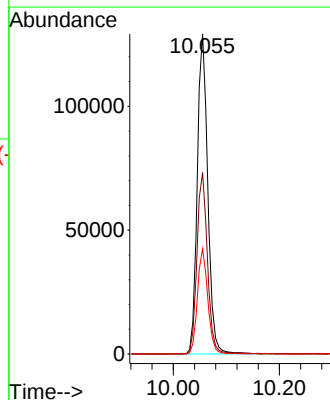
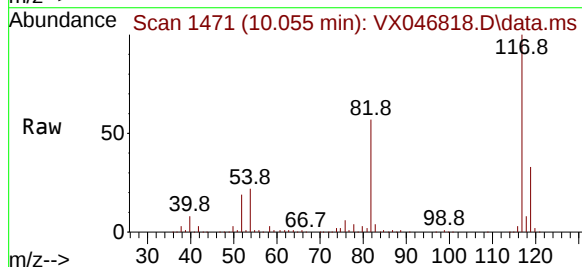
Instrument :
MSVOA_X
ClientSampleId :
BBX42025

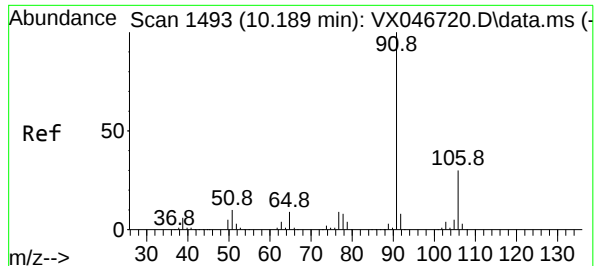
Tgt Ion: 95 Resp: 69498
Ion Ratio Lower Upper
95 100
174 76.5 0.0 150.4
176 73.3 0.0 145.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.055 min Scan# 1471
Delta R.T. -0.000 min
Lab File: VX046818.D
Acq: 23 Jun 2025 14:28

Tgt Ion: 117 Resp: 177101
Ion Ratio Lower Upper
117 100
82 56.6 44.6 66.8
119 32.9 25.8 38.8





#67

Ethyl Benzene

Concen: 779.902 ug/l

RT: 10.195 min Scan# 1493

Delta R.T. 0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

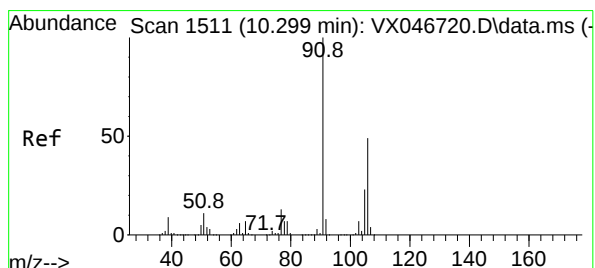
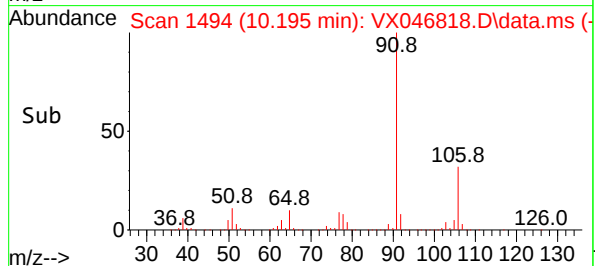
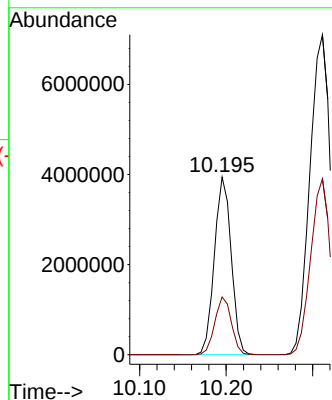
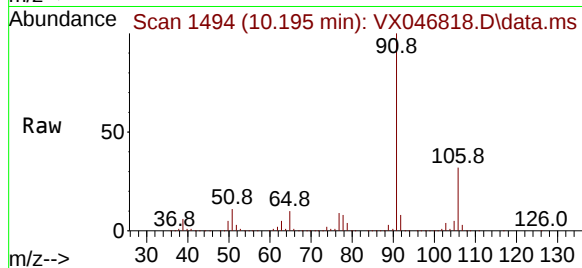
BBX42025

Tgt Ion: 91 Resp: 5327342

Ion Ratio Lower Upper

91 100

106 32.5 24.2 36.2



#68

m/p-Xylenes

Concen: 2366.194 ug/l

RT: 10.311 min Scan# 1513

Delta R.T. 0.012 min

Lab File: VX046818.D

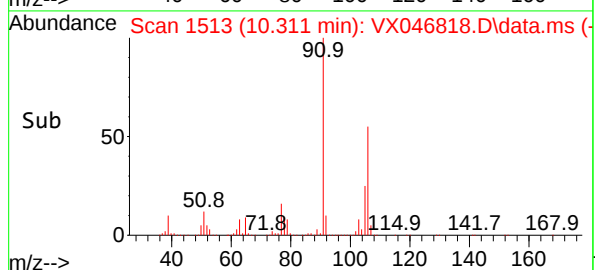
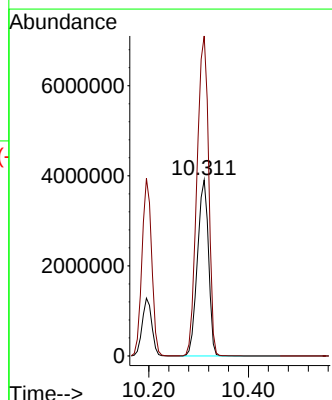
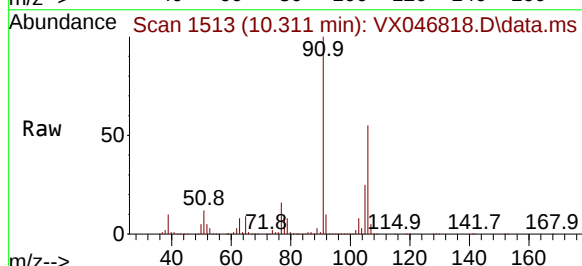
Acq: 23 Jun 2025 14:28

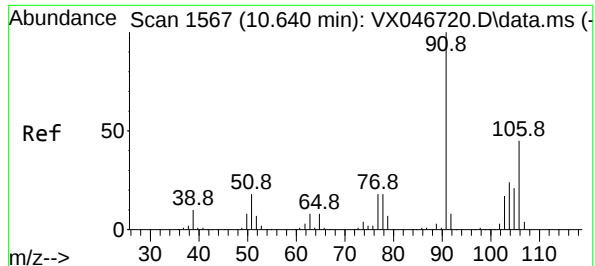
Tgt Ion: 106 Resp: 6022463

Ion Ratio Lower Upper

106 100

91 191.1 164.8 247.2





#69

o-Xylene

Concen: 667.362 ug/l

RT: 10.646 min Scan# 1567

Delta R.T. 0.006 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

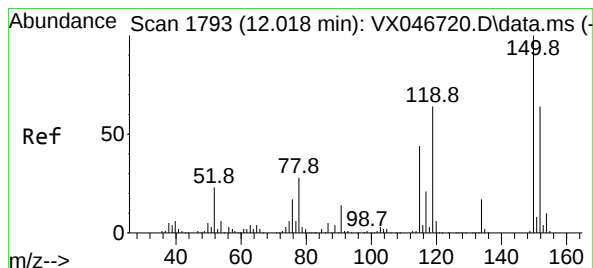
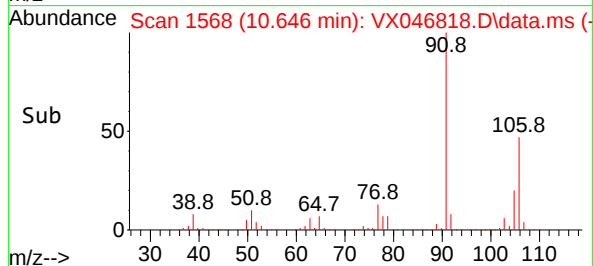
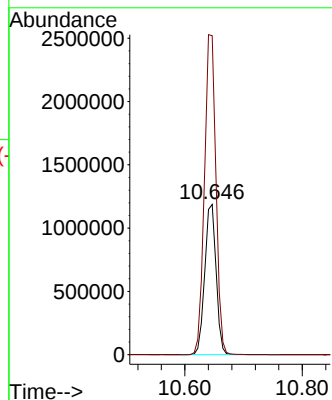
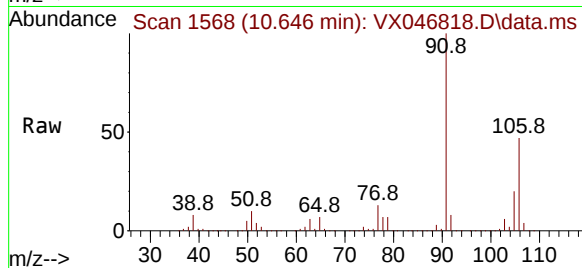
BBX42025

Tgt Ion:106 Resp: 1591863

Ion Ratio Lower Upper

106 100

91 216.1 111.3 333.9



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046818.D

Acq: 23 Jun 2025 14:28

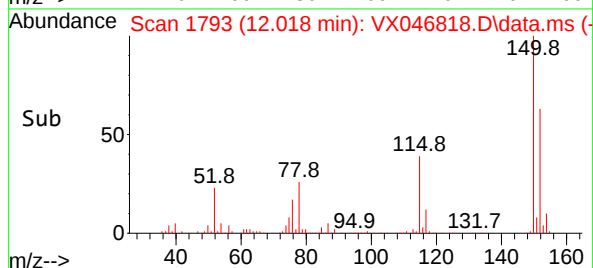
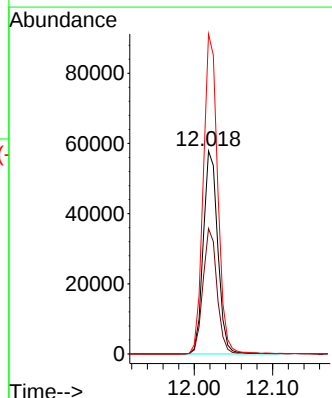
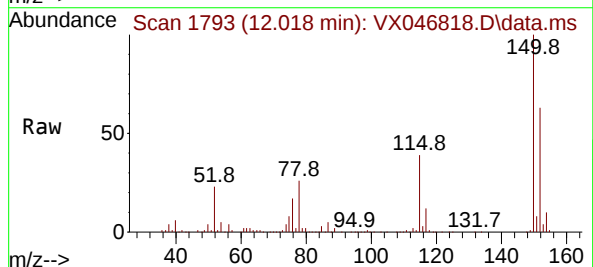
Tgt Ion:152 Resp: 74038

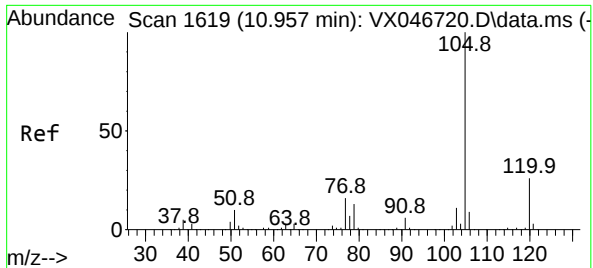
Ion Ratio Lower Upper

152 100

115 60.6 43.2 129.6

150 157.4 0.0 346.8





#73

Isopropylbenzene

Concen: 6.189 ug/l

RT: 10.963 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046818.D

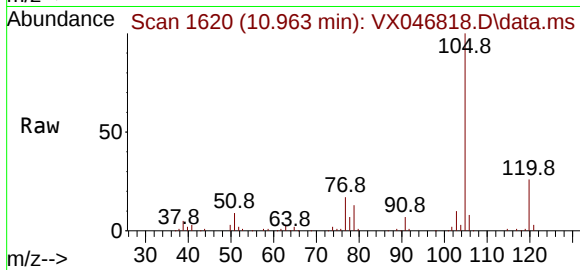
Acq: 23 Jun 2025 14:28

Instrument :

MSVOA_X

ClientSampleId :

BBX42025

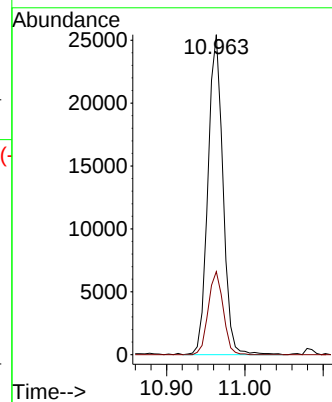
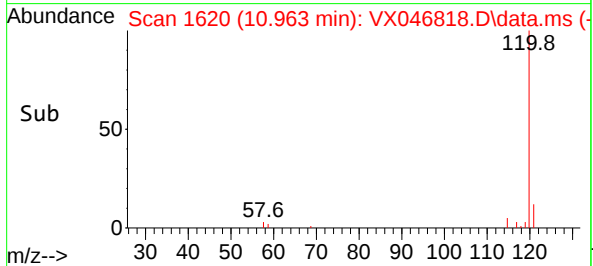


Tgt Ion:105 Resp: 33749

Ion Ratio Lower Upper

105 100

120 25.8 13.0 39.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

A

B

C

D

E

F

G

H

I

J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Title : SW846 8260

Signal : TIC: VX046818.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	6.769	923	932	953	rBV	175172	450262	1.28%	0.760%
2	8.653	1235	1241	1247	rBV	381636	611249	1.73%	1.032%
3	10.055	1466	1471	1482	rVB	392536	530874	1.51%	0.896%
4	10.195	1488	1494	1505	rBV	9260788	12317743	34.95%	20.798%
5	10.311	1505	1513	1518	rBV	22643798	35242034	100.00%	59.504%
6	10.640	1561	1567	1583	rVB	7125399	9621866	27.30%	16.246%
7	12.018	1788	1793	1800	rBV	356232	452784	1.28%	0.764%

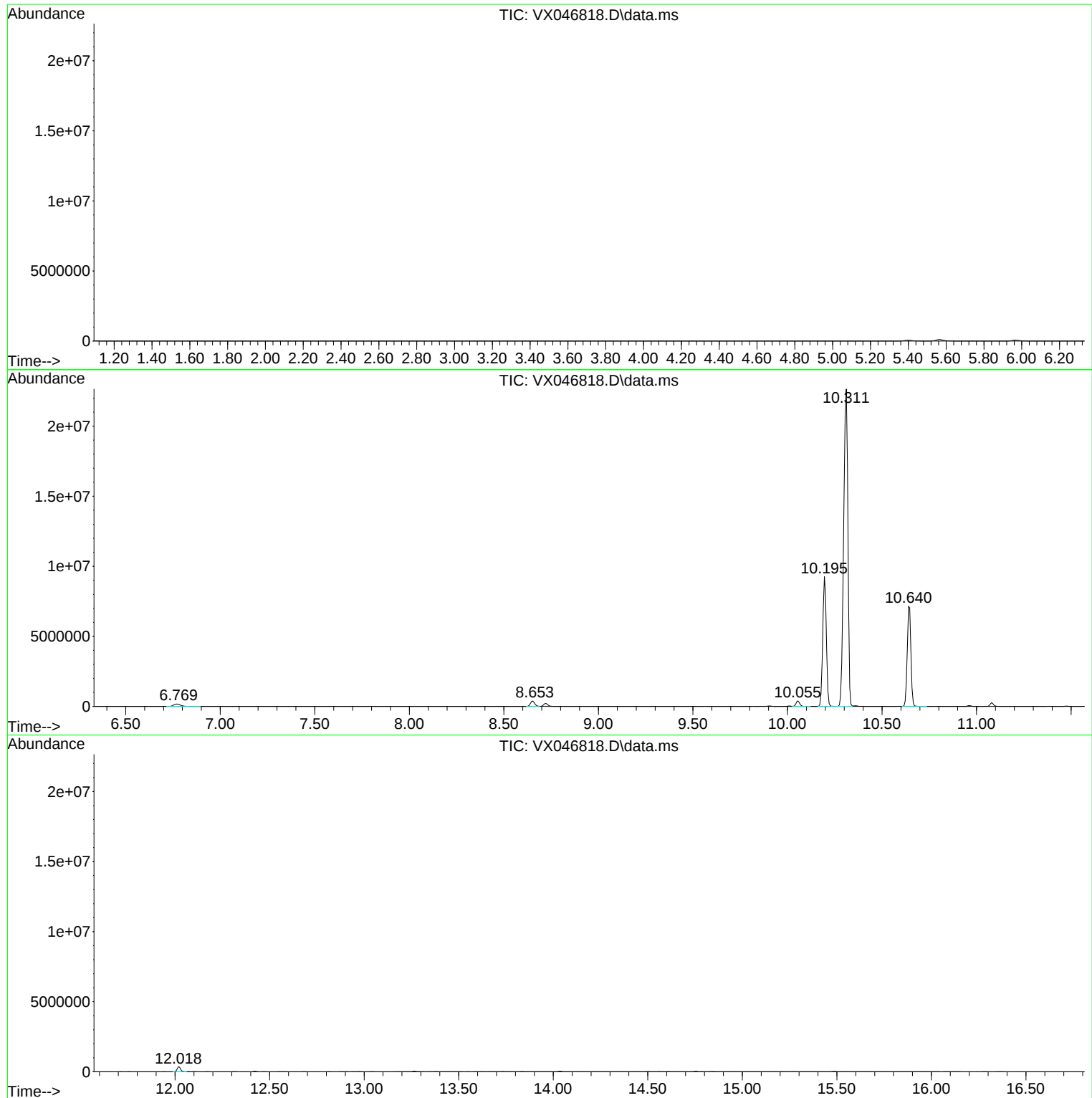
Sum of corrected areas: 59226812

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046818.D
Acq On : 23 Jun 2025 14:28
Operator : JC/MD
Sample : Q2371-05 40X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046825.D
 Acq On : 23 Jun 2025 16:59
 Operator : JC/MD
 Sample : Q2371-05DL 1500X
 Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 BBX42025DL

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 24 04:10:25 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

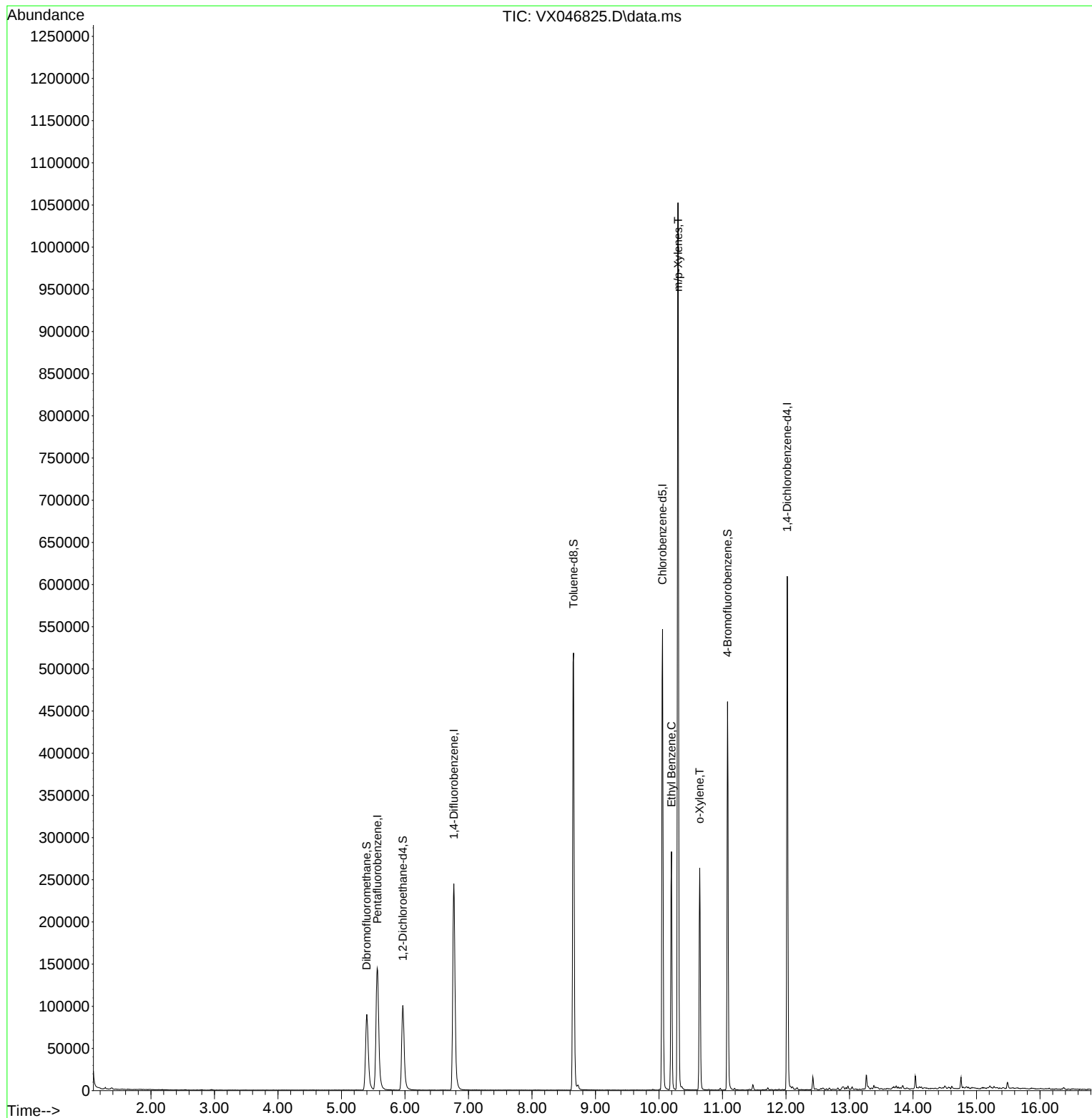
Internal Standards						
1) Pentafluorobenzene	5.562	168	152903	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	268363	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	246351	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	124245	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.964	65	102634	48.529	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.060%
35) Dibromofluoromethane	5.397	113	85509	48.158	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.320%
50) Toluene-d8	8.653	98	321612	50.415	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.840%
62) 4-Bromofluorobenzene	11.079	95	122699	51.599	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.200%
Target Compounds						
					Qvalue	
67) Ethyl Benzene	10.195	91	160219	16.862	ug/l	100
68) m/p-Xylenes	10.299	106	235578	66.539	ug/l	99
69) o-Xylene	10.640	106	57218	17.245	ug/l	100

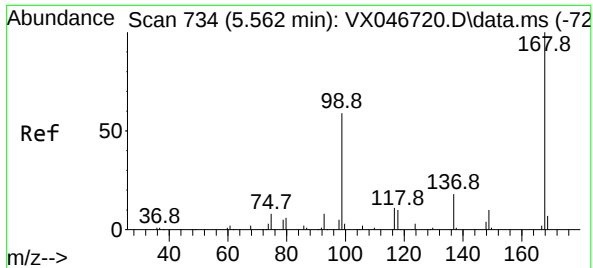
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046825.D
Acq On : 23 Jun 2025 16:59
Operator : JC/MD
Sample : Q2371-05DL 1500X
Misc : 7.35g/5mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 23 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

Quant Time: Jun 24 04:10:25 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

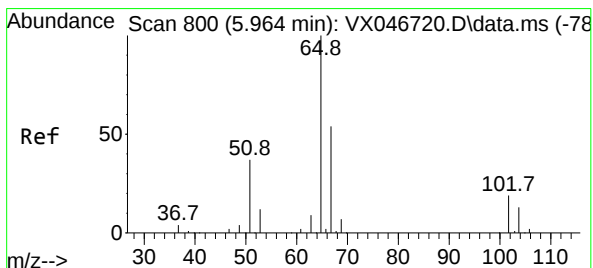
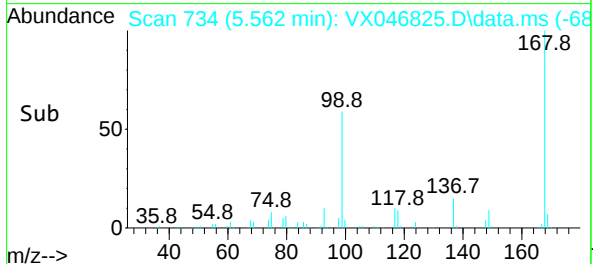
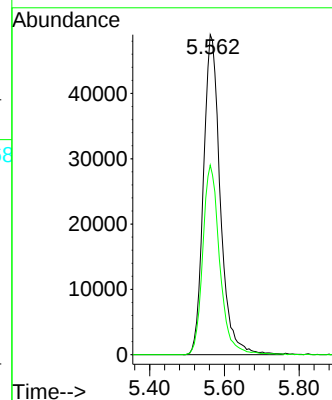
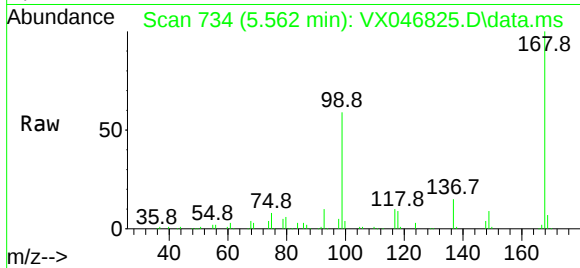




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.562 min Scan# 71
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

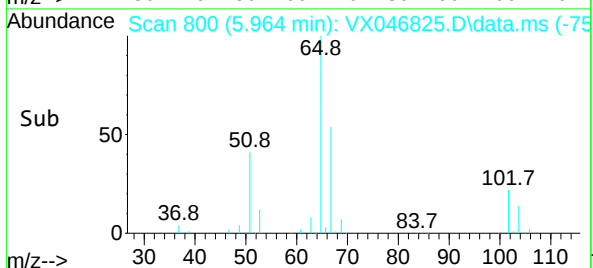
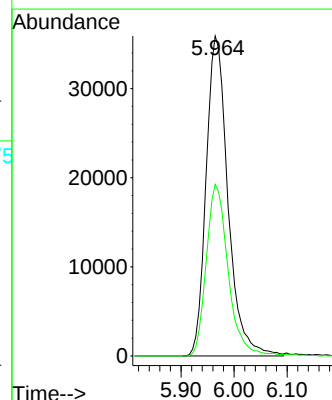
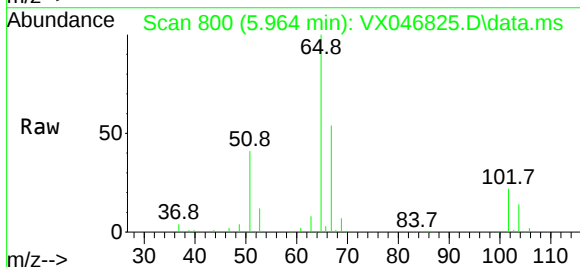
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

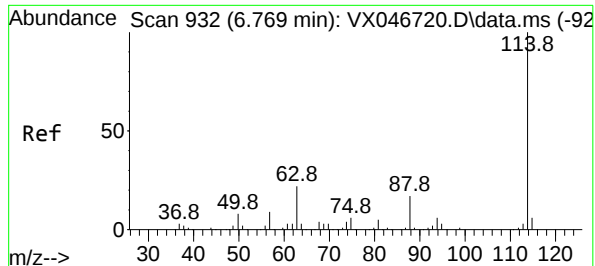
Tgt Ion:168 Resp: 152903
Ion Ratio Lower Upper
168 100
99 59.2 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 48.529 ug/l
RT: 5.964 min Scan# 800
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion: 65 Resp: 102634
Ion Ratio Lower Upper
65 100
67 54.0 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.769 min Scan# 91

Delta R.T. 0.000 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

BBX42025DL

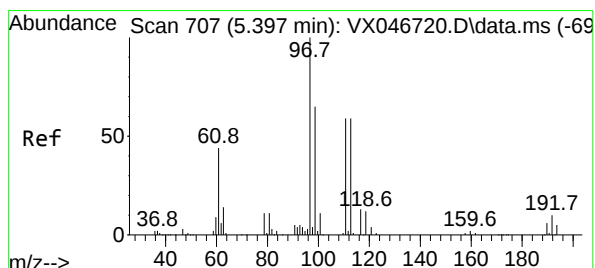
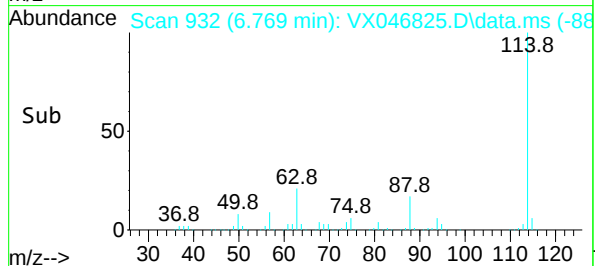
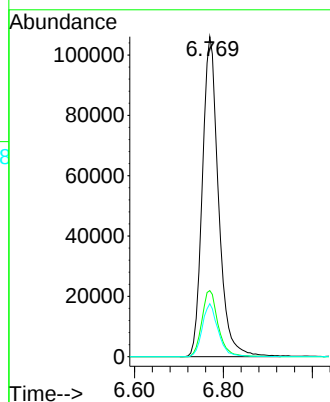
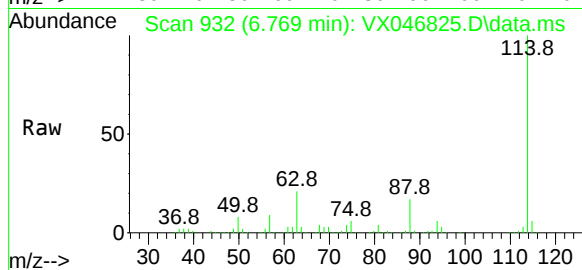
Tgt Ion:114 Resp: 268363

Ion Ratio Lower Upper

114 100

63 20.6 0.0 44.2

88 16.5 0.0 33.2



#35

Dibromofluoromethane

Concen: 48.158 ug/l

RT: 5.397 min Scan# 707

Delta R.T. 0.000 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

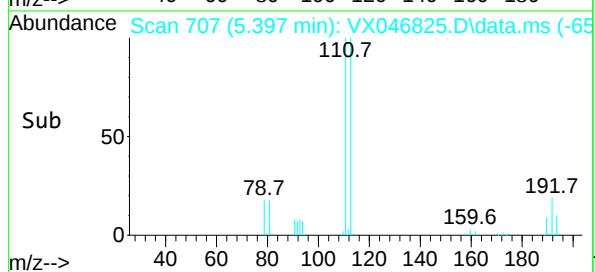
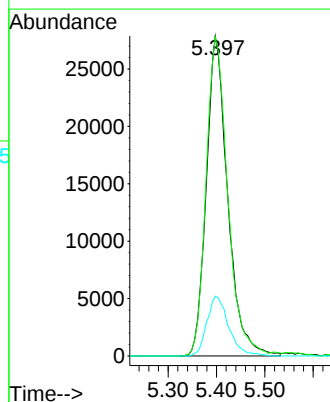
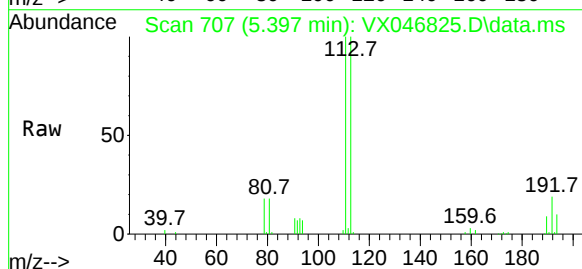
Tgt Ion:113 Resp: 85509

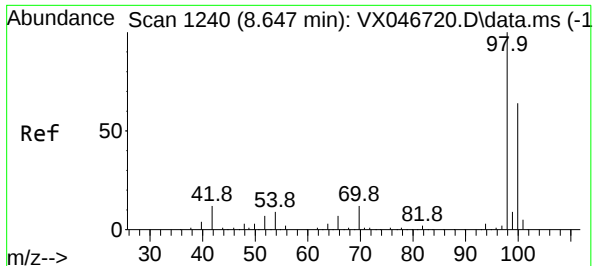
Ion Ratio Lower Upper

113 100

111 101.1 82.0 123.0

192 19.1 15.3 22.9





#50

Toluene-d8

Concen: 50.415 ug/l

RT: 8.653 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

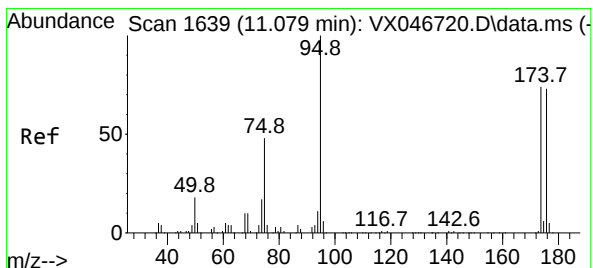
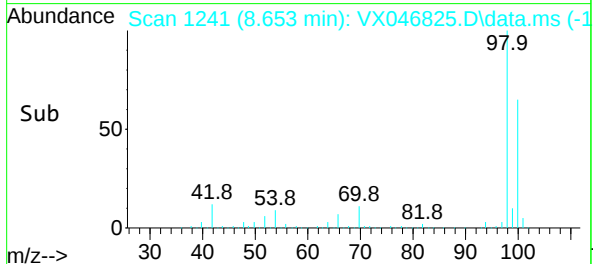
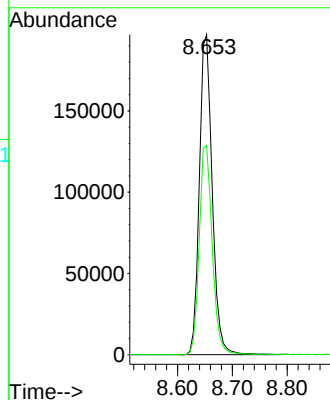
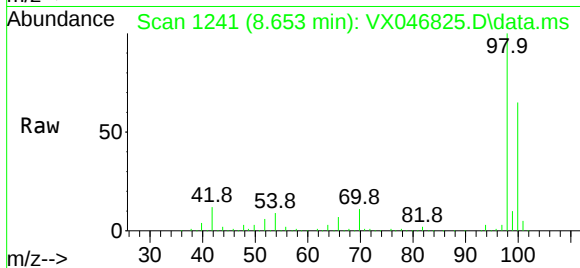
BBX42025DL

Tgt Ion: 98 Resp: 321612

Ion Ratio Lower Upper

98 100

100 66.2 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 51.599 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. 0.000 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

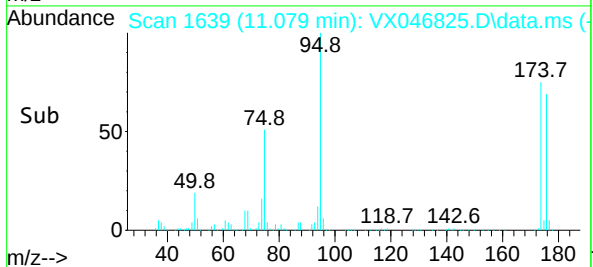
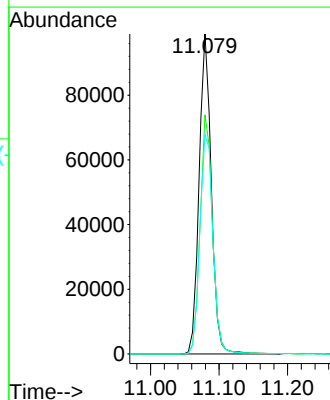
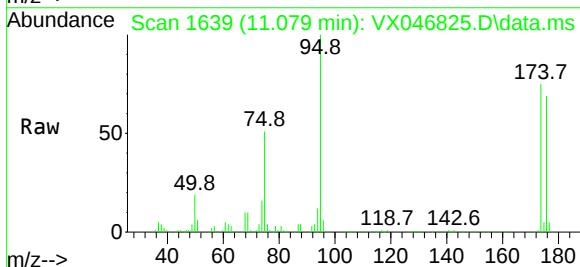
Tgt Ion: 95 Resp: 122699

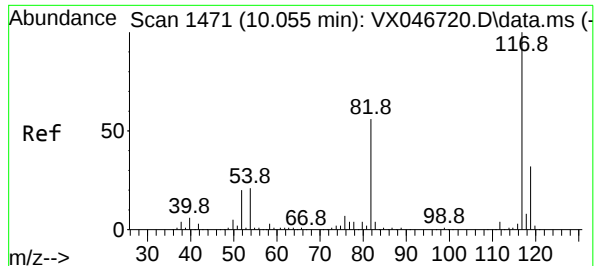
Ion Ratio Lower Upper

95 100

174 76.3 0.0 150.4

176 73.9 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.055 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VX046825.D

Acq: 23 Jun 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

BBX42025DL

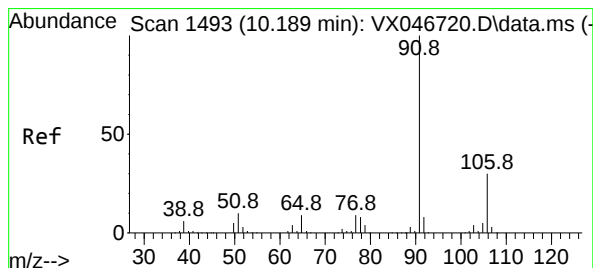
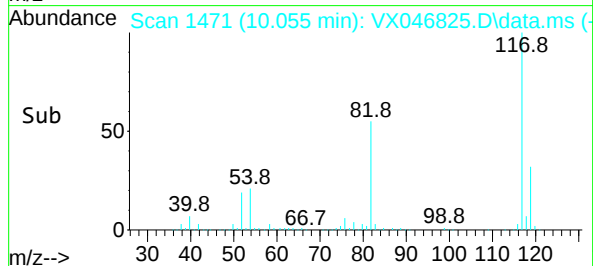
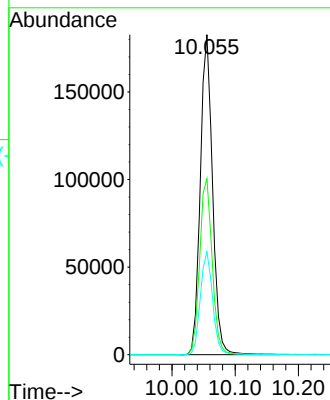
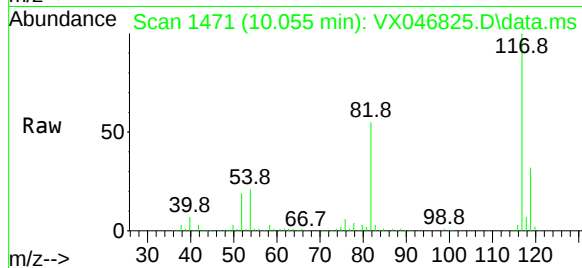
Tgt Ion:117 Resp: 246351

Ion Ratio Lower Upper

117 100

82 55.0 44.6 66.8

119 32.2 25.8 38.8



#67

Ethyl Benzene

Concen: 16.862 ug/l

RT: 10.195 min Scan# 1494

Delta R.T. 0.006 min

Lab File: VX046825.D

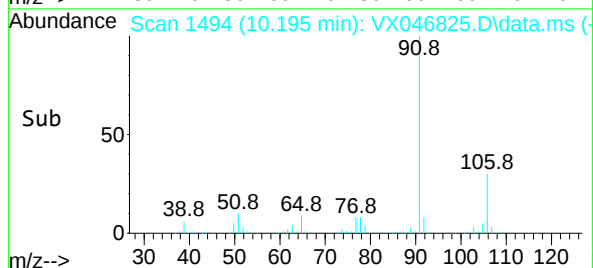
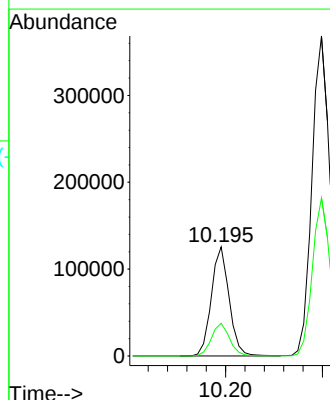
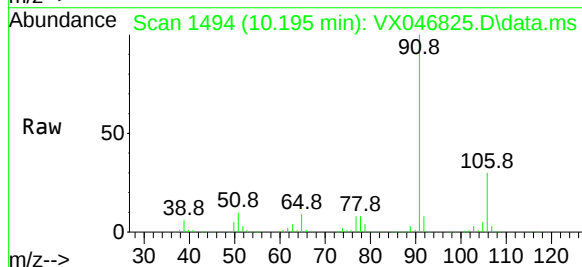
Acq: 23 Jun 2025 16:59

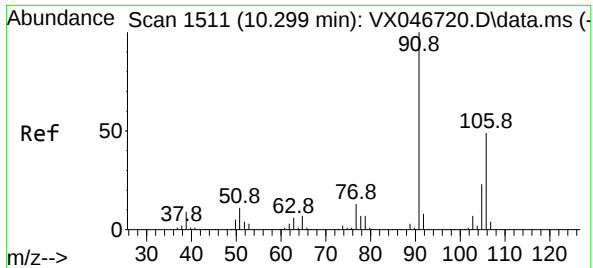
Tgt Ion: 91 Resp: 160219

Ion Ratio Lower Upper

91 100

106 29.9 24.2 36.2

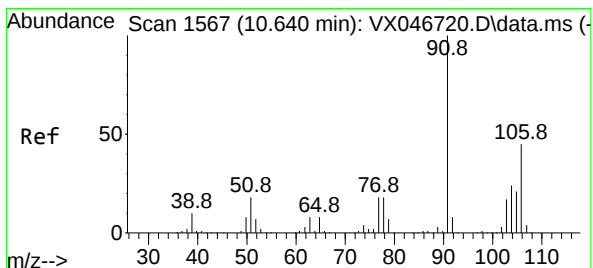
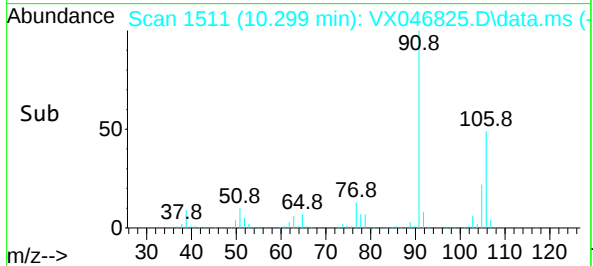
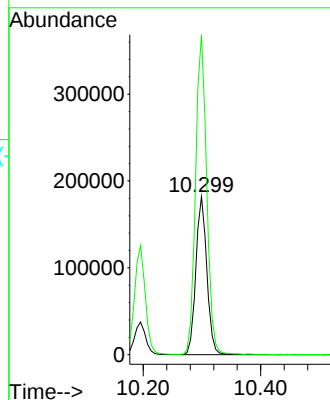
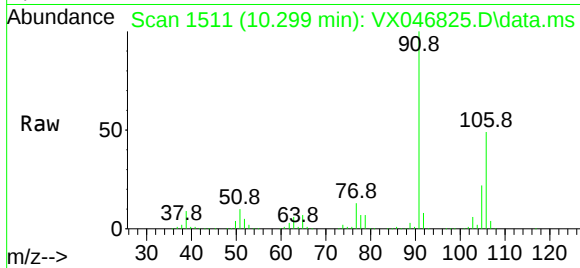




#68
m/p-Xylenes
Concen: 66.539 ug/l
RT: 10.299 min Scan# 1511
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

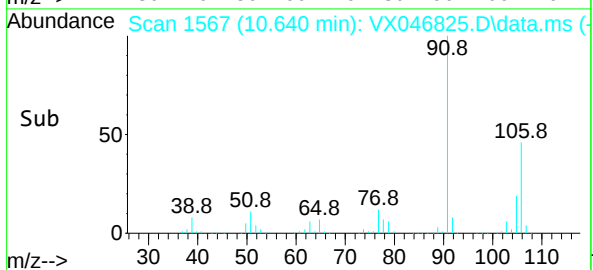
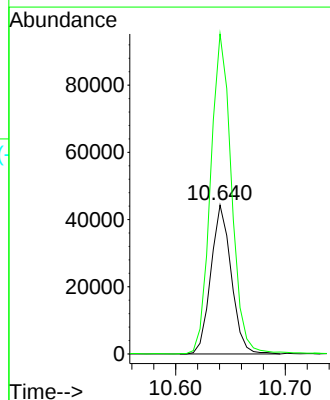
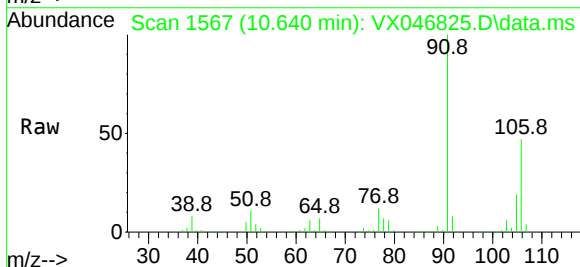
Instrument :
MSVOA_X
ClientSampleId :
BBX42025DL

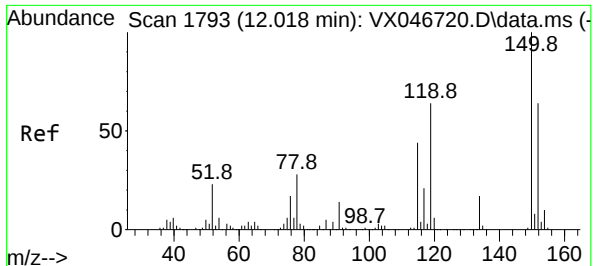
Tgt Ion:106 Resp: 235578
Ion Ratio Lower Upper
106 100
91 204.4 164.8 247.2



#69
o-Xylene
Concen: 17.245 ug/l
RT: 10.640 min Scan# 1567
Delta R.T. 0.000 min
Lab File: VX046825.D
Acq: 23 Jun 2025 16:59

Tgt Ion:106 Resp: 57218
Ion Ratio Lower Upper
106 100
91 221.8 111.3 333.9





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 11

Delta R.T. 0.000 min

Lab File: VX046825.D

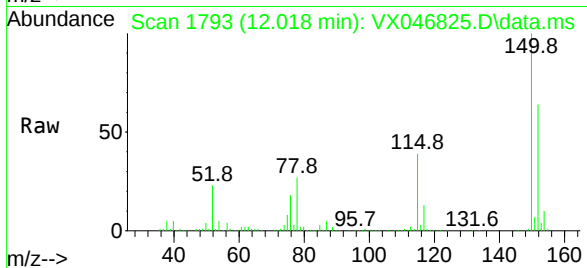
Acq: 23 Jun 2025 16:59

Instrument :

MSVOA_X

ClientSampleId :

BBX42025DL



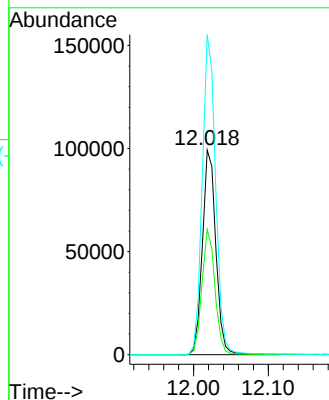
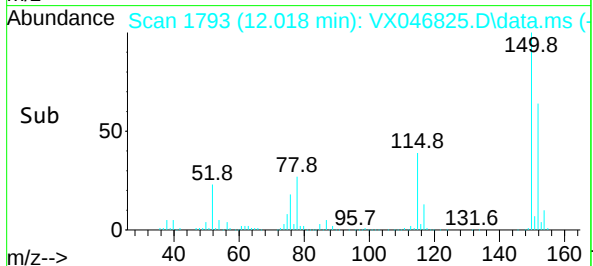
Tgt Ion:152 Resp: 124245

Ion Ratio Lower Upper

152 100

115 59.5 43.2 129.6

150 155.9 0.0 346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022846.D
 Acq On : 26 Jun 2025 13:43
 Operator : SY/MD
 Sample : Q2371-06
 Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GBUFF1

A
B
C
D
E
F
G
H
I
J

Quant Time: Jun 27 01:28:01 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)

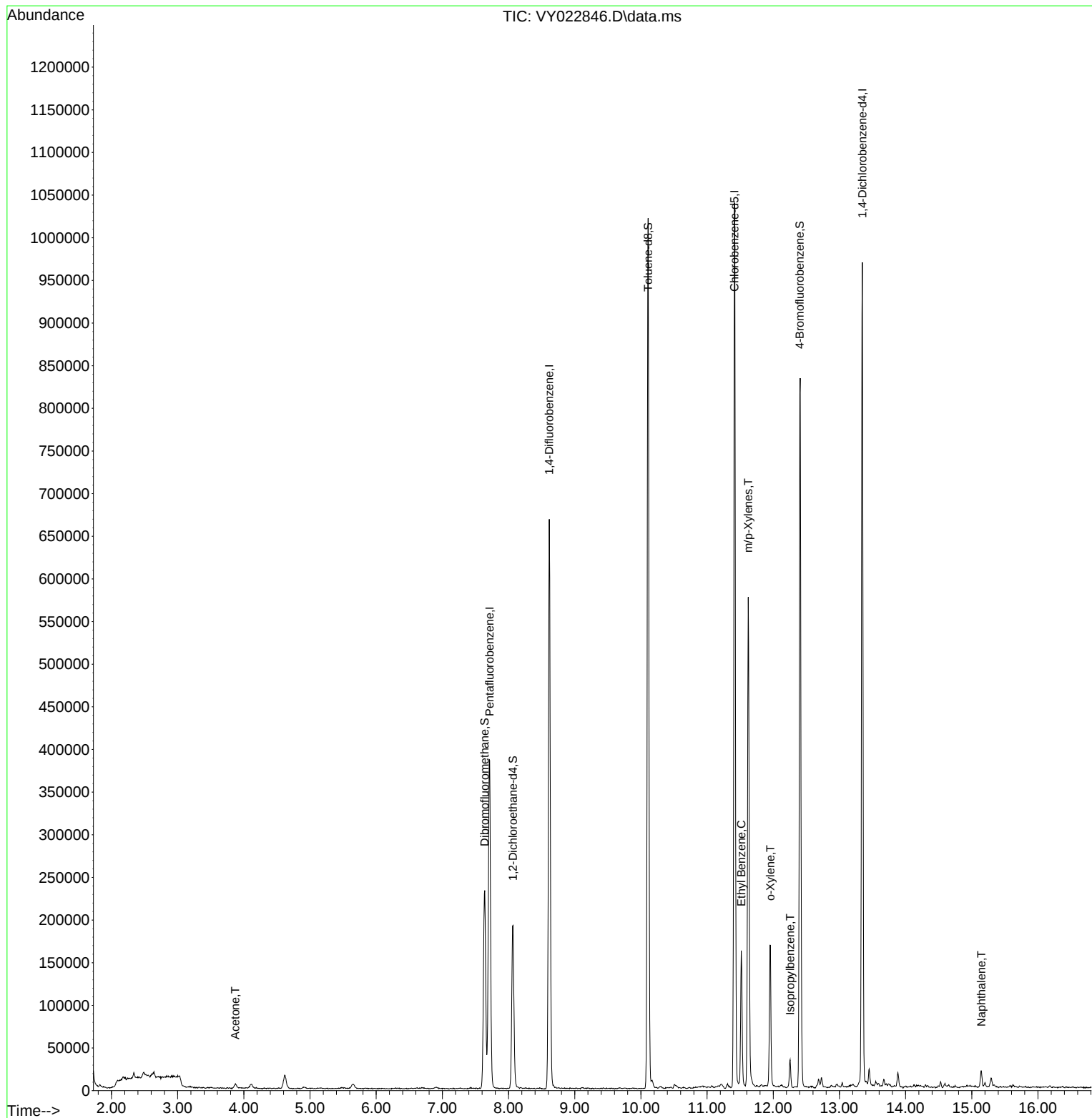
Internal Standards						
1) Pentafluorobenzene	7.713	168	299952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	553421	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	528624	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	237063	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	152936	45.683	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	91.360%
35) Dibromofluoromethane	7.640	113	166264	49.400	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	98.800%
50) Toluene-d8	10.109	98	659006	49.344	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	98.680%
62) 4-Bromofluorobenzene	12.402	95	234092	54.525	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	109.040%
Target Compounds						
					Qvalue	
16) Acetone	3.873	43	8951	14.146	ug/l	99
67) Ethyl Benzene	11.518	91	105490	5.169	ug/l	98
68) m/p-Xylenes	11.621	106	162120	20.550	ug/l	98
69) o-Xylene	11.956	106	42090	5.662	ug/l	93
73) Isopropylbenzene	12.255	105	18605	1.061	ug/l	99
95) Naphthalene	15.145	128	15371	2.140	ug/l	98

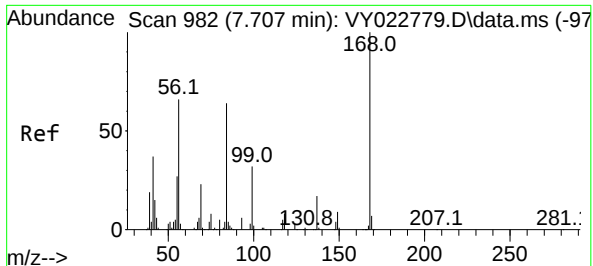
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Quant Time: Jun 27 01:28:01 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

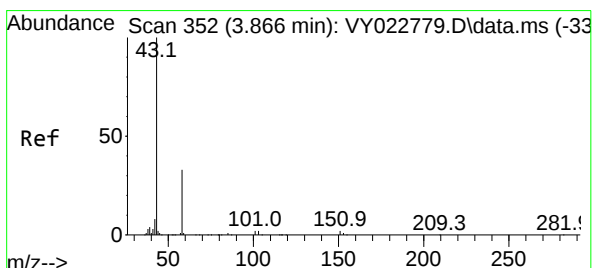
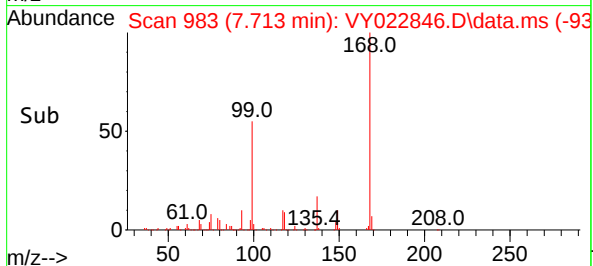
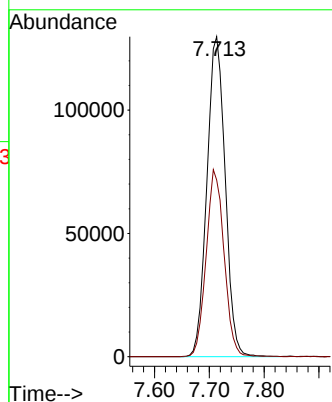
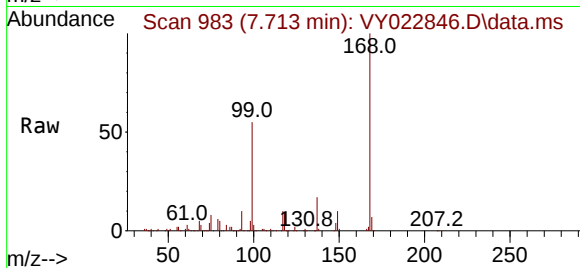




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

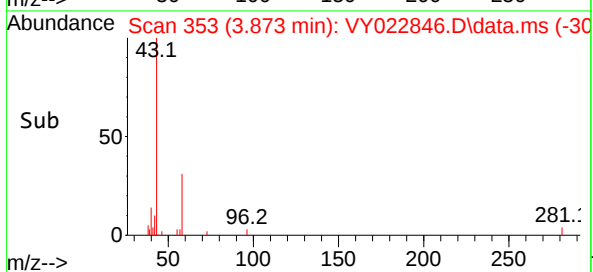
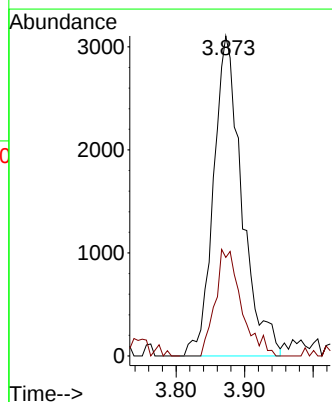
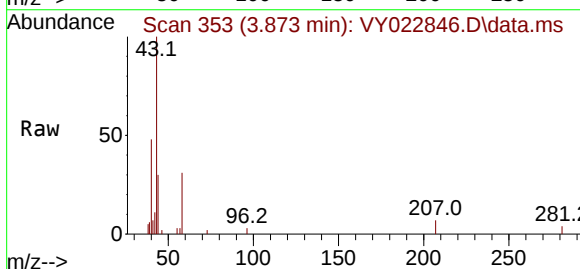
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

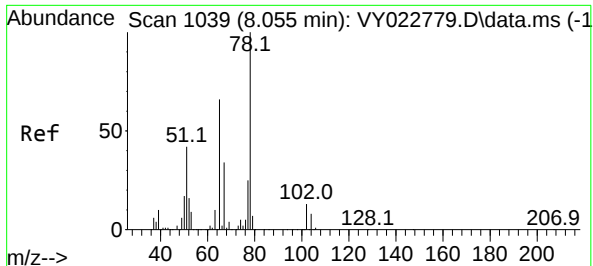
Tgt Ion:168 Resp: 299952
Ion Ratio Lower Upper
168 100
99 55.2 44.3 66.5



#16
Acetone
Concen: 14.146 ug/l
RT: 3.873 min Scan# 353
Delta R.T. -0.006 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 43 Resp: 8951
Ion Ratio Lower Upper
43 100
58 30.8 24.0 36.0





#33

1,2-Dichloroethane-d4

Concen: 45.683 ug/l

RT: 8.067 min Scan# 110

Delta R.T. -0.000 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

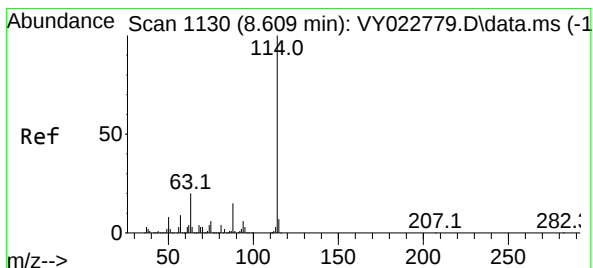
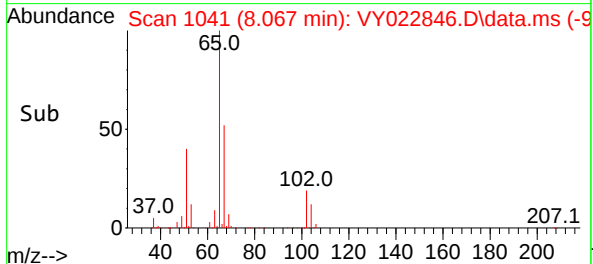
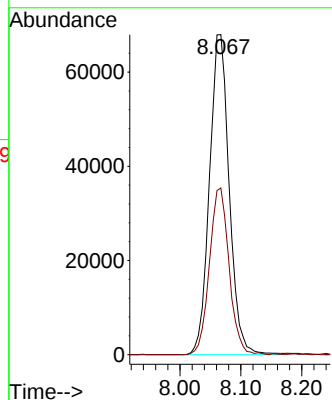
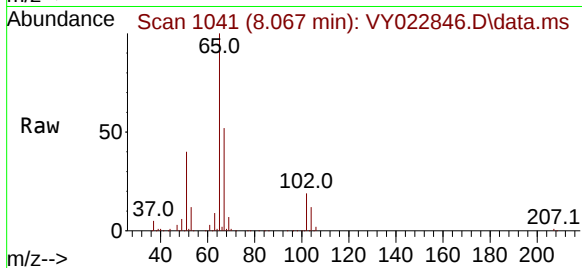
GBUFF1

Tgt Ion: 65 Resp: 152936

Ion Ratio Lower Upper

65 100

67 51.8 0.0 103.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

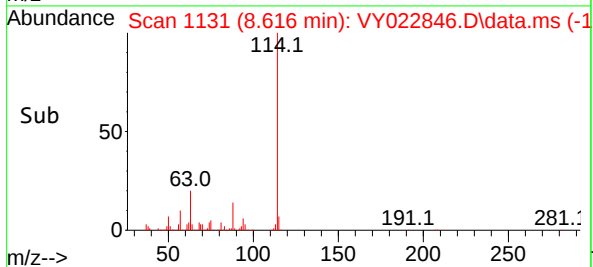
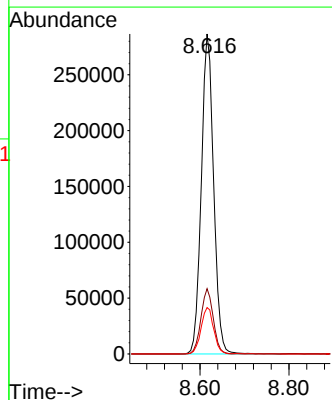
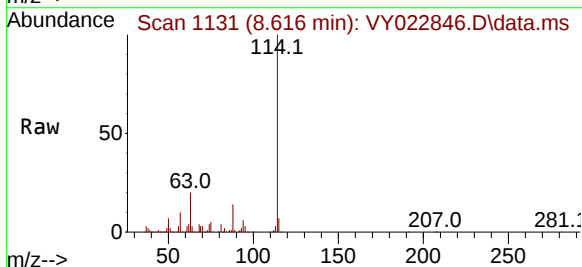
Tgt Ion: 114 Resp: 553421

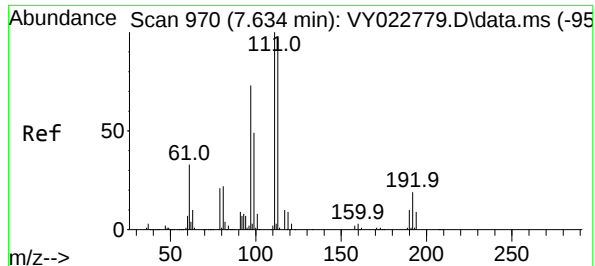
Ion Ratio Lower Upper

114 100

63 20.4 0.0 40.8

88 14.5 0.0 27.8





#35

Dibromofluoromethane

Concen: 49.400 ug/l

RT: 7.640 min Scan# 91

Delta R.T. -0.000 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

GBUFF1

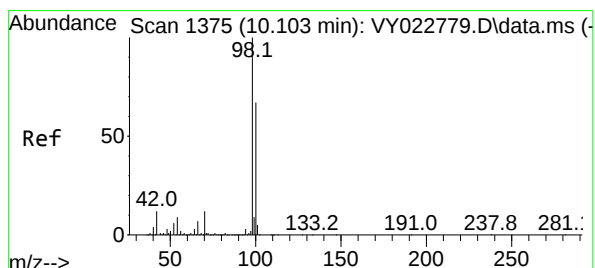
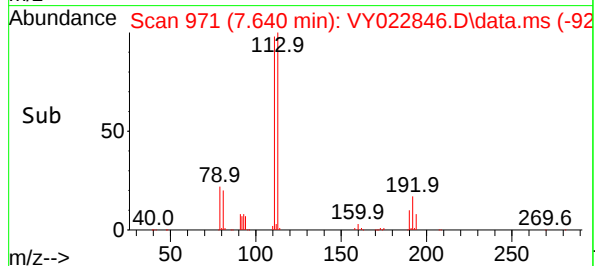
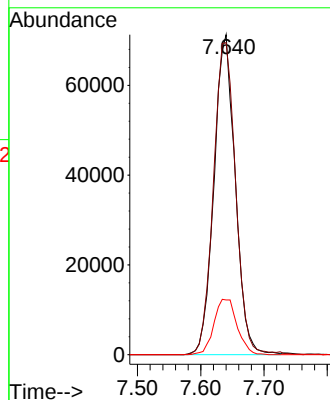
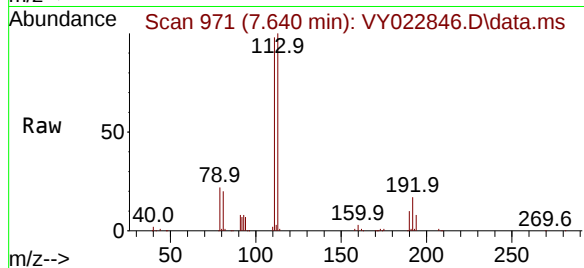
Tgt Ion:113 Resp: 166264

Ion Ratio Lower Upper

113 100

111 102.3 81.1 121.7

192 18.9 14.2 21.2



#50

Toluene-d8

Concen: 49.344 ug/l

RT: 10.109 min Scan# 1376

Delta R.T. -0.000 min

Lab File: VY022846.D

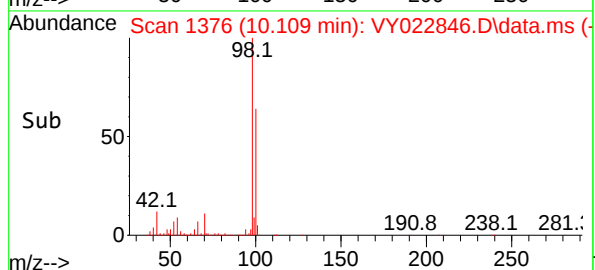
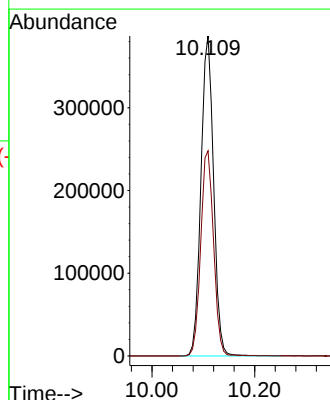
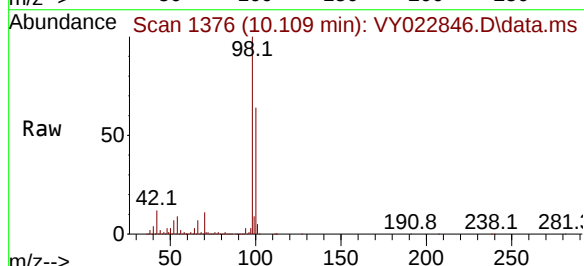
Acq: 26 Jun 2025 13:43

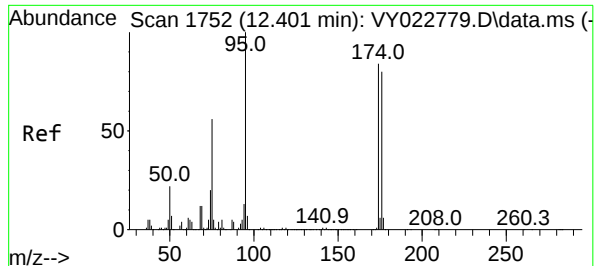
Tgt Ion: 98 Resp: 659006

Ion Ratio Lower Upper

98 100

100 65.1 51.4 77.0





#62

4-Bromofluorobenzene

Concen: 54.525 ug/l

RT: 12.402 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

GBUFF1

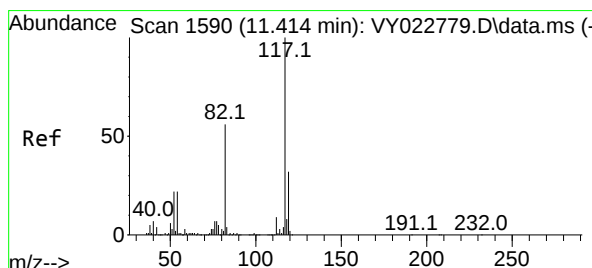
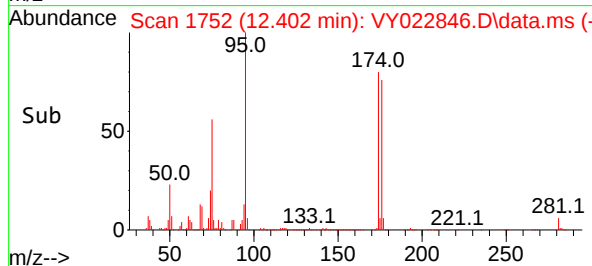
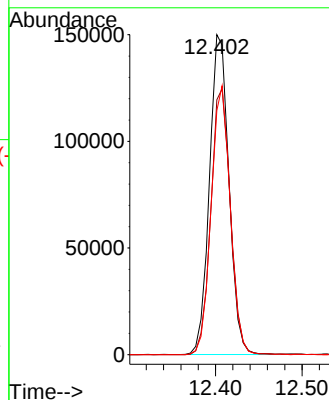
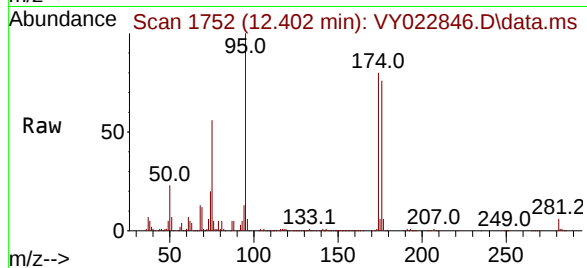
Tgt Ion: 95 Resp: 234092

Ion Ratio Lower Upper

95 100

174 83.5 0.0 170.0

176 82.5 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: VY022846.D

Acq: 26 Jun 2025 13:43

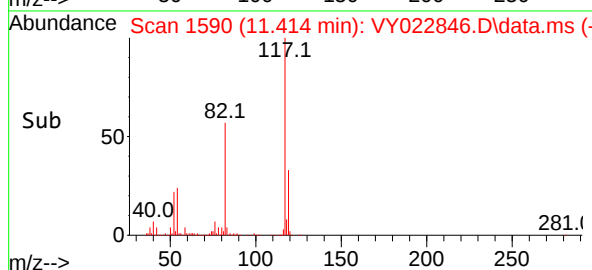
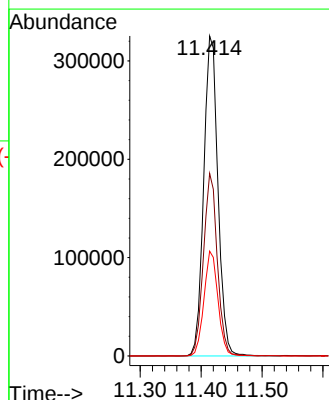
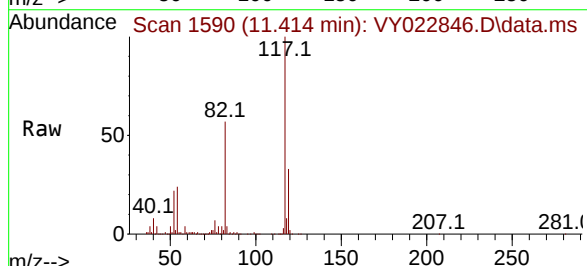
Tgt Ion: 117 Resp: 528624

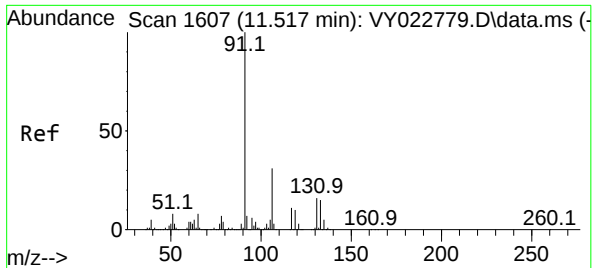
Ion Ratio Lower Upper

117 100

82 57.0 44.6 66.8

119 32.8 25.4 38.0

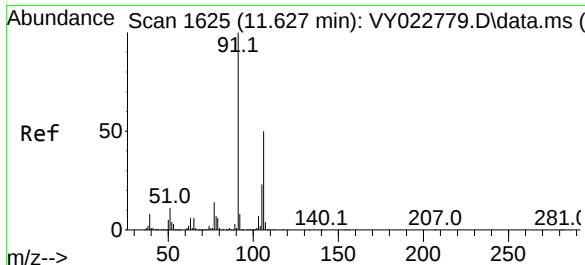
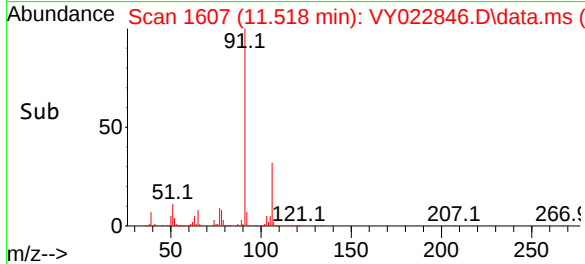
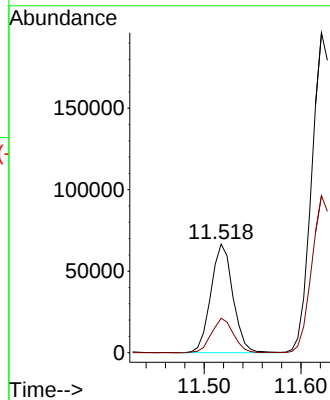
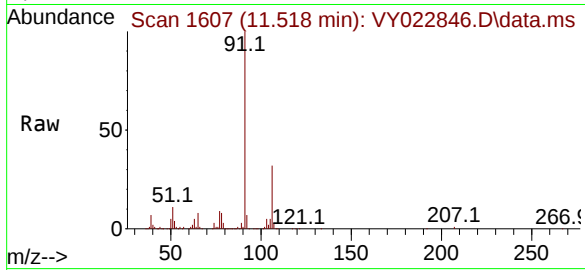




#67
Ethyl Benzene
Concen: 5.169 ug/l
RT: 11.518 min Scan# 1607
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

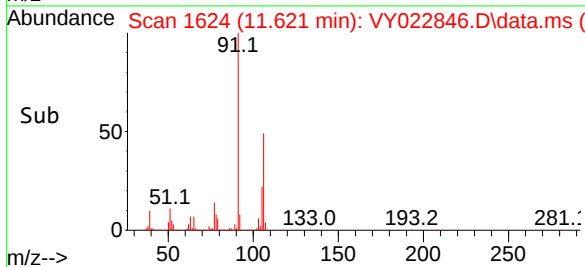
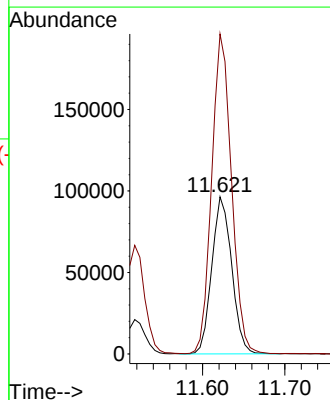
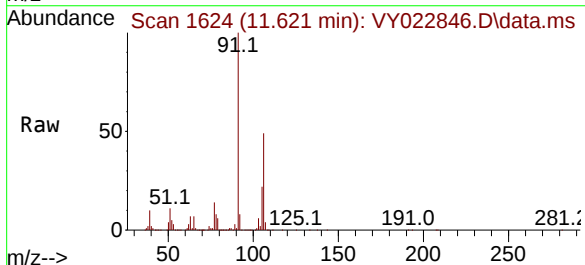
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

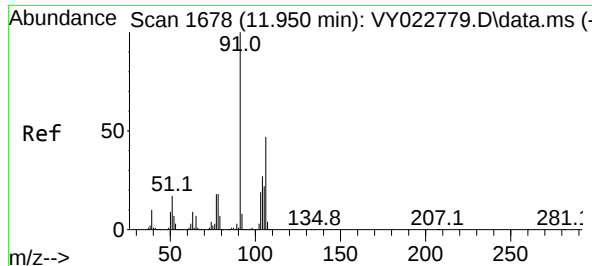
Tgt Ion: 91 Resp: 105490
Ion Ratio Lower Upper
91 100
106 31.6 24.2 36.4



#68
m/p-Xylenes
Concen: 20.550 ug/l
RT: 11.621 min Scan# 1624
Delta R.T. -0.012 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion: 106 Resp: 162120
Ion Ratio Lower Upper
106 100
91 202.7 159.4 239.0





#69

o-Xylene

Concen: 5.662 ug/l

RT: 11.956 min Scan# 1

Delta R.T. -0.000 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

Instrument :

MSVOA_Y

ClientSampleId :

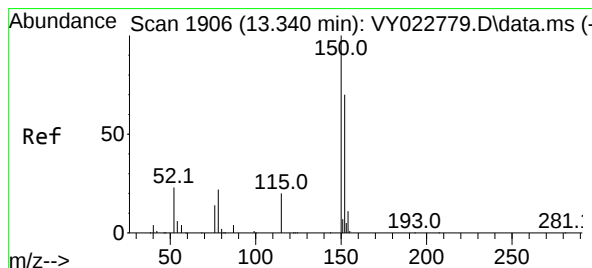
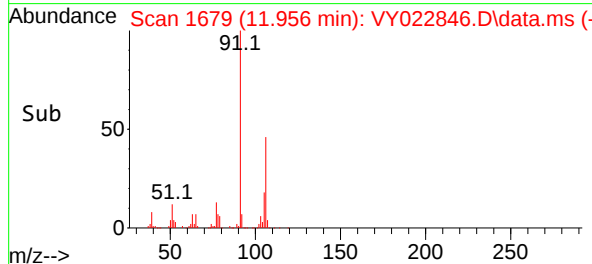
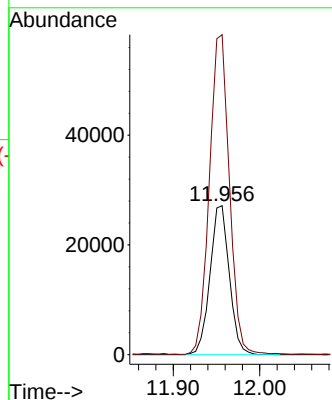
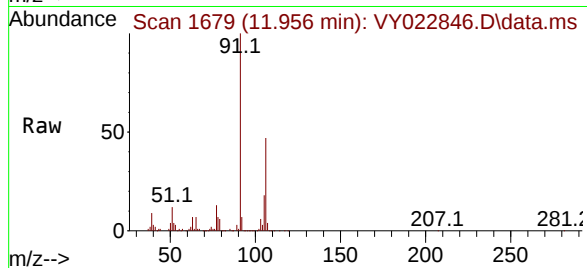
GBUFF1

Tgt Ion:106 Resp: 42090

Ion Ratio Lower Upper

106 100

91 221.7 105.8 317.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.346 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022846.D

Acq: 26 Jun 2025 13:43

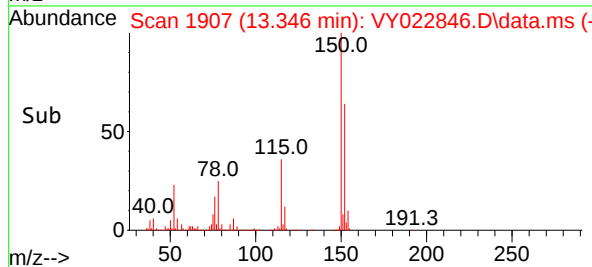
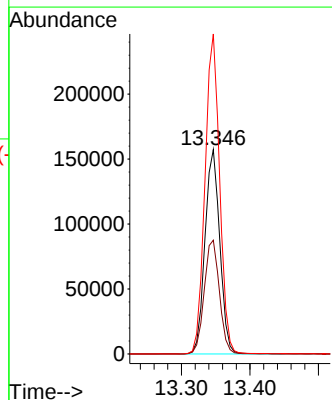
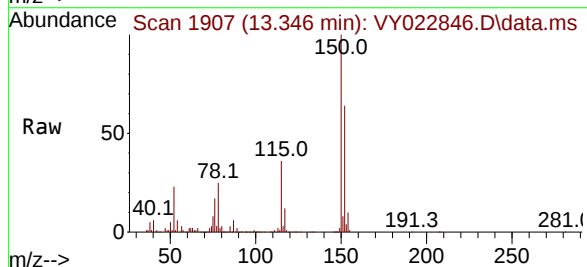
Tgt Ion:152 Resp: 237063

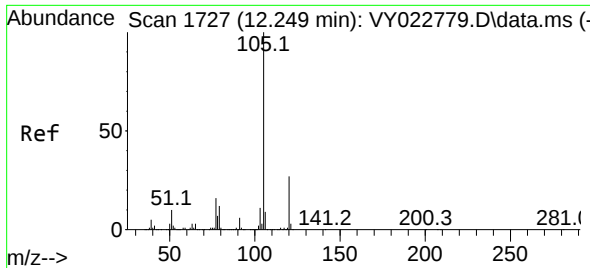
Ion Ratio Lower Upper

152 100

115 57.1 28.9 86.7

150 154.4 0.0 349.6

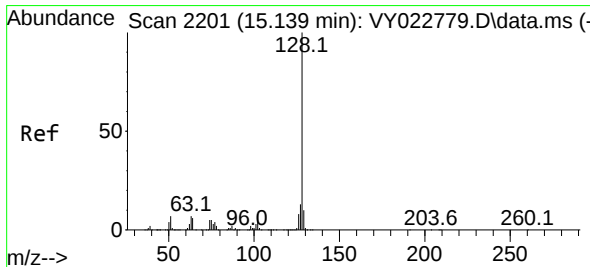
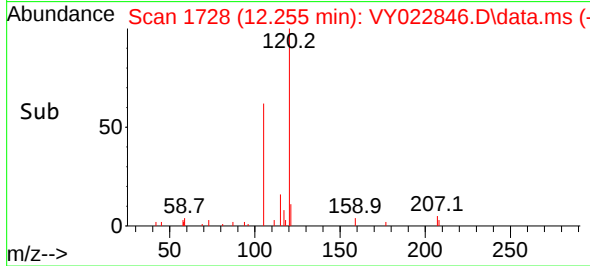
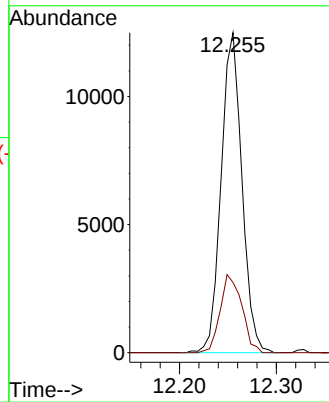
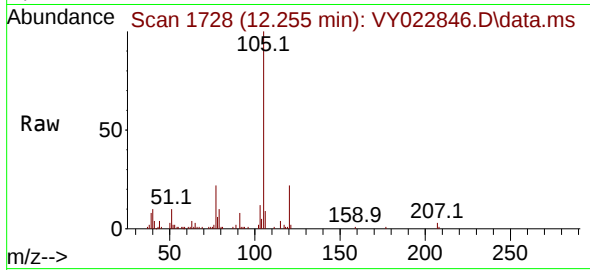




#73
Isopropylbenzene
Concen: 1.061 ug/l
RT: 12.255 min Scan# 1728
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

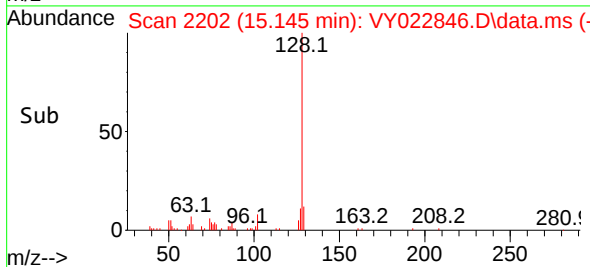
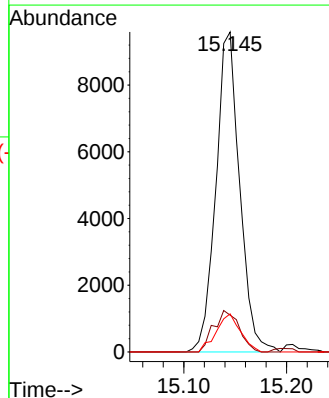
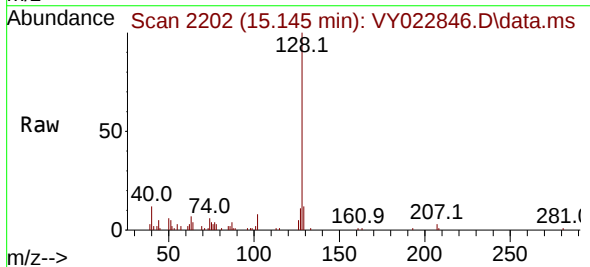
Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

Tgt Ion:105 Resp: 18605
Ion Ratio Lower Upper
105 100
120 25.3 13.0 38.9



#95
Naphthalene
Concen: 2.140 ug/l
RT: 15.145 min Scan# 2202
Delta R.T. -0.000 min
Lab File: VY022846.D
Acq: 26 Jun 2025 13:43

Tgt Ion:128 Resp: 15371
Ion Ratio Lower Upper
128 100
127 13.9 10.4 15.6
129 12.1 8.9 13.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022846.D
 Acq On : 26 Jun 2025 13:43
 Operator : SY/MD
 Sample : Q2371-06
 Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 GBUFF1

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: VY022846.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.616	465	475	486	rBV3	15631	47557	2.70%	0.421%
2	7.640	959	971	976	rBV	232185	554313	31.43%	4.910%
3	7.707	976	982	995	rVB	384942	909578	51.57%	8.056%
4	8.067	1029	1041	1051	rBV	191312	435549	24.70%	3.858%
5	8.616	1122	1131	1145	rBV	667997	1306297	74.07%	11.570%
6	10.109	1368	1376	1383	rBV	1020223	1763700	100.00%	15.621%
7	11.414	1581	1590	1600	rVV	1037841	1675124	94.98%	14.837%
8	11.518	1601	1607	1617	rVV	160002	262317	14.87%	2.323%
9	11.621	1617	1624	1643	rVB	573755	992963	56.30%	8.795%
10	11.950	1671	1678	1687	rBV	165312	271062	15.37%	2.401%
11	12.255	1718	1728	1736	rBV	32787	53083	3.01%	0.470%
12	12.408	1746	1753	1763	rBV2	831034	1387022	78.64%	12.285%
13	12.682	1791	1798	1802	rBV6	10068	20631	1.17%	0.183%
14	13.346	1892	1907	1915	rBV	966667	1502759	85.20%	13.310%
15	13.450	1920	1924	1932	rVB	19682	32390	1.84%	0.287%
16	13.883	1990	1995	2001	rVB	16326	26595	1.51%	0.236%
17	15.139	2196	2201	2207	rBV	18539	30844	1.75%	0.273%
18	15.291	2221	2226	2231	rBV2	10051	18522	1.05%	0.164%

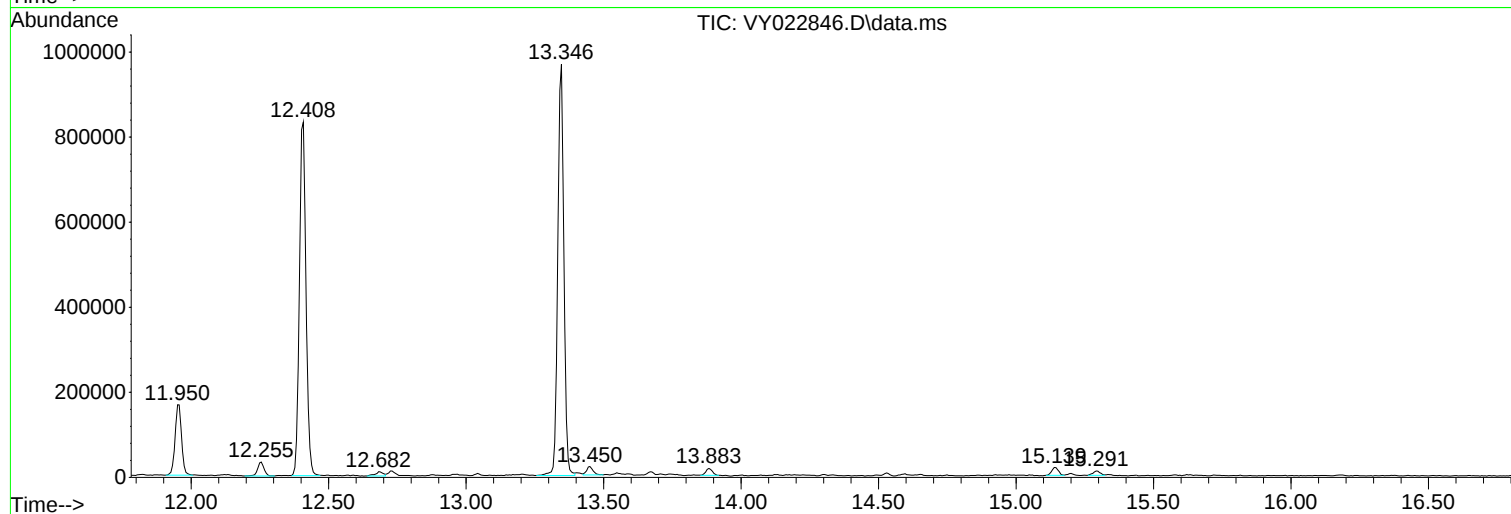
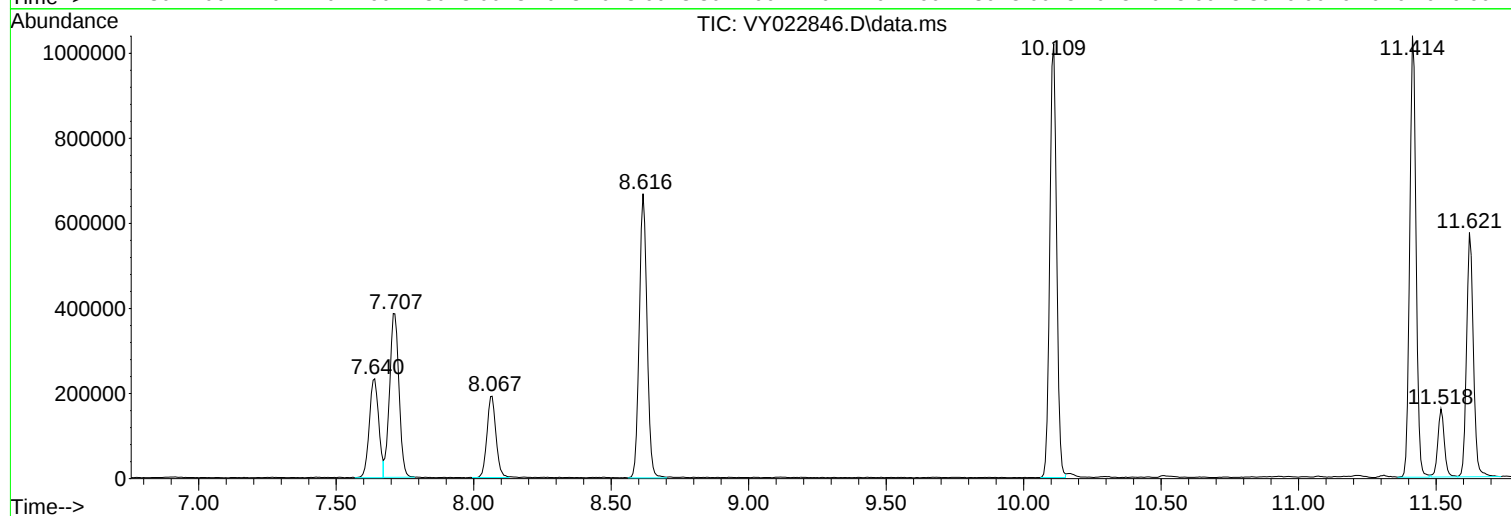
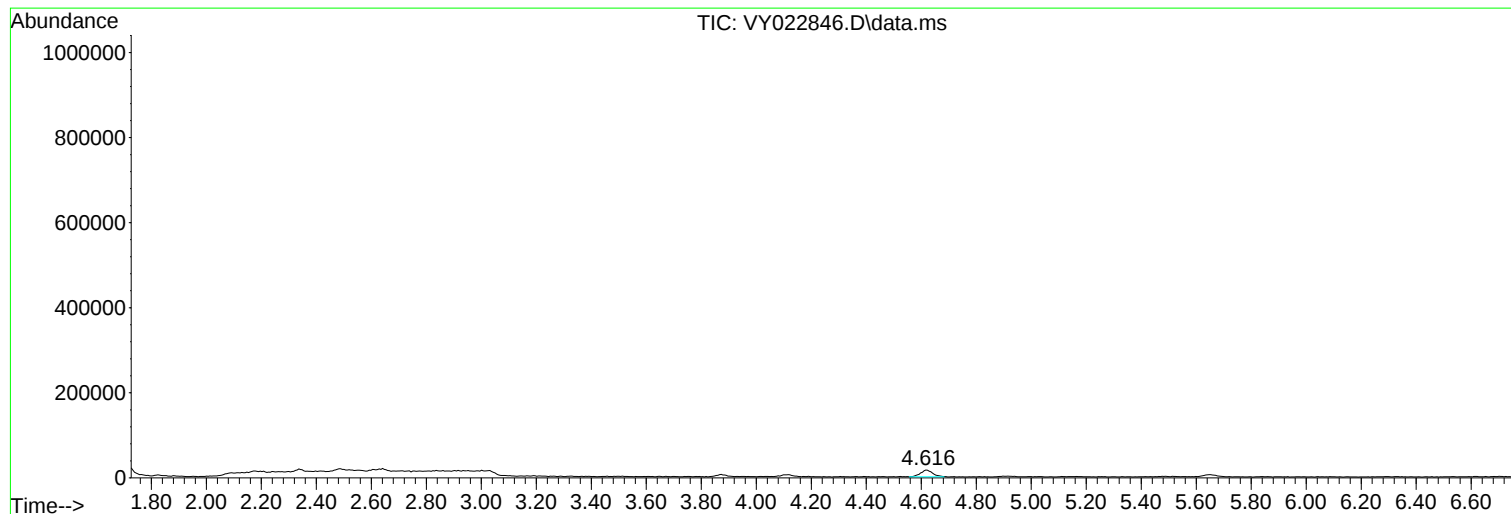
Sum of corrected areas: 11290306

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

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\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

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

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022846.D
Acq On : 26 Jun 2025 13:43
Operator : SY/MD
Sample : Q2371-06
Misc : 6.89g/5.0mL/MSVOA_Y/SOIL/A
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
GBUFF1

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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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046805.D
 Acq On : 23 Jun 2025 09:31
 Operator : JC/MD
 Sample : VX0623MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0623MBL01

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Quant Time: Jun 24 03:59:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.556	168	114433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.763	114	198594	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.049	117	177448	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	86635	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.958	65	77358	48.874	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	5.391	113	65020	49.484	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.960%
50) Toluene-d8	8.647	98	235745	49.938	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.880%
62) 4-Bromofluorobenzene	11.079	95	87567	49.762	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.520%

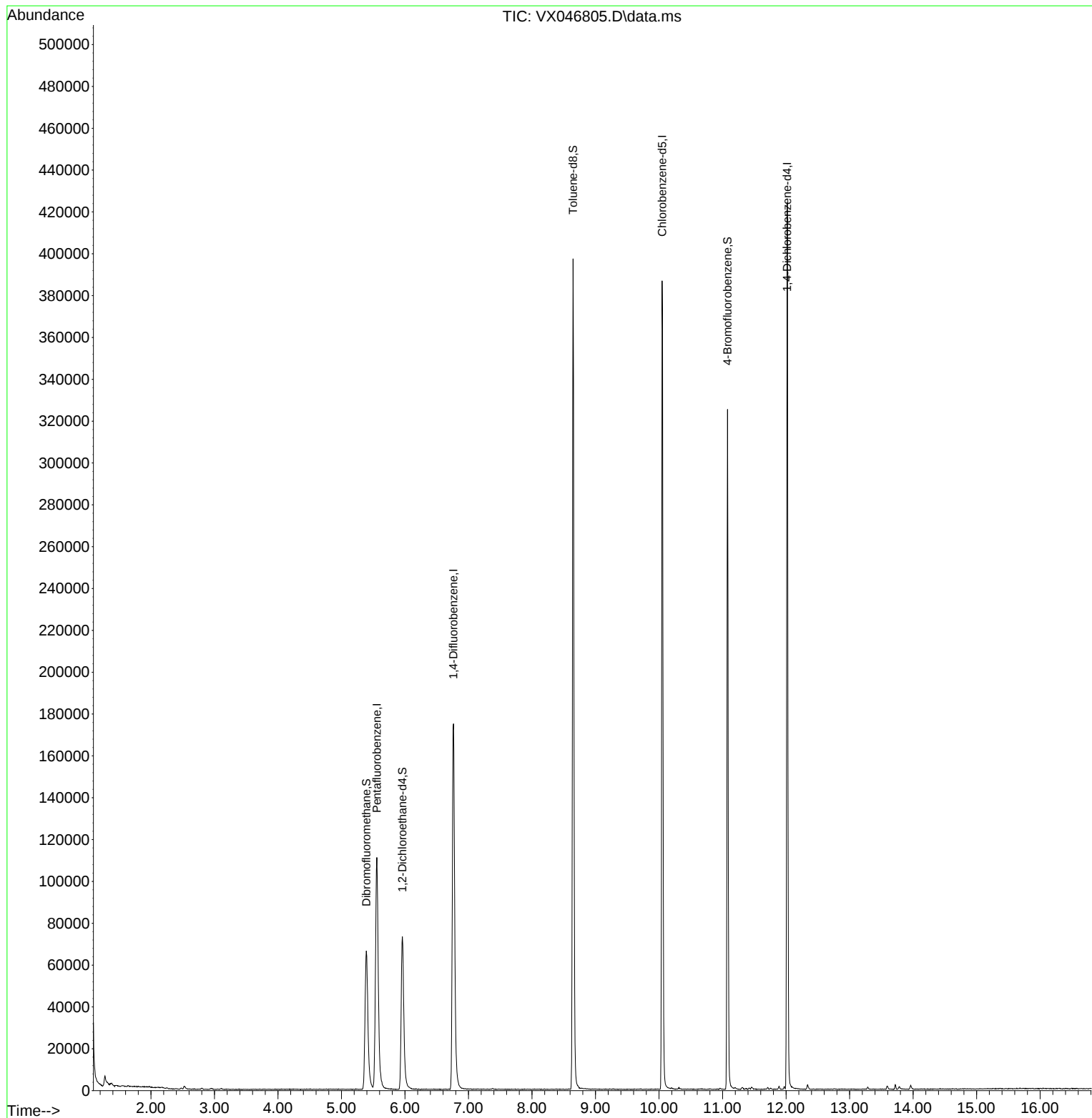
Target Compounds	Qvalue

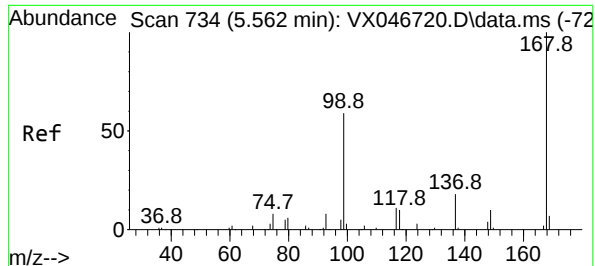
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Time: Jun 24 03:59:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

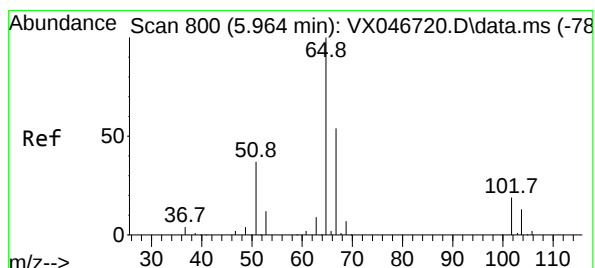
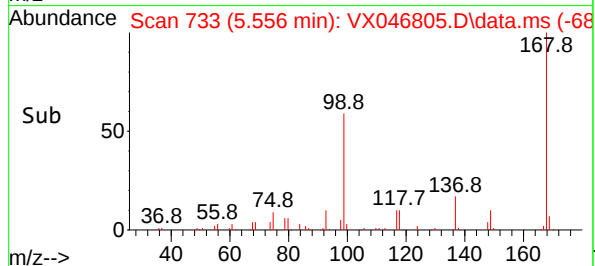
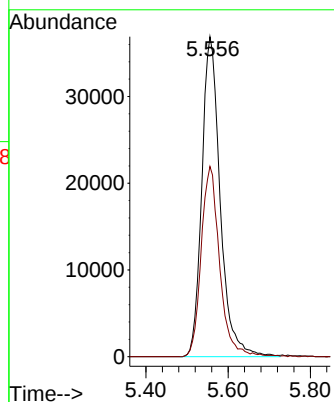
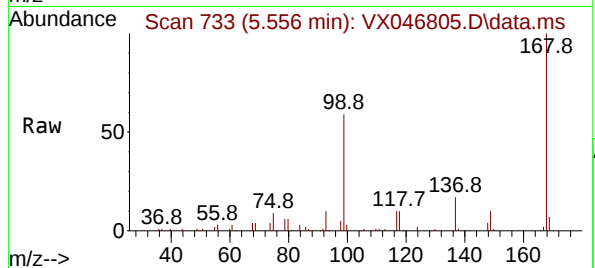




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.556 min Scan# 711
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

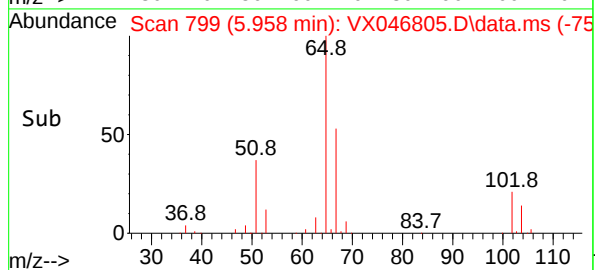
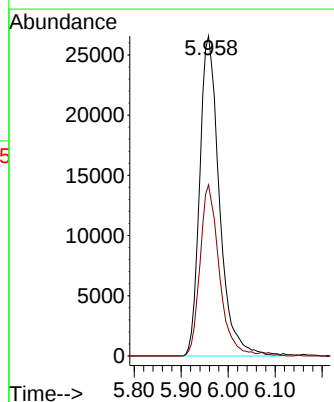
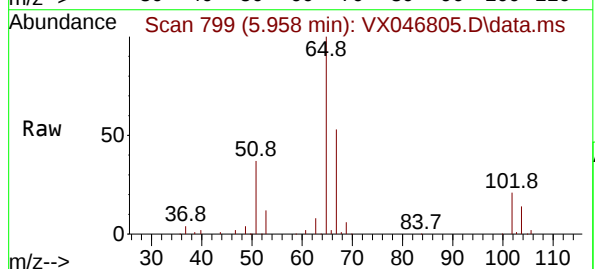
Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

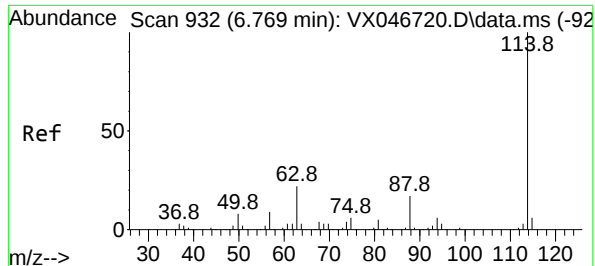
Tgt Ion:168 Resp: 114433
Ion Ratio Lower Upper
168 100
99 59.5 48.5 72.7



#33
1,2-Dichloroethane-d4
Concen: 48.874 ug/l
RT: 5.958 min Scan# 799
Delta R.T. -0.006 min
Lab File: VX046805.D
Acq: 23 Jun 2025 09:31

Tgt Ion: 65 Resp: 77358
Ion Ratio Lower Upper
65 100
67 52.2 0.0 105.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.763 min Scan# 91

Delta R.T. -0.006 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

VX0623MBL01

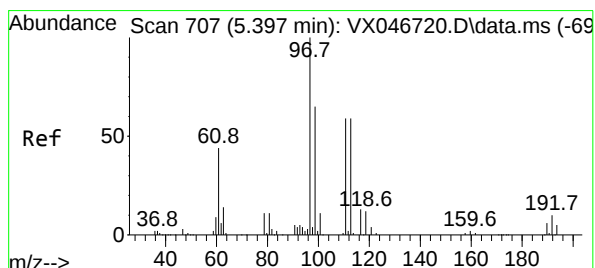
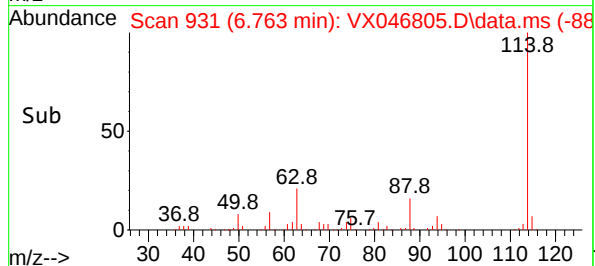
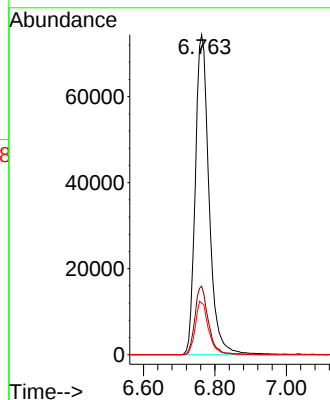
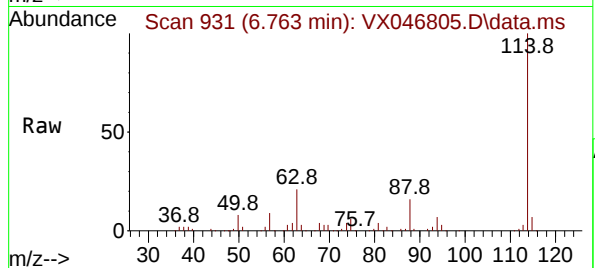
Tgt Ion:114 Resp: 198594

Ion Ratio Lower Upper

114 100

63 21.4 0.0 44.2

88 16.1 0.0 33.2



#35

Dibromofluoromethane

Concen: 49.484 ug/l

RT: 5.391 min Scan# 706

Delta R.T. -0.006 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

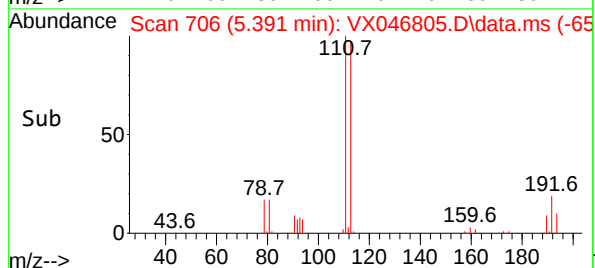
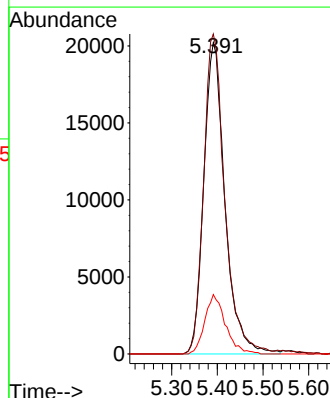
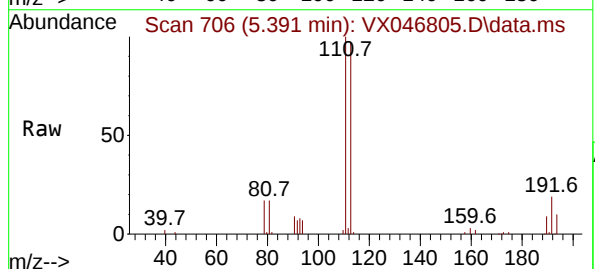
Tgt Ion:113 Resp: 65020

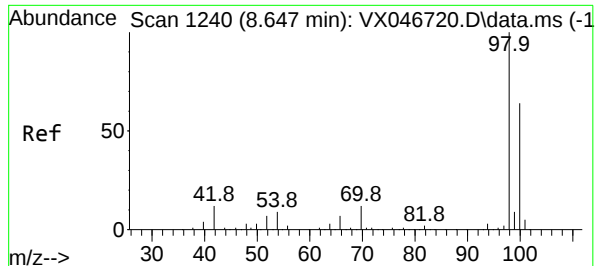
Ion Ratio Lower Upper

113 100

111 102.4 82.0 123.0

192 18.7 15.3 22.9





#50

Toluene-d8

Concen: 49.938 ug/l

RT: 8.647 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

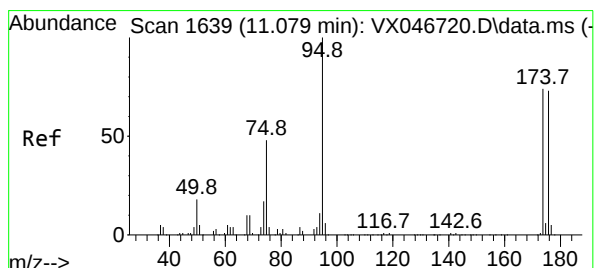
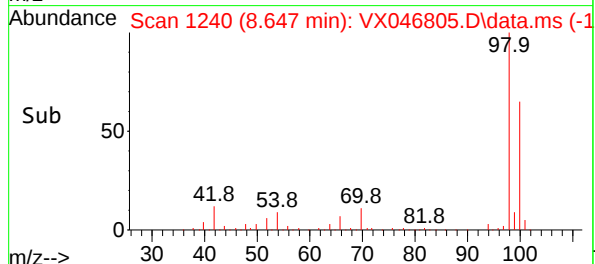
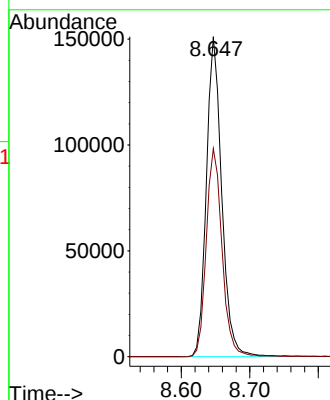
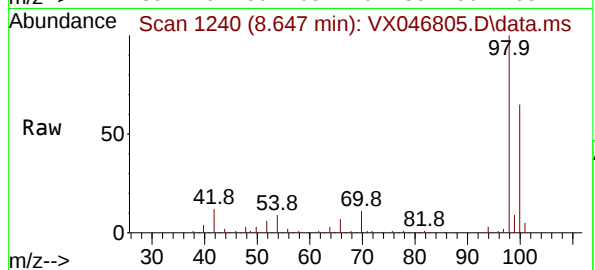
VX0623MBL01

Tgt Ion: 98 Resp: 235745

Ion Ratio Lower Upper

98 100

100 66.9 53.0 79.4



#62

4-Bromofluorobenzene

Concen: 49.762 ug/l

RT: 11.079 min Scan# 1639

Delta R.T. -0.000 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

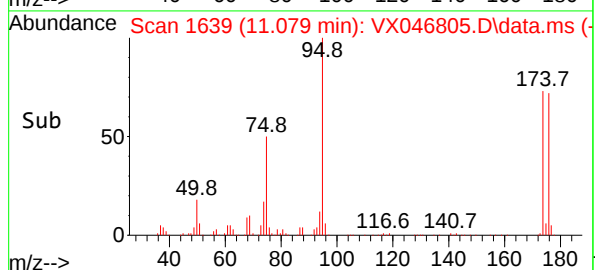
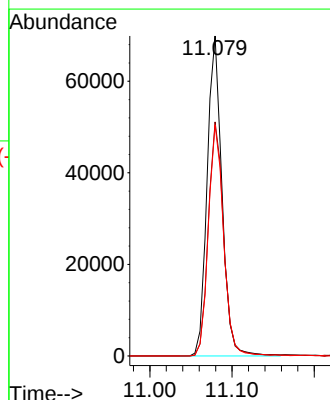
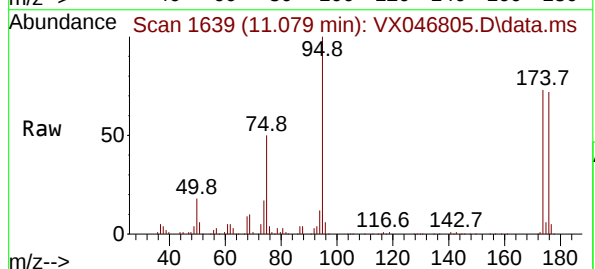
Tgt Ion: 95 Resp: 87567

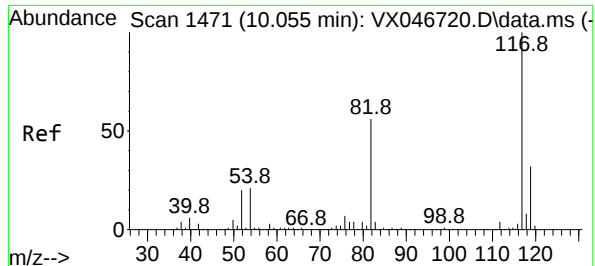
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

176 74.2 0.0 145.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 10.049 min Scan# 1471

Delta R.T. -0.006 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

Instrument :

MSVOA_X

ClientSampleId :

VX0623MBL01

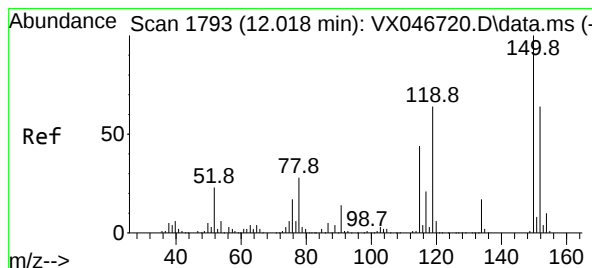
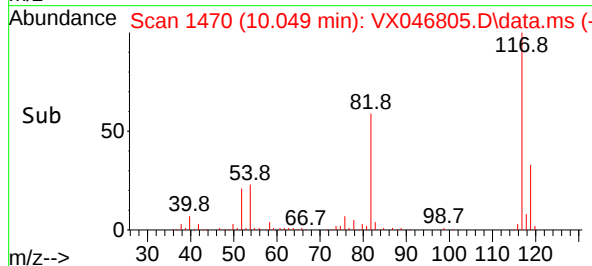
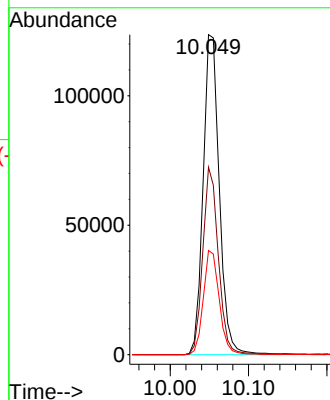
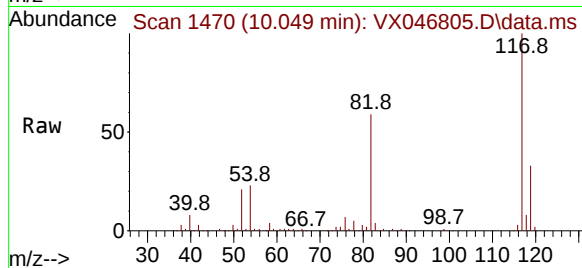
Tgt Ion:117 Resp: 177448

Ion Ratio Lower Upper

117 100

82 58.6 44.6 66.8

119 32.5 25.8 38.8



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.018 min Scan# 1793

Delta R.T. -0.000 min

Lab File: VX046805.D

Acq: 23 Jun 2025 09:31

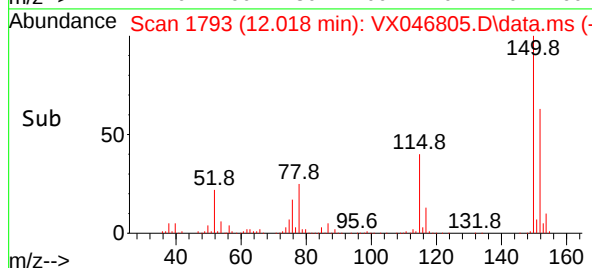
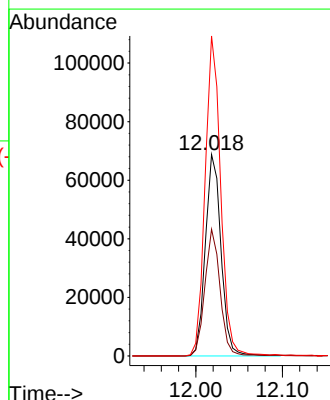
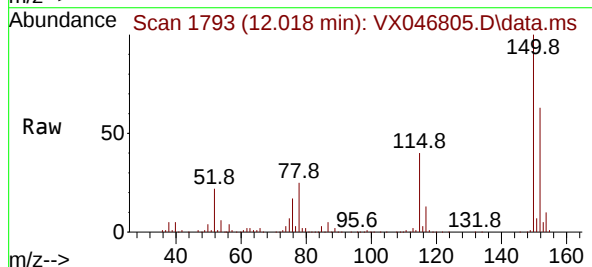
Tgt Ion:152 Resp: 86635

Ion Ratio Lower Upper

152 100

115 60.8 43.2 129.6

150 157.7 0.0 346.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M

Title : SW846 8260

Signal : TIC: VX046805.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	25	31	36	rBV2	4855	10125	1.60%	0.303%
2	5.391	695	706	723	rBV3	66232	211787	33.52%	6.330%
3	5.556	723	733	752	rVB	110255	333362	52.77%	9.964%
4	5.958	789	799	821	rBV2	72967	213064	33.73%	6.368%
5	6.763	922	931	952	rBV	174829	459227	72.69%	13.726%
6	8.647	1233	1240	1256	rBV	396961	631735	100.00%	18.882%
7	10.049	1465	1470	1486	rBV	386432	545272	86.31%	16.298%
8	11.079	1634	1639	1656	rBV	324913	412843	65.35%	12.339%
9	12.018	1788	1793	1807	rBV	423492	528295	83.63%	15.790%

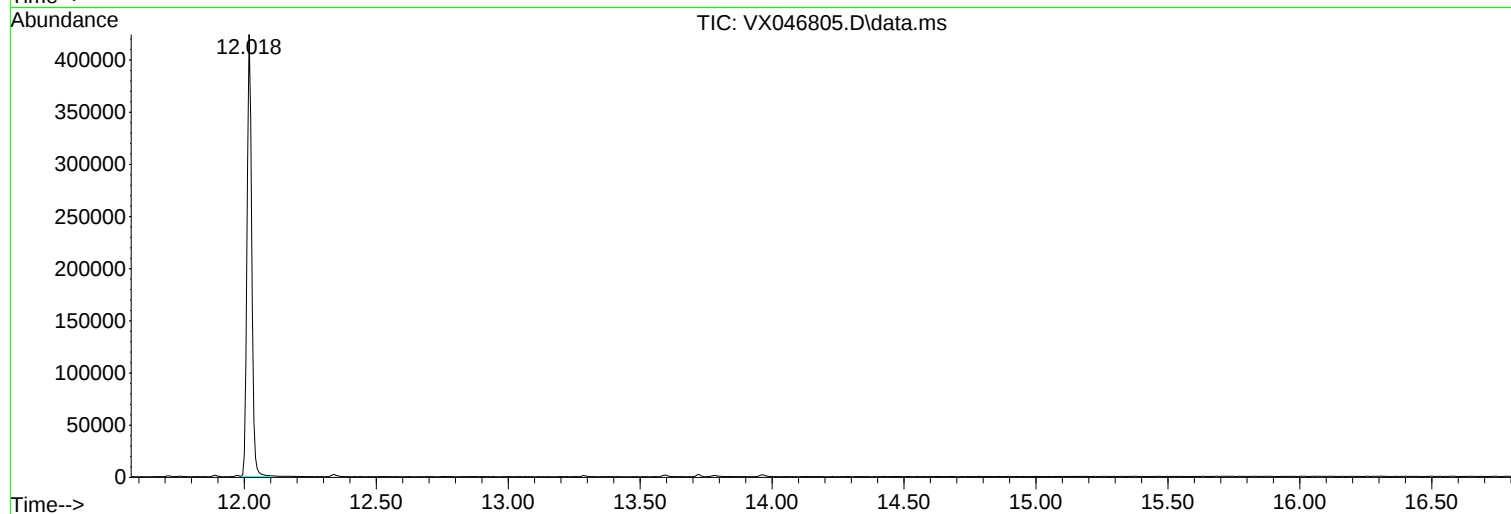
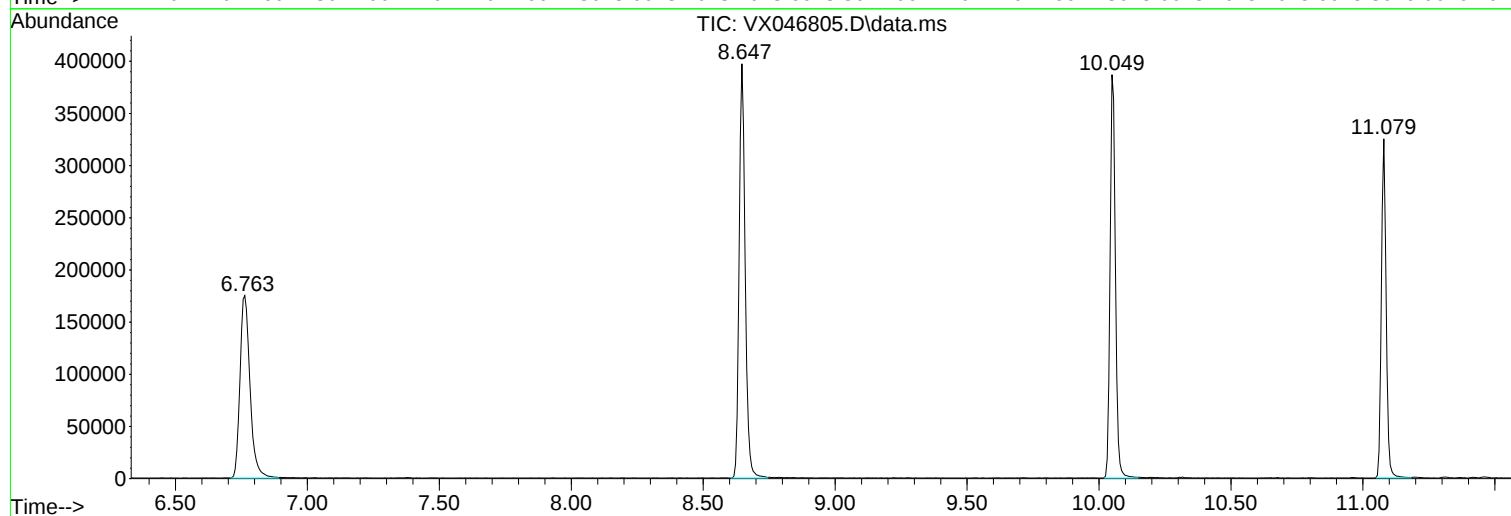
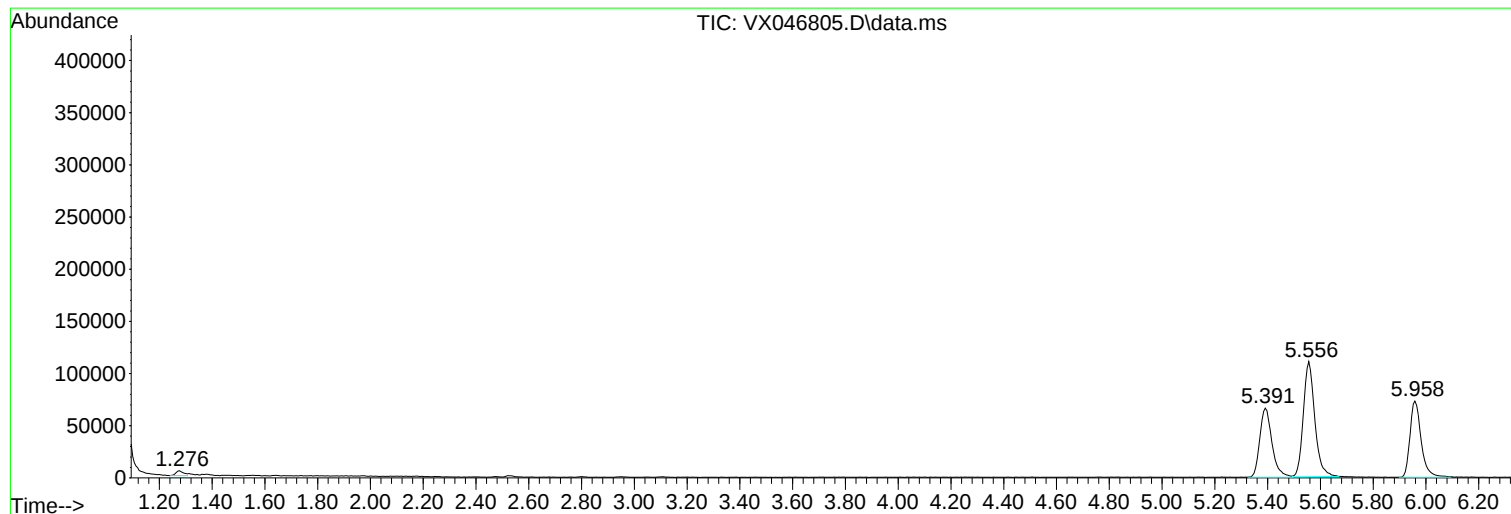
Sum of corrected areas: 3345710

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046805.D
Acq On : 23 Jun 2025 09:31
Operator : JC/MD
Sample : VX0623MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

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Quant Time: Jun 27 01:24:13 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	7.713	168	328943	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	604959	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	571725	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	249132	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.067	65	183306	49.929	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	=	99.860%
35) Dibromofluoromethane	7.640	113	184961	50.274	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	=	100.540%
50) Toluene-d8	10.109	98	727504	49.832	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	=	99.660%
62) 4-Bromofluorobenzene	12.408	95	251824	53.658	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	=	107.320%

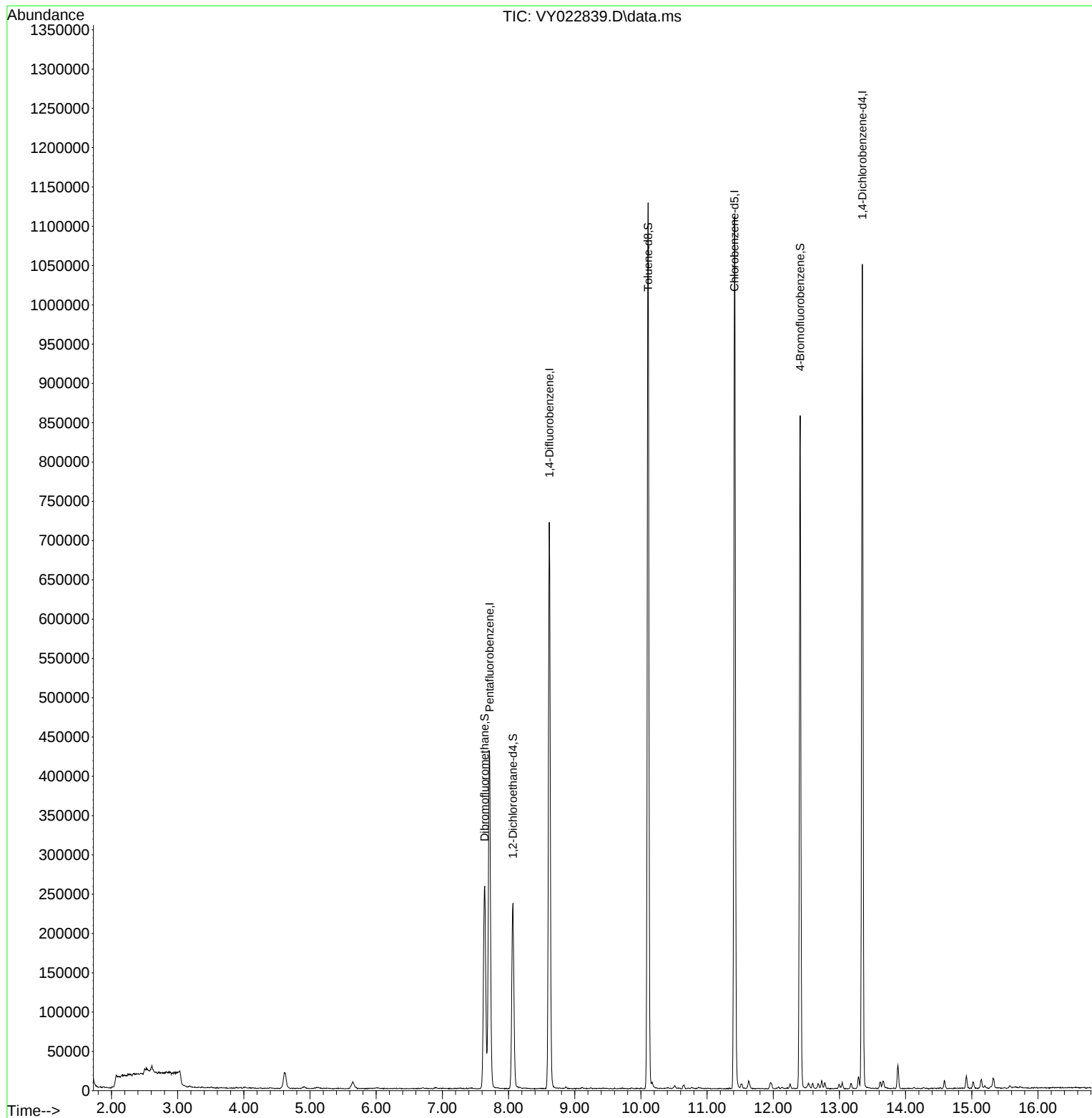
Target Compounds	Qvalue

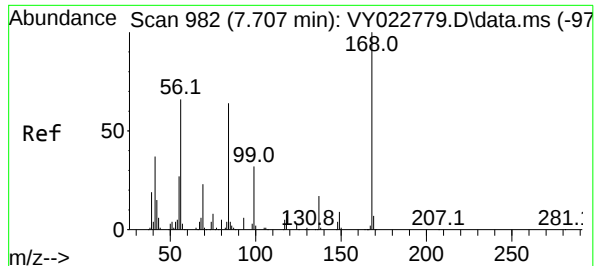
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

Quant Time: Jun 27 01:24:13 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

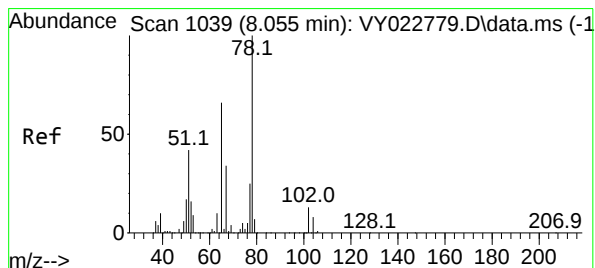
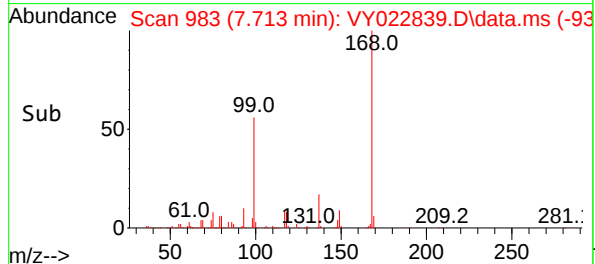
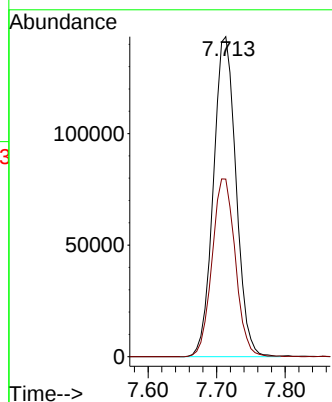
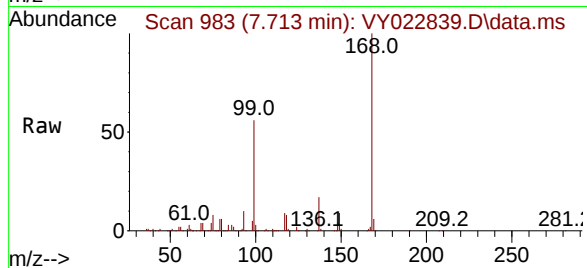




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.713 min Scan# 91
Delta R.T. 0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

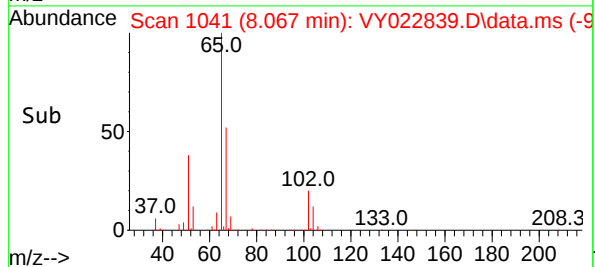
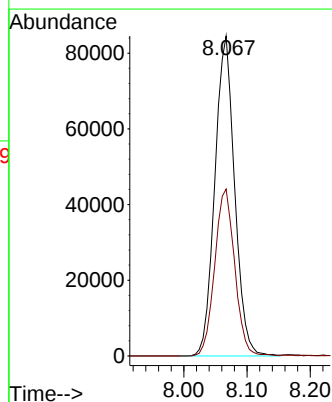
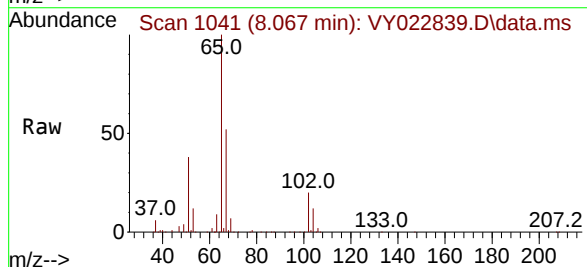
Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

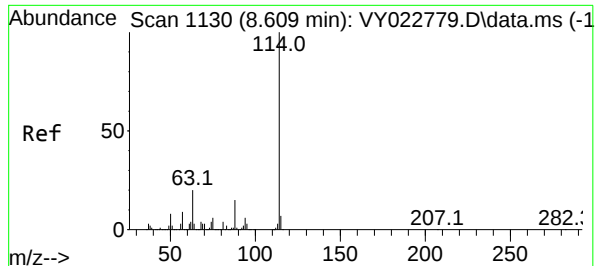
Tgt Ion:168 Resp: 328943
Ion Ratio Lower Upper
168 100
99 55.5 44.3 66.5



#33
1,2-Dichloroethane-d4
Concen: 49.929 ug/l
RT: 8.067 min Scan# 1041
Delta R.T. -0.000 min
Lab File: VY022839.D
Acq: 26 Jun 2025 10:39

Tgt Ion: 65 Resp: 183306
Ion Ratio Lower Upper
65 100
67 52.7 0.0 103.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.616 min Scan# 1131

Delta R.T. -0.000 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0626SBL01

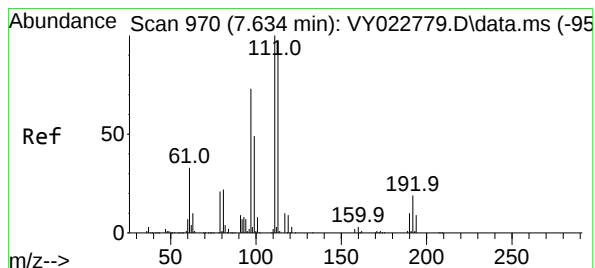
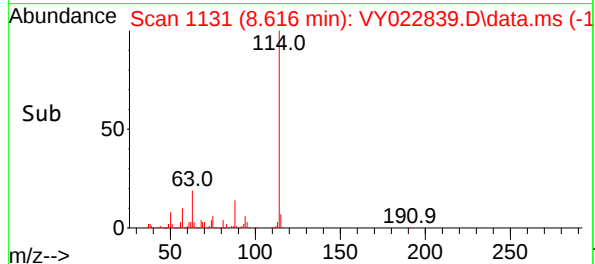
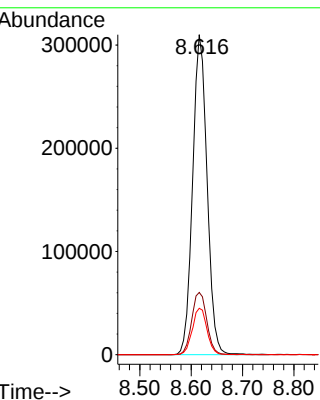
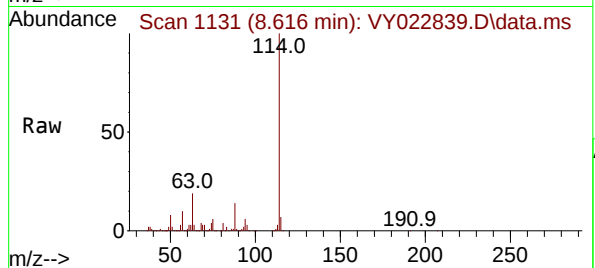
Tgt Ion:114 Resp: 604959

Ion Ratio Lower Upper

114 100

63 19.4 0.0 40.8

88 14.5 0.0 27.8



#35

Dibromofluoromethane

Concen: 50.274 ug/l

RT: 7.640 min Scan# 971

Delta R.T. -0.000 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

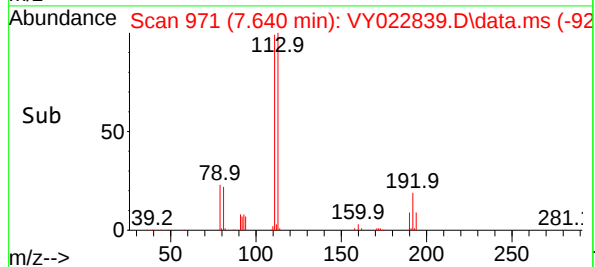
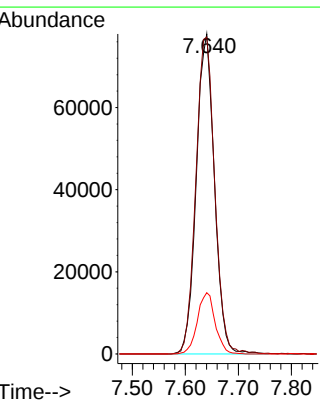
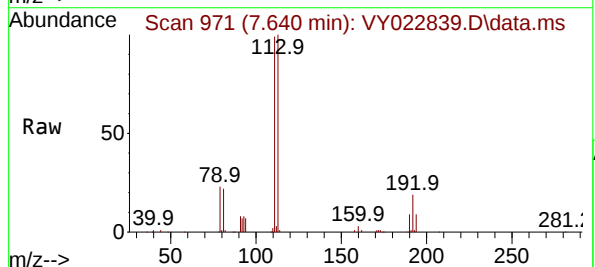
Tgt Ion:113 Resp: 184961

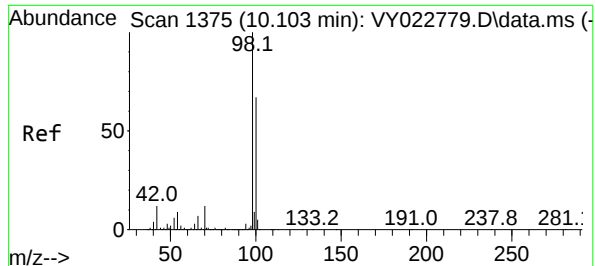
Ion Ratio Lower Upper

113 100

111 103.0 81.1 121.7

192 18.8 14.2 21.2





#50

Toluene-d8

Concen: 49.832 ug/l

RT: 10.109 min Scan# 1375

Delta R.T. -0.000 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

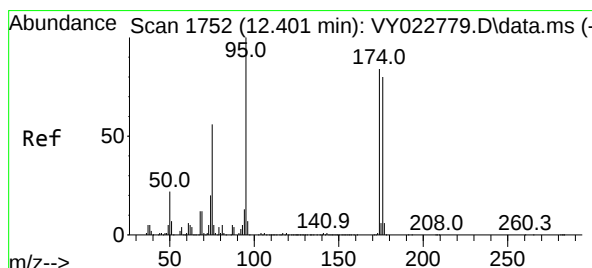
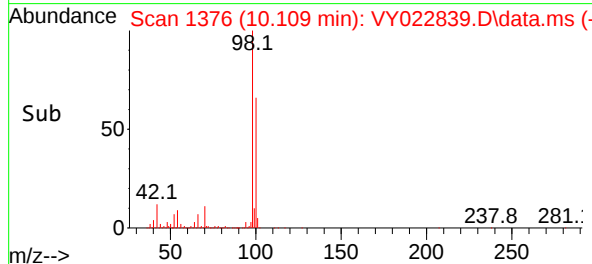
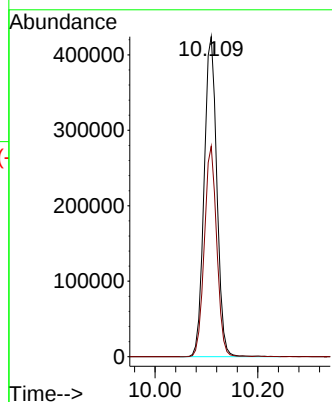
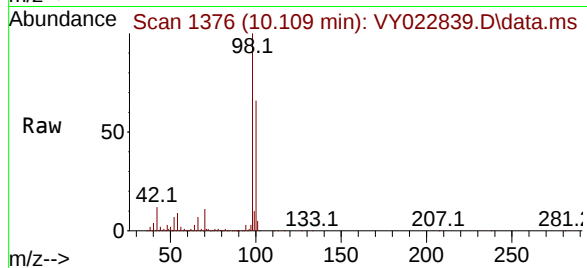
VY0626SBL01

Tgt Ion: 98 Resp: 727504

Ion Ratio Lower Upper

98 100

100 64.1 51.4 77.0



#62

4-Bromofluorobenzene

Concen: 53.658 ug/l

RT: 12.408 min Scan# 1753

Delta R.T. -0.000 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

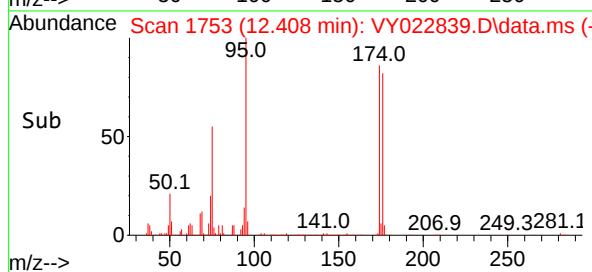
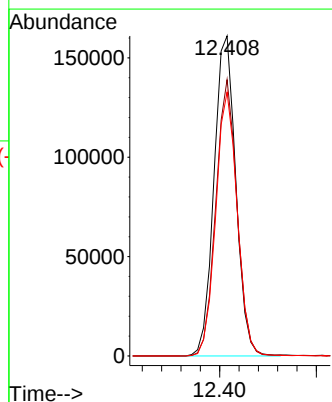
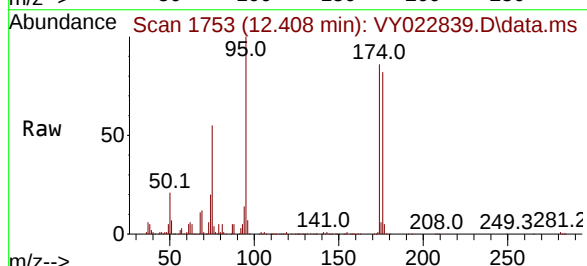
Tgt Ion: 95 Resp: 251824

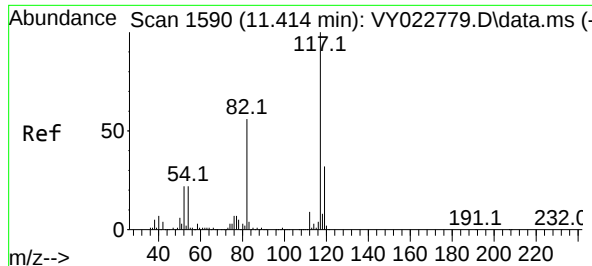
Ion Ratio Lower Upper

95 100

174 83.9 0.0 170.0

176 81.2 0.0 166.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.414 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

Instrument :

MSVOA_Y

ClientSampleId :

VY0626SBL01

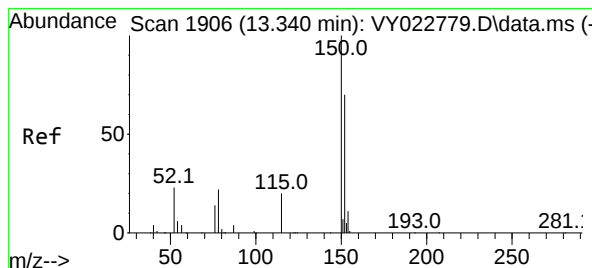
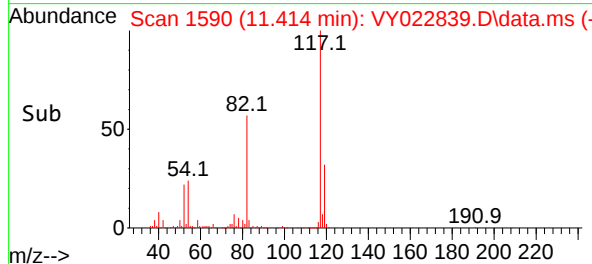
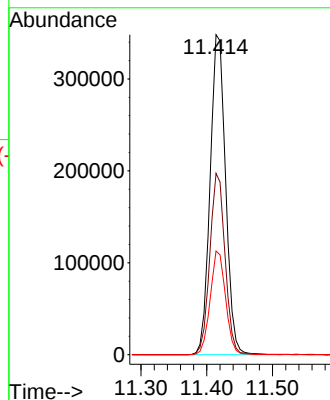
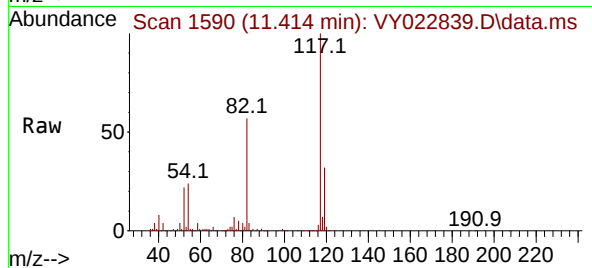
Tgt Ion:117 Resp: 571725

Ion Ratio Lower Upper

117 100

82 56.6 44.6 66.8

119 32.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.347 min Scan# 1907

Delta R.T. -0.000 min

Lab File: VY022839.D

Acq: 26 Jun 2025 10:39

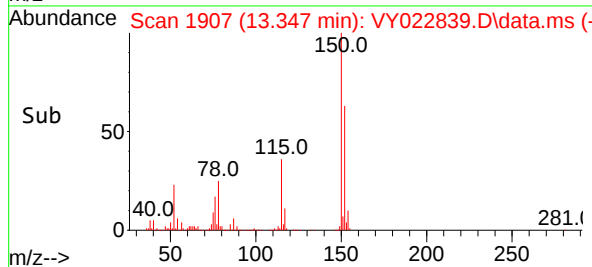
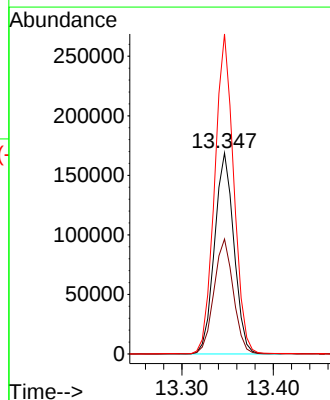
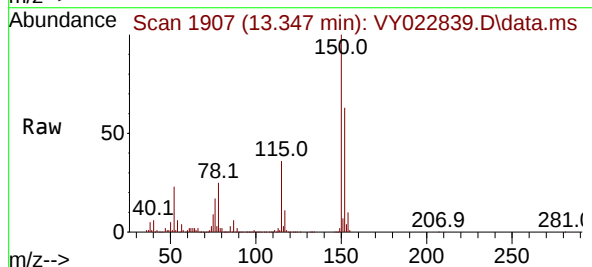
Tgt Ion:152 Resp: 249132

Ion Ratio Lower Upper

152 100

115 57.2 28.9 86.7

150 156.6 0.0 349.6



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

A
B
C
D
E
F
G
H
I
J

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: VY022839.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	rBV2	15477	30809	1.59%	0.293%
2	4.610	464	474	489	rVB3	20187	65338	3.37%	0.622%
3	5.647	634	644	652	rBV6	8934	27226	1.41%	0.259%
4	7.640	959	971	976	rBV	257940	622483	32.13%	5.924%
5	7.707	976	982	997	rVB	429709	998588	51.54%	9.504%
6	8.067	1031	1041	1055	rBV	236352	534917	27.61%	5.091%
7	8.616	1122	1131	1145	rBV	721006	1422259	73.40%	13.536%
8	10.109	1368	1376	1384	rBV	1127710	1937686	100.00%	18.441%
9	11.414	1583	1590	1603	rBV	1109681	1822090	94.03%	17.341%
10	12.408	1746	1753	1764	rBV	855989	1349727	69.66%	12.845%
11	13.286	1892	1897	1901	rBV4	14640	24702	1.27%	0.235%
12	13.347	1901	1907	1918	rVB	1048060	1578025	81.44%	15.018%
13	13.883	1989	1995	2004	rVB2	29766	48589	2.51%	0.462%
14	14.919	2160	2165	2172	rVB3	16158	24898	1.28%	0.237%
15	15.322	2227	2231	2237	rVB5	11850	20227	1.04%	0.192%

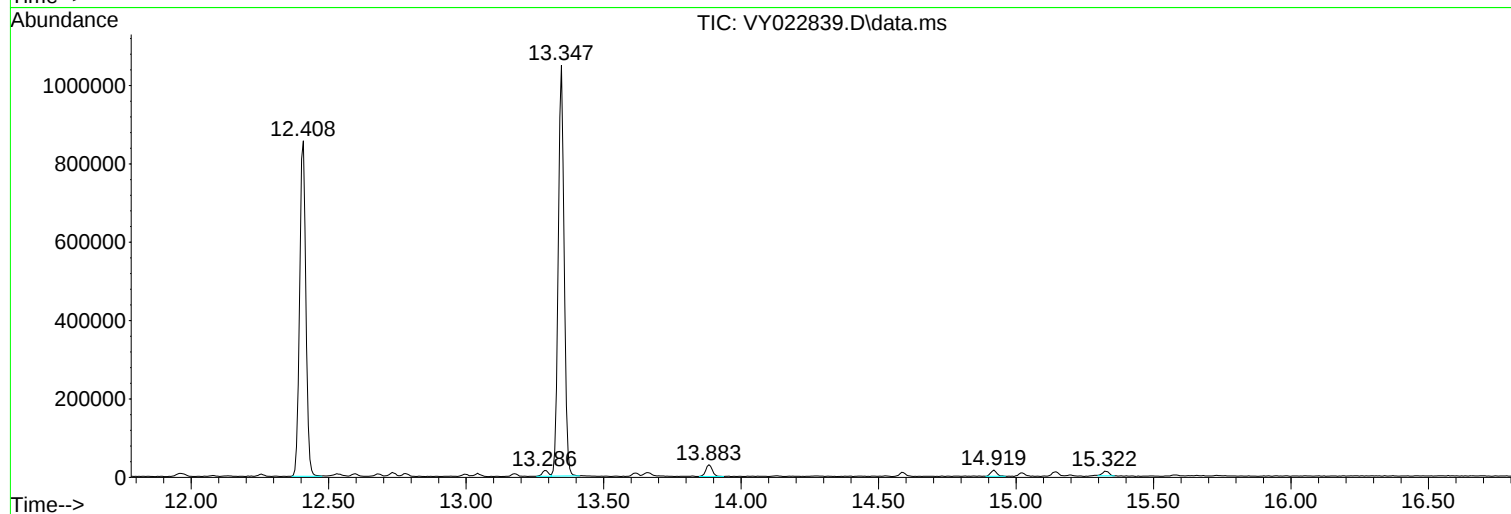
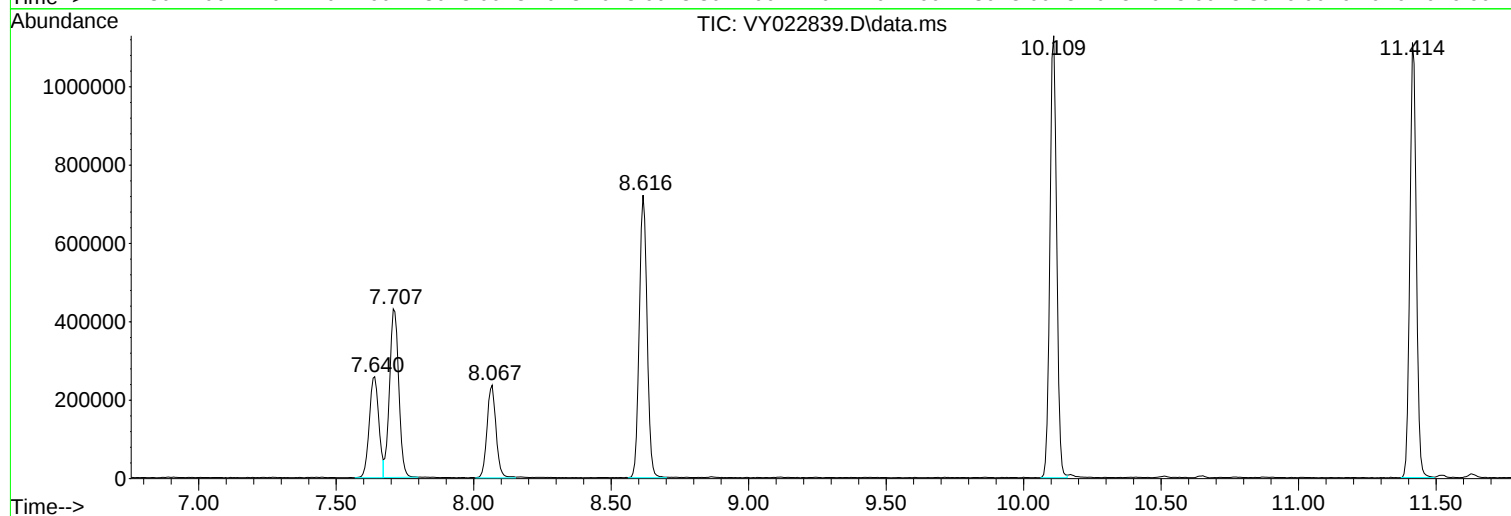
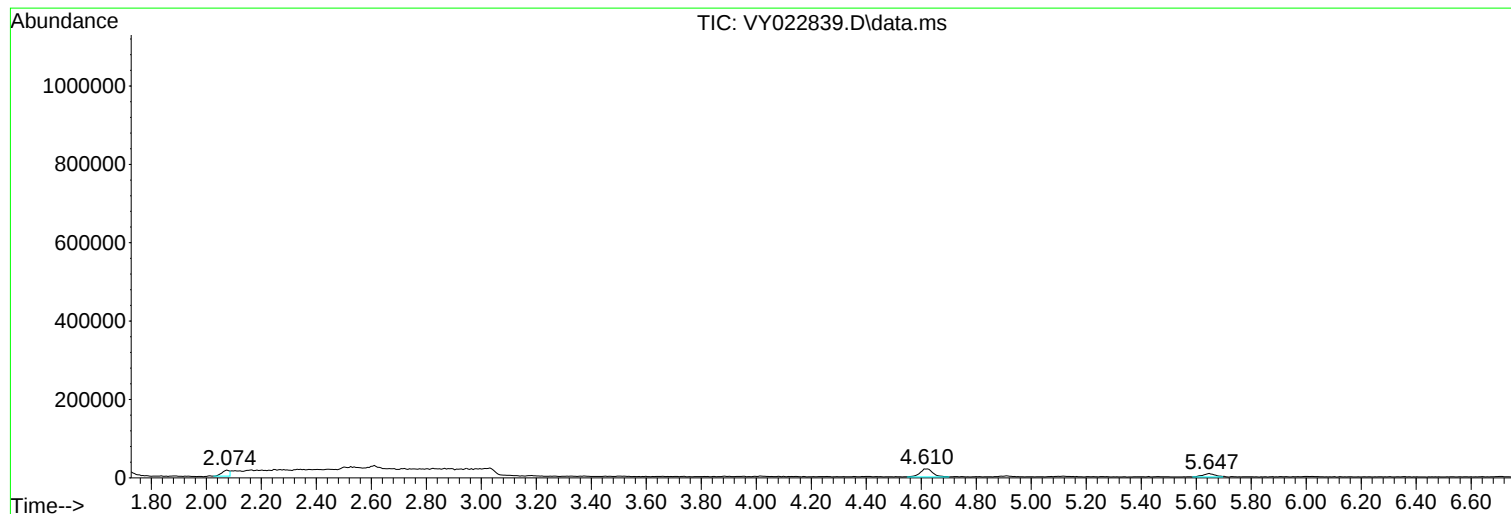
Sum of corrected areas: 10507564

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

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\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

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

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022839.D
Acq On : 26 Jun 2025 10:39
Operator : SY/MD
Sample : VY0626SBL01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 3 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBL01

A

B

C

D

E

F

G

H

I

J

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046807.D
 Acq On : 23 Jun 2025 10:13
 Operator : JC/MD
 Sample : VX0623MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 04:00:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.562	168	140099	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.769	114	228017	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.055	117	204798	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.018	152	106315	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.964	65	88596	45.719	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	91.440%
35) Dibromofluoromethane	5.397	113	74024	49.067	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	98.140%
50) Toluene-d8	8.647	98	264622	48.822	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	97.640%
62) 4-Bromofluorobenzene	11.079	95	100714	49.847	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	99.700%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.179	85	26187	17.508	ug/l	96
3) Chloromethane	1.307	50	27629	17.114	ug/l	95
4) Vinyl Chloride	1.386	62	30728	17.848	ug/l	93
5) Bromomethane	1.624	94	18883	19.495	ug/l	97
6) Chloroethane	1.703	64	18766	17.984	ug/l	99
7) Trichlorofluoromethane	1.904	101	45457	17.389	ug/l	96
8) Diethyl Ether	2.148	74	15811	17.624	ug/l	94
9) 1,1,2-Trichlorotrifluo...	2.349	101	28513	17.780	ug/l	99
10) Methyl Iodide	2.471	142	29796	17.890	ug/l	100
11) Tert butyl alcohol	2.959	59	11562	66.475	ug/l	98
12) 1,1-Dichloroethene	2.337	96	27849	17.997	ug/l	95
13) Acrolein	2.245	56	24780	97.813	ug/l	98
14) Allyl chloride	2.678	41	48441	17.277	ug/l	99
15) Acrylonitrile	3.075	53	64028	81.868	ug/l	100
16) Acetone	2.386	43	48031	74.327	ug/l	99
17) Carbon Disulfide	2.532	76	75854	16.232	ug/l	98
18) Methyl Acetate	2.715	43	26856	16.363	ug/l	97
19) Methyl tert-butyl Ether	3.123	73	79170	16.431	ug/l	99
20) Methylene Chloride	2.806	84	30962	17.229	ug/l	95
21) trans-1,2-Dichloroethene	3.111	96	29224	17.649	ug/l	98
22) Diisopropyl ether	3.770	45	98189	18.220	ug/l	97
23) Vinyl Acetate	3.733	43	363092	84.726	ug/l	98
24) 1,1-Dichloroethane	3.629	63	54007	17.651	ug/l	98
25) 2-Butanone	4.562	43	71447	78.175	ug/l	99
26) 2,2-Dichloropropane	4.489	77	39518	17.708	ug/l	98
27) cis-1,2-Dichloroethene	4.501	96	34335	17.650	ug/l	99
28) Bromochloromethane	4.910	49	27889	20.105	ug/l	97
29) Tetrahydrofuran	5.013	42	46635	78.999	ug/l	99
30) Chloroform	5.105	83	55805	18.237	ug/l	99
31) Cyclohexane	5.483	56	50897	17.541	ug/l	92
32) 1,1,1-Trichloroethane	5.397	97	46166	17.203	ug/l	98
36) 1,1-Dichloropropene	5.702	75	38952	17.886	ug/l	100
37) Ethyl Acetate	4.721	43	32861	16.347	ug/l	97
38) Carbon Tetrachloride	5.690	117	41775	17.676	ug/l	96
39) Methylcyclohexane	7.385	83	50256	17.537	ug/l	99
40) Benzene	6.044	78	118780	18.429	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
 Data File : VX046807.D
 Acq On : 23 Jun 2025 10:13
 Operator : JC/MD
 Sample : VX0623MBS01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
 Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 04:00:16 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jun 18 03:09:16 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.934	41	18232	17.013	ug/l	97
42) 1,2-Dichloroethane	6.092	62	40545	17.902	ug/l	100
43) Isopropyl Acetate	6.348	43	51026	16.221	ug/l	99
44) Trichloroethene	7.135	130	29599	18.021	ug/l	100
45) 1,2-Dichloropropane	7.434	63	29055	18.190	ug/l	99
46) Dibromomethane	7.586	93	20527	17.881	ug/l	98
47) Bromodichloromethane	7.824	83	42764	18.255	ug/l	97
48) Methyl methacrylate	7.696	41	26871	17.033	ug/l	98
49) 1,4-Dioxane	7.665	88	6399	299.166	ug/l	94
51) 4-Methyl-2-Pentanone	8.574	43	156786	83.571	ug/l	98
52) Toluene	8.720	92	73896	18.495	ug/l	99
53) t-1,3-Dichloropropene	8.982	75	38205	17.577	ug/l	100
54) cis-1,3-Dichloropropene	8.366	75	44595	18.073	ug/l	98
55) 1,1,2-Trichloroethane	9.153	97	27298	18.333	ug/l	98
56) Ethyl methacrylate	9.116	69	37491	17.057	ug/l	100
57) 1,3-Dichloropropane	9.311	76	47668	18.590	ug/l	99
58) 2-Chloroethyl Vinyl ether	8.244	63	107089	93.792	ug/l	100
59) 2-Hexanone	9.427	43	103966	80.158	ug/l	99
60) Dibromochloromethane	9.518	129	31738	18.087	ug/l	96
61) 1,2-Dibromoethane	9.610	107	27479	18.143	ug/l	99
64) Tetrachloroethene	9.275	164	25622	18.058	ug/l	96
65) Chlorobenzene	10.079	112	83303	18.427	ug/l	97
66) 1,1,1,2-Tetrachloroethane	10.159	131	27448	18.065	ug/l	98
67) Ethyl Benzene	10.195	91	143293	18.141	ug/l	100
68) m/p-Xylenes	10.299	106	106844	36.301	ug/l	98
69) o-Xylene	10.640	106	51314	18.603	ug/l	98
70) Styrene	10.652	104	89144	18.467	ug/l	100
71) Bromoform	10.799	173	20582	17.788	ug/l #	100
73) Isopropylbenzene	10.957	105	137444	17.553	ug/l	100
74) N-amyl acetate	10.841	43	46426	15.649	ug/l	98
75) 1,1,2,2-Tetrachloroethane	11.207	83	37312	17.066	ug/l	100
76) 1,2,3-Trichloropropane	11.238	75	36036m	18.507	ug/l	
77) Bromobenzene	11.195	156	33911	17.997	ug/l	99
78) n-propylbenzene	11.299	91	164647	17.703	ug/l	100
79) 2-Chlorotoluene	11.360	91	98705	17.776	ug/l	99
80) 1,3,5-Trimethylbenzene	11.451	105	115938	18.018	ug/l	100
81) trans-1,4-Dichloro-2-b...	11.018	75	10337	15.005	ug/l	96
82) 4-Chlorotoluene	11.451	91	114535	17.674	ug/l	99
83) tert-Butylbenzene	11.713	119	115500	17.365	ug/l	100
84) 1,2,4-Trimethylbenzene	11.750	105	114247	17.672	ug/l	100
85) sec-Butylbenzene	11.890	105	150094	17.856	ug/l	100
86) p-Isopropyltoluene	12.006	119	123317	17.387	ug/l	99
87) 1,3-Dichlorobenzene	11.969	146	62947	17.134	ug/l	98
88) 1,4-Dichlorobenzene	12.036	146	64022	16.966	ug/l	98
89) n-Butylbenzene	12.329	91	118775	17.638	ug/l	99
90) Hexachloroethane	12.536	117	20450	16.466	ug/l	98
91) 1,2-Dichlorobenzene	12.335	146	60689	17.677	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.939	75	6448	14.939	ug/l	98
93) 1,2,4-Trichlorobenzene	13.585	180	41657	17.067	ug/l	98
94) Hexachlorobutadiene	13.719	225	18037	17.567	ug/l	98
95) Naphthalene	13.774	128	110680	15.916	ug/l	100
96) 1,2,3-Trichlorobenzene	13.957	180	40383	17.294	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

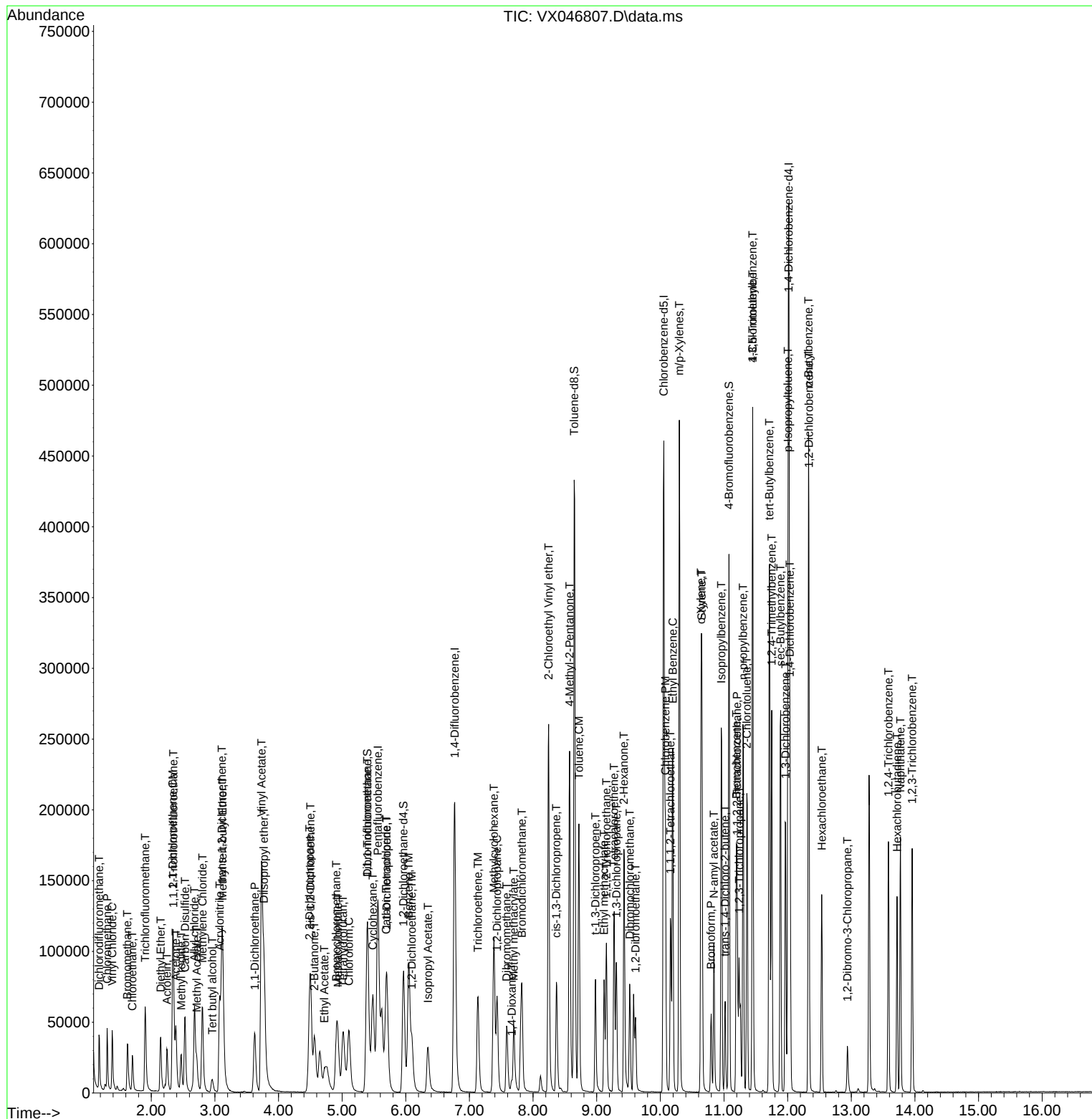
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX062325\
Data File : VX046807.D
Acq On : 23 Jun 2025 10:13
Operator : JC/MD
Sample : VX0623MBS01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_X/MEOH
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX0623MBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/24/2025
Supervised By :Semsettin Yesilyurt 06/24/2025

Quant Time: Jun 24 04:00:16 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X061725W.M
Quant Title : SW846 8260
QLast Update : Wed Jun 18 03:09:16 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022840.D
 Acq On : 26 Jun 2025 11:09
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:24:35 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	7.713	168	434636	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	740035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.420	117	637859	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.346	152	302470	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.067	65	251125	51.768	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 103.540%	
35) Dibromofluoromethane	7.634	113	226818	50.398	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.800%	
50) Toluene-d8	10.109	98	910365	50.976	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 101.960%	
62) 4-Bromofluorobenzene	12.408	95	287131	50.014	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 100.020%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	75961	20.438	ug/l	99
3) Chloromethane	2.068	50	157607	22.208	ug/l	99
4) Vinyl Chloride	2.202	62	176902	19.952	ug/l	96
5) Bromomethane	2.592	94	160953	23.091	ug/l	99
6) Chloroethane	2.733	64	115049	19.304	ug/l	91
7) Trichlorofluoromethane	3.056	101	186321	18.978	ug/l	100
8) Diethyl Ether	3.458	74	51940	21.420	ug/l	95
9) 1,1,2-Trichlorotrifluo...	3.818	101	93427	20.824	ug/l	97
10) Methyl Iodide	4.007	142	89370	18.295	ug/l	99
11) Tert butyl alcohol	4.866	59	34478	106.890	ug/l	96
12) 1,1-Dichloroethene	3.793	96	90089	20.478	ug/l	96
13) Acrolein	3.653	56	44603	101.976	ug/l	99
14) Allyl chloride	4.385	41	136536	20.177	ug/l	97
15) Acrylonitrile	5.061	53	109518	108.251	ug/l	97
16) Acetone	3.873	43	140162	152.870	ug/l	99
17) Carbon Disulfide	4.110	76	290236	20.422	ug/l	98
18) Methyl Acetate	4.391	43	55098	18.146	ug/l	97
19) Methyl tert-butyl Ether	5.122	73	251821	21.022	ug/l	99
20) Methylene Chloride	4.610	84	133084	22.984	ug/l	92
21) trans-1,2-Dichloroethene	5.116	96	101684	20.224	ug/l	89
22) Diisopropyl ether	6.025	45	311227	20.710	ug/l	98
23) Vinyl Acetate	5.964	43	893618	107.671	ug/l	98
24) 1,1-Dichloroethane	5.915	63	186884	20.589	ug/l	98
25) 2-Butanone	6.896	43	171331	128.392	ug/l	98
26) 2,2-Dichloropropane	6.884	77	159165	20.918	ug/l	100
27) cis-1,2-Dichloroethene	6.896	96	118753	20.326	ug/l	100
28) Bromochloromethane	7.250	49	78900	20.675	ug/l	93
29) Tetrahydrofuran	7.268	42	87942	104.367	ug/l	97
30) Chloroform	7.421	83	189613	20.282	ug/l	97
31) Cyclohexane	7.707	56	169401	20.331	ug/l	95
32) 1,1,1-Trichloroethane	7.622	97	163686	20.260	ug/l	99
36) 1,1-Dichloropropene	7.835	75	138096	20.244	ug/l	99
37) Ethyl Acetate	6.988	43	63941	21.721	ug/l	96
38) Carbon Tetrachloride	7.817	117	142237	19.761	ug/l	97
39) Methylcyclohexane	9.109	83	177800	20.141	ug/l	94
40) Benzene	8.079	78	421633	20.103	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022840.D
 Acq On : 26 Jun 2025 11:09
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:24:35 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)
41) Methacrylonitrile	7.232	41	32720m	18.055	ug/l	
42) 1,2-Dichloroethane	8.164	62	115601	20.114	ug/l	100
43) Isopropyl Acetate	8.201	43	126731	20.714	ug/l	98
44) Trichloroethene	8.866	130	109279	20.752	ug/l	99
45) 1,2-Dichloropropane	9.140	63	98526	20.071	ug/l	99
46) Dibromomethane	9.231	93	55463	19.904	ug/l	95
47) Bromodichloromethane	9.426	83	145403	20.235	ug/l	96
48) Methyl methacrylate	9.219	41	57700	19.618	ug/l	94
49) 1,4-Dioxane	9.237	88	12972	394.021	ug/l	99
51) 4-Methyl-2-Pentanone	9.999	43	327464	105.326	ug/l	95
52) Toluene	10.170	92	264441	19.985	ug/l	98
53) t-1,3-Dichloropropene	10.396	75	129063	19.963	ug/l	96
54) cis-1,3-Dichloropropene	9.859	75	152185	20.301	ug/l	98
55) 1,1,2-Trichloroethane	10.573	97	72736	20.158	ug/l	96
56) Ethyl methacrylate	10.438	69	97480	20.080	ug/l	96
57) 1,3-Dichloropropane	10.719	76	129095	20.506	ug/l	100
58) 2-Chloroethyl Vinyl ether	9.713	63	243132	104.978	ug/l	99
59) 2-Hexanone	10.762	43	248724	117.668	ug/l	97
60) Dibromochloromethane	10.914	129	93288	20.016	ug/l	99
61) 1,2-Dibromoethane	11.018	107	67523	19.998	ug/l	97
64) Tetrachloroethene	10.646	164	125228	20.782	ug/l	97
65) Chlorobenzene	11.444	112	279293	19.927	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91277	19.228	ug/l	97
67) Ethyl Benzene	11.518	91	488351	19.831	ug/l	100
68) m/p-Xylenes	11.627	106	379404	39.856	ug/l	99
69) o-Xylene	11.956	106	177426	19.781	ug/l	99
70) Styrene	11.969	104	296661	19.745	ug/l	99
71) Bromoform	12.133	173	51209	19.373	ug/l #	98
73) Isopropylbenzene	12.255	105	457536	20.453	ug/l	99
74) N-amyl acetate	12.072	43	107487	21.407	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	74768	20.739	ug/l	98
76) 1,2,3-Trichloropropane	12.554	75	61465m	19.905	ug/l	
77) Bromobenzene	12.530	156	102739	20.262	ug/l	98
78) n-propylbenzene	12.597	91	563739	20.873	ug/l	99
79) 2-Chlorotoluene	12.682	91	312924	20.507	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	372151	20.608	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	25482	20.848	ug/l	98
82) 4-Chlorotoluene	12.779	91	325338	20.298	ug/l	100
83) tert-Butylbenzene	12.999	119	329113	20.665	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	371892	20.570	ug/l	99
85) sec-Butylbenzene	13.176	105	500578	20.891	ug/l	100
86) p-Isopropyltoluene	13.292	119	408150	20.468	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	206675	20.296	ug/l	99
88) 1,4-Dichlorobenzene	13.365	146	202641	20.033	ug/l	98
89) n-Butylbenzene	13.615	91	386853	20.625	ug/l	99
90) Hexachloroethane	13.877	117	80122	20.174	ug/l	95
91) 1,2-Dichlorobenzene	13.657	146	180806	20.148	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	14.273	75	12353	20.205	ug/l	99
93) 1,2,4-Trichlorobenzene	14.919	180	100273	19.790	ug/l	97
94) Hexachlorobutadiene	15.023	225	56997	19.893	ug/l	98
95) Naphthalene	15.145	128	181412	19.799	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	85239	19.468	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:24:35 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)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

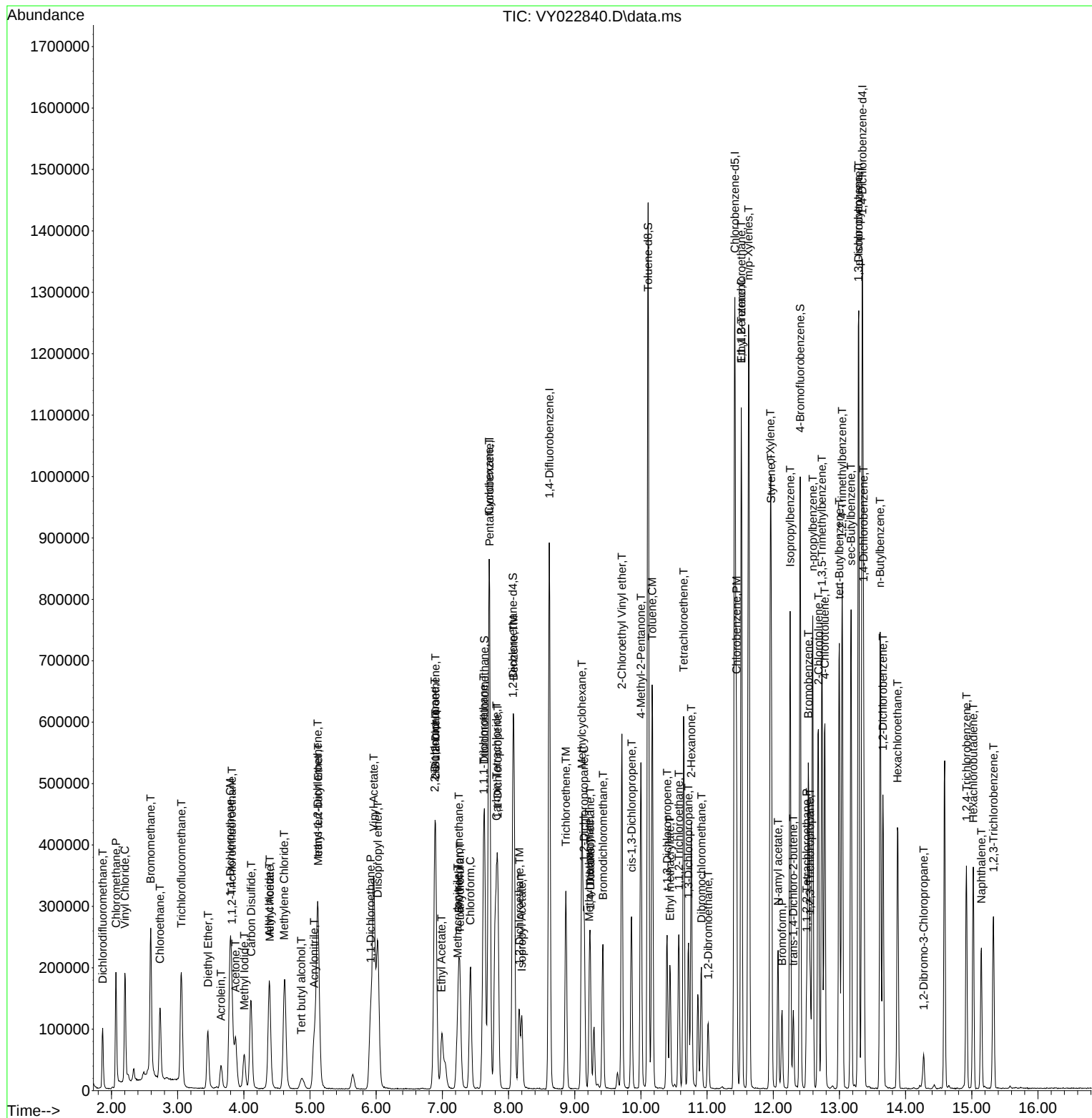
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Data File : VY022840.D
Acq On : 26 Jun 2025 11:09
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:24:35 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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022841.D
 Acq On : 26 Jun 2025 11:32
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:25:24 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	431722	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.616	114	725692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.414	117	622886	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.347	152	291493	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.061	65	244555	50.754	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 101.500%	
35) Dibromofluoromethane	7.634	113	220940	50.062	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 100.120%	
50) Toluene-d8	10.109	98	893252	51.006	ug/l	0.00
Spiked Amount	50.000	Range	58 - 134	Recovery	= 102.020%	
62) 4-Bromofluorobenzene	12.402	95	272299	48.368	ug/l	0.00
Spiked Amount	50.000	Range	30 - 143	Recovery	= 96.740%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.867	85	77971	21.121	ug/l	100
3) Chloromethane	2.068	50	131654	18.676	ug/l	98
4) Vinyl Chloride	2.202	62	167129	18.977	ug/l	98
5) Bromomethane	2.592	94	143782	20.767	ug/l	98
6) Chloroethane	2.733	64	113552	19.181	ug/l	94
7) Trichlorofluoromethane	3.056	101	184620	18.932	ug/l	97
8) Diethyl Ether	3.452	74	48873	20.291	ug/l	99
9) 1,1,2-Trichlorotrifluo...	3.818	101	94942	21.304	ug/l	99
10) Methyl Iodide	4.001	142	94153	19.404	ug/l	98
11) Tert butyl alcohol	4.866	59	31376	97.930	ug/l	98
12) 1,1-Dichloroethene	3.787	96	89726	20.533	ug/l	98
13) Acrolein	3.653	56	41381	95.248	ug/l	100
14) Allyl chloride	4.385	41	135494	20.159	ug/l	96
15) Acrylonitrile	5.061	53	105746	105.228	ug/l	98
16) Acetone	3.873	43	112256	123.260	ug/l	96
17) Carbon Disulfide	4.104	76	288366	20.427	ug/l	98
18) Methyl Acetate	4.385	43	51355	17.027	ug/l	97
19) Methyl tert-butyl Ether	5.116	73	239926	20.164	ug/l	99
20) Methylene Chloride	4.616	84	112271	19.520	ug/l	95
21) trans-1,2-Dichloroethene	5.116	96	99960	20.015	ug/l	99
22) Diisopropyl ether	6.019	45	305873	20.491	ug/l	98
23) Vinyl Acetate	5.964	43	864056	104.812	ug/l	99
24) 1,1-Dichloroethane	5.915	63	184267	20.437	ug/l	99
25) 2-Butanone	6.896	43	147329	111.151	ug/l	96
26) 2,2-Dichloropropane	6.884	77	157099	20.786	ug/l	98
27) cis-1,2-Dichloroethene	6.890	96	116270	20.035	ug/l	99
28) Bromochloromethane	7.244	49	76768	20.253	ug/l	95
29) Tetrahydrofuran	7.262	42	86572	103.434	ug/l	99
30) Chloroform	7.421	83	186363	20.068	ug/l	94
31) Cyclohexane	7.701	56	170893	20.648	ug/l	97
32) 1,1,1-Trichloroethane	7.622	97	163395	20.361	ug/l	99
36) 1,1-Dichloropropene	7.835	75	137574	20.566	ug/l	99
37) Ethyl Acetate	6.988	43	58883	20.398	ug/l #	98
38) Carbon Tetrachloride	7.817	117	142015	20.120	ug/l	98
39) Methylcyclohexane	9.109	83	178730	20.646	ug/l	99
40) Benzene	8.085	78	423392	20.586	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
 Data File : VY022841.D
 Acq On : 26 Jun 2025 11:32
 Operator : SY/MD
 Sample : VY0626SBS01
 Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 VY0626SBS01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
 Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:25:24 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)
41) Methacrylonitrile	7.226	41	32334m	18.195	ug/l	
42) 1,2-Dichloroethane	8.158	62	115476	20.489	ug/l	99
43) Isopropyl Acetate	8.201	43	120156	20.028	ug/l	96
44) Trichloroethene	8.866	130	105203	20.373	ug/l	95
45) 1,2-Dichloropropane	9.140	63	96590	20.066	ug/l	100
46) Dibromomethane	9.231	93	54676	20.009	ug/l	97
47) Bromodichloromethane	9.426	83	142643	20.243	ug/l	98
48) Methyl methacrylate	9.219	41	57925	20.084	ug/l	95
49) 1,4-Dioxane	9.231	88	12765	395.397	ug/l	94
51) 4-Methyl-2-Pentanone	10.000	43	306425	100.507	ug/l	96
52) Toluene	10.170	92	261214	20.131	ug/l	100
53) t-1,3-Dichloropropene	10.396	75	126660	19.978	ug/l	100
54) cis-1,3-Dichloropropene	9.859	75	147856	20.114	ug/l	94
55) 1,1,2-Trichloroethane	10.573	97	71287	20.147	ug/l	98
56) Ethyl methacrylate	10.438	69	94387	19.827	ug/l	95
57) 1,3-Dichloropropane	10.719	76	122400	19.827	ug/l	98
58) 2-Chloroethyl Vinyl ether	9.713	63	234078	103.352	ug/l	98
59) 2-Hexanone	10.762	43	215607	104.017	ug/l	98
60) Dibromochloromethane	10.908	129	90992	19.909	ug/l	96
61) 1,2-Dibromoethane	11.018	107	65204	19.693	ug/l	97
64) Tetrachloroethene	10.646	164	121528	20.653	ug/l	97
65) Chlorobenzene	11.438	112	276891	20.231	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.518	131	91745	19.791	ug/l	99
67) Ethyl Benzene	11.518	91	486832	20.244	ug/l	100
68) m/p-Xylenes	11.627	106	371196	39.931	ug/l	99
69) o-Xylene	11.957	106	173753	19.837	ug/l	99
70) Styrene	11.969	104	290652	19.810	ug/l	99
71) Bromoform	12.133	173	48280	18.704	ug/l #	96
73) Isopropylbenzene	12.255	105	456600	21.180	ug/l	100
74) N-amyl acetate	12.072	43	103202	21.327	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.505	83	71988	20.719	ug/l	99
76) 1,2,3-Trichloropropane	12.554	75	66901m	22.481	ug/l	
77) Bromobenzene	12.530	156	100718	20.612	ug/l	99
78) n-propylbenzene	12.597	91	549537	21.113	ug/l	98
79) 2-Chlorotoluene	12.676	91	308974	21.011	ug/l	100
80) 1,3,5-Trimethylbenzene	12.737	105	361474	20.771	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.304	75	24625	20.905	ug/l	98
82) 4-Chlorotoluene	12.773	91	318085	20.593	ug/l	100
83) tert-Butylbenzene	12.993	119	323383	21.070	ug/l	99
84) 1,2,4-Trimethylbenzene	13.042	105	363709	20.875	ug/l	98
85) sec-Butylbenzene	13.176	105	487486	21.110	ug/l	99
86) p-Isopropyltoluene	13.292	119	396055	20.610	ug/l	100
87) 1,3-Dichlorobenzene	13.286	146	202705	20.655	ug/l	98
88) 1,4-Dichlorobenzene	13.365	146	196300	20.137	ug/l	98
89) n-Butylbenzene	13.615	91	375321	20.763	ug/l	100
90) Hexachloroethane	13.877	117	79334	20.728	ug/l	98
91) 1,2-Dichlorobenzene	13.657	146	172751	19.975	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.273	75	11922	20.234	ug/l	95
93) 1,2,4-Trichlorobenzene	14.919	180	94290	19.310	ug/l	97
94) Hexachlorobutadiene	15.023	225	54517	19.744	ug/l	98
95) Naphthalene	15.139	128	166882	18.899	ug/l	99
96) 1,2,3-Trichlorobenzene	15.328	180	78871	18.692	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY062625\
Data File : VY022841.D
Acq On : 26 Jun 2025 11:32
Operator : SY/MD
Sample : VY0626SBS01
Misc : 5.00g/5.0mL/MSVOA_Y/SOIL
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBS01

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025

Quant Time: Jun 27 01:25:24 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

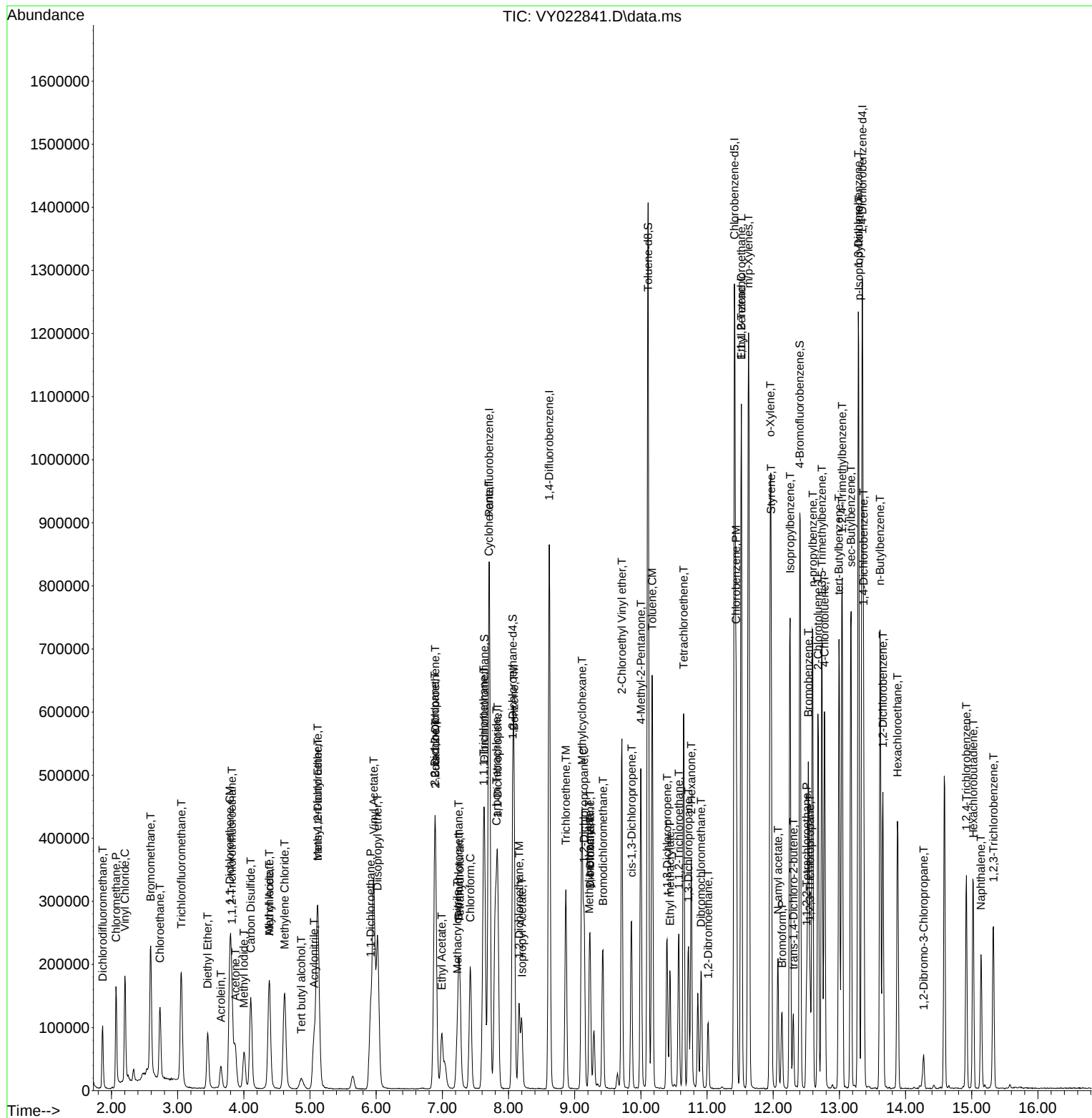
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_Y
ClientSampleId :
VY0626SBSD01

Manual Integrations APPROVED

Reviewed By :Mahesh Dadoda 06/27/2025
Supervised By :Semsettin Yesilyurt 06/27/2025



Manual Integration Report

Sequence:	vx061725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VX046718.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:26:54 PM	MMDadoda	6/18/2025 6:21:14 PM	Peak Integrated by Software
VSTDICC020	VX046719.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:04 PM	MMDadoda	6/18/2025 6:21:20 PM	Peak Integrated by Software
VSTDICCC050	VX046720.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:12 PM	MMDadoda	6/18/2025 6:21:32 PM	Peak Integrated by Software
VSTDICC100	VX046721.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:20 PM	MMDadoda	6/18/2025 6:21:40 PM	Peak Integrated by Software
VSTDICC150	VX046722.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:27 PM	MMDadoda	6/18/2025 6:21:48 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	1,4-Dichlorobenzene	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	2,2-Dichloropropane	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Chloroform	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Ethyl Acetate	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICC001	VX046725.D	Methacrylonitrile	Sam	6/18/2025 5:27:40 PM	MMDadoda	6/18/2025 6:22:02 PM	Peak Integrated by Software
VSTDICV050	VX046726.D	1,2,3-Trichloropropane	Sam	6/18/2025 5:27:47 PM	MMDadoda	6/18/2025 6:22:09 PM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

vx061725

Instrument

MSVOA_x

Sample ID

File ID

Parameter

Review By

Review On

Supervised
By

Supervised On

Reason

Manual Integration Report

Sequence:	VX062325	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX046804.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:17 AM	Sam	6/24/2025 8:28:14 AM	Peak Integrated by Software
VX0623MBS01	VX046807.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:20 AM	Sam	6/24/2025 8:28:16 AM	Peak Integrated by Software
VSTDCCC050	VX046826.D	1,2,3-Trichloropropane	MMDadoda	6/24/2025 8:23:30 AM	Sam	6/24/2025 8:28:25 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY062325	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VY022776.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC005	VY022776.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:02 AM	Sam	6/24/2025 8:27:42 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC010	VY022777.D	Methacrylonitrile	MMDadod a	6/24/2025 8:23:58 AM	Sam	6/24/2025 8:27:46 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:24:01 AM	Sam	6/24/2025 8:27:48 AM	Peak Integrated by Software
VSTDIC020	VY022778.D	Methacrylonitrile	MMDadod a	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	MMDadod a	6/24/2025 8:24:00 AM	Sam	6/24/2025 8:27:51 AM	Peak Integrated by Software
VSTDIC100	VY022780.D	1,2,3-Trichloropropane	MMDadod a	6/24/2025 8:23:59 AM	Sam	6/24/2025 8:27:52 AM	Peak Integrated by Software
VSTDIC150	VY022781.D	1,2,3-Trichloropropane	MMDadod a	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	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software
VSTDICV050	VY022783.D	Methacrylonitrile	MMDadod a	6/24/2025 8:24:03 AM	Sam	6/24/2025 8:27:54 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VY062625	Instrument	MSVOA_y
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VY022838.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:03 AM	Sam	6/27/2025 10:50:46 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBS01	VY022840.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:11 AM	Sam	6/27/2025 10:50:52 AM	Peak Integrated by Software
VY0626SBSD0 1	VY022841.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VY0626SBSD0 1	VY022841.D	Methacrylonitrile	MMDadoda	6/27/2025 10:45:17 AM	Sam	6/27/2025 10:50:58 AM	Peak Integrated by Software
VSTDCCC050	VY022850.D	1,2,3-Trichloropropane	MMDadoda	6/27/2025 10:45:37 AM	Sam	6/27/2025 10:51:20 AM	Peak Integrated by Software

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Mahesh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134389		
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134396		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046715.D	17 Jun 2025 08:46	JC/MD	Ok
2	VSTDIC001	VX046716.D	17 Jun 2025 10:09	JC/MD	Not Ok
3	VSTDIC001	VX046717.D	17 Jun 2025 10:58	JC/MD	ReRun
4	VSTDIC005	VX046718.D	17 Jun 2025 11:19	JC/MD	Ok,M
5	VSTDIC020	VX046719.D	17 Jun 2025 13:59	JC/MD	Ok,M
6	VSTDIC050	VX046720.D	17 Jun 2025 14:20	JC/MD	Ok,M
7	VSTDIC100	VX046721.D	17 Jun 2025 14:41	JC/MD	Ok,M
8	VSTDIC150	VX046722.D	17 Jun 2025 15:02	JC/MD	Ok,M
9	IBLK	VX046723.D	17 Jun 2025 15:23	JC/MD	Ok
10	VSTDIC001	VX046724.D	17 Jun 2025 16:20	JC/MD	Not Ok
11	VSTDIC001	VX046725.D	17 Jun 2025 17:18	JC/MD	Ok,M
12	VSTDICV050	VX046726.D	17 Jun 2025 18:00	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM
SubDirectory	VX062325	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134474		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134475,VP134476		

Sr #	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX046803.D	23 Jun 2025 08:05	JC/MD	Ok
2	VSTDCCC050	VX046804.D	23 Jun 2025 09:03	JC/MD	Ok,M
3	VX0623MBL01	VX046805.D	23 Jun 2025 09:31	JC/MD	Ok
4	VX0623WBL01	VX046806.D	23 Jun 2025 09:52	JC/MD	Ok
5	VX0623MBS01	VX046807.D	23 Jun 2025 10:13	JC/MD	Ok,M
6	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40	JC/MD	Ok,M
7	Q2355-01	VX046809.D	23 Jun 2025 11:01	JC/MD	Ok
8	Q2354-01	VX046810.D	23 Jun 2025 11:22	JC/MD	Not Ok
9	IBLK	VX046811.D	23 Jun 2025 11:43	JC/MD	Ok
10	VX0623WBS01	VX046812.D	23 Jun 2025 12:04	JC/MD	Ok,M
11	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42	JC/MD	Ok,M
12	Q2354-01	VX046814.D	23 Jun 2025 13:03	JC/MD	Ok,M
13	IBLK	VX046815.D	23 Jun 2025 13:24	JC/MD	Ok
14	IBLK	VX046816.D	23 Jun 2025 13:46	JC/MD	Ok
15	Q2371-06	VX046817.D	23 Jun 2025 14:07	JC/MD	Not Ok
16	Q2371-05	VX046818.D	23 Jun 2025 14:28	JC/MD	Dilution
17	Q2371-04	VX046819.D	23 Jun 2025 14:50	JC/MD	Dilution
18	IBLK	VX046820.D	23 Jun 2025 15:11	JC/MD	Ok
19	IBLK	VX046821.D	23 Jun 2025 15:33	JC/MD	Ok
20	IBLK	VX046822.D	23 Jun 2025 15:55	JC/MD	Ok
21	Q2371-06	VX046823.D	23 Jun 2025 16:16	JC/MD	Not Ok

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX062325

Review By	Maresh Dadoda	Review On	6/24/2025 8:24:19 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM
SubDirectory	VX062325	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134474		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134475,VP134476		

22	Q2371-04DL	VX046824.D	23 Jun 2025 16:38	JC/MD	Ok
23	Q2371-05DL	VX046825.D	23 Jun 2025 16:59	JC/MD	Ok
24	VSTDCCC050	VX046826.D	23 Jun 2025 17:20	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QC Batch 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	VSTDIC005	VY022776.D	23 Jun 2025 13:38	SY/MD	Ok,M
3	VSTDIC010	VY022777.D	23 Jun 2025 14:00	SY/MD	Ok,M
4	VSTDIC020	VY022778.D	23 Jun 2025 14:23	SY/MD	Ok,M
5	VSTDIC050	VY022779.D	23 Jun 2025 14:46	SY/MD	Ok,M
6	VSTDIC100	VY022780.D	23 Jun 2025 15:08	SY/MD	Ok,M
7	VSTDIC150	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

Instrument ID: **MSVOA_Y**

Daily Analysis Runlog For Sequence/QCBatch ID # VY062625

Review By	Mahesh Dadoda	Review On	6/27/2025 10:46:03 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM		
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y	HP Processing Method	82y062325s.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP134542			
CCC		VP134543,VP134544			
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	VY022837.D	26 Jun 2025 08:22	SY/MD	Ok
2	VSTDCCC050	VY022838.D	26 Jun 2025 10:07	SY/MD	Ok,M
3	VY0626SBL01	VY022839.D	26 Jun 2025 10:39	SY/MD	Ok
4	VY0626SBS01	VY022840.D	26 Jun 2025 11:09	SY/MD	Ok,M
5	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32	SY/MD	Ok,M
6	Q2419-01	VY022842.D	26 Jun 2025 12:10	SY/MD	ReRun
7	Q2405-03RE	VY022843.D	26 Jun 2025 12:33	SY/MD	Confirms
8	Q2413-01	VY022844.D	26 Jun 2025 12:56	SY/MD	Ok
9	Q2413-06	VY022845.D	26 Jun 2025 13:20	SY/MD	Ok
10	Q2371-06	VY022846.D	26 Jun 2025 13:43	SY/MD	Ok
11	Q2419-01RE	VY022847.D	26 Jun 2025 14:07	SY/MD	Confirms
12	Q2429-03	VY022848.D	26 Jun 2025 14:30	SY/MD	Ok
13	Q2430-03	VY022849.D	26 Jun 2025 14:54	SY/MD	Ok
14	VSTDCCC050	VY022850.D	26 Jun 2025 15:19	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX061725

Review By	Semsettin Yesilyurt	Review On	6/18/2025 5:28:16 PM
Supervise By	Maresh Dadoda	Supervise On	6/18/2025 6:22:48 PM
SubDirectory	VX061725	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP134389		
Initial Calibration Stds	VP134390,VP134391,VP134392,VP134393,VP134394,VP134395		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP134396		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046715.D	17 Jun 2025 08:46		JC/MD	Ok
2	VSTDICC001	VSTDICC001	VX046716.D	17 Jun 2025 10:09	RRF check	JC/MD	Not Ok
3	VSTDICC001	VSTDICC001	VX046717.D	17 Jun 2025 10:58	low response	JC/MD	ReRun
4	VSTDICC005	VSTDICC005	VX046718.D	17 Jun 2025 11:19		JC/MD	Ok,M
5	VSTDICC020	VSTDICC020	VX046719.D	17 Jun 2025 13:59	LR- 10,49	JC/MD	Ok,M
6	VSTDICCC050	VSTDICCC050	VX046720.D	17 Jun 2025 14:20		JC/MD	Ok,M
7	VSTDICC100	VSTDICC100	VX046721.D	17 Jun 2025 14:41		JC/MD	Ok,M
8	VSTDICC150	VSTDICC150	VX046722.D	17 Jun 2025 15:02		JC/MD	Ok,M
9	IBLK	IBLK	VX046723.D	17 Jun 2025 15:23		JC/MD	Ok
10	VSTDICC001	VSTDICC001	VX046724.D	17 Jun 2025 16:20	spike error	JC/MD	Not Ok
11	VSTDICC001	VSTDICC001	VX046725.D	17 Jun 2025 17:18		JC/MD	Ok,M
12	VSTDICV050	ICVVX061725	VX046726.D	17 Jun 2025 18:00		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX062325

Review By	Mahesh Dadoda	Review On	6/24/2025 8:24:19 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM
SubDirectory	VX062325	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134474		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134475,VP134476		

Sr #	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX046803.D	23 Jun 2025 08:05		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX046804.D	23 Jun 2025 09:03		JC/MD	Ok,M
3	VX0623MBL01	VX0623MBL01	VX046805.D	23 Jun 2025 09:31		JC/MD	Ok
4	VX0623WBL01	VX0623WBL01	VX046806.D	23 Jun 2025 09:52		JC/MD	Ok
5	VX0623MBS01	VX0623MBS01	VX046807.D	23 Jun 2025 10:13		JC/MD	Ok,M
6	VX0623MBSD01	VX0623MBSD01	VX046808.D	23 Jun 2025 10:40		JC/MD	Ok,M
7	Q2355-01	3897	VX046809.D	23 Jun 2025 11:01	cloth material	JC/MD	Ok
8	Q2354-01	3321	VX046810.D	23 Jun 2025 11:22	Need Straight Run	JC/MD	Not Ok
9	IBLK	IBLK	VX046811.D	23 Jun 2025 11:43		JC/MD	Ok
10	VX0623WBS01	VX0623WBS01	VX046812.D	23 Jun 2025 12:04		JC/MD	Ok,M
11	VX0623WBSD01	VX0623WBSD01	VX046813.D	23 Jun 2025 12:42		JC/MD	Ok,M
12	Q2354-01	3321	VX046814.D	23 Jun 2025 13:03		JC/MD	Ok,M
13	IBLK	IBLK	VX046815.D	23 Jun 2025 13:24		JC/MD	Ok
14	IBLK	IBLK	VX046816.D	23 Jun 2025 13:46		JC/MD	Ok
15	Q2371-06	GBUFF1	VX046817.D	23 Jun 2025 14:07	Need Straight Run	JC/MD	Not Ok
16	Q2371-05	BBX42025	VX046818.D	23 Jun 2025 14:28	Need 2500X	JC/MD	Dilution
17	Q2371-04	RPXY42025	VX046819.D	23 Jun 2025 14:50	Need 800X	JC/MD	Dilution
18	IBLK	IBLK	VX046820.D	23 Jun 2025 15:11		JC/MD	Ok

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX062325

Review By	Maresh Dadoda	Review On	6/24/2025 8:24:19 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/24/2025 8:28:55 AM
SubDirectory	VX062325	HP Acquire Method	HP Processing Method 82X061725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134474		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP134475,VP134476		

19	IBLK	IBLK	VX046821.D	23 Jun 2025 15:33		JC/MD	Ok
20	IBLK	IBLK	VX046822.D	23 Jun 2025 15:55		JC/MD	Ok
21	Q2371-06	GBUFF1	VX046823.D	23 Jun 2025 16:16	need low level soil	JC/MD	Not Ok
22	Q2371-04DL	RPXY42025DL	VX046824.D	23 Jun 2025 16:38		JC/MD	Ok
23	Q2371-05DL	BBX42025DL	VX046825.D	23 Jun 2025 16:59		JC/MD	Ok
24	VSTDCCC050	VSTDCCC050EC	VX046826.D	23 Jun 2025 17:20		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch 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 #	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VY022775.D	23 Jun 2025 10:17		SY/MD	Ok
2	VSTDIC005	VSTDIC005	VY022776.D	23 Jun 2025 13:38	LR- 58	SY/MD	Ok,M
3	VSTDIC010	VSTDIC010	VY022777.D	23 Jun 2025 14:00		SY/MD	Ok,M
4	VSTDIC020	VSTDIC020	VY022778.D	23 Jun 2025 14:23		SY/MD	Ok,M
5	VSTDIC050	VSTDIC050	VY022779.D	23 Jun 2025 14:46		SY/MD	Ok,M
6	VSTDIC100	VSTDIC100	VY022780.D	23 Jun 2025 15:08		SY/MD	Ok,M
7	VSTDIC150	VSTDIC150	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

Instrument ID: MSVOA_Y

Daily Analysis Runlog For Sequence/QC Batch ID # VY062625

Review By	Maresh Dadoda	Review On	6/27/2025 10:46:03 AM
Supervise By	Semsettin Yesilyurt	Supervise On	6/27/2025 10:51:29 AM
SubDirectory	VY062625	HP Acquire Method	MSVOA_Y HP Processing Method 82y062325s.m
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP134542		
CCC	VP134543,VP134544		
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	VY022837.D	26 Jun 2025 08:22		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VY022838.D	26 Jun 2025 10:07		SY/MD	Ok,M
3	VY0626SBL01	VY0626SBL01	VY022839.D	26 Jun 2025 10:39		SY/MD	Ok
4	VY0626SBS01	VY0626SBS01	VY022840.D	26 Jun 2025 11:09		SY/MD	Ok,M
5	VY0626SBSD01	VY0626SBSD01	VY022841.D	26 Jun 2025 11:32		SY/MD	Ok,M
6	Q2419-01	EO-3-6-25-2025	VY022842.D	26 Jun 2025 12:10	vial-A Internal Standard Fail	SY/MD	ReRun
7	Q2405-03RE	MH-M/N-VOCRE	VY022843.D	26 Jun 2025 12:33	vial-B Internal Standard Fail	SY/MD	Confirms
8	Q2413-01	TP-35	VY022844.D	26 Jun 2025 12:56	vial-B	SY/MD	Ok
9	Q2413-06	TP-72	VY022845.D	26 Jun 2025 13:20	vial-B	SY/MD	Ok
10	Q2371-06	GBUFF1	VY022846.D	26 Jun 2025 13:43	vial-A	SY/MD	Ok
11	Q2419-01RE	EO-3-6-25-2025RE	VY022847.D	26 Jun 2025 14:07	vial-B Internal Standard Fail	SY/MD	Confirms
12	Q2429-03	TP-4-VOC	VY022848.D	26 Jun 2025 14:30	vial-A	SY/MD	Ok
13	Q2430-03	MH-E/F-VOC	VY022849.D	26 Jun 2025 14:54	vial-A	SY/MD	Ok
14	VSTDCCC050	VSTDCCC050EC	VY022850.D	26 Jun 2025 15:19		SY/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q2371	OrderDate:	6/19/2025 2:53:00 PM
Client:	G Environmental	Project:	Buff
Contact:	Gary Landis	Location:	D51,VOA Ref. #2 Soil,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q2371-04	RPXY42025	SOIL	VOC-TCLVOA-10	8260D	06/19/25		06/23/25	06/19/25
Q2371-04DL	RPXY42025DL	SOIL	VOC-TCLVOA-10	8260D	06/19/25		06/23/25	06/19/25
Q2371-05	BBX42025	SOIL	VOC-TCLVOA-10	8260D	06/19/25		06/23/25	06/19/25
Q2371-05DL	BBX42025DL	SOIL	VOC-TCLVOA-10	8260D	06/19/25		06/23/25	06/19/25
Q2371-06	GBUFF1	SOIL	VOC-TCLVOA-10	8260D	06/19/25		06/23/25	06/19/25