

Hit Summary Sheet
SW-846

SDG No.: Q3172

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	FW7D							
Q3172-01	FW7D	Water	Vinyl Chloride	53.5		0.26	1.00	ug/L
Q3172-01	FW7D	Water	1,1-Dichloroethene	9.30		0.23	1.00	ug/L
Q3172-01	FW7D	Water	Carbon Disulfide	0.94	J	0.21	1.00	ug/L
Q3172-01	FW7D	Water	trans-1,2-Dichloroethene	77.7		0.23	1.00	ug/L
Q3172-01	FW7D	Water	1,1-Dichloroethane	0.34	J	0.23	1.00	ug/L
Q3172-01	FW7D	Water	Cyclohexane	3.30	J	1.50	5.00	ug/L
Q3172-01	FW7D	Water	cis-1,2-Dichloroethene	1200	E	0.19	1.00	ug/L
Q3172-01	FW7D	Water	Chloroform	1.00		0.25	1.00	ug/L
Q3172-01	FW7D	Water	Methylcyclohexane	4.20		0.16	1.00	ug/L
Q3172-01	FW7D	Water	Benzene	39.2		0.15	1.00	ug/L
Q3172-01	FW7D	Water	Trichloroethene	1900	E	0.090	1.00	ug/L
Q3172-01	FW7D	Water	Toluene	4.60		0.14	1.00	ug/L
Q3172-01	FW7D	Water	Tetrachloroethene	2.10		0.23	1.00	ug/L
Q3172-01	FW7D	Water	Chlorobenzene	1600	E	0.12	1.00	ug/L
Q3172-01	FW7D	Water	Ethyl Benzene	3.00		0.13	1.00	ug/L
Q3172-01	FW7D	Water	m/p-Xylenes	4.30		0.24	2.00	ug/L
Q3172-01	FW7D	Water	o-Xylene	1.50		0.12	1.00	ug/L
Q3172-01	FW7D	Water	Isopropylbenzene	0.81	J	0.12	1.00	ug/L
Q3172-01	FW7D	Water	1,3-Dichlorobenzene	3.60		0.16	1.00	ug/L
Q3172-01	FW7D	Water	1,4-Dichlorobenzene	51.1		0.19	1.00	ug/L
Q3172-01	FW7D	Water	1,2-Dichlorobenzene	80.7		0.16	1.00	ug/L
			Total Voc :			5040		
Q3172-01	FW7D	Water	Diethyl Ether	* 3.00	J	0.31	1.00	ug/L
Q3172-01	FW7D	Water	Bromobenzene	* 1.10	J	0.24	1.00	ug/L
Q3172-01	FW7D	Water	2-Chlorotoluene	* 4.50	J	0.14	1.00	ug/L
Q3172-01	FW7D	Water	tert-Butylbenzene	* 0.67	J	0.14	1.00	ug/L
Q3172-01	FW7D	Water	1,2,4-Trimethylbenzene	* 0.57	J	0.14	1.00	ug/L
Q3172-01	FW7D	Water	Naphthalene	* 0.43	J	0.20	1.00	ug/L
Q3172-01	FW7D	Water	Diisopropyl ether	* 2.80	J	0.15	1.00	ug/L
			Total Tics :			13.1		
			Total Concentration:			5050		
Client ID:	FW7DDL							
Q3172-01DL	FW7DDL	Water	Vinyl Chloride	29.8	JD	26.0	100	ug/L
Q3172-01DL	FW7DDL	Water	trans-1,2-Dichloroethene	39.1	JD	23.0	100	ug/L
Q3172-01DL	FW7DDL	Water	cis-1,2-Dichloroethene	550	D	19.0	100	ug/L
Q3172-01DL	FW7DDL	Water	Trichloroethene	1500	D	9.30	100	ug/L

Hit Summary Sheet
SW-846

SDG No.: Q3172

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3172-01DL	FW7DDL	Water	Chlorobenzene	8200	D	12.0	100	ug/L
			Total Voc :	10300				
			Total Concentration:	10300				
Client ID:	FW6D							
Q3172-02	FW6D	Water	Acetone	5.90		1.50	5.00	ug/L
Q3172-02	FW6D	Water	Methyl tert-butyl Ether	0.41	J	0.16	1.00	ug/L
Q3172-02	FW6D	Water	Methyl Acetate	1.20		0.27	1.00	ug/L
Q3172-02	FW6D	Water	trans-1,2-Dichloroethene	1.30		0.23	1.00	ug/L
Q3172-02	FW6D	Water	cis-1,2-Dichloroethene	2.60		0.19	1.00	ug/L
Q3172-02	FW6D	Water	Benzene	0.46	J	0.15	1.00	ug/L
Q3172-02	FW6D	Water	Trichloroethene	5.40		0.090	1.00	ug/L
Q3172-02	FW6D	Water	Toluene	0.50	J	0.14	1.00	ug/L
Q3172-02	FW6D	Water	Chlorobenzene	200	E	0.12	1.00	ug/L
Q3172-02	FW6D	Water	Ethyl Benzene	0.49	J	0.13	1.00	ug/L
Q3172-02	FW6D	Water	m/p-Xylenes	0.77	J	0.24	2.00	ug/L
Q3172-02	FW6D	Water	1,3-Dichlorobenzene	0.54	J	0.16	1.00	ug/L
Q3172-02	FW6D	Water	1,4-Dichlorobenzene	6.10		0.19	1.00	ug/L
Q3172-02	FW6D	Water	1,2-Dichlorobenzene	6.60		0.16	1.00	ug/L
			Total Voc :	232				
Q3172-02	FW6D	Water	1,2,4-Trimethylbenzene	* 0.52	J	0.14	1.00	ug/L
			Total Tics :	0.52				
			Total Concentration:	233				
Client ID:	FW6DDL							
Q3172-02DL	FW6DDL	Water	Chlorobenzene	100	D	0.48	4.00	ug/L
			Total Voc :	100				
			Total Concentration:	100				
Client ID:	GB3W							
Q3172-03	GB3W	Water	Acetone	3.10	J	1.50	5.00	ug/L
Q3172-03	GB3W	Water	Trichloroethene	0.92	J	0.090	1.00	ug/L
Q3172-03	GB3W	Water	Chlorobenzene	4.70		0.12	1.00	ug/L
Q3172-03	GB3W	Water	o-Xylene	0.53	J	0.12	1.00	ug/L
Q3172-03	GB3W	Water	Isopropylbenzene	1.50		0.12	1.00	ug/L
			Total Voc :	10.8				
Q3172-03	GB3W	Water	Naphthalene, 1-methyl-	* 58.4	J	0	0	ug/L
Q3172-03	GB3W	Water	Benzene, 1,2,4,5-tetramethyl-	* 13.4	J	0	0	ug/L
Q3172-03	GB3W	Water	Indane	* 10.7	J	0	0	ug/L
Q3172-03	GB3W	Water	Naphthalene, 1,7-dimethyl-	* 12.0	J	0	0	ug/L
Q3172-03	GB3W	Water	Naphthalene, 1,6-dimethyl-	* 19.7	J	0	0	ug/L

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SDG No.: Q3172

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3172-03	GB3W	Water	Naphthalene, 2,3-dimethyl-	* 27.5	J	0	0	ug/L
Q3172-03	GB3W	Water	Naphthalene, 2,7-dimethyl-	* 21.7	J	0	0	ug/L
Q3172-03	GB3W	Water	Benzene, 1-ethyl-2,3-dimethyl-	* 15.6	J	0	0	ug/L
Q3172-03	GB3W	Water	Benzene, (3-methyl-2-butenyl)-	* 18.6	J	0	0	ug/L
Q3172-03	GB3W	Water	Benzene, 1-ethenyl-3-ethyl-	* 19.9	J	0	0	ug/L
Q3172-03	GB3W	Water	1H-Indene, 2,3-dihydro-1,2-din	* 12.9	J	0	0	ug/L
Q3172-03	GB3W	Water	1H-Indene, 2,3-dihydro-1,6-din	* 11.5	J	0	0	ug/L
Q3172-03	GB3W	Water	n-propylbenzene	* 1.00	J	0.13	1.00	ug/L
Q3172-03	GB3W	Water	2-Chlorotoluene	* 4.10	J	0.14	1.00	ug/L
Q3172-03	GB3W	Water	tert-Butylbenzene	* 0.41	J	0.14	1.00	ug/L
Q3172-03	GB3W	Water	sec-Butylbenzene	* 0.69	J	0.13	1.00	ug/L
Q3172-03	GB3W	Water	n-Butylbenzene	* 0.67	J	0.15	1.00	ug/L
Total Tics :					249			
Total Concentration:					260			



SAMPLE DATA

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW7D		SDG No.:	Q3172	
Lab Sample ID:	Q3172-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039157.D	1	09/24/25 17:00	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	53.5		0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	9.30		0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.94	J	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	77.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.34	J	0.23	1.00	ug/L
110-82-7	Cyclohexane	3.30	J	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	1200	E	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	1.00		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	4.20		0.16	1.00	ug/L
71-43-2	Benzene	39.2		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	1900	E	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW7D		SDG No.:	Q3172	
Lab Sample ID:	Q3172-01		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039157.D	1	09/24/25 17:00	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	4.60		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	2.10		0.23	1.00	ug/L
108-90-7	Chlorobenzene	1600	E	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	3.00		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	4.30		0.24	2.00	ug/L
95-47-6	o-Xylene	1.50		0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.81	J	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	3.60		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	51.1		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	80.7		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	50.8		74 - 125	102%	SPK: 50
1868-53-7	Dibromofluoromethane	39.0		75 - 124	78%	SPK: 50
2037-26-5	Toluene-d8	41.6	*	86 - 113	83%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7		77 - 121	83%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	785000	4.6			
540-36-3	1,4-Difluorobenzene	1450000	5.532			
3114-55-4	Chlorobenzene-d5	1190000	8.805			
3855-82-1	1,4-Dichlorobenzene-d4	645000	11.172			

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW7D	SDG No.:	Q3172
Lab Sample ID:	Q3172-01	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000 uL
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039157.D	1	09/24/25 17:00	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
60-29-7	Diethyl Ether	3.00	J		1.92	ug/L
108-20-3	Diisopropyl ether	2.80	J		3.22	ug/L
108-86-1	Bromobenzene	1.10	J		10.2	ug/L
95-49-8	2-Chlorotoluene	4.50	J		10.4	ug/L
98-06-6	tert-Butylbenzene	0.67	J		10.8	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.57	J		10.8	ug/L
91-20-3	Naphthalene	0.43	J		13.4	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW7DDL	SDG No.:	Q3172
Lab Sample ID:	Q3172-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039182.D	100	09/25/25 15:33	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	22.0	UD	22.0	100	ug/L
74-87-3	Chloromethane	32.0	UD	32.0	100	ug/L
75-01-4	Vinyl Chloride	29.8	JD	26.0	100	ug/L
74-83-9	Bromomethane	140	UD	140	500	ug/L
75-00-3	Chloroethane	47.0	UD	47.0	100	ug/L
75-69-4	Trichlorofluoromethane	33.0	UD	33.0	100	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	25.0	UD	25.0	100	ug/L
75-65-0	Tert butyl alcohol	550	UD	550	2500	ug/L
75-35-4	1,1-Dichloroethene	23.0	UD	23.0	100	ug/L
67-64-1	Acetone	150	UD	150	500	ug/L
75-15-0	Carbon Disulfide	21.0	UD	21.0	100	ug/L
1634-04-4	Methyl tert-butyl Ether	16.0	UD	16.0	100	ug/L
79-20-9	Methyl Acetate	27.0	UD	27.0	100	ug/L
75-09-2	Methylene Chloride	28.0	UD	28.0	100	ug/L
156-60-5	trans-1,2-Dichloroethene	39.1	JD	23.0	100	ug/L
75-34-3	1,1-Dichloroethane	23.0	UD	23.0	100	ug/L
110-82-7	Cyclohexane	150	UD	150	500	ug/L
78-93-3	2-Butanone	98.0	UD	98.0	500	ug/L
56-23-5	Carbon Tetrachloride	25.0	UD	25.0	100	ug/L
156-59-2	cis-1,2-Dichloroethene	550	D	19.0	100	ug/L
74-97-5	Bromochloromethane	22.0	UD	22.0	100	ug/L
67-66-3	Chloroform	25.0	UD	25.0	100	ug/L
71-55-6	1,1,1-Trichloroethane	20.0	UD	20.0	100	ug/L
108-87-2	Methylcyclohexane	16.0	UD	16.0	100	ug/L
71-43-2	Benzene	15.0	UD	15.0	100	ug/L
107-06-2	1,2-Dichloroethane	22.0	UD	22.0	100	ug/L
79-01-6	Trichloroethene	1500	D	9.30	100	ug/L
78-87-5	1,2-Dichloropropane	20.0	UD	20.0	100	ug/L
75-27-4	Bromodichloromethane	22.0	UD	22.0	100	ug/L
108-10-1	4-Methyl-2-Pentanone	68.0	UD	68.0	500	ug/L

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW7DDL	SDG No.:	Q3172
Lab Sample ID:	Q3172-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039182.D	100	09/25/25 15:33	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	14.0	UD	14.0	100	ug/L
10061-02-6	t-1,3-Dichloropropene	17.0	UD	17.0	100	ug/L
10061-01-5	cis-1,3-Dichloropropene	16.0	UD	16.0	100	ug/L
79-00-5	1,1,2-Trichloroethane	21.0	UD	21.0	100	ug/L
591-78-6	2-Hexanone	89.0	UD	89.0	500	ug/L
124-48-1	Dibromochloromethane	18.0	UD	18.0	100	ug/L
106-93-4	1,2-Dibromoethane	15.0	UD	15.0	100	ug/L
127-18-4	Tetrachloroethene	23.0	UD	23.0	100	ug/L
108-90-7	Chlorobenzene	8200	D	12.0	100	ug/L
100-41-4	Ethyl Benzene	13.0	UD	13.0	100	ug/L
179601-23-1	m/p-Xylenes	24.0	UD	24.0	200	ug/L
95-47-6	o-Xylene	12.0	UD	12.0	100	ug/L
100-42-5	Styrene	15.0	UD	15.0	100	ug/L
75-25-2	Bromoform	19.0	UD	19.0	100	ug/L
98-82-8	Isopropylbenzene	12.0	UD	12.0	100	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	26.0	UD	26.0	100	ug/L
541-73-1	1,3-Dichlorobenzene	16.0	UD	16.0	100	ug/L
106-46-7	1,4-Dichlorobenzene	19.0	UD	19.0	100	ug/L
95-50-1	1,2-Dichlorobenzene	16.0	UD	16.0	100	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	53.0	UD	53.0	100	ug/L
120-82-1	1,2,4-Trichlorobenzene	20.0	UD	20.0	100	ug/L
87-61-6	1,2,3-Trichlorobenzene	20.0	UD	20.0	100	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	47.2		74 - 125	94%	SPK: 50
1868-53-7	Dibromofluoromethane	42.7		75 - 124	85%	SPK: 50
2037-26-5	Toluene-d8	39.9	*	86 - 113	80%	SPK: 50
460-00-4	4-Bromofluorobenzene	39.3		77 - 121	79%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	687000	4.6			
540-36-3	1,4-Difluorobenzene	1220000	5.535			
3114-55-4	Chlorobenzene-d5	1190000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	556000	11.175			

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW7DDL	SDG No.:	Q3172
Lab Sample ID:	Q3172-01DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
			uL
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039182.D	100	09/25/25 15:33	VV092525

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:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW6D	SDG No.:	Q3172
Lab Sample ID:	Q3172-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039158.D	1	09/24/25 17:22	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	5.90		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.41	J	0.16	1.00	ug/L
79-20-9	Methyl Acetate	1.20		0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	1.30		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	2.60		0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.46	J	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	5.40		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	UQ	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW6D		SDG No.:	Q3172	
Lab Sample ID:	Q3172-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039158.D	1	09/24/25 17:22	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.50	J	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	200	E	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.49	J	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.77	J	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.54	J	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	6.10		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	6.60		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.0		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	43.2		75 - 124	86%	SPK: 50
2037-26-5	Toluene-d8	44.7		86 - 113	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	42.2		77 - 121	84%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	464000	4.603			
540-36-3	1,4-Difluorobenzene	853000	5.535			
3114-55-4	Chlorobenzene-d5	809000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	360000	11.175			

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW6D		SDG No.:	Q3172	
Lab Sample ID:	Q3172-02		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039158.D	1	09/24/25 17:22	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
95-63-6	1,2,4-Trimethylbenzene	0.52	J		10.8	ug/L

U = Not Detected

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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:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW6DDL		SDG No.:	Q3172	
Lab Sample ID:	Q3172-02DL		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039180.D	4	09/25/25 14:48	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.88	UD	0.88	4.00	ug/L
74-87-3	Chloromethane	1.30	UD	1.30	4.00	ug/L
75-01-4	Vinyl Chloride	1.00	UD	1.00	4.00	ug/L
74-83-9	Bromomethane	5.80	UD	5.80	20.0	ug/L
75-00-3	Chloroethane	1.90	UD	1.90	4.00	ug/L
75-69-4	Trichlorofluoromethane	1.30	UD	1.30	4.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	UD	1.00	4.00	ug/L
75-65-0	Tert butyl alcohol	22.0	UD	22.0	100	ug/L
75-35-4	1,1-Dichloroethene	0.92	UD	0.92	4.00	ug/L
67-64-1	Acetone	6.00	UD	6.00	20.0	ug/L
75-15-0	Carbon Disulfide	0.84	UD	0.84	4.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.64	UD	0.64	4.00	ug/L
79-20-9	Methyl Acetate	1.10	UD	1.10	4.00	ug/L
75-09-2	Methylene Chloride	1.10	UD	1.10	4.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.92	UD	0.92	4.00	ug/L
75-34-3	1,1-Dichloroethane	0.92	UD	0.92	4.00	ug/L
110-82-7	Cyclohexane	5.80	UD	5.80	20.0	ug/L
78-93-3	2-Butanone	3.90	UD	3.90	20.0	ug/L
56-23-5	Carbon Tetrachloride	1.00	UD	1.00	4.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.76	UD	0.76	4.00	ug/L
74-97-5	Bromochloromethane	0.88	UD	0.88	4.00	ug/L
67-66-3	Chloroform	1.00	UD	1.00	4.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.80	UD	0.80	4.00	ug/L
108-87-2	Methylcyclohexane	0.64	UD	0.64	4.00	ug/L
71-43-2	Benzene	0.60	UD	0.60	4.00	ug/L
107-06-2	1,2-Dichloroethane	0.88	UD	0.88	4.00	ug/L
79-01-6	Trichloroethene	0.37	UD	0.37	4.00	ug/L
78-87-5	1,2-Dichloropropane	0.80	UD	0.80	4.00	ug/L
75-27-4	Bromodichloromethane	0.88	UD	0.88	4.00	ug/L
108-10-1	4-Methyl-2-Pentanone	2.70	UD	2.70	20.0	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	FW6DDL		SDG No.:	Q3172	
Lab Sample ID:	Q3172-02DL		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039180.D	4	09/25/25 14:48	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.56	UD	0.56	4.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.68	UD	0.68	4.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.64	UD	0.64	4.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.84	UD	0.84	4.00	ug/L
591-78-6	2-Hexanone	3.60	UD	3.60	20.0	ug/L
124-48-1	Dibromochloromethane	0.72	UD	0.72	4.00	ug/L
106-93-4	1,2-Dibromoethane	0.60	UD	0.60	4.00	ug/L
127-18-4	Tetrachloroethene	0.92	UD	0.92	4.00	ug/L
108-90-7	Chlorobenzene	100	D	0.48	4.00	ug/L
100-41-4	Ethyl Benzene	0.52	UD	0.52	4.00	ug/L
179601-23-1	m/p-Xylenes	0.96	UD	0.96	8.00	ug/L
95-47-6	o-Xylene	0.48	UD	0.48	4.00	ug/L
100-42-5	Styrene	0.60	UD	0.60	4.00	ug/L
75-25-2	Bromoform	0.76	UD	0.76	4.00	ug/L
98-82-8	Isopropylbenzene	0.48	UD	0.48	4.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	1.00	UD	1.00	4.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.64	UD	0.64	4.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.76	UD	0.76	4.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.64	UD	0.64	4.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	UD	2.10	4.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.80	UD	0.80	4.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.80	UD	0.80	4.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	56.6		74 - 125	113%	SPK: 50
1868-53-7	Dibromofluoromethane	49.1		75 - 124	98%	SPK: 50
2037-26-5	Toluene-d8	45.3		86 - 113	91%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.8		77 - 121	90%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	642000	4.6			
540-36-3	1,4-Difluorobenzene	1160000	5.535			
3114-55-4	Chlorobenzene-d5	1110000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	524000	11.175			

Report of Analysis

Client:	G Environmental	Date Collected:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	FW6DDL	SDG No.:	Q3172
Lab Sample ID:	Q3172-02DL	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5	Units:	mL
Soil Aliquot Vol:			uL
GC Column:	DB-624UI	ID :	0.18
Prep Method :		Level :	LOW
		Final Vol:	5000
		Test:	VOCMS Group1

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039180.D	4	09/25/25 14:48	VV092525

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:	09/22/25
Project:	Amsterdam	Date Received:	09/23/25
Client Sample ID:	GB3W	SDG No.:	Q3172
Lab Sample ID:	Q3172-03	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039185.D	1	09/25/25 16:40	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	3.10	J	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.92	J	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	09/22/25	
Project:	Amsterdam		Date Received:	09/23/25	
Client Sample ID:	GB3W		SDG No.:	Q3172	
Lab Sample ID:	Q3172-03		Matrix:	Water	
Analytical Method:	8260D		% Solid:	0	
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000	uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID : 0.18	Level :	LOW	
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039185.D	1	09/25/25 16:40	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	4.70		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.53	J	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	1.50		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	55.1		74 - 125	110%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7		75 - 124	101%	SPK: 50
2037-26-5	Toluene-d8	46.4		86 - 113	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	46.9		77 - 121	94%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	368000	4.603			
540-36-3	1,4-Difluorobenzene	653000	5.535			
3114-55-4	Chlorobenzene-d5	662000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	325000	11.175			

Report of Analysis

Client:	G Environmental			Date Collected:	09/22/25	
Project:	Amsterdam			Date Received:	09/23/25	
Client Sample ID:	GB3W			SDG No.:	Q3172	
Lab Sample ID:	Q3172-03			Matrix:	Water	
Analytical Method:	8260D			% Solid:	0	
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000	uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1	
GC Column:	DB-624UI	ID :	0.18	Level :	LOW	
Prep Method :						

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039185.D	1	09/25/25 16:40	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TENTATIVE IDENTIFIED COMPOUNDS						
103-65-1	n-propylbenzene	1.00	J		10.3	ug/L
95-49-8	2-Chlorotoluene	4.10	J		10.4	ug/L
98-06-6	tert-Butylbenzene	0.41	J		10.8	ug/L
135-98-8	sec-Butylbenzene	0.69	J		11.0	ug/L
000496-11-7	Indane	10.7	J		11.5	ug/L
104-51-8	n-Butylbenzene	0.67	J		11.6	ug/L
000933-98-2	Benzene, 1-ethyl-2,3-dimethyl-	15.6	J		11.9	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	19.9	J		12.0	ug/L
000095-93-2	Benzene, 1,2,4,5-tetramethyl-	13.4	J		12.3	ug/L
017059-48-2	1H-Indene, 2,3-dihydro-1,6-dimethy	11.5	J		13.3	ug/L
017057-82-8	1H-Indene, 2,3-dihydro-1,2-dimethy	12.9	J		13.8	ug/L
004489-84-3	Benzene, (3-methyl-2-butenyl)-	18.6	J		14.0	ug/L
000090-12-0	Naphthalene, 1-methyl-	58.4	J		14.7	ug/L
000582-16-1	Naphthalene, 2,7-dimethyl-	21.7	J		15.6	ug/L
000581-40-8	Naphthalene, 2,3-dimethyl-	27.5	J		15.7	ug/L
000575-43-9	Naphthalene, 1,6-dimethyl-	19.7	J		15.8	ug/L
000575-37-1	Naphthalene, 1,7-dimethyl-	12.0	J		16.0	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3172**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3172-01	FW7D	1,2-Dichloroethane-d4	50	50.8	102		74	125
		Dibromofluoromethane	50	39.0	78		75	124
		Toluene-d8	50	41.6	83	*	86	113
		4-Bromofluorobenzene	50	41.8	83		77	121
Q3172-01DL	FW7DDL	1,2-Dichloroethane-d4	50	47.2	94		74	125
		Dibromofluoromethane	50	42.7	85		75	124
		Toluene-d8	50	39.9	80	*	86	113
		4-Bromofluorobenzene	50	39.3	79		77	121
Q3172-02	FW6D	1,2-Dichloroethane-d4	50	55.0	110		74	125
		Dibromofluoromethane	50	43.2	86		75	124
		Toluene-d8	50	44.7	89		86	113
		4-Bromofluorobenzene	50	42.2	84		77	121
Q3172-02DL	FW6DDL	1,2-Dichloroethane-d4	50	56.6	113		74	125
		Dibromofluoromethane	50	49.1	98		75	124
		Toluene-d8	50	45.3	91		86	113
		4-Bromofluorobenzene	50	44.8	90		77	121
Q3172-03	GB3W	1,2-Dichloroethane-d4	50	55.1	110		74	125
		Dibromofluoromethane	50	50.7	101		75	124
		Toluene-d8	50	46.5	93		86	113
		4-Bromofluorobenzene	50	46.9	94		77	121
VV0924WBL01	VV0924WBL01	1,2-Dichloroethane-d4	50	62.2	124		74	125
		Dibromofluoromethane	50	54.6	109		75	124
		Toluene-d8	50	44.1	88		86	113
		4-Bromofluorobenzene	50	48.0	96		77	121
VV0924WBS02	VV0924WBS02	1,2-Dichloroethane-d4	50	49.0	98		74	125
		Dibromofluoromethane	50	50.0	100		75	124
		Toluene-d8	50	49.5	99		86	113
		4-Bromofluorobenzene	50	52.0	104		77	121
VV0924WBSD0	VV0924WBSD02	1,2-Dichloroethane-d4	50	49.5	99		74	125
		Dibromofluoromethane	50	50.1	100		75	124
		Toluene-d8	50	50.7	101		86	113
		4-Bromofluorobenzene	50	55.0	110		77	121
VV0925WBL01	VV0925WBL01	1,2-Dichloroethane-d4	50	60.1	120		74	125
		Dibromofluoromethane	50	53.3	107		75	124
		Toluene-d8	50	47.3	95		86	113
		4-Bromofluorobenzene	50	44.1	88		77	121
VV0925WBS01	VV0925WBS01	1,2-Dichloroethane-d4	50	45.1	90		74	125
		Dibromofluoromethane	50	47.8	96		75	124
		Toluene-d8	50	47.9	96		86	113
		4-Bromofluorobenzene	50	51.2	102		77	121

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039150.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0924WBS02	Dichlorodifluoromethane	20	19.1	ug/L	96			69	116	
	Chloromethane	20	19.1	ug/L	96			65	116	
	Vinyl chloride	20	19.4	ug/L	97			65	117	
	Bromomethane	20	20.9	ug/L	104			58	125	
	Chloroethane	20	21.1	ug/L	106			56	128	
	Trichlorofluoromethane	20	20.0	ug/L	100			73	115	
	1,1,2-Trichlorotrifluoroethane	20	19.7	ug/L	99			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	20.0	ug/L	100			74	110	
	Acetone	100	110	ug/L	110			60	125	
	Carbon disulfide	20	19.6	ug/L	98			64	112	
	Methyl tert-butyl Ether	20	20.9	ug/L	104			78	114	
	Methyl Acetate	20	22.4	ug/L	112			67	125	
	Methylene Chloride	20	22.7	ug/L	114			72	114	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			75	108	
	1,1-Dichloroethane	20	19.6	ug/L	98			78	112	
	Cyclohexane	20	18.7	ug/L	94			75	110	
	2-Butanone	100	110	ug/L	110			65	122	
	Carbon Tetrachloride	20	19.7	ug/L	99			77	113	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			77	110	
	Bromochloromethane	20	20.3	ug/L	102			70	124	
	Chloroform	20	19.9	ug/L	100			79	113	
	1,1,1-Trichloroethane	20	20.0	ug/L	100			80	108	
	Methylcyclohexane	20	19.6	ug/L	98			72	115	
	Benzene	20	20.1	ug/L	101			82	109	
	1,2-Dichloroethane	20	20.7	ug/L	104			80	115	
	Trichloroethene	20	20.3	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.9	ug/L	104			83	111	
	Bromodichloromethane	20	20.6	ug/L	103			83	110	
	4-Methyl-2-Pentanone	100	120	ug/L	120		*	74	118	
	Toluene	20	21.8	ug/L	109			82	110	
	t-1,3-Dichloropropene	20	21.6	ug/L	108			79	110	
	cis-1,3-Dichloropropene	20	21.5	ug/L	108			82	110	
	1,1,2-Trichloroethane	20	21.0	ug/L	105			83	112	
	2-Hexanone	100	110	ug/L	110			73	117	
	Dibromochloromethane	20	20.5	ug/L	103			82	110	
	1,2-Dibromoethane	20	21.5	ug/L	108			81	110	
	Tetrachloroethene	20	20.2	ug/L	101			67	123	
	Chlorobenzene	20	19.8	ug/L	99			82	109	
	Ethyl Benzene	20	19.9	ug/L	100			83	109	
	m/p-Xylenes	40	43.2	ug/L	108			82	110	
	o-Xylene	20	20.4	ug/L	102			83	109	
	Styrene	20	18.9	ug/L	95			80	111	
	Bromoform	20	21.4	ug/L	107			79	109	
	Isopropylbenzene	20	19.8	ug/L	99			83	112	
	1,1,2,2-Tetrachloroethane	20	19.2	ug/L	96			76	118	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	19.2	ug/L	96			82	107	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039150.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0924WBS02	1,2-Dichlorobenzene	20	19.0	ug/L	95			82	109	
	1,2-Dibromo-3-Chloropropane	20	21.3	ug/L	106			68	112	
	1,2,4-Trichlorobenzene	20	18.7	ug/L	94			75	113	
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96			76	114	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039165.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0924WBSD02	Dichlorodifluoromethane	20	18.1	ug/L	91	5		69	116	19
	Chloromethane	20	18.2	ug/L	91	5		65	116	21
	Vinyl chloride	20	18.1	ug/L	91	6		65	117	19
	Bromomethane	20	14.7	ug/L	74	34	*	58	125	20
	Chloroethane	20	20.0	ug/L	100	6		56	128	20
	Trichlorofluoromethane	20	18.9	ug/L	95	5		73	115	16
	1,1,2-Trichlorotrifluoroethane	20	19.0	ug/L	95	4		80	112	15
	Tert butyl alcohol	100	110	ug/L	110	0		48	142	30
	1,1-Dichloroethene	20	19.4	ug/L	97	3		74	110	20
	Acetone	100	79.7	ug/L	80	32	*	60	125	20
	Carbon disulfide	20	18.3	ug/L	92	6		64	112	20
	Methyl tert-butyl Ether	20	19.3	ug/L	97	7		78	114	20
	Methyl Acetate	20	20.1	ug/L	101	10		67	125	20
	Methylene Chloride	20	20.9	ug/L	104	9		72	114	20
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	6		75	108	16
	1,1-Dichloroethane	20	18.1	ug/L	91	7		78	112	20
	Cyclohexane	20	18.4	ug/L	92	2		75	110	20
	2-Butanone	100	92.0	ug/L	92	18		65	122	26
	Carbon Tetrachloride	20	18.2	ug/L	91	8		77	113	15
	cis-1,2-Dichloroethene	20	18.8	ug/L	94	4		77	110	20
	Bromochloromethane	20	19.2	ug/L	96	6		70	124	20
	Chloroform	20	18.4	ug/L	92	8		79	113	20
	1,1,1-Trichloroethane	20	18.4	ug/L	92	8		80	108	20
	Methylcyclohexane	20	18.2	ug/L	91	7		72	115	20
	Benzene	20	18.8	ug/L	94	7		82	109	15
	1,2-Dichloroethane	20	18.5	ug/L	93	11		80	115	20
	Trichloroethene	20	19.2	ug/L	96	6		77	113	15
	1,2-Dichloropropane	20	19.4	ug/L	97	7		83	111	16
	Bromodichloromethane	20	18.3	ug/L	92	11		83	110	16
	4-Methyl-2-Pentanone	100	100	ug/L	100	18		74	118	25
	Toluene	20	20.0	ug/L	100	9		82	110	16
	t-1,3-Dichloropropene	20	18.5	ug/L	93	15		79	110	20
	cis-1,3-Dichloropropene	20	19.2	ug/L	96	12		82	110	16
	1,1,2-Trichloroethane	20	18.5	ug/L	93	12		83	112	20
	2-Hexanone	100	91.4	ug/L	91	19		73	117	25
	Dibromochloromethane	20	18.5	ug/L	93	10		82	110	20
	1,2-Dibromoethane	20	19.3	ug/L	97	11		81	110	20
	Tetrachloroethene	20	19.7	ug/L	99	2		67	123	15
	Chlorobenzene	20	19.9	ug/L	100	1		82	109	15
	Ethyl Benzene	20	19.2	ug/L	96	4		83	109	16
	m/p-Xylenes	40	40.4	ug/L	101	7		82	110	15
	o-Xylene	20	19.8	ug/L	99	3		83	109	20
	Styrene	20	17.9	ug/L	90	5		80	111	17
	Bromoform	20	18.8	ug/L	94	13		79	109	20
	Isopropylbenzene	20	19.6	ug/L	98	1		83	112	29
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90	6		76	118	20
	1,3-Dichlorobenzene	20	18.7	ug/L	94	4		82	108	20
	1,4-Dichlorobenzene	20	17.9	ug/L	90	6		82	107	15

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039165.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0924WBSD02	1,2-Dichlorobenzene	20	18.5	ug/L	93	2		82	109	20
	1,2-Dibromo-3-Chloropropane	20	19.7	ug/L	99	7		68	112	20
	1,2,4-Trichlorobenzene	20	18.4	ug/L	92	2		75	113	29
	1,2,3-Trichlorobenzene	20	18.7	ug/L	94	2		76	114	29

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039171.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0925WBS01	Dichlorodifluoromethane	20	18.2	ug/L	91			69	116	
	Chloromethane	20	19.1	ug/L	96			65	116	
	Vinyl chloride	20	19.4	ug/L	97			65	117	
	Bromomethane	20	18.7	ug/L	94			58	125	
	Chloroethane	20	19.3	ug/L	97			56	128	
	Trichlorofluoromethane	20	19.4	ug/L	97			73	115	
	1,1,2-Trichlorotrifluoroethane	20	20.0	ug/L	100			80	112	
	Tert butyl alcohol	100	110	ug/L	110			48	142	
	1,1-Dichloroethene	20	19.9	ug/L	100			74	110	
	Acetone	100	89.0	ug/L	89			60	125	
	Carbon disulfide	20	19.0	ug/L	95			64	112	
	Methyl tert-butyl Ether	20	20.0	ug/L	100			78	114	
	Methyl Acetate	20	21.2	ug/L	106			67	125	
	Methylene Chloride	20	20.6	ug/L	103			72	114	
	trans-1,2-Dichloroethene	20	19.7	ug/L	99			75	108	
	1,1-Dichloroethane	20	19.3	ug/L	97			78	112	
	Cyclohexane	20	18.2	ug/L	91			75	110	
	2-Butanone	100	97.1	ug/L	97			65	122	
	Carbon Tetrachloride	20	19.4	ug/L	97			77	113	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			77	110	
	Bromochloromethane	20	20.5	ug/L	103			70	124	
	Chloroform	20	19.2	ug/L	96			79	113	
	1,1,1-Trichloroethane	20	19.0	ug/L	95			80	108	
	Methylcyclohexane	20	19.2	ug/L	96			72	115	
	Benzene	20	19.9	ug/L	100			82	109	
	1,2-Dichloroethane	20	19.6	ug/L	98			80	115	
	Trichloroethene	20	20.4	ug/L	102			77	113	
	1,2-Dichloropropane	20	20.5	ug/L	103			83	111	
	Bromodichloromethane	20	19.3	ug/L	97			83	110	
	4-Methyl-2-Pentanone	100	110	ug/L	110			74	118	
	Toluene	20	21.5	ug/L	108			82	110	
	t-1,3-Dichloropropene	20	20.1	ug/L	101			79	110	
	cis-1,3-Dichloropropene	20	20.2	ug/L	101			82	110	
	1,1,2-Trichloroethane	20	20.0	ug/L	100			83	112	
	2-Hexanone	100	99.6	ug/L	100			73	117	
	Dibromochloromethane	20	20.2	ug/L	101			82	110	
	1,2-Dibromoethane	20	20.6	ug/L	103			81	110	
	Tetrachloroethene	20	20.2	ug/L	101			67	123	
	Chlorobenzene	20	20.1	ug/L	101			82	109	
	Ethyl Benzene	20	20.0	ug/L	100			83	109	
	m/p-Xylenes	40	43.1	ug/L	108			82	110	
	o-Xylene	20	21.0	ug/L	105			83	109	
	Styrene	20	19.3	ug/L	97			80	111	
	Bromoform	20	20.5	ug/L	103			79	109	
	Isopropylbenzene	20	20.6	ug/L	103			83	112	
	1,1,2,2-Tetrachloroethane	20	19.4	ug/L	97			76	118	
	1,3-Dichlorobenzene	20	19.6	ug/L	98			82	108	
	1,4-Dichlorobenzene	20	18.9	ug/L	95			82	107	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3172</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VV039171.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV0925WBS01	1,2-Dichlorobenzene	20	19.8	ug/L	99			82	109	
	1,2-Dibromo-3-Chloropropane	20	22.1	ug/L	111			68	112	
	1,2,4-Trichlorobenzene	20	19.2	ug/L	96			75	113	
	1,2,3-Trichlorobenzene	20	19.9	ug/L	100			76	114	

VOLATILE METHOD BLANK SUMMARY

Client ID

VV0924WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3172

Lab File ID: VV039148.D

Lab Sample ID: VV0924WBL01

Date Analyzed: 09/24/2025

Time Analyzed: 13:09

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV0924WBS02	VV0924WBS02	VV039150.D	09/24/2025
FW7D	Q3172-01	VV039157.D	09/24/2025
FW6D	Q3172-02	VV039158.D	09/24/2025
VV0924WBSD02	VV0924WBSD02	VV039165.D	09/24/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VV0925WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3172

Lab File ID: VV039170.D

Lab Sample ID: VV0925WBL01

Date Analyzed: 09/25/2025

Time Analyzed: 11:01

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_V

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VV0925WBS01	VV0925WBS01	VV039171.D	09/25/2025
FW6DDL	Q3172-02DL	VV039180.D	09/25/2025
FW7DDL	Q3172-01DL	VV039182.D	09/25/2025
GB3W	Q3172-03	VV039185.D	09/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3172

Lab File ID: VV039134.D

BFB Injection Date: 09/22/2025

Instrument ID: MSVOA_V

BFB Injection Time: 10:15

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	51.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.1
173	Less than 2.0% of mass 174	1.1 (1.6) 1
174	50.0 - 100.0% of mass 95	73.3
175	5.0 - 9.0% of mass 174	5.5 (7.5) 1
176	95.0 - 101.0% of mass 174	70.4 (96) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDICC010	VSTDICC010	VV039137.D	09/22/2025	12:26
VSTDICC020	VSTDICC020	VV039138.D	09/22/2025	12:48
VSTDICCC050	VSTDICCC050	VV039139.D	09/22/2025	13:26
VSTDICC100	VSTDICC100	VV039140.D	09/22/2025	13:49
VSTDICC005	VSTDICC005	VV039142.D	09/22/2025	15:37
VSTDICC001	VSTDICC001	VV039143.D	09/22/2025	16:35

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039145.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: GENV01
SDG NO.: Q3172
BFB Injection Date: 09/24/2025
BFB Injection Time: 09:52
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	19.6
75	30.0 - 60.0% of mass 95	51.7
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	1.4 (1.9) 1
174	50.0 - 100.0% of mass 95	77.1
175	5.0 - 9.0% of mass 174	5.2 (6.7) 1
176	95.0 - 101.0% of mass 174	73.5 (95.3) 1
177	5.0 - 9.0% of mass 176	4.9 (6.6) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV039146.D	09/24/2025	10:49
VV0924WBL01	VV0924WBL01	VV039148.D	09/24/2025	13:09
VV0924WBS02	VV0924WBS02	VV039150.D	09/24/2025	14:01
FW7D	Q3172-01	VV039157.D	09/24/2025	17:00
FW6D	Q3172-02	VV039158.D	09/24/2025	17:22
VV0924WBSD02	VV0924WBSD02	VV039165.D	09/24/2025	19:59

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3172

Lab File ID: VV039167.D

BFB Injection Date: 09/25/2025

Instrument ID: MSVOA_V

BFB Injection Time: 09:14

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	16.2
75	30.0 - 60.0% of mass 95	49.9
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.3
173	Less than 2.0% of mass 174	1.3 (1.7) 1
174	50.0 - 100.0% of mass 95	72.3
175	5.0 - 9.0% of mass 174	5.7 (7.9) 1
176	95.0 - 101.0% of mass 174	69.9 (96.6) 1
177	5.0 - 9.0% of mass 176	4.4 (6.3) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV039168.D	09/25/2025	09:59
VV0925WBL01	VV0925WBL01	VV039170.D	09/25/2025	11:01
VV0925WBS01	VV0925WBS01	VV039171.D	09/25/2025	11:24
FW6DDL	Q3172-02DL	VV039180.D	09/25/2025	14:48
FW7DDL	Q3172-01DL	VV039182.D	09/25/2025	15:33
GB3W	Q3172-03	VV039185.D	09/25/2025	16:40

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3172
 Lab File ID: VV039146.D Date Analyzed: 09/24/2025
 Instrument ID: MSVOA_V Time Analyzed: 10:49
 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	558154	4.60	907128	5.53	923608	8.78
UPPER LIMIT	1116310	5.1	1814260	6.032	1847220	9.277
LOWER LIMIT	279077	4.1	453564	5.032	461804	8.277
EPA SAMPLE NO.						
FW7D	784952	4.60	1453021	5.53	1186446	8.81
FW6D	463506	4.60	853323	5.54	809313	8.78
VV0924WBL01	463770	4.60	858892	5.53	831675	8.77
VV0924WBS02	492318	4.60	795602	5.53	784865	8.78
VV0924WBSD02	545364	4.60	903558	5.53	885424	8.78

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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3172</u>
Lab File ID:	<u>VV039146.D</u>	Date Analyzed:	<u>09/24/2025</u>
Instrument ID:	<u>MSVOA_V</u>	Time Analyzed:	<u>10:49</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	551620	11.172				
UPPER LIMIT	1103240	11.672				
LOWER LIMIT	275810	10.672				
EPA SAMPLE NO.						
FW7D	645392	11.17				
FW6D	359745	11.18				
VV0924WBL01	379013	11.18				
VV0924WBS02	468522	11.17				
VV0924WBSD02	510716	11.17				

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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3172
 Lab File ID: VV039168.D Date Analyzed: 09/25/2025
 Instrument ID: MSVOA_V Time Analyzed: 09:59
 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	605297	4.60	933338	5.53	901987	8.77
UPPER LIMIT	1210590	5.096	1866680	6.029	1803970	9.273
LOWER LIMIT	302649	4.096	466669	5.029	450994	8.273
EPA SAMPLE NO.						
FW7DDL	686688	4.60	1217519	5.54	1189450	8.78
FW6DDL	642311	4.60	1161576	5.54	1114736	8.78
GB3W	368346	4.60	653076	5.54	662159	8.78
VV0925WBL01	480047	4.60	864912	5.53	870930	8.78
VV0925WBS01	557017	4.60	898902	5.54	871912	8.78

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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3172</u>
Lab File ID:	<u>VV039168.D</u>	Date Analyzed:	<u>09/25/2025</u>
Instrument ID:	<u>MSVOA_V</u>	Time Analyzed:	<u>09:59</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	535710	11.172				
UPPER LIMIT	1071420	11.672				
LOWER LIMIT	267855	10.672				
EPA SAMPLE NO.						
FW7DDL	556145	11.18				
FW6DDL	523929	11.18				
GB3W	325221	11.18				
VV0925WBL01	413592	11.18				
VV0925WBS01	508947	11.17				

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:	Amsterdam		Date Received:	
Client Sample ID:	VV0924WBL01		SDG No.:	Q3172
Lab Sample ID:	VV0924WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039148.D	1	09/24/25 13:09	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0924WBL01		SDG No.:	Q3172
Lab Sample ID:	VV0924WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039148.D	1	09/24/25 13:09	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	62.2		74 - 125	124%	SPK: 50
1868-53-7	Dibromofluoromethane	54.6		75 - 124	109%	SPK: 50
2037-26-5	Toluene-d8	44.1		86 - 113	88%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.0		77 - 121	96%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	464000	4.596			
540-36-3	1,4-Difluorobenzene	859000	5.532			
3114-55-4	Chlorobenzene-d5	832000	8.773			
3855-82-1	1,4-Dichlorobenzene-d4	379000	11.175			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0924WBL01		SDG No.:	Q3172
Lab Sample ID:	VV0924WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039148.D	1	09/24/25 13:09	VV092425

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:	Amsterdam			Date Received:	
Client Sample ID:	VV0925WBL01			SDG No.:	Q3172
Lab Sample ID:	VV0925WBL01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039170.D	1	09/25/25 11:01	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	0.22	U	0.22	1.00	ug/L
74-87-3	Chloromethane	0.32	U	0.32	1.00	ug/L
75-01-4	Vinyl Chloride	0.26	U	0.26	1.00	ug/L
74-83-9	Bromomethane	1.40	U	1.40	5.00	ug/L
75-00-3	Chloroethane	0.47	U	0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	0.33	U	0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	5.50	U	5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	0.23	U	0.23	1.00	ug/L
67-64-1	Acetone	1.50	U	1.50	5.00	ug/L
75-15-0	Carbon Disulfide	0.21	U	0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	0.16	U	0.16	1.00	ug/L
79-20-9	Methyl Acetate	0.27	U	0.27	1.00	ug/L
75-09-2	Methylene Chloride	0.28	U	0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	0.23	U	0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	0.23	U	0.23	1.00	ug/L
110-82-7	Cyclohexane	1.50	U	1.50	5.00	ug/L
78-93-3	2-Butanone	0.98	U	0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	0.25	U	0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	0.19	U	0.19	1.00	ug/L
74-97-5	Bromochloromethane	0.22	U	0.22	1.00	ug/L
67-66-3	Chloroform	0.25	U	0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	0.20	U	0.20	1.00	ug/L
108-87-2	Methylcyclohexane	0.16	U	0.16	1.00	ug/L
71-43-2	Benzene	0.15	U	0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	0.22	U	0.22	1.00	ug/L
79-01-6	Trichloroethene	0.090	U	0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	0.20	U	0.20	1.00	ug/L
75-27-4	Bromodichloromethane	0.22	U	0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	0.68	U	0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0925WBL01		SDG No.:	Q3172
Lab Sample ID:	VV0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039170.D	1	09/25/25 11:01	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	0.14	U	0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	0.17	U	0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	0.16	U	0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	0.21	U	0.21	1.00	ug/L
591-78-6	2-Hexanone	0.89	U	0.89	5.00	ug/L
124-48-1	Dibromochloromethane	0.18	U	0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	0.15	U	0.15	1.00	ug/L
127-18-4	Tetrachloroethene	0.23	U	0.23	1.00	ug/L
108-90-7	Chlorobenzene	0.12	U	0.12	1.00	ug/L
100-41-4	Ethyl Benzene	0.13	U	0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	0.24	U	0.24	2.00	ug/L
95-47-6	o-Xylene	0.12	U	0.12	1.00	ug/L
100-42-5	Styrene	0.15	U	0.15	1.00	ug/L
75-25-2	Bromoform	0.19	U	0.19	1.00	ug/L
98-82-8	Isopropylbenzene	0.12	U	0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	0.19	U	0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	0.16	U	0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	0.20	U	0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	60.1		74 - 125	120%	SPK: 50
1868-53-7	Dibromofluoromethane	53.3		75 - 124	107%	SPK: 50
2037-26-5	Toluene-d8	47.3		86 - 113	95%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.1		77 - 121	88%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	480000	4.597			
540-36-3	1,4-Difluorobenzene	865000	5.532			
3114-55-4	Chlorobenzene-d5	871000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	414000	11.175			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0925WBL01		SDG No.:	Q3172
Lab Sample ID:	VV0925WBL01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039170.D	1	09/25/25 11:01	VV092525

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:	Amsterdam			Date Received:	
Client Sample ID:	VV0924WBS02			SDG No.:	Q3172
Lab Sample ID:	VV0924WBS02			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039150.D	1	09/24/25 14:01	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	19.1		0.22	1.00	ug/L
74-87-3	Chloromethane	19.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.26	1.00	ug/L
74-83-9	Bromomethane	20.9		1.40	5.00	ug/L
75-00-3	Chloroethane	21.1		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	20.0		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.7		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	20.0		0.23	1.00	ug/L
67-64-1	Acetone	110		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.6		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.9		0.16	1.00	ug/L
79-20-9	Methyl Acetate	22.4		0.27	1.00	ug/L
75-09-2	Methylene Chloride	22.7		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.6		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.7		1.50	5.00	ug/L
78-93-3	2-Butanone	110		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.7		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.3		0.22	1.00	ug/L
67-66-3	Chloroform	19.9		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	20.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.6		0.16	1.00	ug/L
71-43-2	Benzene	20.1		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	20.7		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.3		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.9		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	20.6		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	120		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0924WBS02		SDG No.:	Q3172
Lab Sample ID:	VV0924WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039150.D	1	09/24/25 14:01	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.8		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	21.6		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	21.5		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	21.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	110		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	21.5		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.8		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.9		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	43.2		0.24	2.00	ug/L
95-47-6	o-Xylene	20.4		0.12	1.00	ug/L
100-42-5	Styrene	18.9		0.15	1.00	ug/L
75-25-2	Bromoform	21.4		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.8		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.2		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	19.2		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.0		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	21.3		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.7		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.1		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.1		74 - 125	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.0		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	49.5		86 - 113	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.0		77 - 121	104%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	492000	4.6			
540-36-3	1,4-Difluorobenzene	796000	5.532			
3114-55-4	Chlorobenzene-d5	785000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	469000	11.172			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0924WBS02		SDG No.:	Q3172
Lab Sample ID:	VV0924WBS02		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039150.D	1	09/24/25 14:01	VV092425

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:	Amsterdam			Date Received:	
Client Sample ID:	VV0925WBS01			SDG No.:	Q3172
Lab Sample ID:	VV0925WBS01			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039171.D	1	09/25/25 11:24	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.2		0.22	1.00	ug/L
74-87-3	Chloromethane	19.1		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	19.4		0.26	1.00	ug/L
74-83-9	Bromomethane	18.7		1.40	5.00	ug/L
75-00-3	Chloroethane	19.3		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	19.4		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	20.0		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.9		0.23	1.00	ug/L
67-64-1	Acetone	89.0		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	19.0		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	20.0		0.16	1.00	ug/L
79-20-9	Methyl Acetate	21.2		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.6		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	19.7		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	19.3		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.2		1.50	5.00	ug/L
78-93-3	2-Butanone	97.1		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	19.4		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	19.5		0.19	1.00	ug/L
74-97-5	Bromochloromethane	20.5		0.22	1.00	ug/L
67-66-3	Chloroform	19.2		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	19.0		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	19.2		0.16	1.00	ug/L
71-43-2	Benzene	19.9		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	19.6		0.22	1.00	ug/L
79-01-6	Trichloroethene	20.4		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	20.5		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	19.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	110		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0925WBS01		SDG No.:	Q3172
Lab Sample ID:	VV0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039171.D	1	09/25/25 11:24	VV092525

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	21.5		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	20.1		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	20.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	20.0		0.21	1.00	ug/L
591-78-6	2-Hexanone	99.6		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	20.2		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	20.6		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	20.2		0.23	1.00	ug/L
108-90-7	Chlorobenzene	20.1		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	20.0		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	43.1		0.24	2.00	ug/L
95-47-6	o-Xylene	21.0		0.12	1.00	ug/L
100-42-5	Styrene	19.3		0.15	1.00	ug/L
75-25-2	Bromoform	20.5		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	20.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	19.4		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	19.6		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	18.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	19.8		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	22.1		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	19.2		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	19.9		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	45.1		74 - 125	90%	SPK: 50
1868-53-7	Dibromofluoromethane	47.8		75 - 124	96%	SPK: 50
2037-26-5	Toluene-d8	47.9		86 - 113	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.2		77 - 121	102%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	557000	4.6			
540-36-3	1,4-Difluorobenzene	899000	5.535			
3114-55-4	Chlorobenzene-d5	872000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	509000	11.172			

Report of Analysis

Client:	G Environmental		Date Collected:	
Project:	Amsterdam		Date Received:	
Client Sample ID:	VV0925WBS01		SDG No.:	Q3172
Lab Sample ID:	VV0925WBS01		Matrix:	Water
Analytical Method:	8260D		% Solid:	0
Sample Wt/Vol:	5	Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:		uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID : 0.18	Level :	LOW
Prep Method :				

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039171.D	1	09/25/25 11:24	VV092525

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:	Amsterdam	Date Received:	
Client Sample ID:	VV0924WBSD02	SDG No.:	Q3172
Lab Sample ID:	VV0924WBSD02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 Units: mL	Final Vol:	5000 uL
Soil Aliquot Vol:	uL	Test:	VOCMS Group1
GC Column:	DB-624UI ID : 0.18	Level :	LOW
Prep Method :			

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039165.D	1	09/24/25 19:59	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
TARGETS						
75-71-8	Dichlorodifluoromethane	18.1		0.22	1.00	ug/L
74-87-3	Chloromethane	18.2		0.32	1.00	ug/L
75-01-4	Vinyl Chloride	18.1		0.26	1.00	ug/L
74-83-9	Bromomethane	14.7		1.40	5.00	ug/L
75-00-3	Chloroethane	20.0		0.47	1.00	ug/L
75-69-4	Trichlorofluoromethane	18.9		0.33	1.00	ug/L
76-13-1	1,1,2-Trichlorotrifluoroethane	19.0		0.25	1.00	ug/L
75-65-0	Tert butyl alcohol	110		5.50	25.0	ug/L
75-35-4	1,1-Dichloroethene	19.4		0.23	1.00	ug/L
67-64-1	Acetone	79.7		1.50	5.00	ug/L
75-15-0	Carbon Disulfide	18.3		0.21	1.00	ug/L
1634-04-4	Methyl tert-butyl Ether	19.3		0.16	1.00	ug/L
79-20-9	Methyl Acetate	20.1		0.27	1.00	ug/L
75-09-2	Methylene Chloride	20.9		0.28	1.00	ug/L
156-60-5	trans-1,2-Dichloroethene	18.6		0.23	1.00	ug/L
75-34-3	1,1-Dichloroethane	18.1		0.23	1.00	ug/L
110-82-7	Cyclohexane	18.4		1.50	5.00	ug/L
78-93-3	2-Butanone	92.0		0.98	5.00	ug/L
56-23-5	Carbon Tetrachloride	18.2		0.25	1.00	ug/L
156-59-2	cis-1,2-Dichloroethene	18.8		0.19	1.00	ug/L
74-97-5	Bromochloromethane	19.2		0.22	1.00	ug/L
67-66-3	Chloroform	18.4		0.25	1.00	ug/L
71-55-6	1,1,1-Trichloroethane	18.4		0.20	1.00	ug/L
108-87-2	Methylcyclohexane	18.2		0.16	1.00	ug/L
71-43-2	Benzene	18.8		0.15	1.00	ug/L
107-06-2	1,2-Dichloroethane	18.5		0.22	1.00	ug/L
79-01-6	Trichloroethene	19.2		0.090	1.00	ug/L
78-87-5	1,2-Dichloropropane	19.4		0.20	1.00	ug/L
75-27-4	Bromodichloromethane	18.3		0.22	1.00	ug/L
108-10-1	4-Methyl-2-Pentanone	100		0.68	5.00	ug/L

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	VV0924WBSD02			SDG No.:	Q3172
Lab Sample ID:	VV0924WBSD02			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039165.D	1	09/24/25 19:59	VV092425

CAS Number	Parameter	Conc.	Qualifier	MDL	LOQ / CRQL	Units
108-88-3	Toluene	20.0		0.14	1.00	ug/L
10061-02-6	t-1,3-Dichloropropene	18.5		0.17	1.00	ug/L
10061-01-5	cis-1,3-Dichloropropene	19.2		0.16	1.00	ug/L
79-00-5	1,1,2-Trichloroethane	18.5		0.21	1.00	ug/L
591-78-6	2-Hexanone	91.4		0.89	5.00	ug/L
124-48-1	Dibromochloromethane	18.5		0.18	1.00	ug/L
106-93-4	1,2-Dibromoethane	19.3		0.15	1.00	ug/L
127-18-4	Tetrachloroethene	19.7		0.23	1.00	ug/L
108-90-7	Chlorobenzene	19.9		0.12	1.00	ug/L
100-41-4	Ethyl Benzene	19.2		0.13	1.00	ug/L
179601-23-1	m/p-Xylenes	40.4		0.24	2.00	ug/L
95-47-6	o-Xylene	19.8		0.12	1.00	ug/L
100-42-5	Styrene	17.9		0.15	1.00	ug/L
75-25-2	Bromoform	18.8		0.19	1.00	ug/L
98-82-8	Isopropylbenzene	19.6		0.12	1.00	ug/L
79-34-5	1,1,2,2-Tetrachloroethane	17.9		0.26	1.00	ug/L
541-73-1	1,3-Dichlorobenzene	18.7		0.16	1.00	ug/L
106-46-7	1,4-Dichlorobenzene	17.9		0.19	1.00	ug/L
95-50-1	1,2-Dichlorobenzene	18.5		0.16	1.00	ug/L
96-12-8	1,2-Dibromo-3-Chloropropane	19.7		0.53	1.00	ug/L
120-82-1	1,2,4-Trichlorobenzene	18.4		0.20	1.00	ug/L
87-61-6	1,2,3-Trichlorobenzene	18.7		0.20	1.00	ug/L
SURROGATES						
17060-07-0	1,2-Dichloroethane-d4	49.5		74 - 125	99%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1		75 - 124	100%	SPK: 50
2037-26-5	Toluene-d8	50.7		86 - 113	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0		77 - 121	110%	SPK: 50
INTERNAL STANDARDS						
363-72-4	Pentafluorobenzene	545000	4.6			
540-36-3	1,4-Difluorobenzene	904000	5.532			
3114-55-4	Chlorobenzene-d5	885000	8.776			
3855-82-1	1,4-Dichlorobenzene-d4	511000	11.172			

Report of Analysis

Client:	G Environmental			Date Collected:	
Project:	Amsterdam			Date Received:	
Client Sample ID:	VV0924WBSD02			SDG No.:	Q3172
Lab Sample ID:	VV0924WBSD02			Matrix:	Water
Analytical Method:	8260D			% Solid:	0
Sample Wt/Vol:	5	Units:	mL	Final Vol:	5000 uL
Soil Aliquot Vol:			uL	Test:	VOCMS Group1
GC Column:	DB-624UI	ID :	0.18	Level :	LOW
Prep Method :					

File ID/Qc Batch:	Dilution:	Date Analyzed	Prep Batch ID
VV039165.D	1	09/24/25 19:59	VV092425

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: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3172</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>09/22/2025</u> <u>09/22/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:26</u> <u>16:35</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF010 = VV039137.D		RRF020 = VV039138.D		RRF050 = VV039139.D		RRF100 = VV039140.D		RRF005 = VV039142.D		RRF001 = VV039143.D	
COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF001	RRF	% RSD					
Dichlorodifluoromethane	0.848	0.757	0.740	0.699	0.772	0.934	0.792	10.8					
Chloromethane	0.949	0.814	0.770	0.729	0.889	0.946	0.850	10.9					
Vinyl Chloride	1.007	0.856	0.836	0.801	0.932	1.026	0.910	10.3					
Bromomethane	0.631	0.548	0.508	0.524	0.655		0.573	11.5					
Chloroethane	0.662	0.568	0.533	0.500	0.606	0.915	0.631	23.8					
Trichlorofluoromethane	1.394	1.253	1.193	1.151	1.365	1.546	1.317	11.2					
1,1,2-Trichlorotrifluoroethane	0.839	0.732	0.702	0.686	0.804	0.939	0.784	12.3					
Tert butyl alcohol	0.169	0.157	0.137	0.136	0.166		0.153	10.3					
1,1-Dichloroethene	0.804	0.721	0.674	0.663	0.789	0.873	0.754	10.9					
Acetone	0.537	0.458	0.449	0.414	0.569	0.712	0.523	20.8					
Carbon Disulfide	2.453	2.181	2.081	1.986	2.462	2.670	2.306	11.4					
Methyl tert-butyl Ether	2.547	2.285	2.233	2.202	2.556	2.591	2.402	7.5					
Methyl Acetate	1.146	1.036	0.983	0.973	1.097	1.198	1.072	8.5					
Methylene Chloride	0.930	0.848	0.779	0.742	1.113	1.987	1.066	44					
trans-1,2-Dichloroethene	0.846	0.755	0.724	0.696	0.835	0.959	0.803	12.1					
1,1-Dichloroethane	1.669	1.466	1.388	1.329	1.659	1.942	1.576	14.4					
Cyclohexane	1.325	1.222	1.245	1.254	1.407		1.291	5.9					
2-Butanone	0.604	0.584	0.586	0.580	0.570	0.554	0.579	2.9					
Carbon Tetrachloride	0.742	0.710	0.703	0.675	0.736	0.890	0.743	10.2					
cis-1,2-Dichloroethene	0.908	0.842	0.868	0.860	0.832	1.001	0.885	7.1					
Bromochloromethane	0.836	0.753	0.679	0.637	0.525	0.743	0.696	15.5					
Chloroform	1.752	1.570	1.490	1.433	1.746	1.880	1.645	10.6					
1,1,1-Trichloroethane	1.562	1.321	1.298	1.263	1.513	1.590	1.424	10.3					
Methylcyclohexane	0.701	0.720	0.823	0.857	0.680	0.622	0.734	12.2					
Benzene	2.077	1.978	1.990	1.931	1.963	1.936	1.979	2.7					
1,2-Dichloroethane	0.725	0.694	0.666	0.643	0.693	0.740	0.693	5.2					
Trichloroethene	0.471	0.456	0.463	0.454	0.460	0.435	0.457	2.6					
1,2-Dichloropropane	0.509	0.519	0.502	0.486	0.471	0.465	0.492	4.4					
Bromodichloromethane	0.832	0.764	0.753	0.725	0.767	0.829	0.778	5.5					
4-Methyl-2-Pentanone	0.715	0.736	0.732	0.714	0.613	0.459	0.661	16.5					

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3172</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>09/22/2025</u> <u>09/22/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:26</u> <u>16:35</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF010 = VV039137.D		RRF020 = VV039138.D		RRF050 = VV039139.D		
		RRF100 = VV039140.D		RRF005 = VV039142.D		RRF001 = VV039143.D		
COMPOUND	RRF010	RRF020	RRF050	RRF100	RRF005	RRF001	RRF	% RSD
Toluene	1.211	1.199	1.229	1.214	1.130	0.901	1.147	10.9
t-1,3-Dichloropropene	0.701	0.696	0.728	0.753	0.645	0.548	0.678	10.8
cis-1,3-Dichloropropene	0.803	0.777	0.811	0.803	0.704	0.595	0.749	11.4
1,1,2-Trichloroethane	0.534	0.502	0.494	0.480	0.524	0.553	0.514	5.3
2-Hexanone	0.505	0.534	0.546	0.533	0.429	0.231	0.463	26.2
Dibromochloromethane	0.605	0.570	0.567	0.558	0.598	0.620	0.586	4.2
1,2-Dibromoethane	0.556	0.538	0.529	0.514	0.535	0.484	0.526	4.7
Tetrachloroethene	0.435	0.412	0.412	0.407	0.431	0.415	0.419	2.7
Chlorobenzene	1.403	1.368	1.383	1.358	1.417	1.428	1.393	2
Ethyl Benzene	2.028	2.143	2.382	2.418	1.953	1.725	2.108	12.5
m/p-Xylenes	0.820	0.882	0.949	0.938	0.713	0.580	0.814	17.7
o-Xylene	0.703	0.742	0.846	0.880	0.635	0.518	0.720	18.7
Styrene	1.239	1.381	1.553	1.537	1.038	0.828	1.263	22.8
Bromoform	0.396	0.384	0.396	0.400	0.385	0.397	0.393	1.7
Isopropylbenzene	3.564	3.638	3.939	4.096	3.296	3.226	3.627	9.5
1,1,2,2-Tetrachloroethane	1.600	1.461	1.425	1.389	1.684	1.975	1.589	13.8
1,3-Dichlorobenzene	1.931	1.836	1.857	1.882	1.943	1.975	1.904	2.8
1,4-Dichlorobenzene	2.070	1.951	1.934	1.919	2.139	2.522	2.089	11
1,2-Dichlorobenzene	1.751	1.652	1.738	1.802	1.797	1.935	1.779	5.3
1,2-Dibromo-3-Chloropropane	0.299	0.283	0.285	0.302	0.333	0.476	0.330	22.4
1,2,4-Trichlorobenzene	0.928	0.963	1.076	1.189	0.935	1.028	1.020	9.9
1,2,3-Trichlorobenzene	0.974	0.973	1.107	1.191	0.901	1.113	1.043	10.6
1,2-Dichloroethane-d4	0.773	0.663	0.646	0.618	0.919		0.724	17.1
Dibromofluoromethane	0.435	0.382	0.377	0.360	0.454		0.402	10.1
Toluene-d8	1.166	1.092	1.136	1.097	1.411		1.181	11.2
4-Bromofluorobenzene	0.481	0.464	0.507	0.501	0.477		0.486	3.6

* 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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3172</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>09/24/2025 10:49</u>
Lab File ID:	<u>VV039146.D</u>	Init. Calib. Date(s):	<u>09/22/2025 09/22/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:26 16:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.792	0.627		-20.83	20
Chloromethane	0.850	0.730	0.1	-14.12	20
Vinyl Chloride	0.910	0.742		-18.46	20
Bromomethane	0.573	0.504		-12.04	20
Chloroethane	0.631	0.488		-22.66	20
Trichlorofluoromethane	1.317	1.061		-19.44	20
1,1,2-Trichlorotrifluoroethane	0.784	0.628		-19.9	20
Tert butyl alcohol	0.153	0.157		2.61	20
1,1-Dichloroethene	0.754	0.615		-18.43	20
Acetone	0.523	0.448		-14.34	20
Carbon Disulfide	2.306	1.849		-19.82	20
Methyl tert-butyl Ether	2.402	2.294		-4.5	20
Methyl Acetate	1.072	1.090		1.68	20
Methylene Chloride	1.066	0.777		-27.11	20
trans-1,2-Dichloroethene	0.803	0.683		-14.94	20
1,1-Dichloroethane	1.576	1.323	0.1	-16.05	20
Cyclohexane	1.291	1.047		-18.9	20
2-Butanone	0.579	0.608		5.01	20
Carbon Tetrachloride	0.743	0.609		-18.03	20
cis-1,2-Dichloroethene	0.885	0.808		-8.7	20
Bromochloromethane	0.696	0.683		-1.87	20
Chloroform	1.645	1.449		-11.91	20
1,1,1-Trichloroethane	1.424	1.169		-17.91	20
Methylcyclohexane	0.734	0.667		-9.13	20
Benzene	1.979	1.817		-8.19	20
1,2-Dichloroethane	0.693	0.655		-5.48	20
Trichloroethene	0.457	0.405		-11.38	20
1,2-Dichloropropane	0.492	0.476		-3.25	20
Bromodichloromethane	0.778	0.727		-6.55	20
4-Methyl-2-Pentanone	0.661	0.751		13.62	20
Toluene	1.147	1.120		-2.35	20
t-1,3-Dichloropropene	0.678	0.704		3.84	20
cis-1,3-Dichloropropene	0.749	0.769		2.67	20
1,1,2-Trichloroethane	0.514	0.500		-2.72	20
2-Hexanone	0.463	0.557		20.3	20
Dibromochloromethane	0.586	0.559		-4.61	20
1,2-Dibromoethane	0.526	0.530		0.76	20
Tetrachloroethene	0.419	0.347		-17.18	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3172</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>09/24/2025 10:49</u>
Lab File ID:	<u>VV039146.D</u>	Init. Calib. Date(s):	<u>09/22/2025 09/22/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:26 16:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.393	1.221	0.3	-12.35	20
Ethyl Benzene	2.108	1.997		-5.27	20
m/p-Xylenes	0.814	0.814		0	20
o-Xylene	0.720	0.732		1.67	20
Styrene	1.263	1.382		9.42	20
Bromoform	0.393	0.378	0.1	-3.82	20
Isopropylbenzene	3.627	3.308		-8.8	20
1,1,2,2-Tetrachloroethane	1.589	1.354	0.3	-14.79	20
1,3-Dichlorobenzene	1.904	1.649		-13.39	20
1,4-Dichlorobenzene	2.089	1.730		-17.18	20
1,2-Dichlorobenzene	1.779	1.564		-12.09	20
1,2-Dibromo-3-Chloropropane	0.330	0.288		-12.73	20
1,2,4-Trichlorobenzene	1.020	0.948		-7.06	20
1,2,3-Trichlorobenzene	1.043	1.000		-4.12	20
1,2-Dichloroethane-d4	0.724	0.661		-8.7	20
Dibromofluoromethane	0.402	0.366		-8.95	20
Toluene-d8	1.181	1.053		-10.84	20
4-Bromofluorobenzene	0.486	0.489		0.62	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3172</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>09/25/2025 09:59</u>
Lab File ID:	<u>VV039168.D</u>	Init. Calib. Date(s):	<u>09/22/2025 09/22/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:26 16:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.792	0.682		-13.89	20
Chloromethane	0.850	0.729	0.1	-14.23	20
Vinyl Chloride	0.910	0.819		-10	20
Bromomethane	0.573	0.458		-20.07	20
Chloroethane	0.631	0.507		-19.65	20
Trichlorofluoromethane	1.317	1.199		-8.96	20
1,1,2-Trichlorotrifluoroethane	0.784	0.710		-9.44	20
Tert butyl alcohol	0.153	0.153		0	20
1,1-Dichloroethene	0.754	0.698		-7.43	20
Acetone	0.523	0.406		-22.37	20
Carbon Disulfide	2.306	2.004		-13.1	20
Methyl tert-butyl Ether	2.402	2.247		-6.45	20
Methyl Acetate	1.072	0.995		-7.18	20
Methylene Chloride	1.066	0.788		-26.08	20
trans-1,2-Dichloroethene	0.803	0.724		-9.84	20
1,1-Dichloroethane	1.576	1.367	0.1	-13.26	20
Cyclohexane	1.291	1.147		-11.15	20
2-Butanone	0.579	0.544		-6.05	20
Carbon Tetrachloride	0.743	0.689		-7.27	20
cis-1,2-Dichloroethene	0.885	0.825		-6.78	20
Bromochloromethane	0.696	0.612		-12.07	20
Chloroform	1.645	1.426		-13.31	20
1,1,1-Trichloroethane	1.424	1.255		-11.87	20
Methylcyclohexane	0.734	0.797		8.58	20
Benzene	1.979	1.926		-2.68	20
1,2-Dichloroethane	0.693	0.639		-7.79	20
Trichloroethene	0.457	0.463		1.31	20
1,2-Dichloropropane	0.492	0.493		0.2	20
Bromodichloromethane	0.778	0.729		-6.3	20
4-Methyl-2-Pentanone	0.661	0.702		6.2	20
Toluene	1.147	1.204		4.97	20
t-1,3-Dichloropropene	0.678	0.709		4.57	20
cis-1,3-Dichloropropene	0.749	0.783		4.54	20
1,1,2-Trichloroethane	0.514	0.498		-3.11	20
2-Hexanone	0.463	0.528		14.04	20
Dibromochloromethane	0.586	0.574		-2.05	20
1,2-Dibromoethane	0.526	0.534		1.52	20
Tetrachloroethene	0.419	0.418		-0.24	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:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3172</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>09/25/2025</u> <u>09:59</u>
Lab File ID:	<u>VV039168.D</u>	Init. Calib. Date(s):	<u>09/22/2025</u> <u>09/22/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:26</u> <u>16:35</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.393	1.377	0.3	-1.15	20
Ethyl Benzene	2.108	2.320		10.06	20
m/p-Xylenes	0.814	0.936		14.99	20
o-Xylene	0.720	0.841		16.81	20
Styrene	1.263	1.530		21.14	20
Bromoform	0.393	0.402	0.1	2.29	20
Isopropylbenzene	3.627	3.946		8.8	20
1,1,2,2-Tetrachloroethane	1.589	1.396	0.3	-12.15	20
1,3-Dichlorobenzene	1.904	1.857		-2.47	20
1,4-Dichlorobenzene	2.089	1.903		-8.9	20
1,2-Dichlorobenzene	1.779	1.736		-2.42	20
1,2-Dibromo-3-Chloropropane	0.330	0.292		-11.52	20
1,2,4-Trichlorobenzene	1.020	1.062		4.12	20
1,2,3-Trichlorobenzene	1.043	1.082		3.74	20
1,2-Dichloroethane-d4	0.724	0.609		-15.88	20
Dibromofluoromethane	0.402	0.384		-4.48	20
Toluene-d8	1.181	1.121		-5.08	20
4-Bromofluorobenzene	0.486	0.508		4.53	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_V\DATA\VV092425\
 Data File : VV039157.D
 Acq On : 24 Sep 2025 17:00
 Operator : SY/MD
 Sample : Q3172-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW7D

Manual Integrations APPROVED

Reviewed By : Mahesh Dadoda 09/26/2025
 Supervised By : Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:19:09 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	784952	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1453021	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.805	117	1186446	50.000	ug/l	0.03
72) 1,4-Dichlorobenzene-d4	11.172	152	645392	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.944	65	577583	50.841	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 101.680%	
35) Dibromofluoromethane	4.503	113	455826	39.022	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 78.040%#	
50) Toluene-d8	7.239	98	1428833	41.648	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 83.300%#	
62) 4-Bromofluorobenzene	10.001	95	589602	41.746	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 83.500%#	

Target Compounds

						Qvalue
4) Vinyl Chloride	1.298	62	763995	53.498	ug/l #	64
8) Diethyl Ether	1.921	74	22870	2.980	ug/l	93
12) 1,1-Dichloroethene	2.085	96	109964	9.291	ug/l	99
17) Carbon Disulfide	2.259	76	34033	0.940	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	978973	77.701	ug/l	99
22) Diisopropyl ether	3.220	45	114080	2.820	ug/l #	31
24) 1,1-Dichloroethane	3.121	63	8430	0.341	ug/l	98
27) cis-1,2-Dichloroethene	3.815	96	16939500	1219.054	ug/l	88
30) Chloroform	4.291	83	26684	1.033	ug/l	97
31) Cyclohexane	4.590	56	67600	3.336	ug/l #	79
39) Methylcyclohexane	6.050	83	90115	4.225	ug/l	97
40) Benzene	5.008	78	2255720	39.223	ug/l	98
44) Trichloroethene	5.818	130	25787799m	1943.227	ug/l	
52) Toluene	7.317	92	153855	4.614	ug/l	99
64) Tetrachloroethene	7.905	164	21046	2.118	ug/l	96
65) Chlorobenzene	8.792	112	52027969m	1574.331	ug/l	
67) Ethyl Benzene	8.953	91	152525	3.049	ug/l	99
68) m/p-Xylenes	9.075	106	82715	4.284	ug/l	92
69) o-Xylene	9.477	106	25960	1.519	ug/l	93
73) Isopropylbenzene	9.863	105	37694	0.805	ug/l	100
77) Bromobenzene	10.153	156	13631	1.122	ug/l	96
79) 2-Chlorotoluene	10.352	91	152988	4.485	ug/l	99
83) tert-Butylbenzene	10.792	119	25904	0.668	ug/l	88
84) 1,2,4-Trimethylbenzene	10.847	105	21492	0.569	ug/l	99
87) 1,3-Dichlorobenzene	11.111	146	87249	3.550	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	1378381	51.115	ug/l	98
91) 1,2-Dichlorobenzene	11.567	146	1853630	80.719	ug/l	99
95) Naphthalene	13.442	128	18472	0.434	ug/l #	94

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

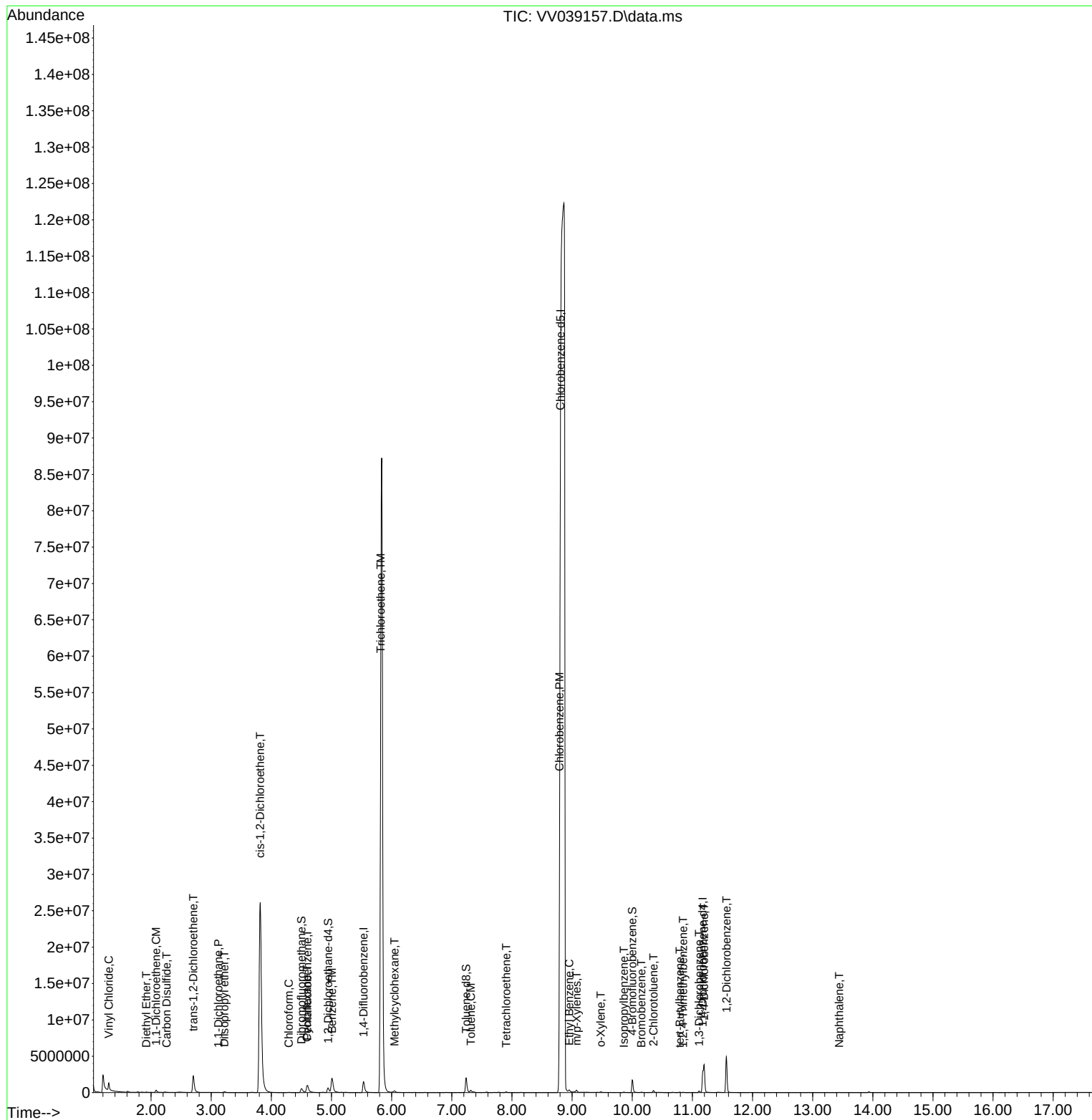
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Data File : VV039157.D
Acq On : 24 Sep 2025 17:00
Operator : SY/MD
Sample : Q3172-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

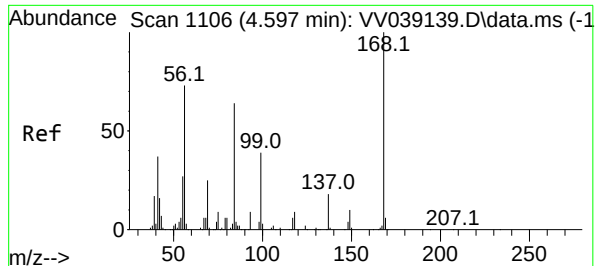
Instrument :
MSVOA_V
ClientSampleId :
FW7D

Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

Quant Time: Sep 25 08:19:09 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration





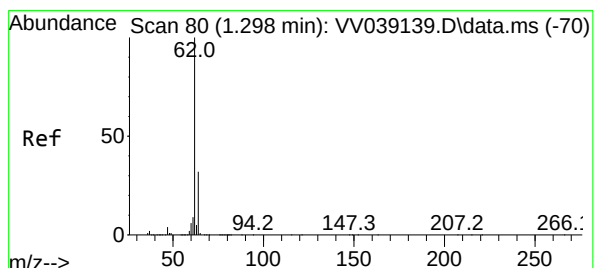
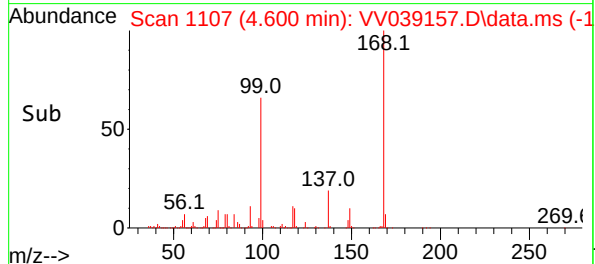
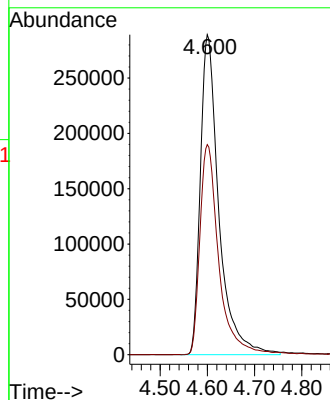
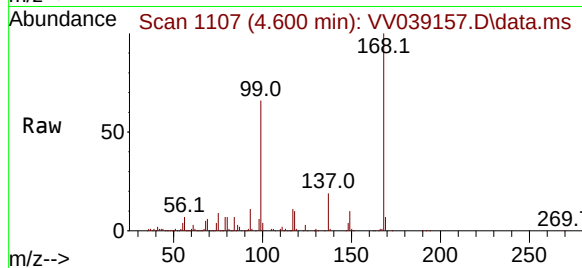
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Tgt Ion:168 Resp: 784952
Ion Ratio Lower Upper
168 100
99 65.6 49.6 74.4

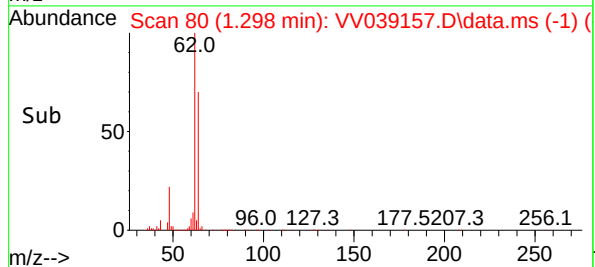
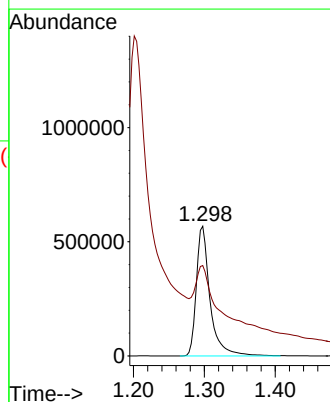
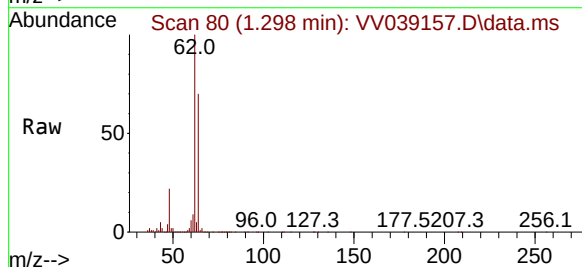
Manual Integrations
APPROVED

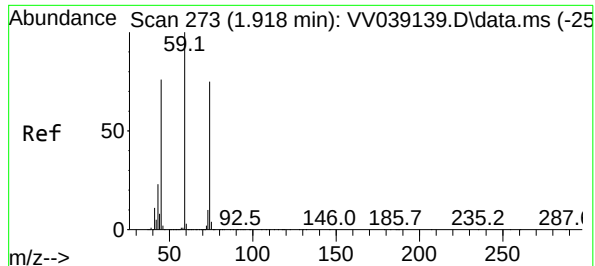
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#4
Vinyl Chloride
Concen: 53.498 ug/l
RT: 1.298 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 62 Resp: 763995
Ion Ratio Lower Upper
62 100
64 52.2 25.6 38.4#





#8

Diethyl Ether

Concen: 2.980 ug/l

RT: 1.921 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 74 Resp: 22870

Ion Ratio Lower Upper

74 100

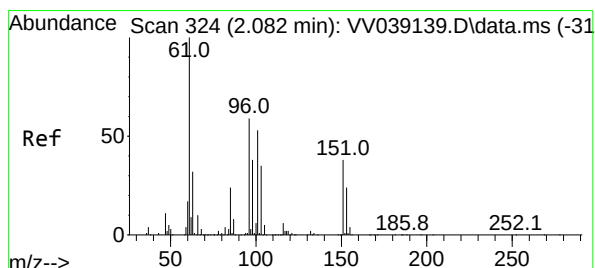
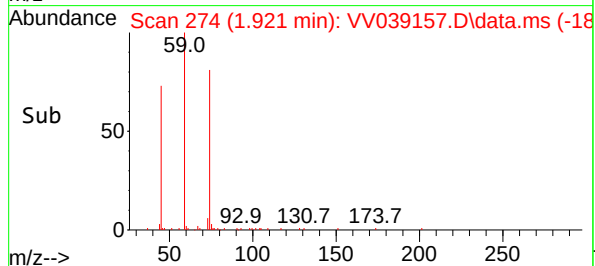
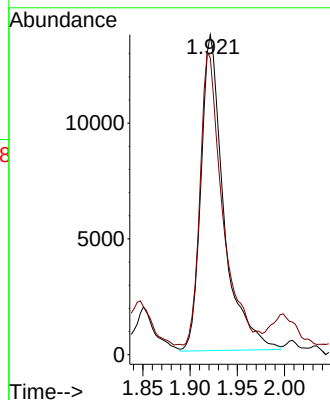
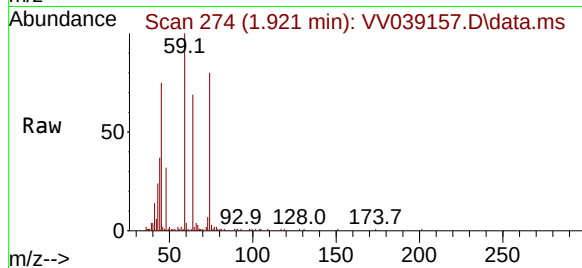
45 92.4 49.6 148.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#12

1,1-Dichloroethene

Concen: 9.291 ug/l

RT: 2.085 min Scan# 325

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

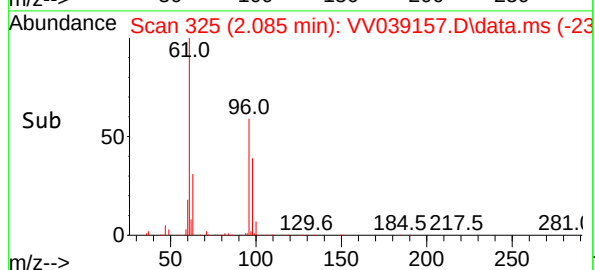
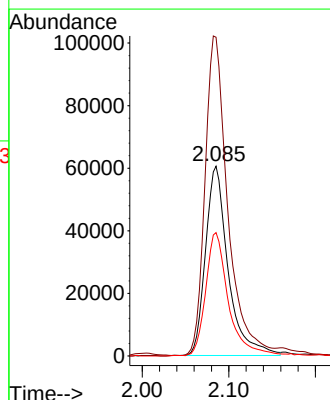
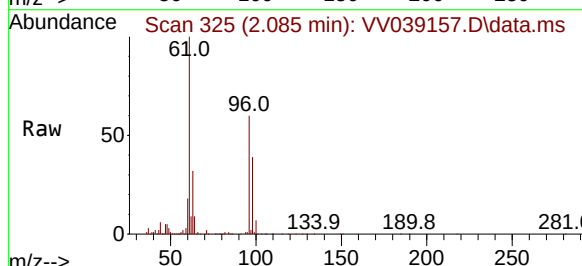
Tgt Ion: 96 Resp: 109964

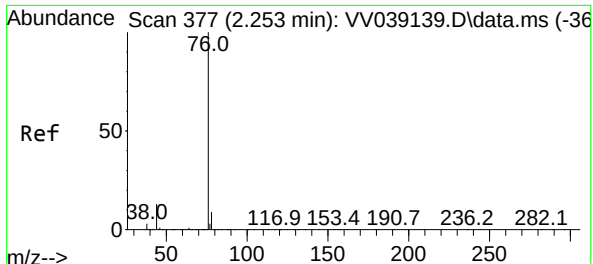
Ion Ratio Lower Upper

96 100

61 168.0 136.0 204.0

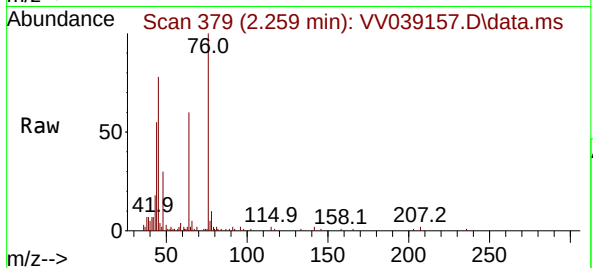
98 64.9 51.0 76.6





#17
Carbon Disulfide
Concen: 0.940 ug/l
RT: 2.259 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

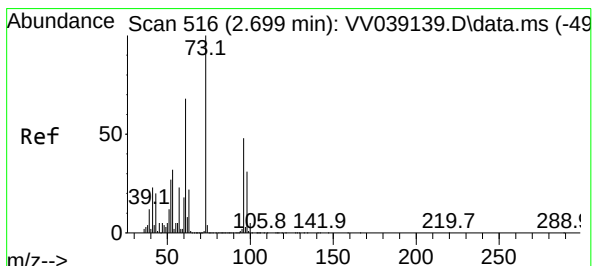
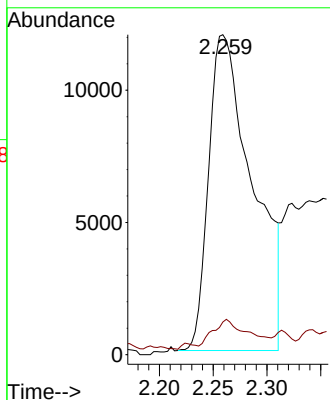
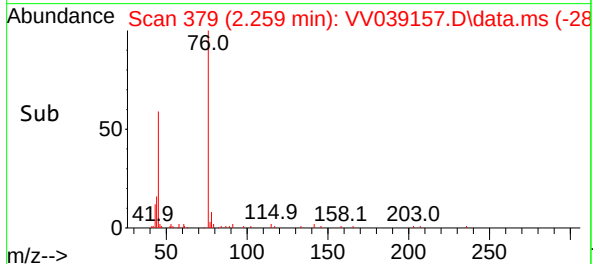
Instrument :
MSVOA_V
ClientSampleId :
FW7D



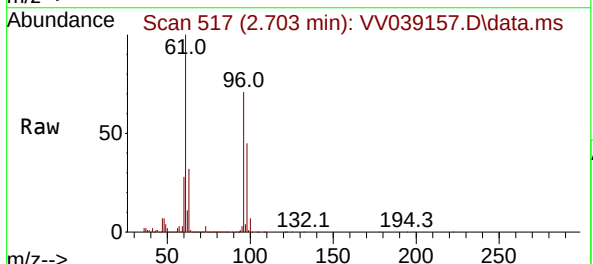
Tgt Ion: 76 Resp: 3403
Ion Ratio Lower Upper
76 100
78 8.6 7.4 11.0

Manual Integrations
APPROVED

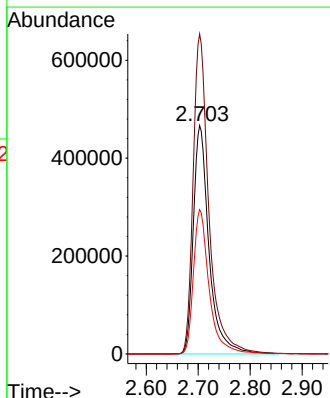
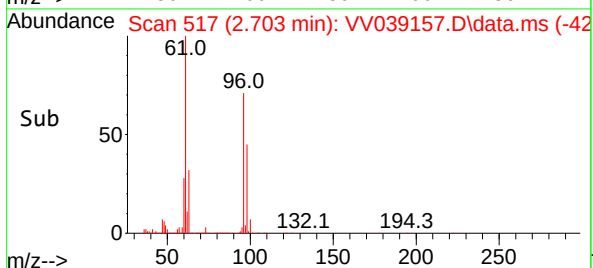
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

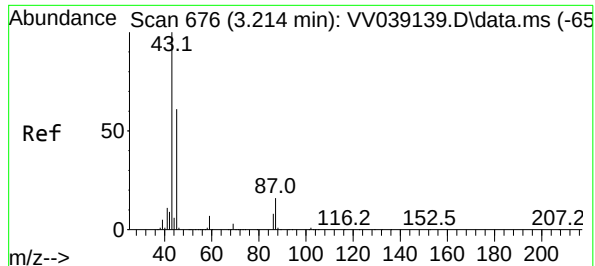


#21
trans-1,2-Dichloroethene
Concen: 77.701 ug/l
RT: 2.703 min Scan# 517
Delta R.T. 0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00



Tgt Ion: 96 Resp: 978973
Ion Ratio Lower Upper
96 100
61 140.0 112.8 169.2
98 63.1 51.1 76.7





#22

Diisopropyl ether

Concen: 2.820 ug/l

RT: 3.220 min Scan# 61

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 45 Resp: 114080

Ion Ratio Lower Upper

45 100

43 50.8 130.9 196.3

87 28.1 21.1 31.7

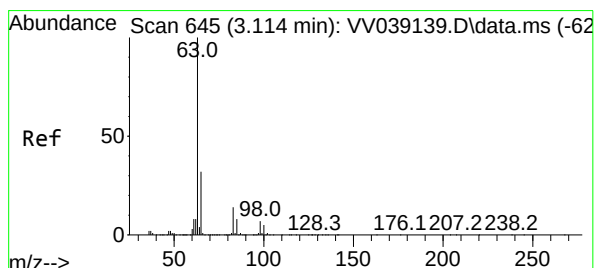
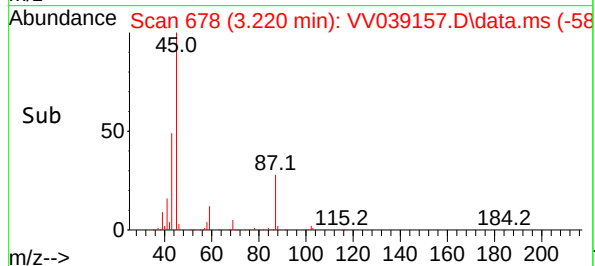
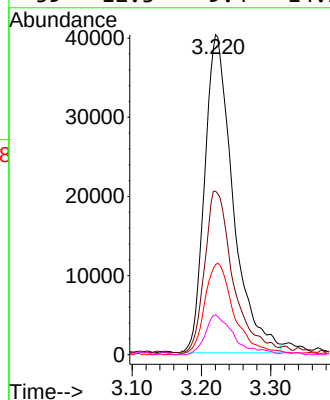
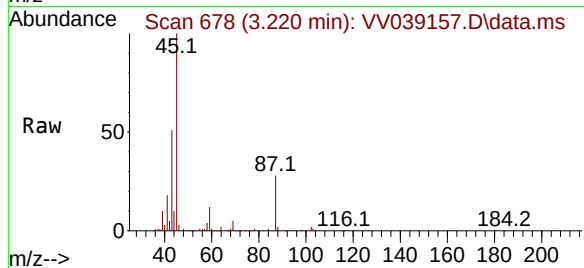
59 12.3 9.4 14.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#24

1,1-Dichloroethane

Concen: 0.341 ug/l

RT: 3.121 min Scan# 647

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

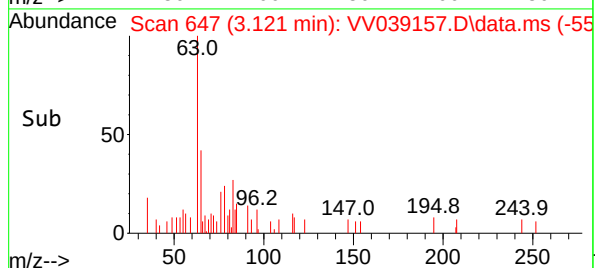
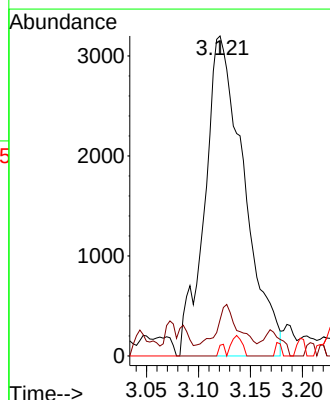
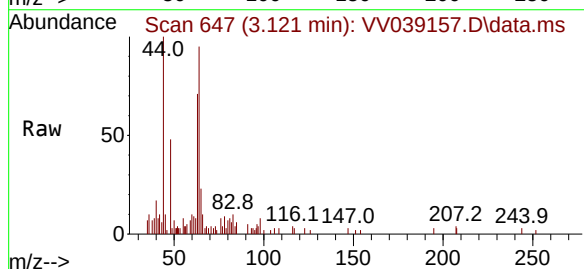
Tgt Ion: 63 Resp: 8430

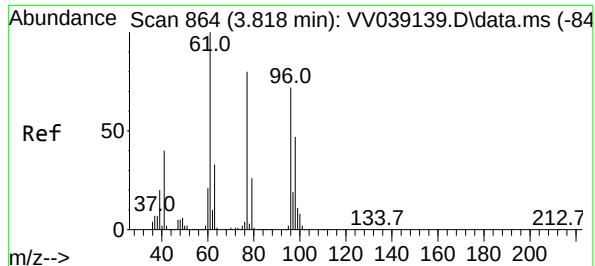
Ion Ratio Lower Upper

63 100

98 6.2 3.4 10.2

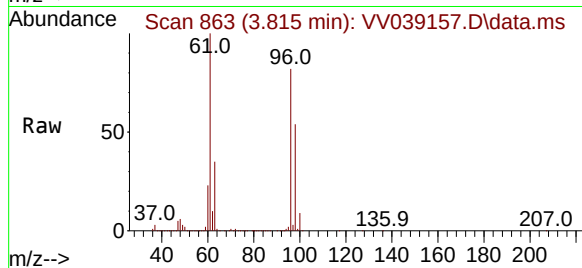
100 3.4 2.2 6.6





#27
cis-1,2-Dichloroethene
Concen: 1219.054 ug/l
RT: 3.815 min Scan# 80
Delta R.T. -0.003 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

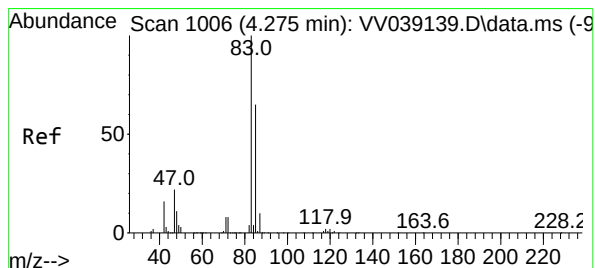
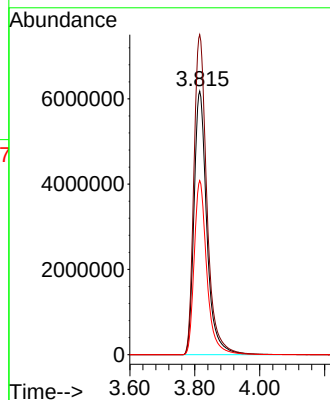
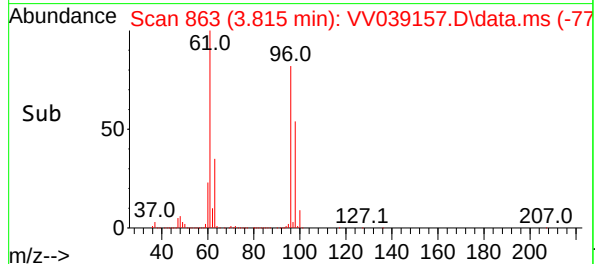
Instrument :
MSVOA_V
ClientSampleId :
FW7D



Tgt Ion: 96 Resp:16939500
Ion Ratio Lower Upper
96 100
61 123.6 0.0 286.4
98 65.2 0.0 126.6

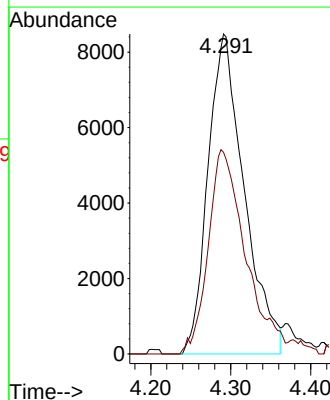
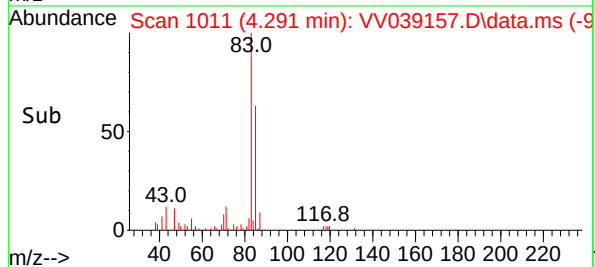
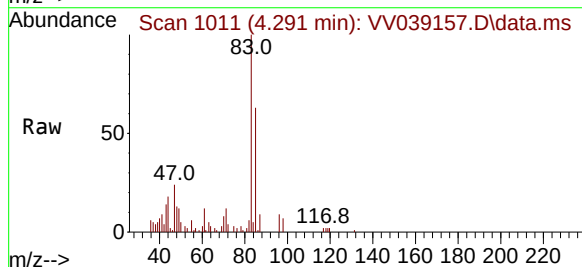
Manual Integrations
APPROVED

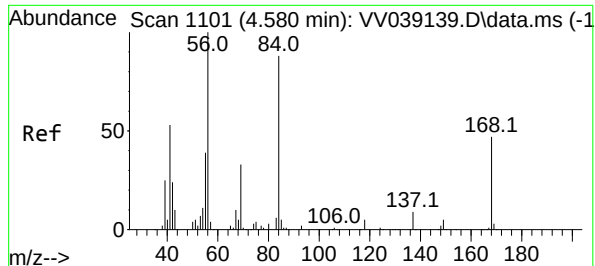
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#30
Chloroform
Concen: 1.033 ug/l
RT: 4.291 min Scan# 1011
Delta R.T. 0.016 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 83 Resp: 26684
Ion Ratio Lower Upper
83 100
85 63.0 52.1 78.1





#31

Cyclohexane

Concen: 3.336 ug/l

RT: 4.590 min Scan# 1101

Delta R.T. 0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 56 Resp: 67600

Ion Ratio Lower Upper

56 100

69 68.3 26.2 39.2

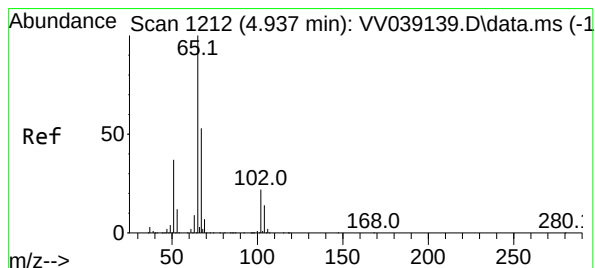
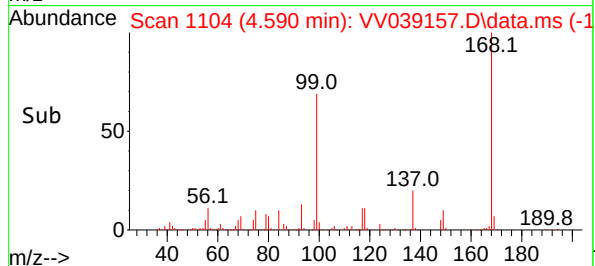
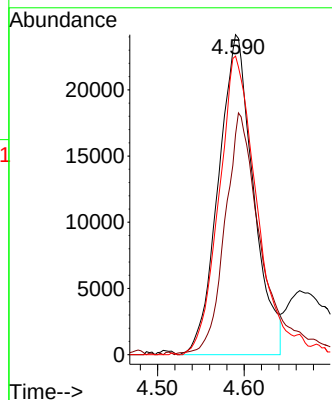
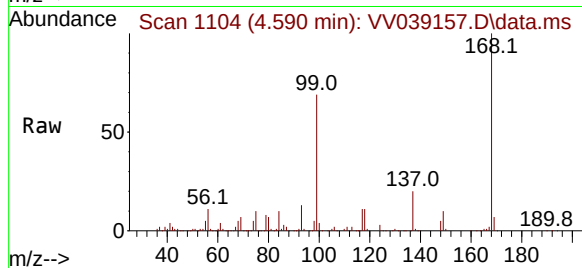
84 93.3 70.3 105.5

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#33

1,2-Dichloroethane-d4

Concen: 50.841 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039157.D

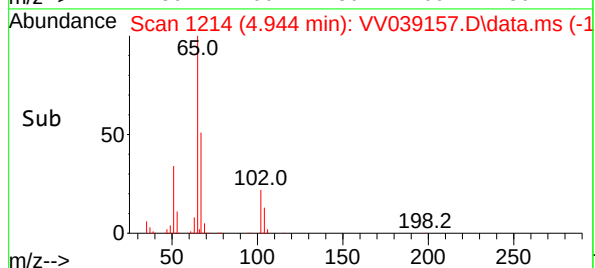
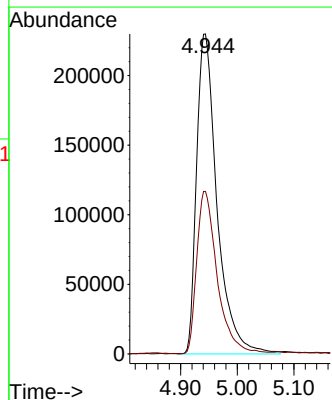
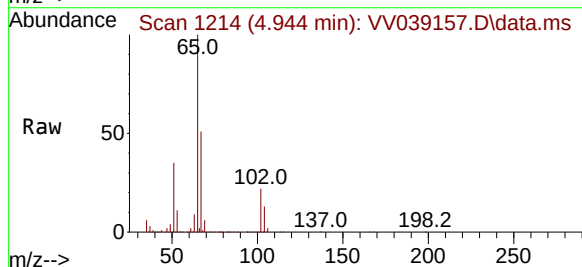
Acq: 24 Sep 2025 17:00

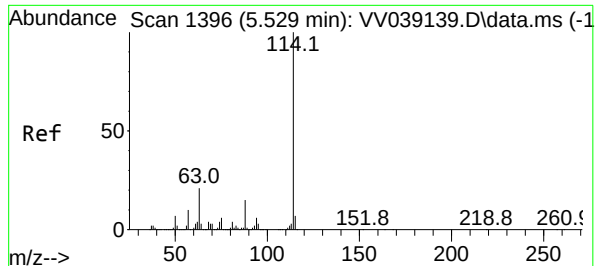
Tgt Ion: 65 Resp: 577583

Ion Ratio Lower Upper

65 100

67 50.7 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:114 Resp: 145302

Ion Ratio Lower Upper

114 100

63 20.7 0.0 42.6

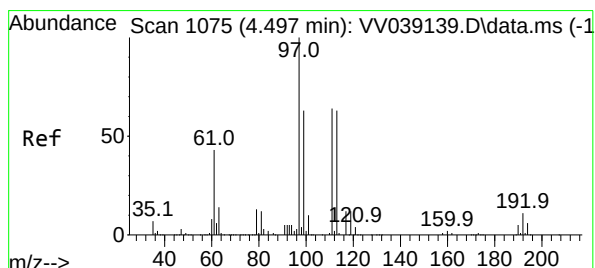
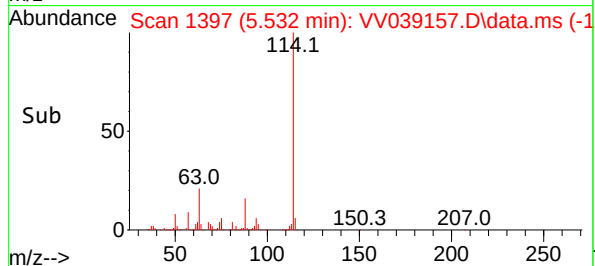
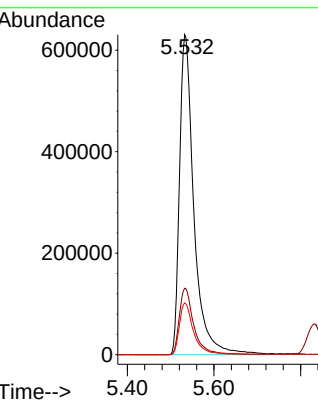
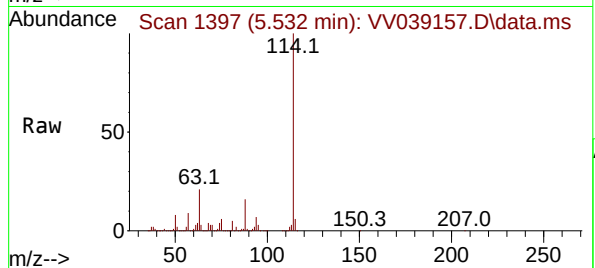
88 16.2 0.0 30.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#35

Dibromofluoromethane

Concen: 39.022 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

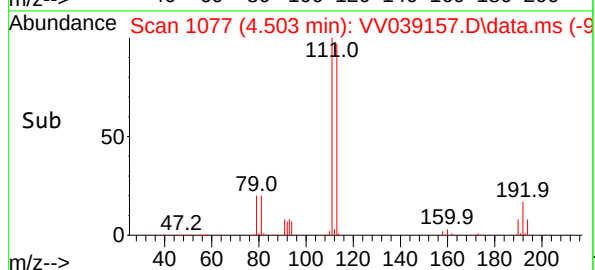
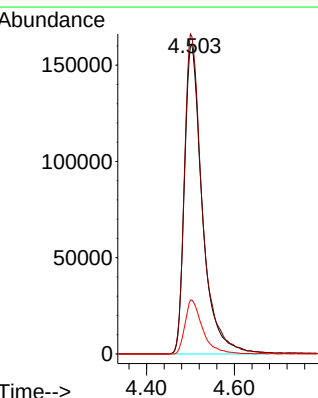
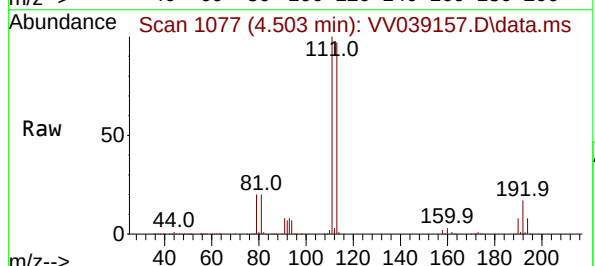
Tgt Ion:113 Resp: 455826

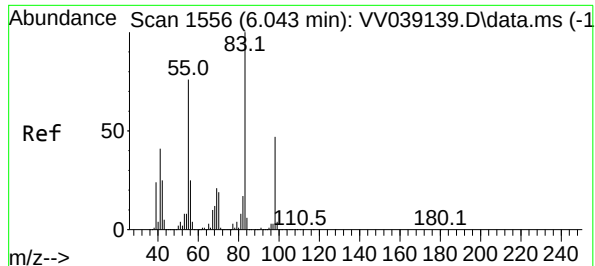
Ion Ratio Lower Upper

113 100

111 103.2 82.4 123.6

192 17.1 13.8 20.8





#39

Methylcyclohexane

Concen: 4.225 ug/l

RT: 6.050 min Scan# 11

Delta R.T. 0.007 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 83 Resp: 9011

Ion Ratio Lower Upper

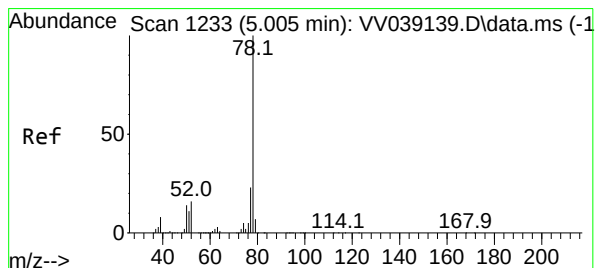
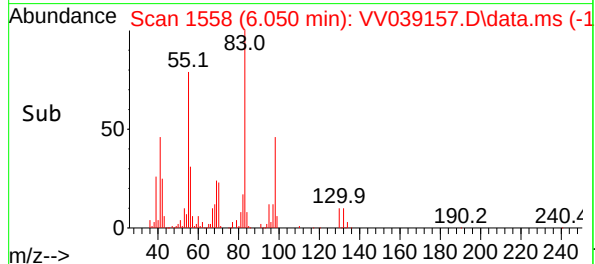
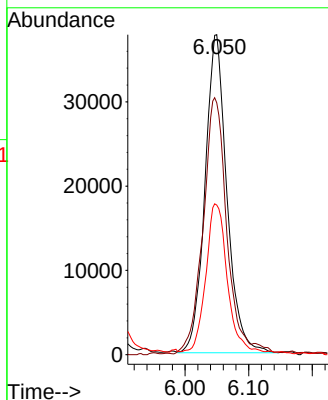
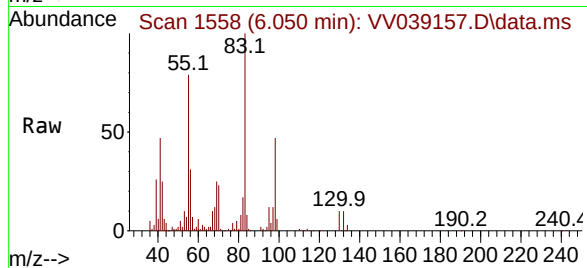
83 100

55 78.4 60.5 90.7

98 46.2 37.8 56.6

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025

#40

Benzene

Concen: 39.223 ug/l

RT: 5.008 min Scan# 1234

Delta R.T. 0.003 min

Lab File: VV039157.D

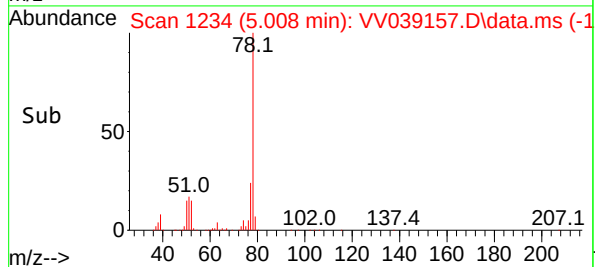
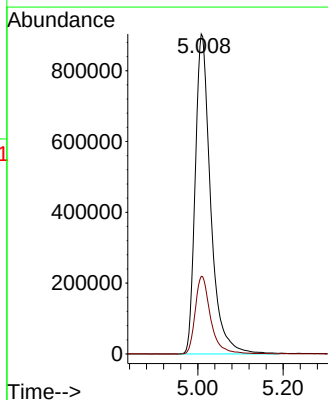
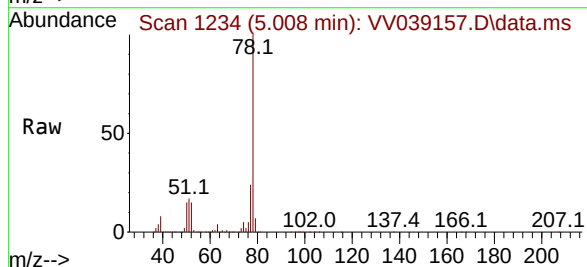
Acq: 24 Sep 2025 17:00

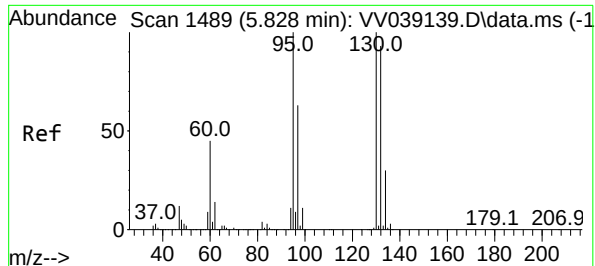
Tgt Ion: 78 Resp: 2255720

Ion Ratio Lower Upper

78 100

77 24.2 18.7 28.1





#44

Trichloroethene

Concen: 1943.227 ug/l

RT: 5.818 min Scan# 1489

Delta R.T. -0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:130 Resp:2578779

Ion Ratio Lower Upper

130 100

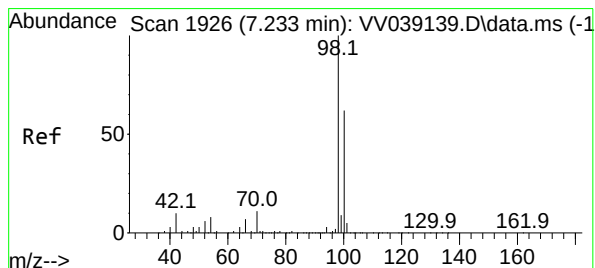
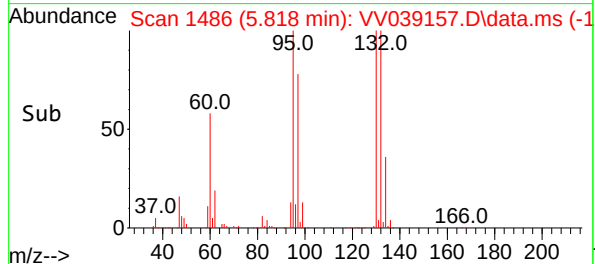
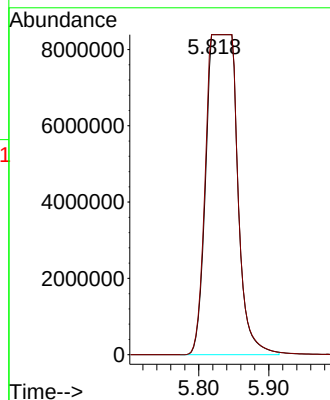
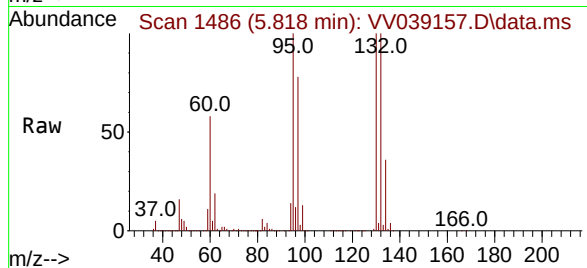
95 100.0 0.0 199.2

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#50

Toluene-d8

Concen: 41.648 ug/l

RT: 7.239 min Scan# 1928

Delta R.T. 0.006 min

Lab File: VV039157.D

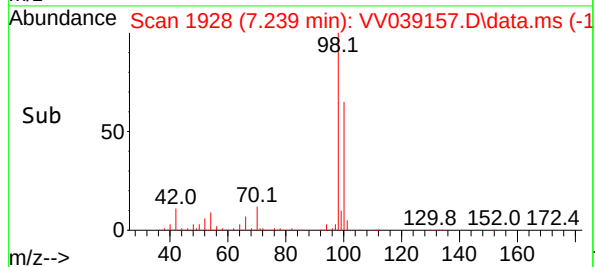
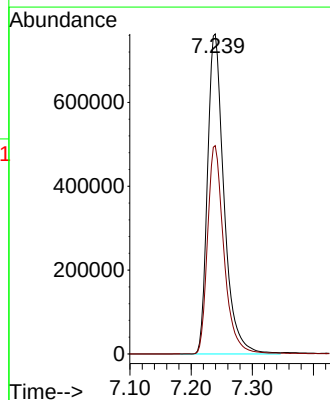
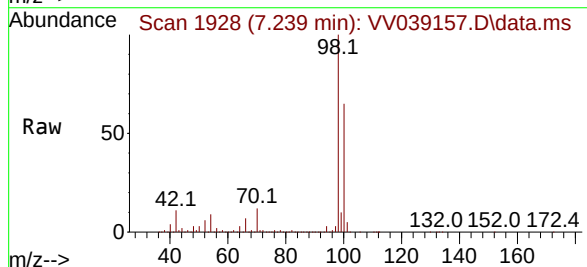
Acq: 24 Sep 2025 17:00

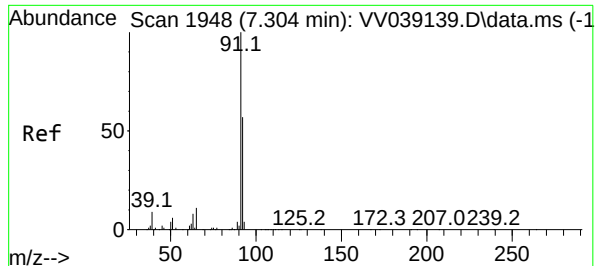
Tgt Ion: 98 Resp: 1428833

Ion Ratio Lower Upper

98 100

100 64.7 52.2 78.2





#52

Toluene

Concen: 4.614 ug/l

RT: 7.317 min Scan# 1948

Delta R.T. 0.013 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion: 92 Resp: 15385

Ion Ratio Lower Upper

92 100

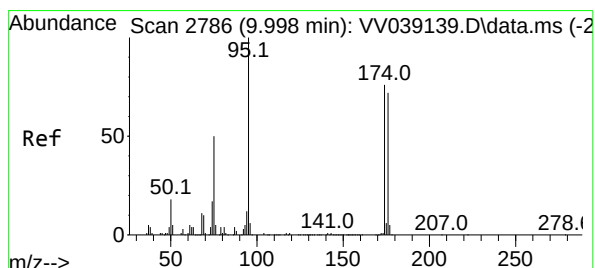
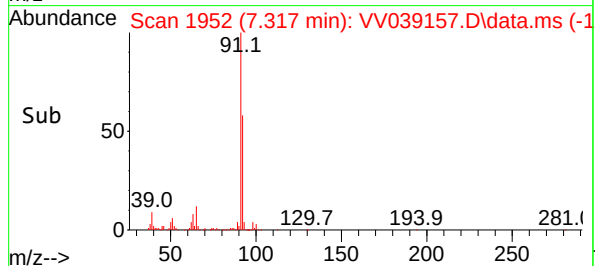
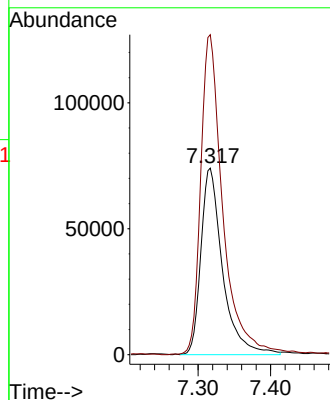
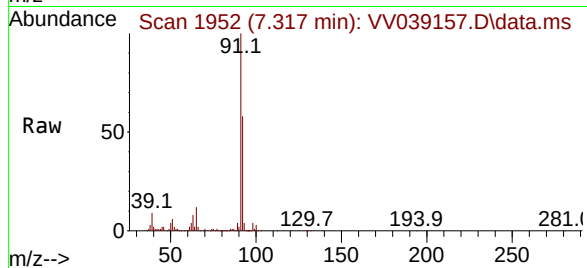
91 174.8 139.2 208.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#62

4-Bromofluorobenzene

Concen: 41.746 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

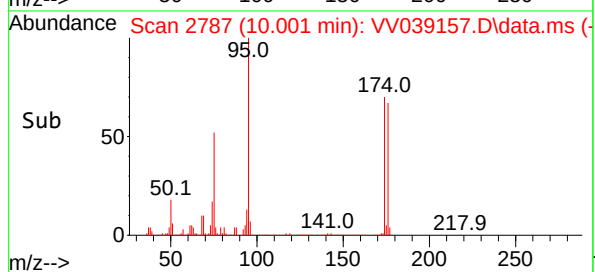
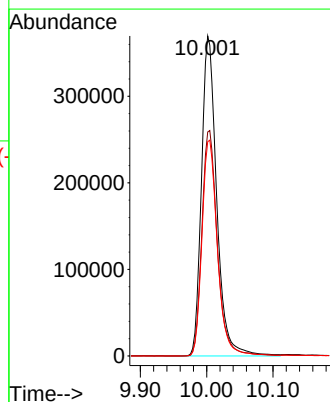
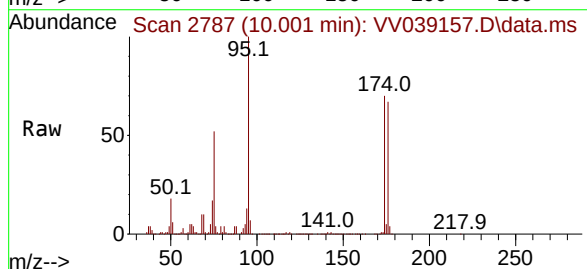
Tgt Ion: 95 Resp: 589602

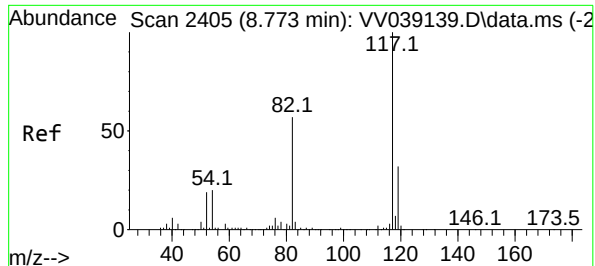
Ion Ratio Lower Upper

95 100

174 71.8 0.0 150.4

176 68.6 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.805 min Scan# 2405

Delta R.T. 0.032 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:117 Resp: 118644

Ion Ratio Lower Upper

117 100

82 57.0 45.4 68.2

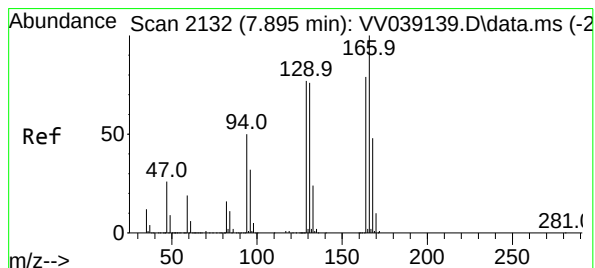
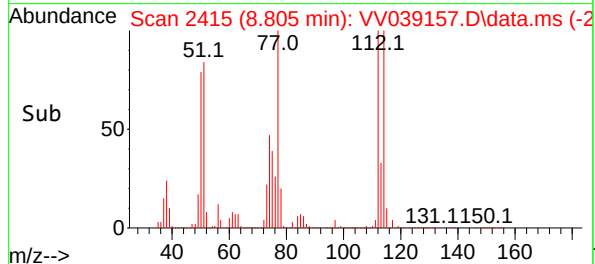
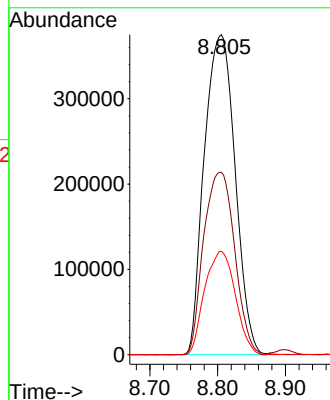
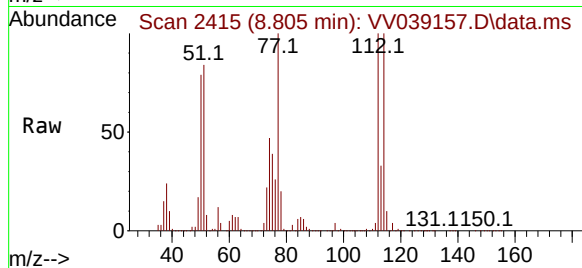
119 32.3 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#64

Tetrachloroethene

Concen: 2.118 ug/l

RT: 7.905 min Scan# 2135

Delta R.T. 0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Tgt Ion:164 Resp: 21046

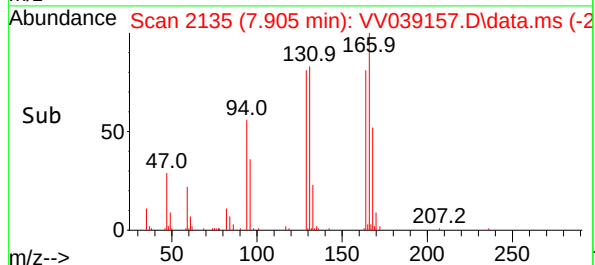
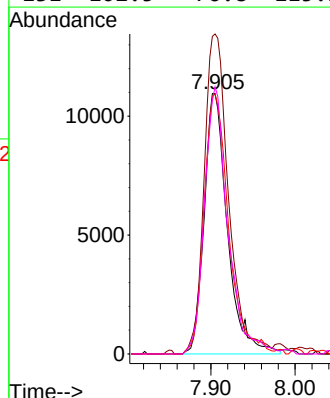
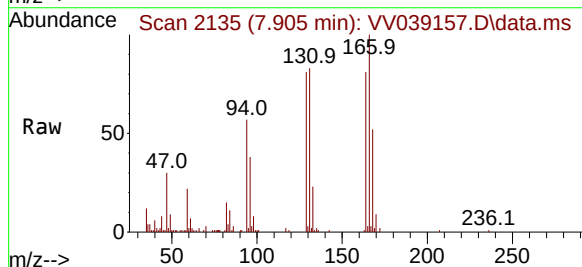
Ion Ratio Lower Upper

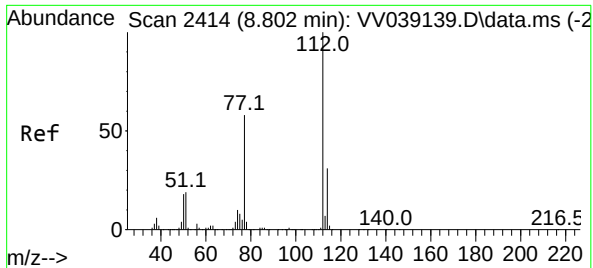
164 100

166 122.9 101.6 152.4

129 99.8 78.5 117.7

131 102.5 76.8 115.2





#65

Chlorobenzene

Concen: 1574.331 ug/l m

RT: 8.792 min Scan# 2414

Delta R.T. -0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:112 Resp:5202796

Ion Ratio Lower Upper

112 100

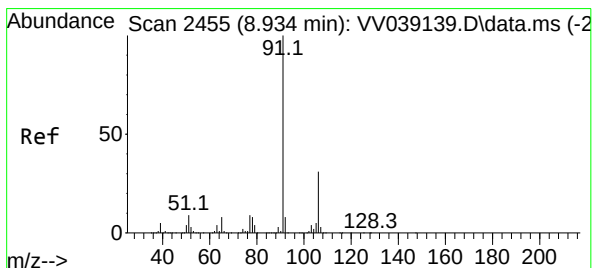
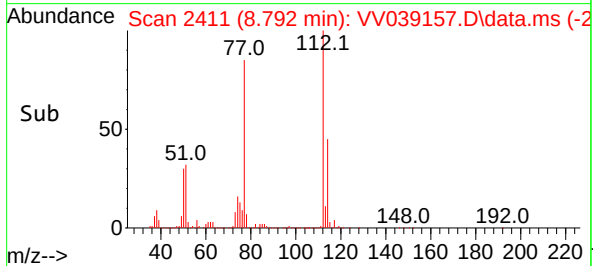
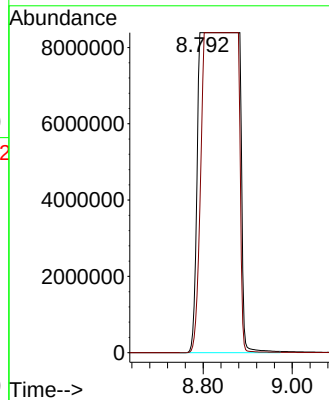
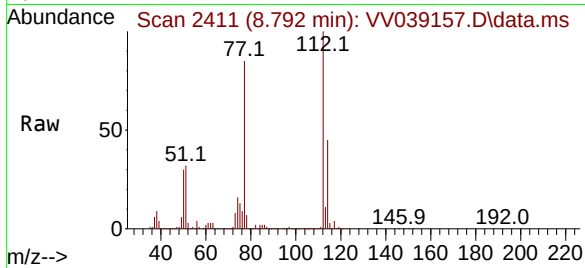
114 45.4 24.6 37.0

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#67

Ethyl Benzene

Concen: 3.049 ug/l

RT: 8.953 min Scan# 2461

Delta R.T. 0.019 min

Lab File: VV039157.D

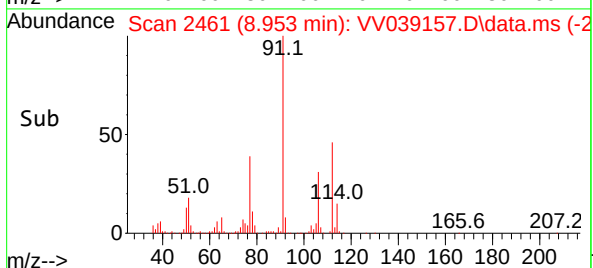
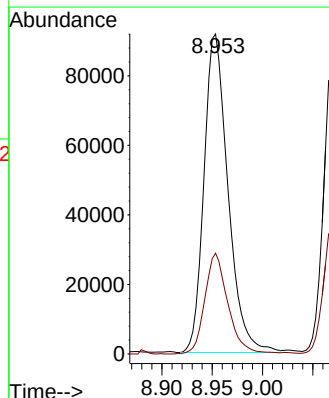
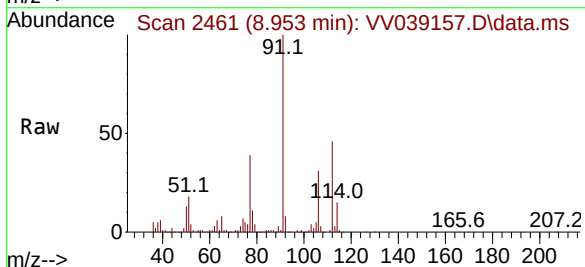
Acq: 24 Sep 2025 17:00

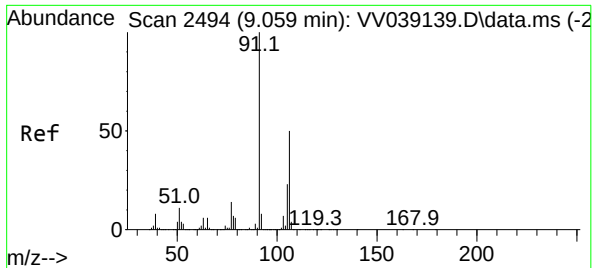
Tgt Ion: 91 Resp: 152525

Ion Ratio Lower Upper

91 100

106 31.5 24.6 37.0





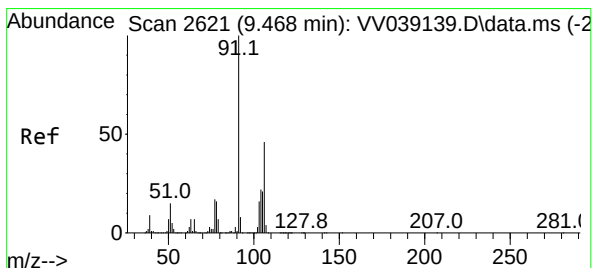
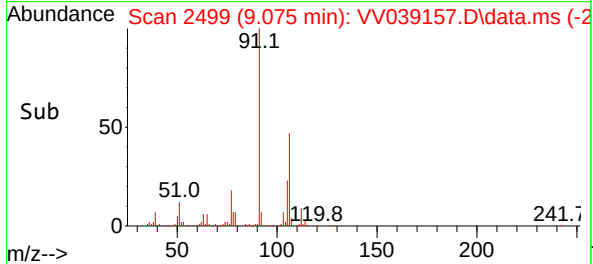
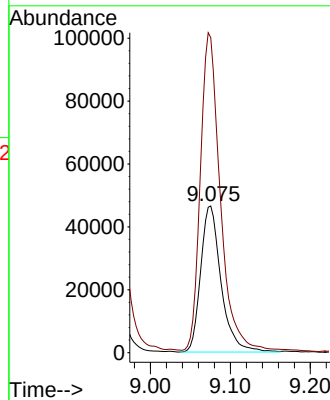
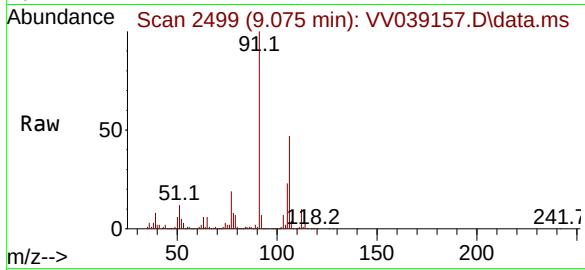
#68
m/p-Xylenes
Concen: 4.284 ug/l
RT: 9.075 min Scan# 2499
Delta R.T. 0.016 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Tgt Ion:106 Resp: 82715
Ion Ratio Lower Upper
106 100
91 214.6 162.5 243.7

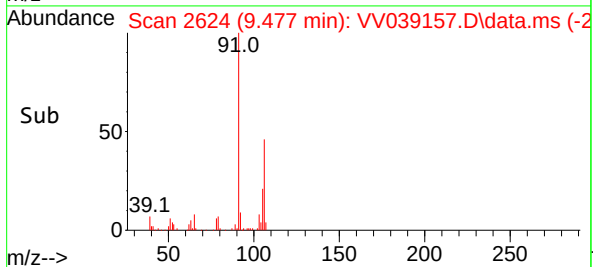
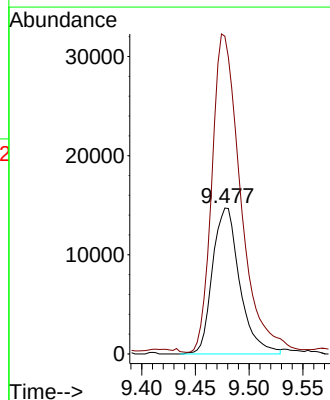
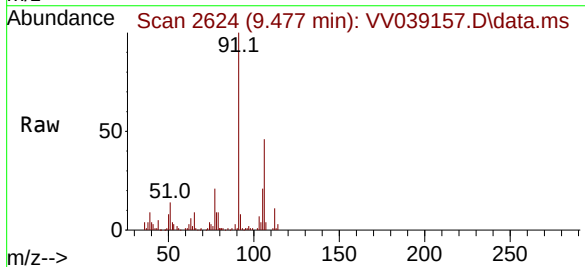
Manual Integrations
APPROVED

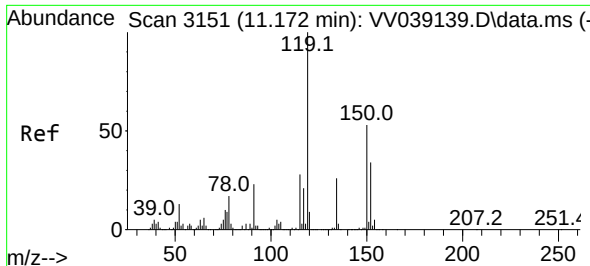
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#69
o-Xylene
Concen: 1.519 ug/l
RT: 9.477 min Scan# 2624
Delta R.T. 0.010 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion:106 Resp: 25960
Ion Ratio Lower Upper
106 100
91 230.1 109.1 327.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:152 Resp: 645392

Ion Ratio Lower Upper

152 100

115 62.1 44.8 134.4

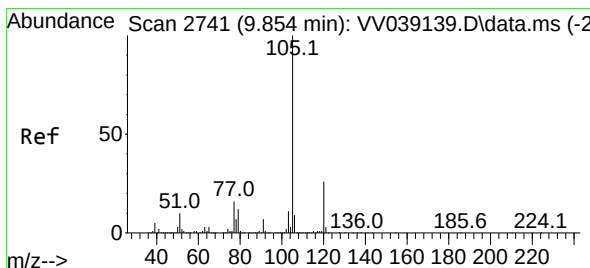
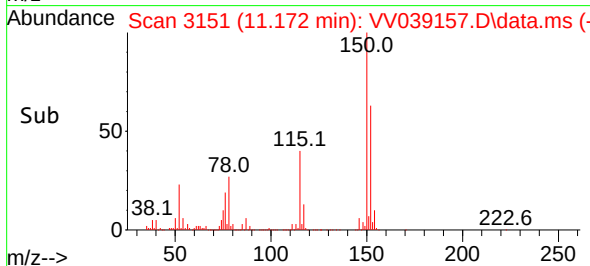
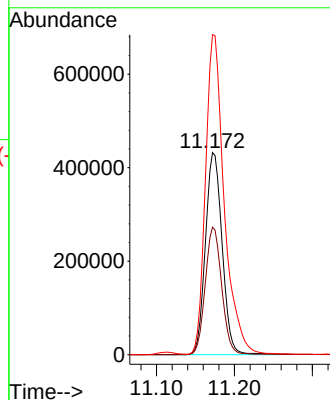
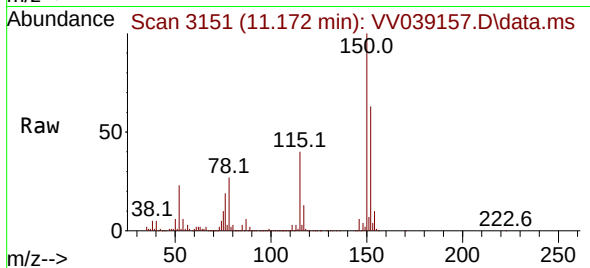
150 176.6 0.0 353.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#73

Isopropylbenzene

Concen: 0.805 ug/l

RT: 9.863 min Scan# 2744

Delta R.T. 0.010 min

Lab File: VV039157.D

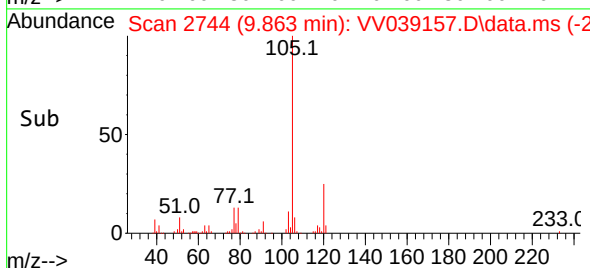
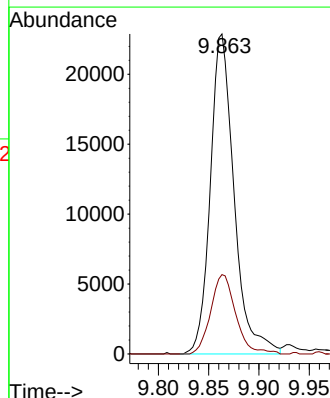
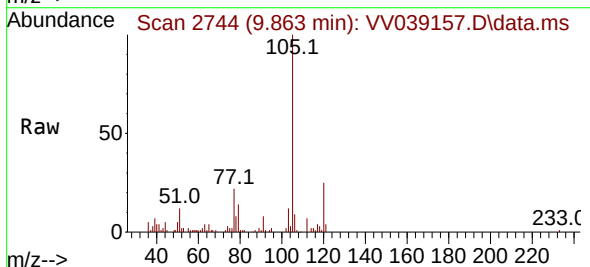
Acq: 24 Sep 2025 17:00

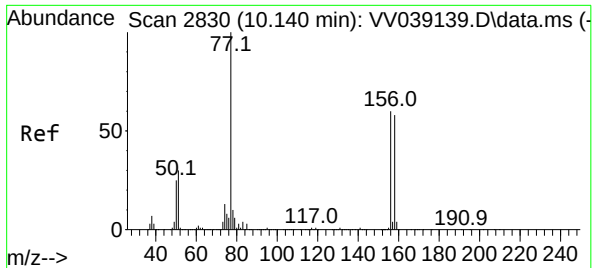
Tgt Ion:105 Resp: 37694

Ion Ratio Lower Upper

105 100

120 26.1 13.1 39.1





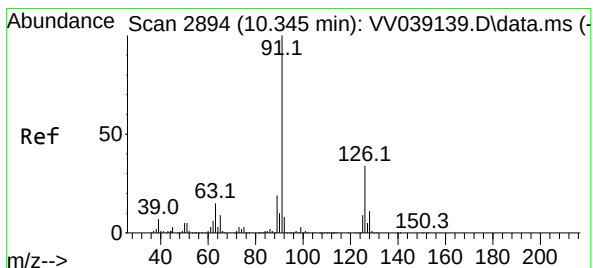
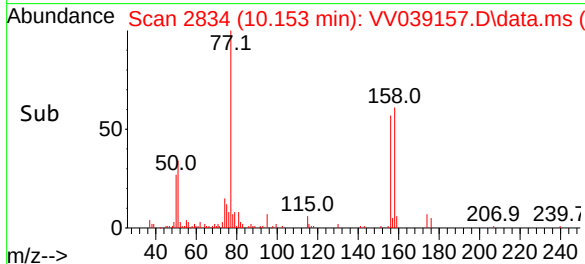
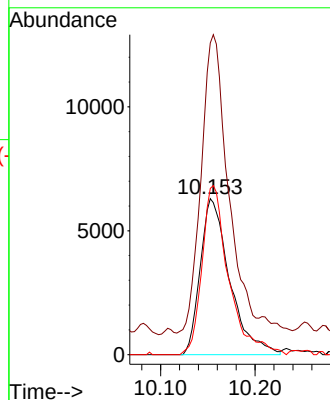
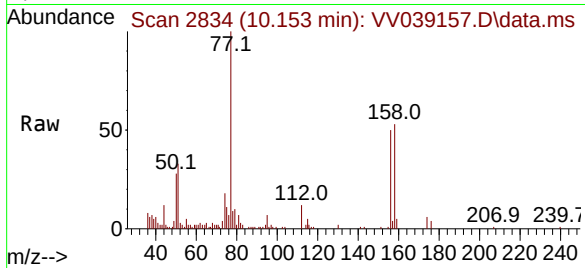
#77
Bromobenzene
Concen: 1.122 ug/l
RT: 10.153 min Scan# 2834
Delta R.T. 0.013 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Tgt Ion:156 Resp: 1363
Ion Ratio Lower Upper
156 100
77 174.6 83.4 250.1
158 98.2 48.8 146.4

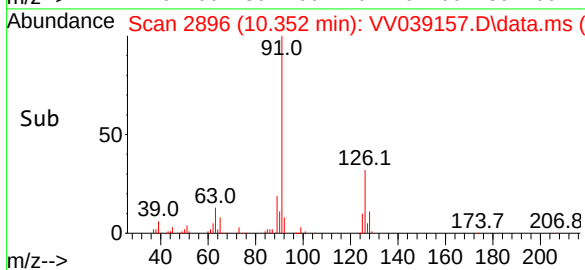
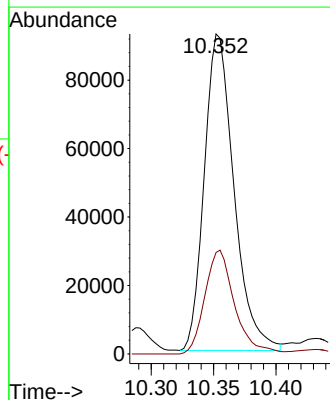
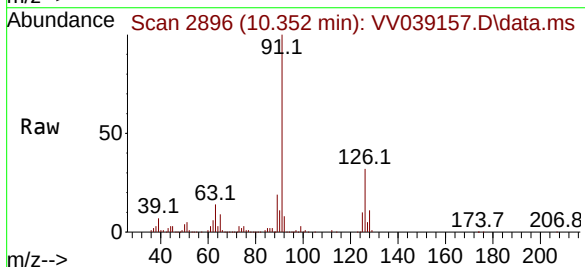
Manual Integrations
APPROVED

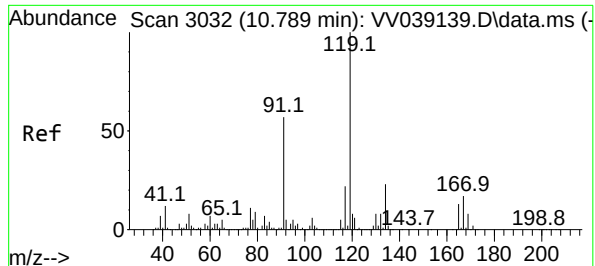
Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#79
2-Chlorotoluene
Concen: 4.485 ug/l
RT: 10.352 min Scan# 2896
Delta R.T. 0.006 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion: 91 Resp: 152988
Ion Ratio Lower Upper
91 100
126 32.8 16.7 50.0





#83

tert-Butylbenzene

Concen: 0.668 ug/l

RT: 10.792 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

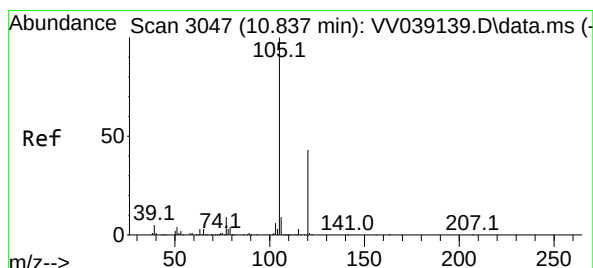
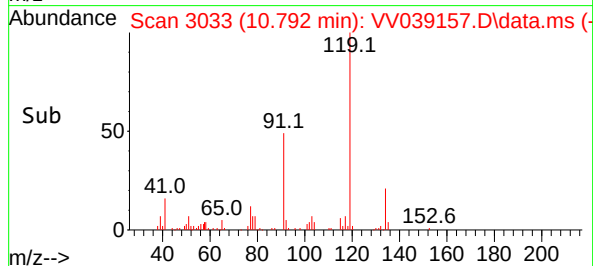
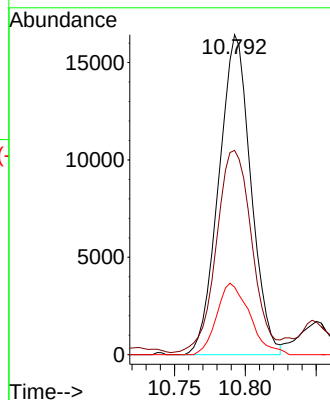
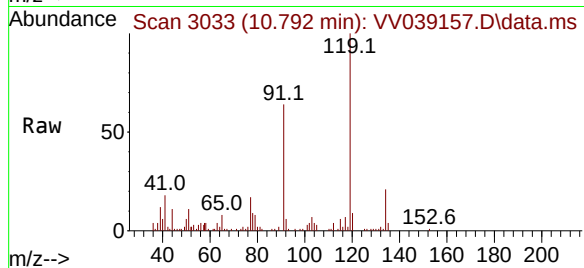
FW7D

Tgt Ion:	119	Resp:	25904
Ion Ratio	Lower	Upper	
119	100		
91	69.7	28.5	85.6
134	22.9	11.5	34.4

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#84

1,2,4-Trimethylbenzene

Concen: 0.569 ug/l

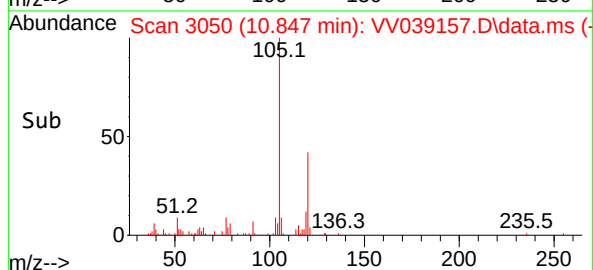
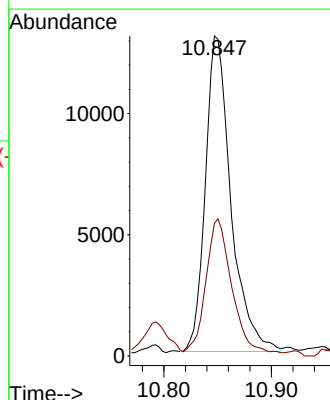
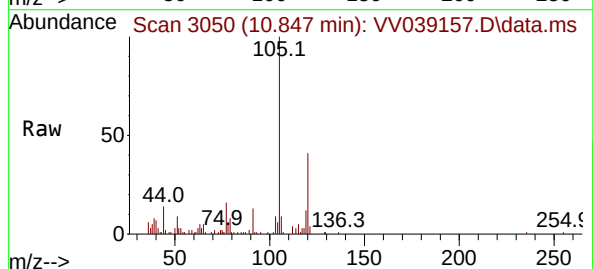
RT: 10.847 min Scan# 3050

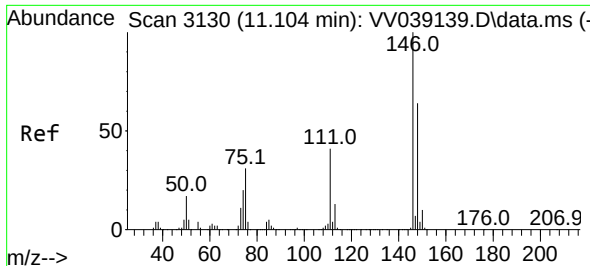
Delta R.T. 0.010 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Tgt Ion:	105	Resp:	21492
Ion Ratio	Lower	Upper	
105	100		
120	45.6	22.4	67.2





#87

1,3-Dichlorobenzene

Concen: 3.550 ug/l

RT: 11.111 min Scan# 3130

Delta R.T. 0.006 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

Instrument :

MSVOA_V

ClientSampleId :

FW7D

Tgt Ion:146 Resp: 87249

Ion Ratio Lower Upper

146 100

111 41.7 20.9 62.8

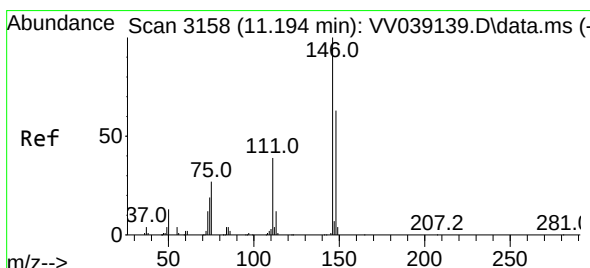
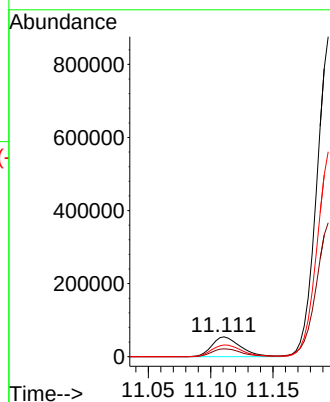
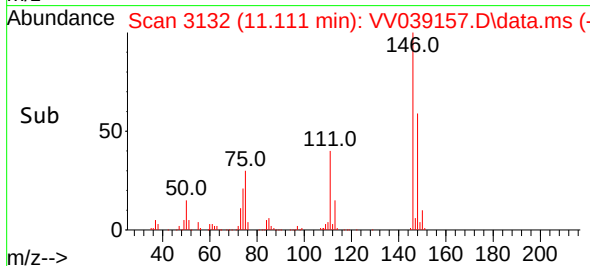
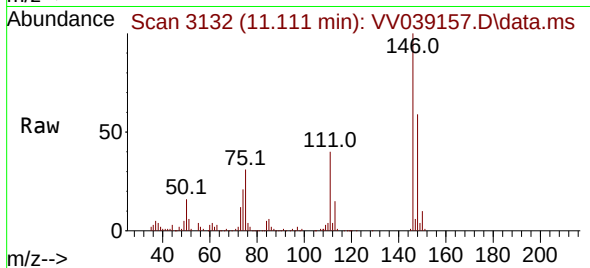
148 62.4 31.8 95.3

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025

Supervised By :Semsettin Yesilyurt 09/26/2025



#88

1,4-Dichlorobenzene

Concen: 51.115 ug/l

RT: 11.194 min Scan# 3158

Delta R.T. -0.000 min

Lab File: VV039157.D

Acq: 24 Sep 2025 17:00

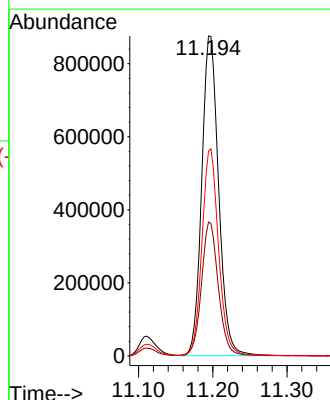
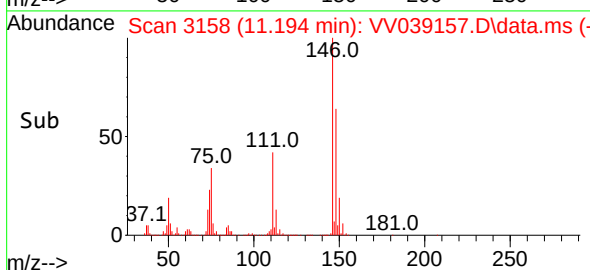
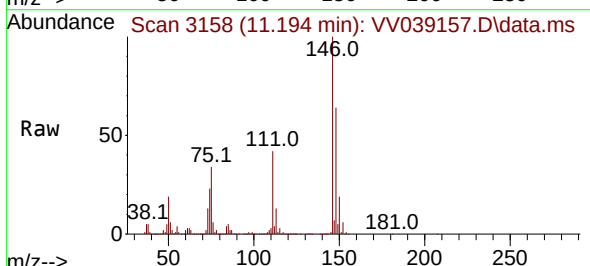
Tgt Ion:146 Resp: 1378381

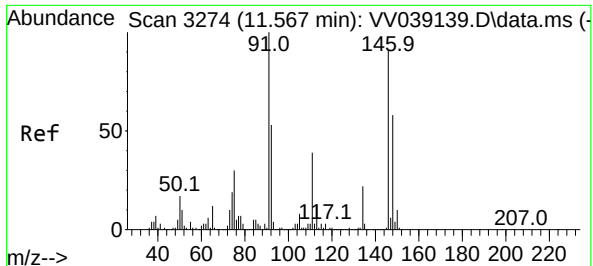
Ion Ratio Lower Upper

146 100

111 42.0 20.3 60.8

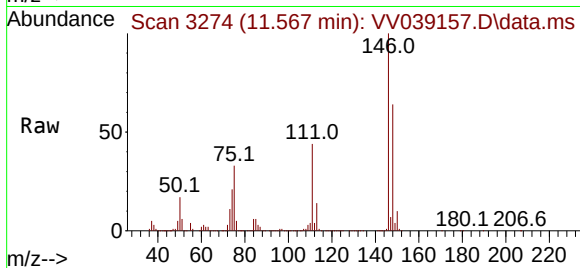
148 63.8 31.4 94.2





#91
1,2-Dichlorobenzene
Concen: 80.719 ug/l
RT: 11.567 min Scan# 31
Delta R.T. 0.000 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

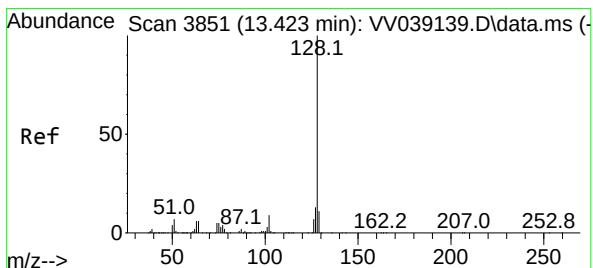
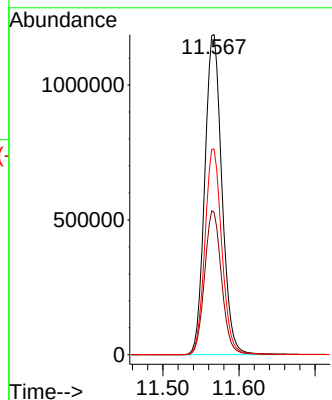
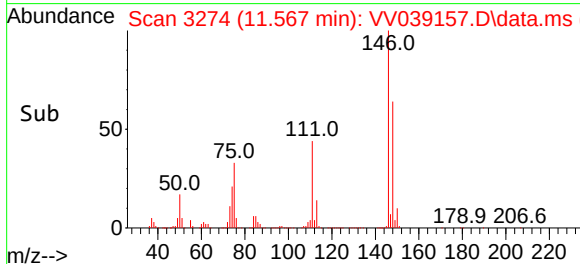
Instrument :
MSVOA_V
ClientSampleId :
FW7D



Tgt Ion:146 Resp: 1853630
Ion Ratio Lower Upper
146 100
111 44.5 21.5 64.5
148 63.6 31.9 95.7

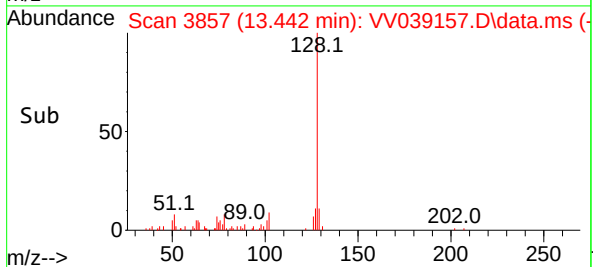
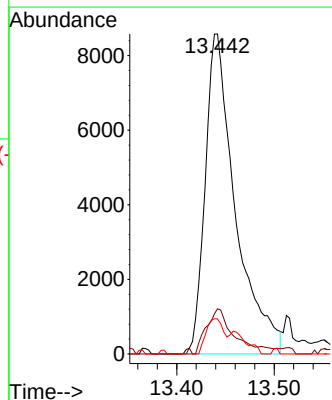
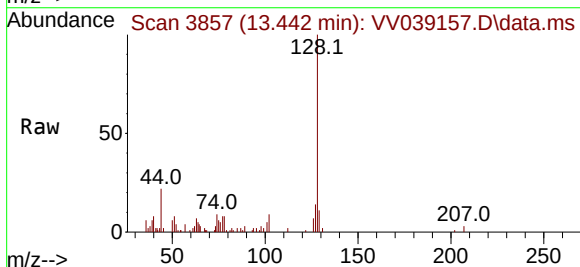
Manual Integrations
APPROVED

Reviewed By :Mahesh Dadoda 09/26/2025
Supervised By :Semsettin Yesilyurt 09/26/2025



#95
Naphthalene
Concen: 0.434 ug/l
RT: 13.442 min Scan# 3857
Delta R.T. 0.019 min
Lab File: VV039157.D
Acq: 24 Sep 2025 17:00

Tgt Ion:128 Resp: 18472
Ion Ratio Lower Upper
128 100
127 13.5 10.3 15.5
129 6.4 8.6 13.0#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039157.D
Acq On : 24 Sep 2025 17:00
Operator : SY/MD
Sample : Q3172-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW7D

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_V\Method\82V092225W.M

Title : SW846 8260

Signal : TIC: VV039157.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.815	844	863	928	rBV	26145489	71531155	11.94%	8.175%
2	5.834	1469	1491	1542	rBV3	87255524	197058586	32.90%	22.520%
3	8.863	2396	2433	2453	rBV9	122305586	598886321	100.00%	68.441%
4	11.564	3261	3273	3301	rBV	4898790	7563596	1.26%	0.864%

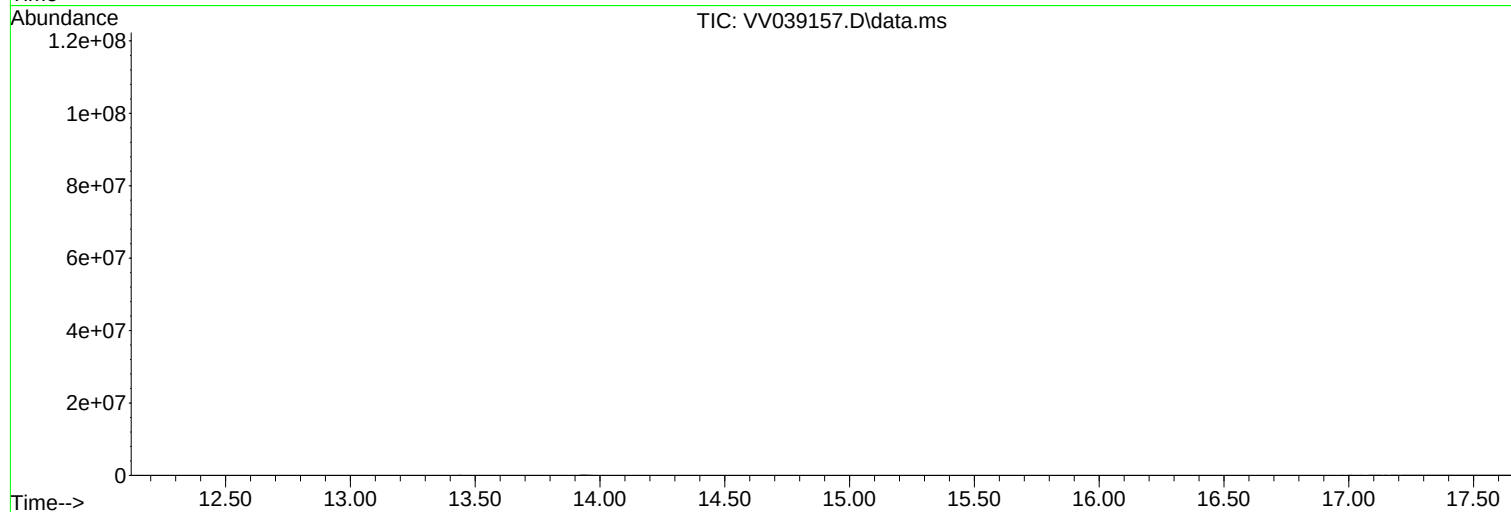
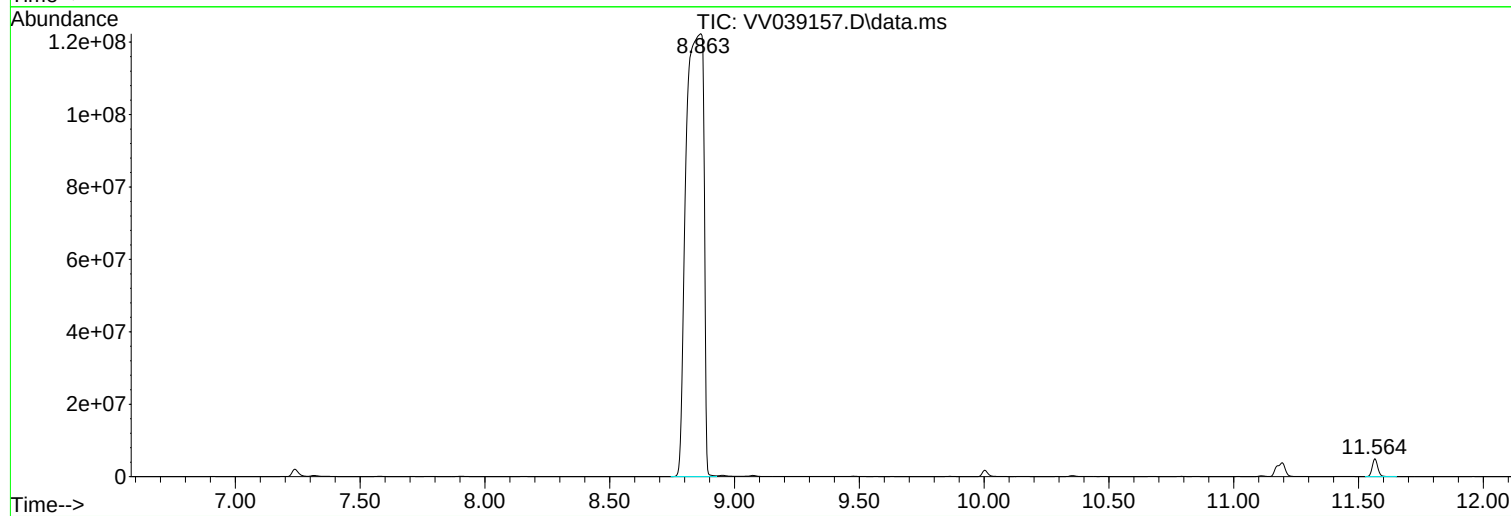
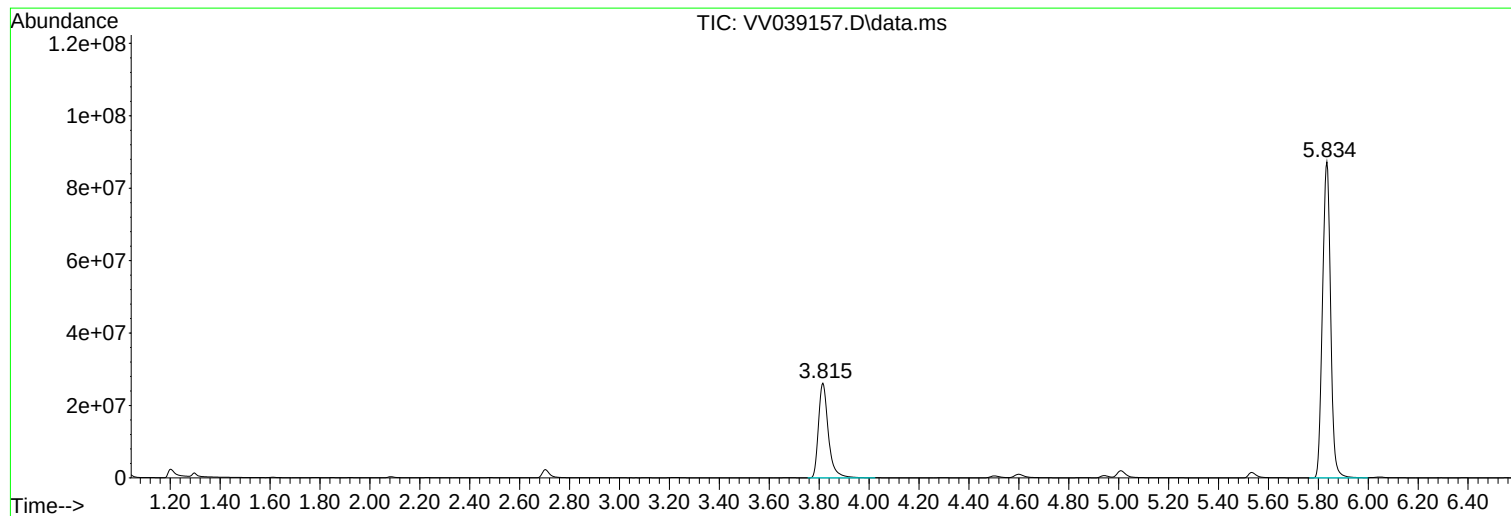
Sum of corrected areas: 875039658

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039157.D
Acq On : 24 Sep 2025 17:00
Operator : SY/MD
Sample : Q3172-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039157.D
Acq On : 24 Sep 2025 17:00
Operator : SY/MD
Sample : Q3172-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
Data File : VV039157.D
Acq On : 24 Sep 2025 17:00
Operator : SY/MD
Sample : Q3172-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW7D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

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

A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039182.D
 Acq On : 25 Sep 2025 15:33
 Operator : SY/MD
 Sample : Q3172-01DL 100X
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW7DDL

Quant Time: Sep 26 01:30:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

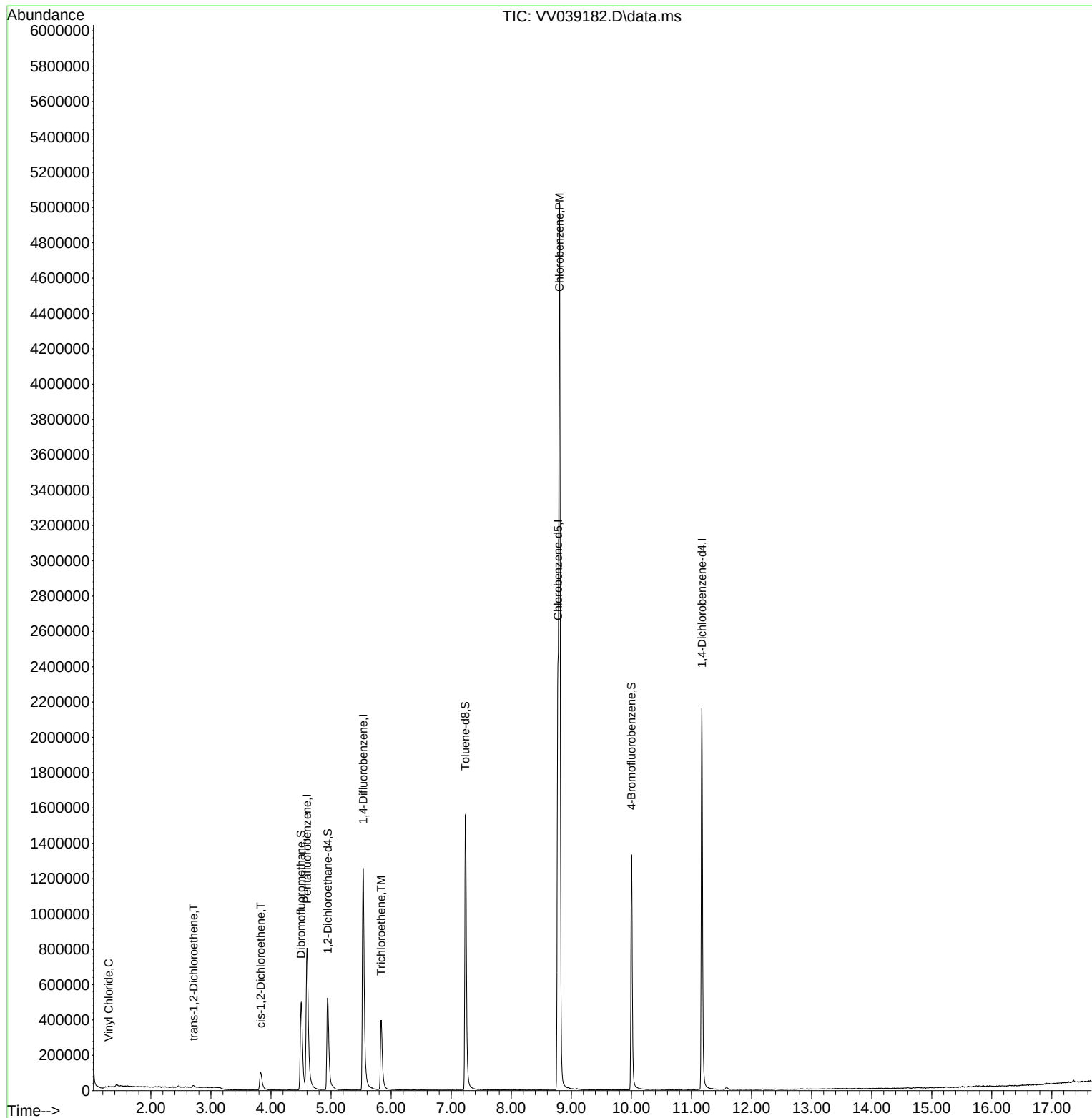
Internal Standards						
1) Pentafluorobenzene	4.600	168	686688	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1217519	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1189450	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	556145	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	468975	47.188	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	94.380%
35) Dibromofluoromethane	4.503	113	418030	42.709	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	85.420%
50) Toluene-d8	7.236	98	1147282	39.909	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	79.820%#
62) 4-Bromofluorobenzene	10.001	95	465413	39.327	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	78.660%#
Target Compounds						
					Qvalue	
4) Vinyl Chloride	1.297	62	3724	0.298	ug/l	89
21) trans-1,2-Dichloroethene	2.712	96	4306	0.391	ug/l	85
27) cis-1,2-Dichloroethene	3.828	96	66779	5.493	ug/l	89
44) Trichloroethene	5.834	130	163013	14.660	ug/l	93
65) Chlorobenzene	8.802	112	2711601	81.844	ug/l	98

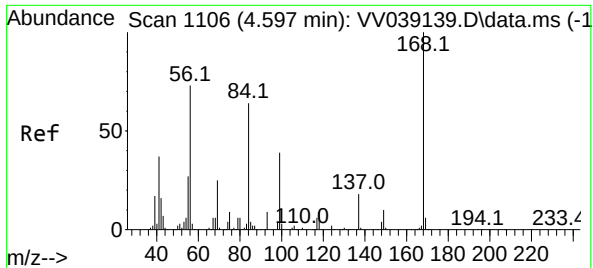
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039182.D
Acq On : 25 Sep 2025 15:33
Operator : SY/MD
Sample : Q3172-01DL 100X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW7DDL

Quant Time: Sep 26 01:30:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

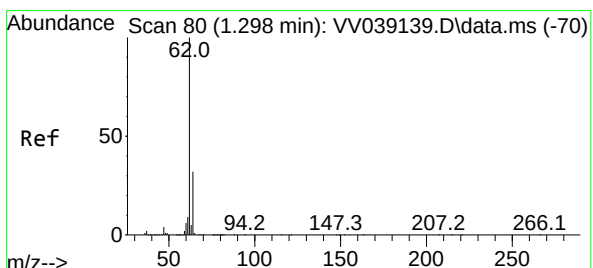
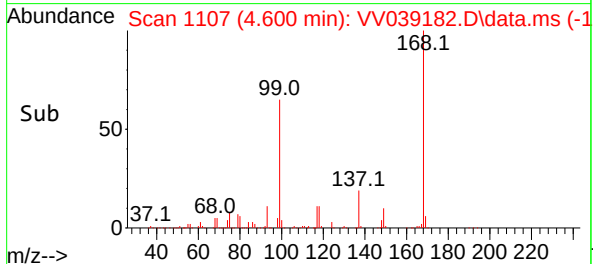
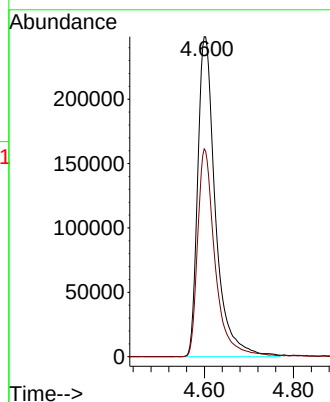
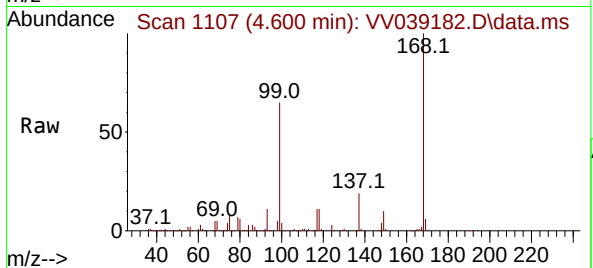




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039182.D
Acq: 25 Sep 2025 15:33

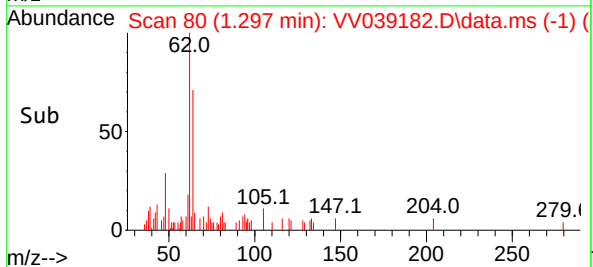
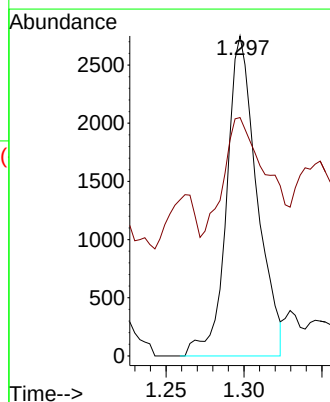
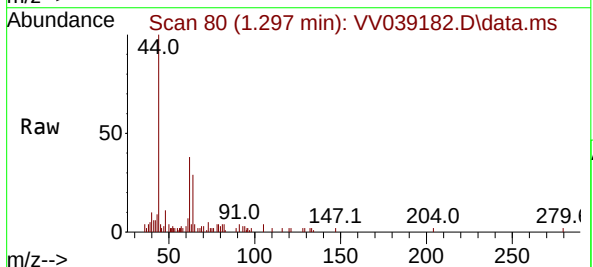
Instrument :
MSVOA_V
ClientSampleId :
FW7DDL

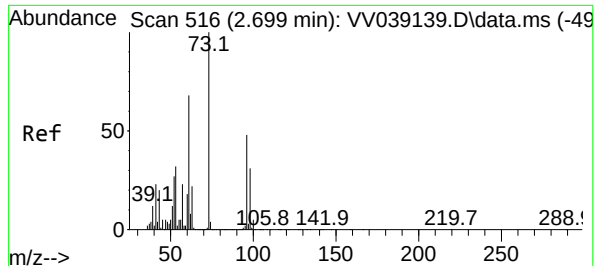
Tgt Ion:168 Resp: 686688
Ion Ratio Lower Upper
168 100
99 64.9 49.6 74.4



#4
Vinyl Chloride
Concen: 0.298 ug/l
RT: 1.297 min Scan# 80
Delta R.T. -0.000 min
Lab File: VV039182.D
Acq: 25 Sep 2025 15:33

Tgt Ion: 62 Resp: 3724
Ion Ratio Lower Upper
62 100
64 25.8 25.6 38.4





#21

trans-1,2-Dichloroethene

Concen: 0.391 ug/l

RT: 2.712 min Scan# 516

Delta R.T. 0.013 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

FW7DDL

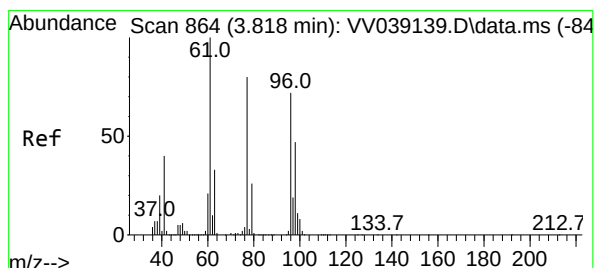
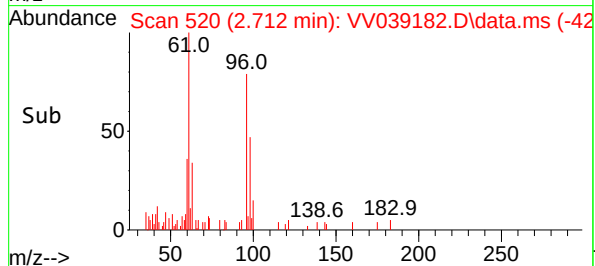
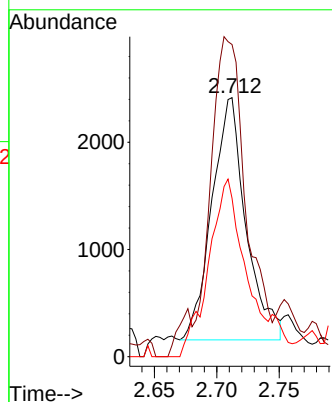
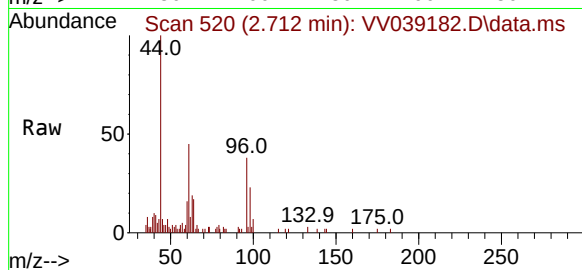
Tgt Ion: 96 Resp: 4306

Ion Ratio Lower Upper

96 100

61 115.9 112.8 169.2

98 65.3 51.1 76.7



#27

cis-1,2-Dichloroethene

Concen: 5.493 ug/l

RT: 3.828 min Scan# 867

Delta R.T. 0.010 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

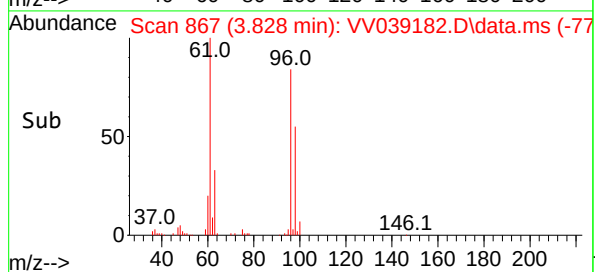
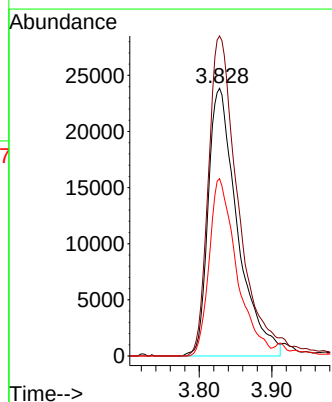
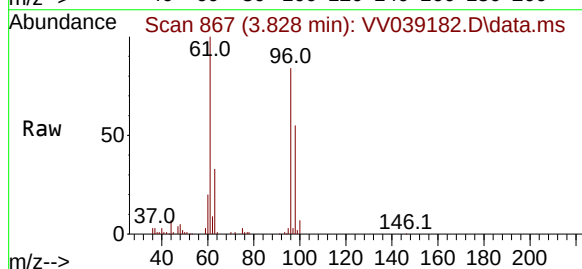
Tgt Ion: 96 Resp: 66779

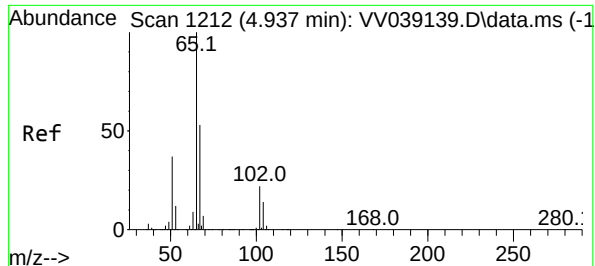
Ion Ratio Lower Upper

96 100

61 124.6 0.0 286.4

98 62.3 0.0 126.6





#33

1,2-Dichloroethane-d4

Concen: 47.188 ug/l

RT: 4.944 min Scan# 11

Delta R.T. 0.006 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

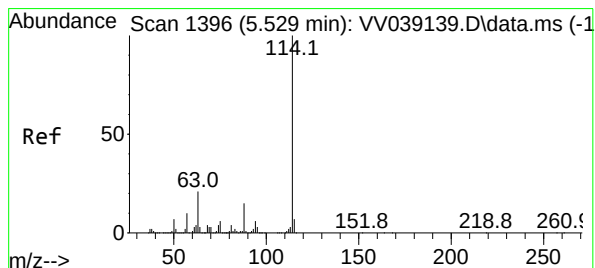
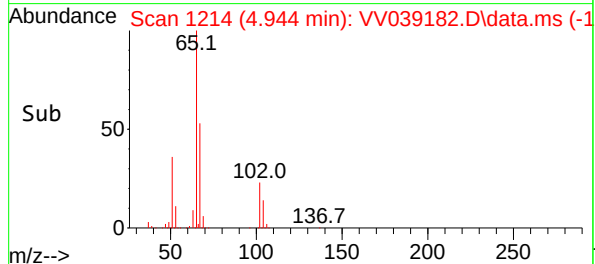
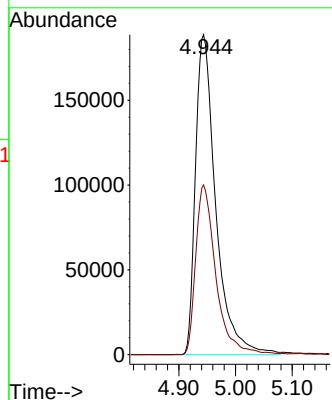
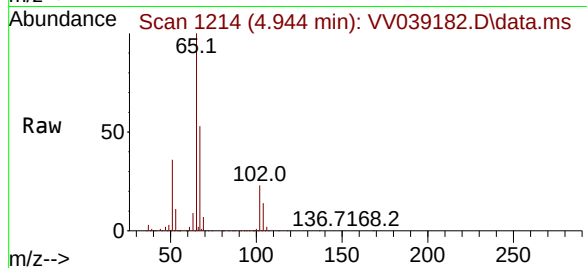
FW7DDL

Tgt Ion: 65 Resp: 468975

Ion Ratio Lower Upper

65 100

67 52.6 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

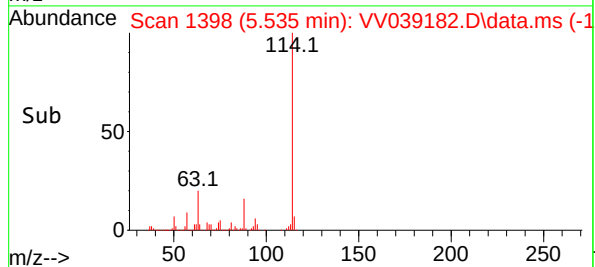
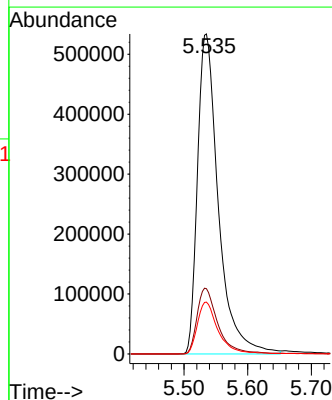
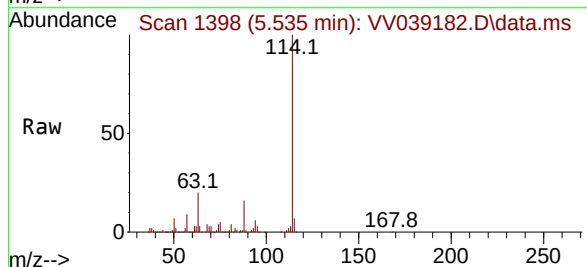
Tgt Ion: 114 Resp: 1217519

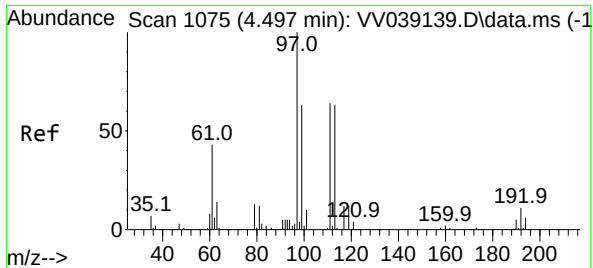
Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 16.2 0.0 30.8





#35

Dibromofluoromethane

Concen: 42.709 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

FW7DDL

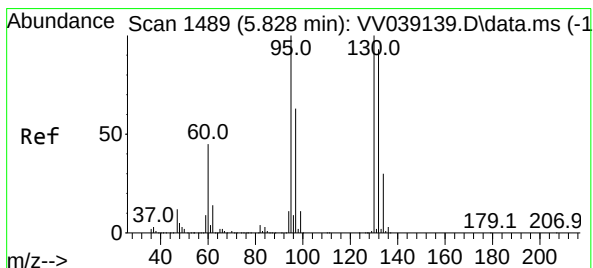
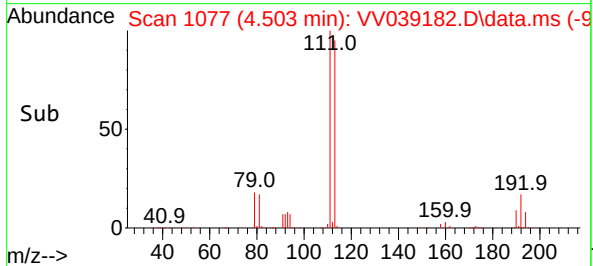
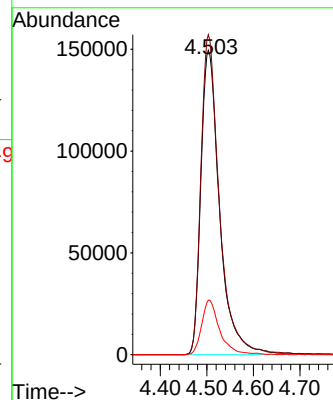
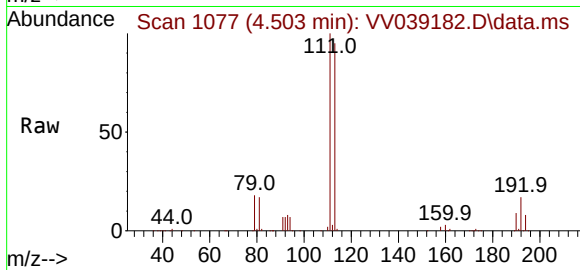
Tgt Ion:113 Resp: 418030

Ion Ratio Lower Upper

113 100

111 103.8 82.4 123.6

192 17.1 13.8 20.8



#44

Trichloroethene

Concen: 14.660 ug/l

RT: 5.834 min Scan# 1491

Delta R.T. 0.006 min

Lab File: VV039182.D

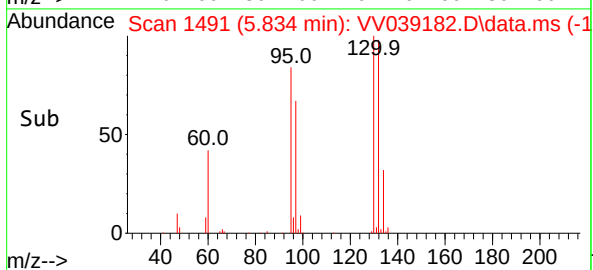
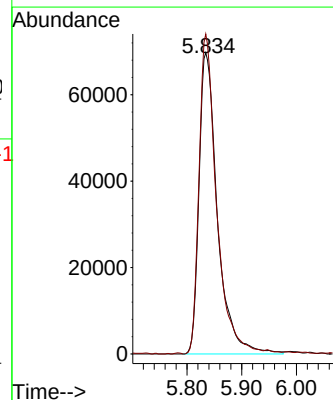
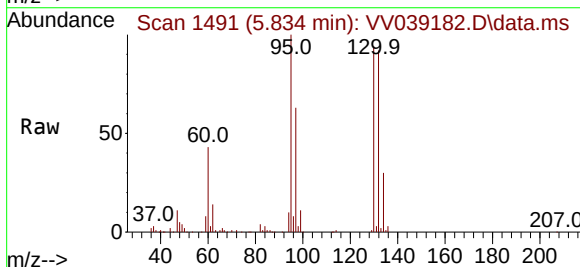
Acq: 25 Sep 2025 15:33

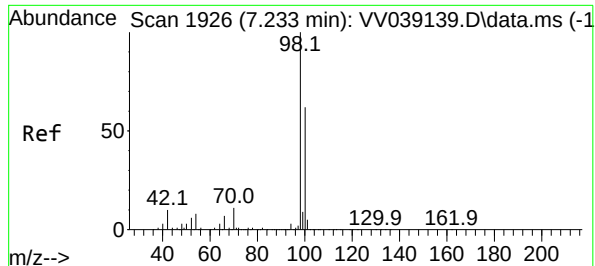
Tgt Ion:130 Resp: 163013

Ion Ratio Lower Upper

130 100

95 106.2 0.0 199.2





#50

Toluene-d8

Concen: 39.909 ug/l

RT: 7.236 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

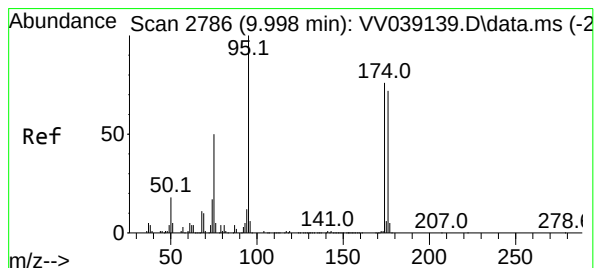
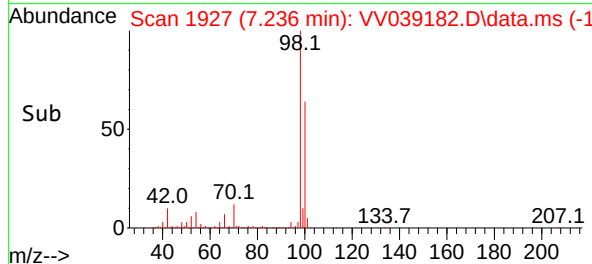
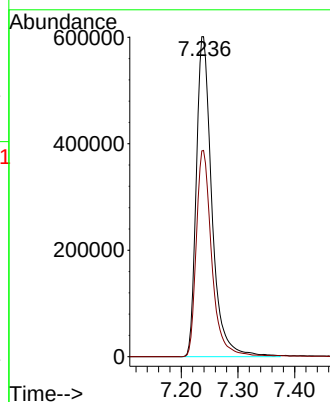
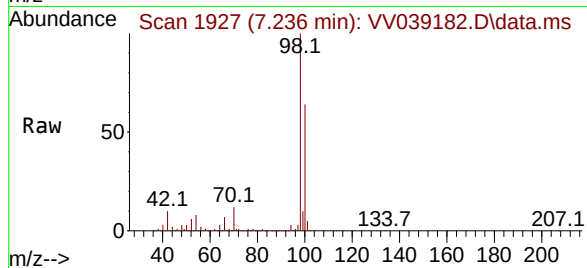
FW7DDL

Tgt Ion: 98 Resp: 1147282

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 39.327 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

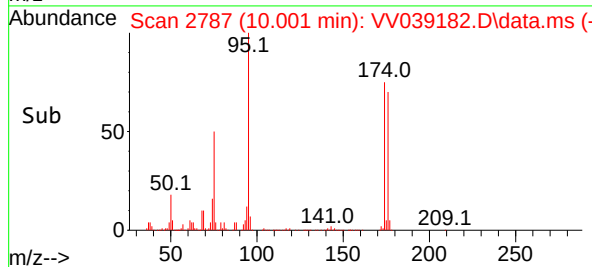
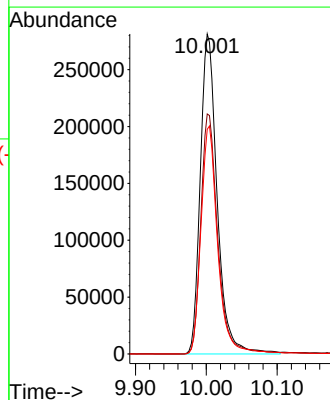
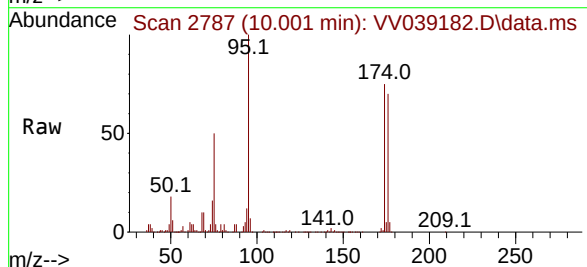
Tgt Ion: 95 Resp: 465413

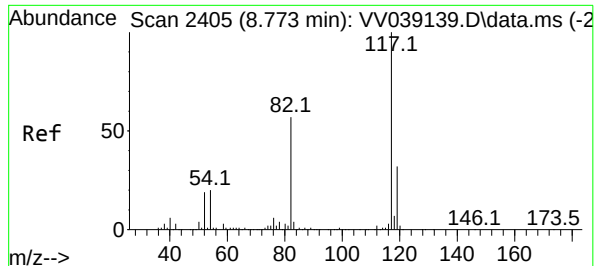
Ion Ratio Lower Upper

95 100

174 75.6 0.0 150.4

176 70.5 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039182.D

Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

FW7DDL

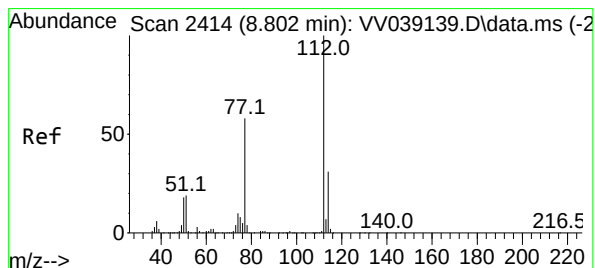
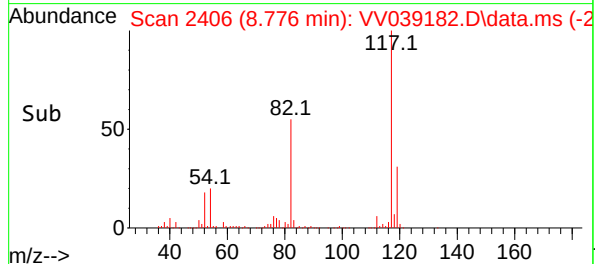
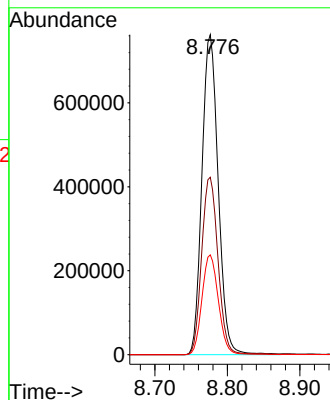
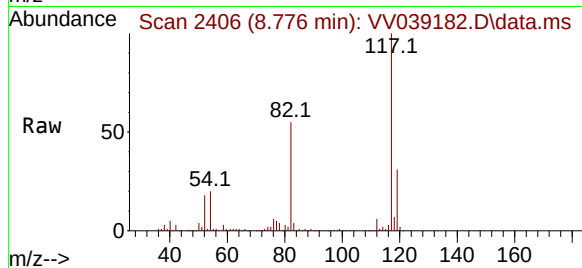
Tgt Ion:117 Resp: 1189450

Ion Ratio Lower Upper

117 100

82 55.4 45.4 68.2

119 31.2 25.6 38.4



#65

Chlorobenzene

Concen: 81.844 ug/l

RT: 8.802 min Scan# 2414

Delta R.T. -0.000 min

Lab File: VV039182.D

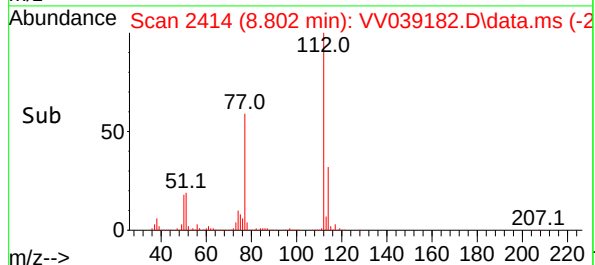
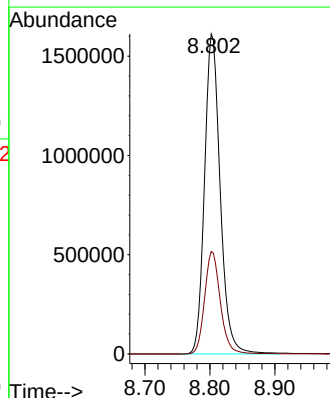
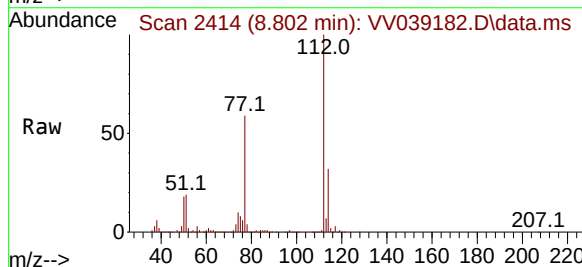
Acq: 25 Sep 2025 15:33

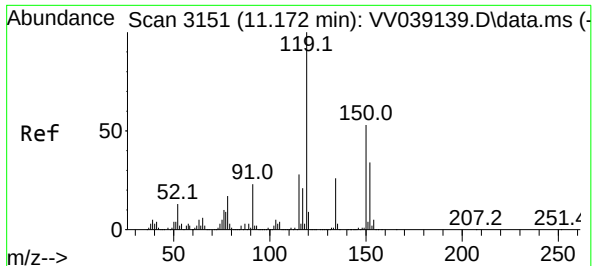
Tgt Ion:112 Resp: 2711601

Ion Ratio Lower Upper

112 100

114 32.0 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039182.D

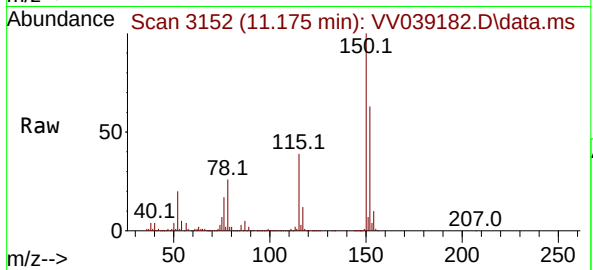
Acq: 25 Sep 2025 15:33

Instrument :

MSVOA_V

ClientSampleId :

FW7DDL



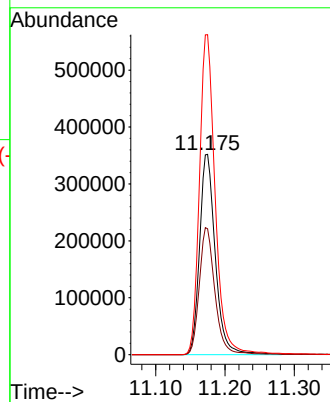
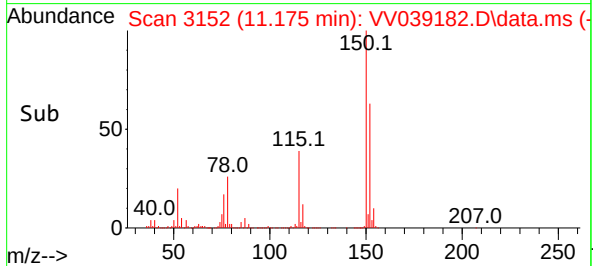
Tgt Ion:152 Resp: 556145

Ion Ratio Lower Upper

152 100

115 62.8 44.8 134.4

150 159.7 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039158.D
 Acq On : 24 Sep 2025 17:22
 Operator : SY/MD
 Sample : Q3172-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW6D

Quant Time: Sep 25 08:19:58 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	463506	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	853323	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	809313	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	359745	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	368800	54.977	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 109.960%	
35) Dibromofluoromethane	4.503	113	296563	43.231	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 86.460%	
50) Toluene-d8	7.236	98	901302	44.734	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 89.460%	
62) 4-Bromofluorobenzene	10.001	95	349650	42.155	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 84.320%#	

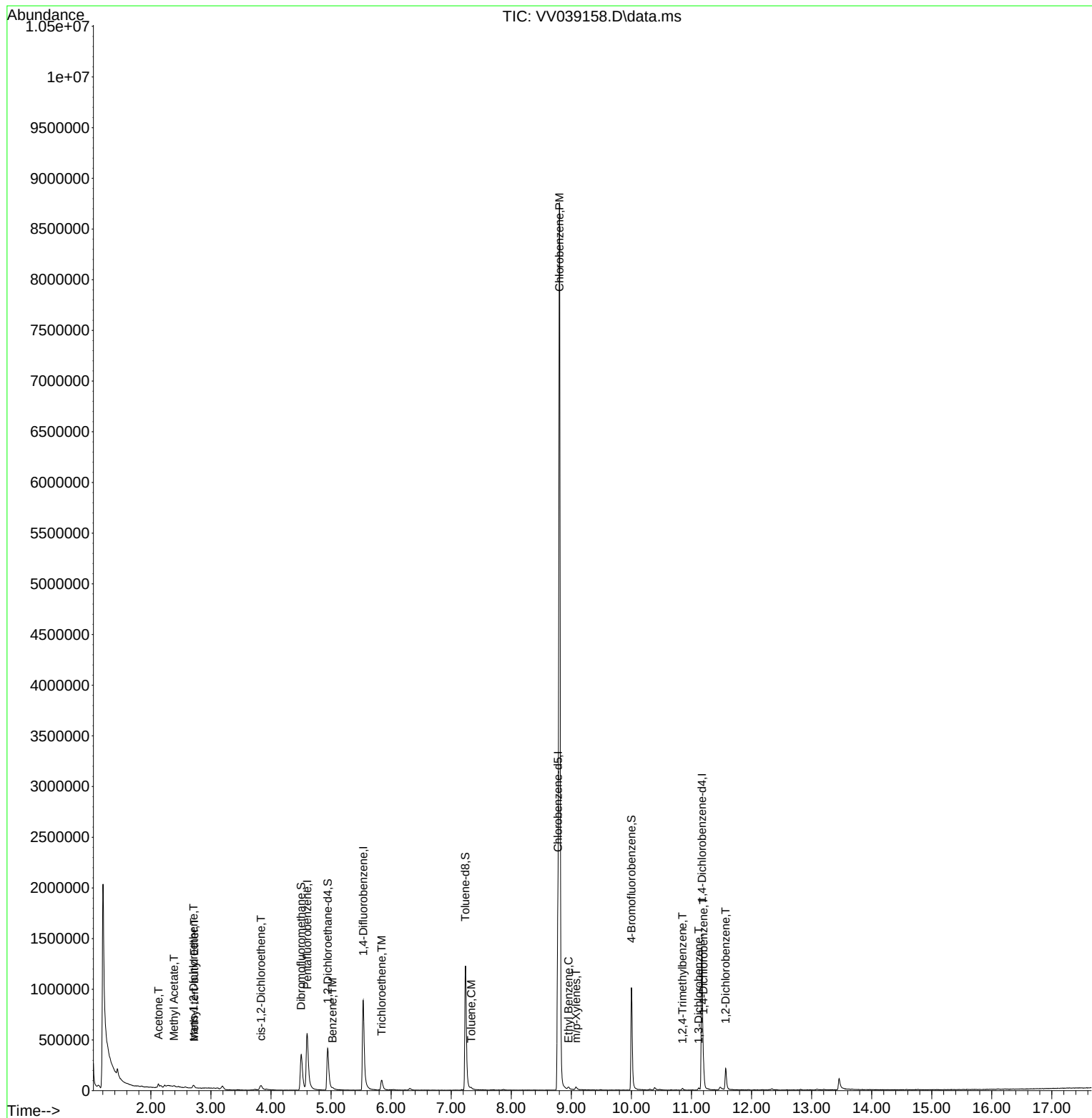
Target Compounds						Qvalue
16) Acetone	2.127	43	44393	5.862	ug/l	97
18) Methyl Acetate	2.384	43	11727	1.180	ug/l #	89
19) Methyl tert-butyl Ether	2.722	73	9069	0.407	ug/l	95
21) trans-1,2-Dichloroethene	2.709	96	9864	1.326	ug/l	99
27) cis-1,2-Dichloroethene	3.835	96	21585	2.631	ug/l	91
40) Benzene	5.024	78	15483	0.458	ug/l	98
44) Trichloroethene	5.844	130	41729	5.354	ug/l	93
52) Toluene	7.333	92	9747	0.498	ug/l	97
65) Chlorobenzene	8.802	112	4564932	202.500	ug/l	97
67) Ethyl Benzene	8.953	91	16758	0.491	ug/l	96
68) m/p-Xylenes	9.082	106	10142	0.770	ug/l	89
84) 1,2,4-Trimethylbenzene	10.850	105	10972	0.521	ug/l	94
87) 1,3-Dichlorobenzene	11.120	146	7410	0.541	ug/l	95
88) 1,4-Dichlorobenzene	11.201	146	91622	6.096	ug/l	98
91) 1,2-Dichlorobenzene	11.571	146	84138	6.573	ug/l	98

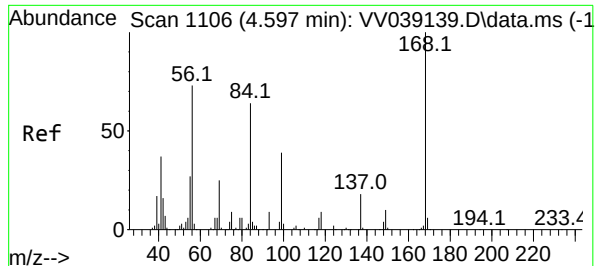
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039158.D
Acq On : 24 Sep 2025 17:22
Operator : SY/MD
Sample : Q3172-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6D

Quant Time: Sep 25 08:19:58 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

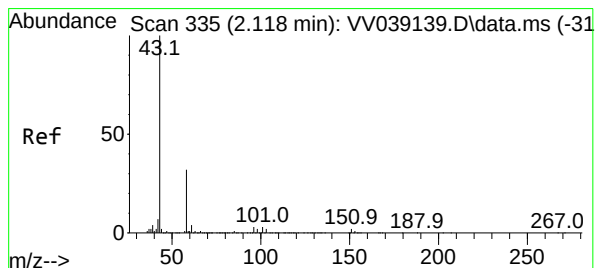
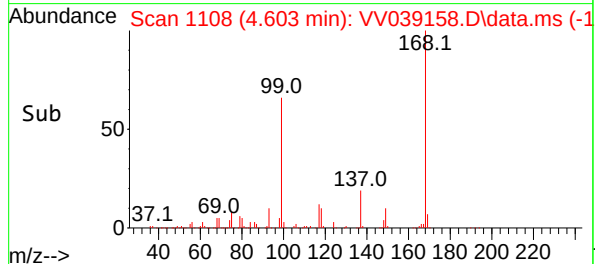
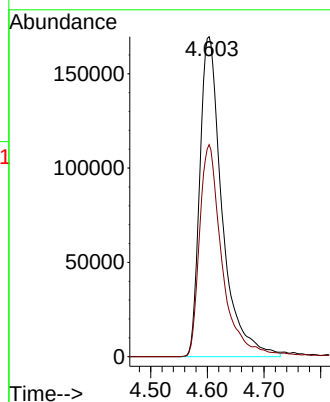
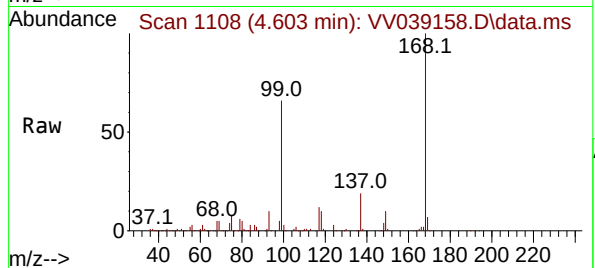




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

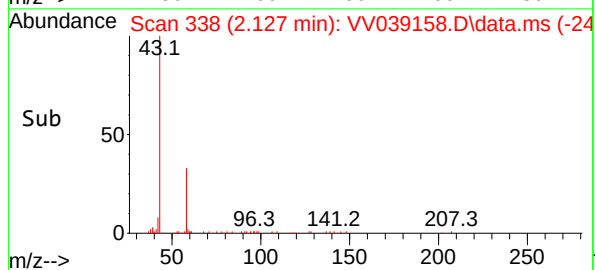
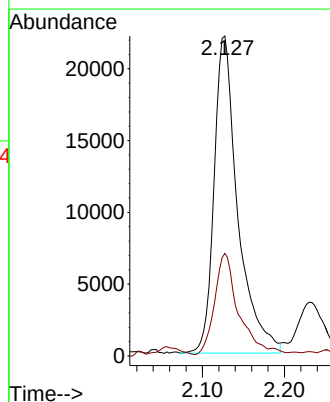
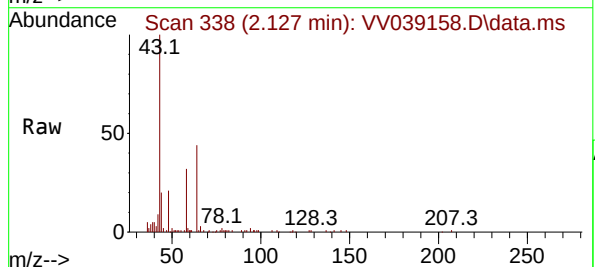
Instrument :
MSVOA_V
ClientSampleId :
FW6D

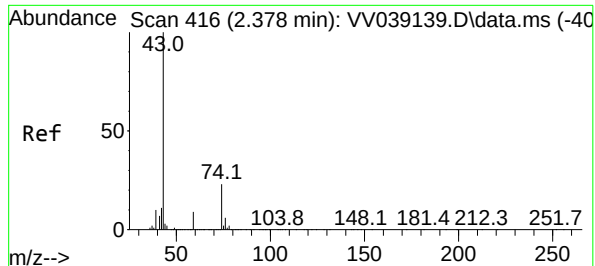
Tgt Ion:168 Resp: 463506
Ion Ratio Lower Upper
168 100
99 66.3 49.6 74.4



#16
Acetone
Concen: 5.862 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion: 43 Resp: 44393
Ion Ratio Lower Upper
43 100
58 30.7 25.8 38.6





#18

Methyl Acetate

Concen: 1.180 ug/l

RT: 2.384 min Scan# 41

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

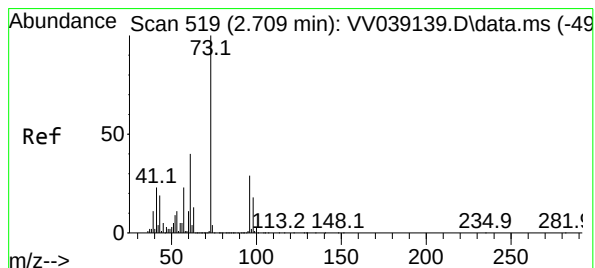
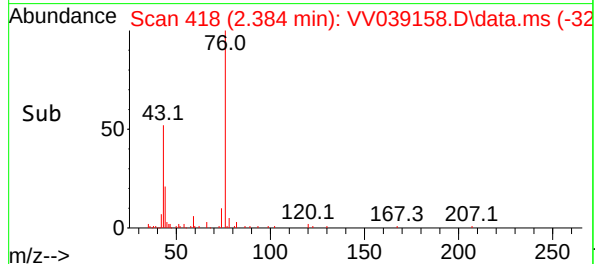
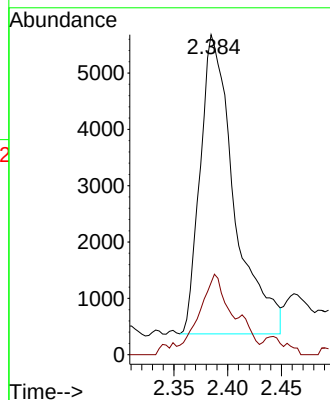
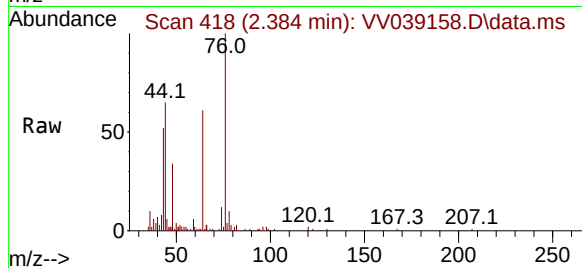
FW6D

Tgt Ion: 43 Resp: 11727

Ion Ratio Lower Upper

43 100

74 18.0 18.6 27.8#



#19

Methyl tert-butyl Ether

Concen: 0.407 ug/l

RT: 2.722 min Scan# 523

Delta R.T. 0.013 min

Lab File: VV039158.D

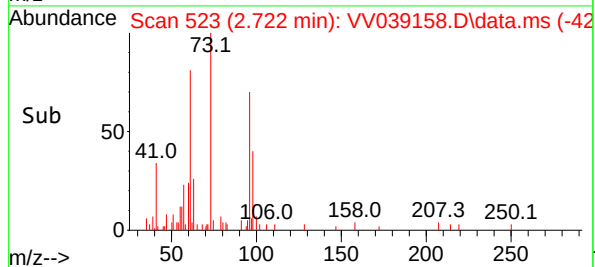
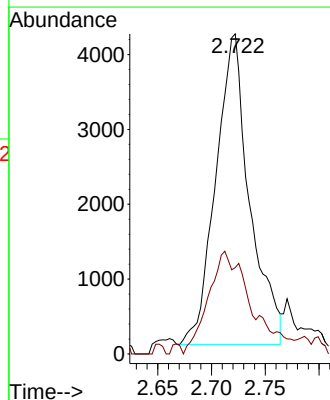
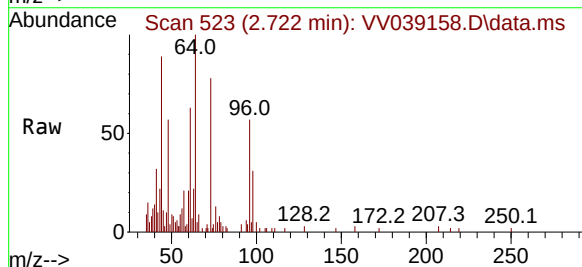
Acq: 24 Sep 2025 17:22

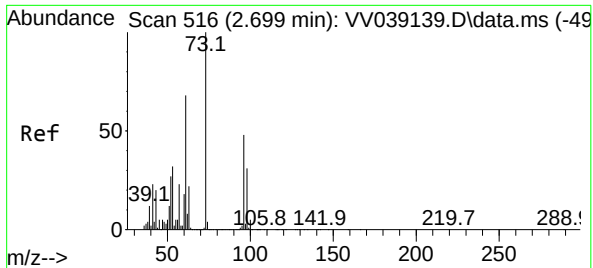
Tgt Ion: 73 Resp: 9069

Ion Ratio Lower Upper

73 100

57 25.2 18.2 27.4

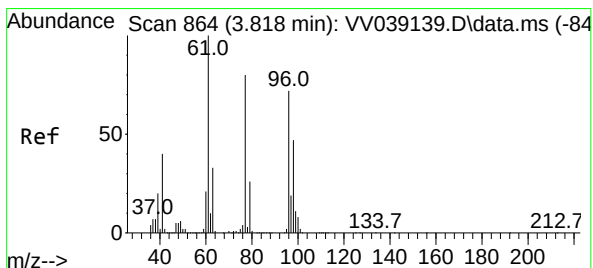
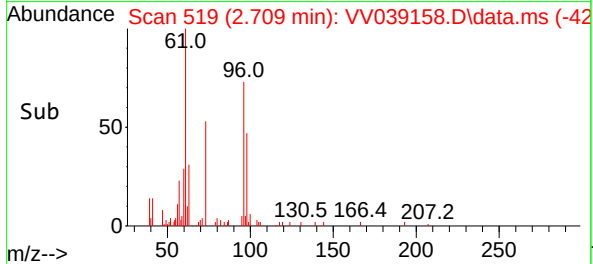
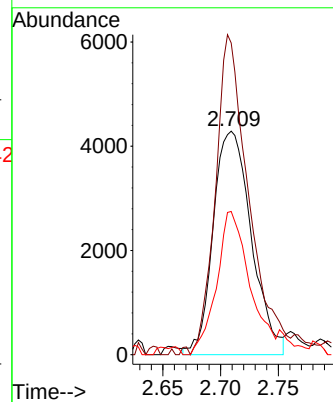
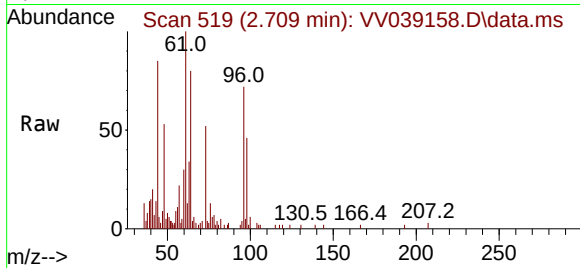




#21
trans-1,2-Dichloroethene
Concen: 1.326 ug/l
RT: 2.709 min Scan# 516
Delta R.T. 0.010 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

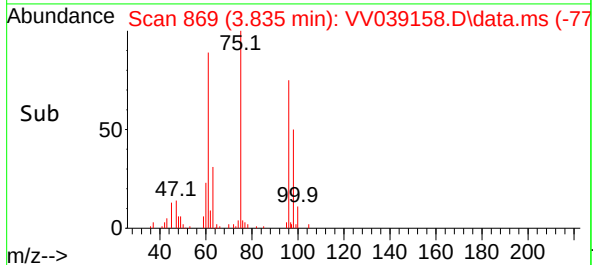
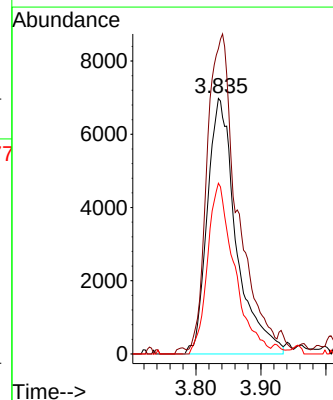
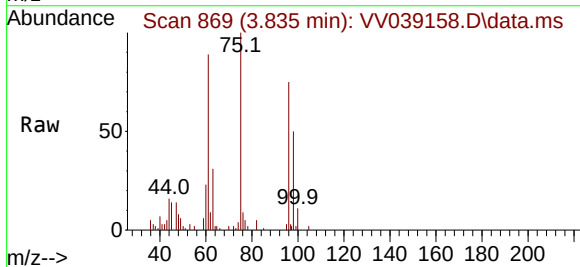
Instrument :
MSVOA_V
ClientSampleId :
FW6D

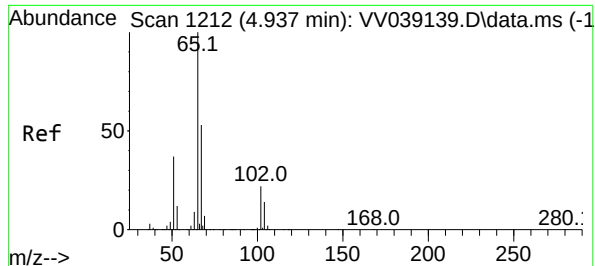
Tgt Ion	Ratio	Lower	Upper
96	100		
61	140.1	112.8	169.2
98	65.9	51.1	76.7



#27
cis-1,2-Dichloroethene
Concen: 2.631 ug/l
RT: 3.835 min Scan# 869
Delta R.T. 0.016 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion	Ratio	Lower	Upper
96	100		
61	127.5	0.0	286.4
98	62.1	0.0	126.6





#33

1,2-Dichloroethane-d4

Concen: 54.977 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

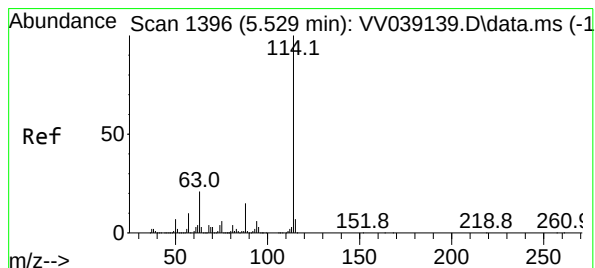
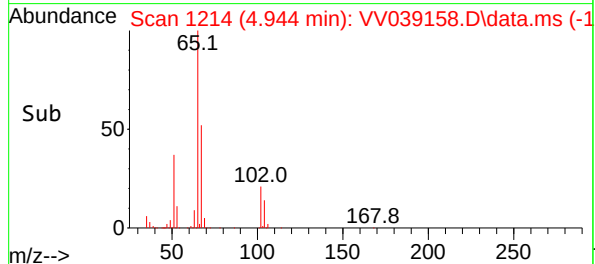
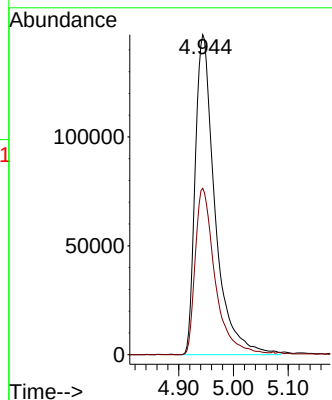
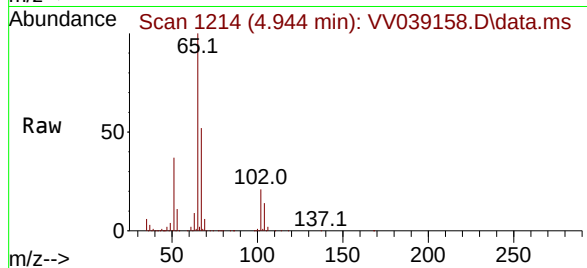
FW6D

Tgt Ion: 65 Resp: 368800

Ion Ratio Lower Upper

65 100

67 52.4 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

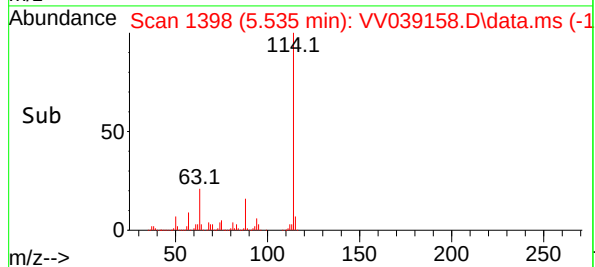
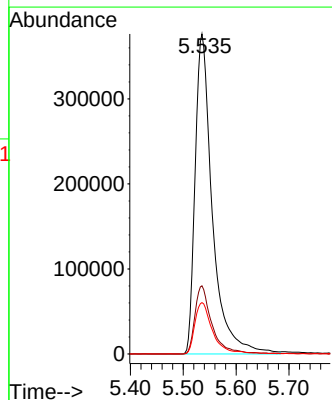
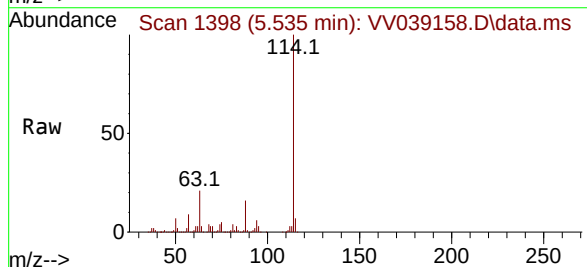
Tgt Ion: 114 Resp: 853323

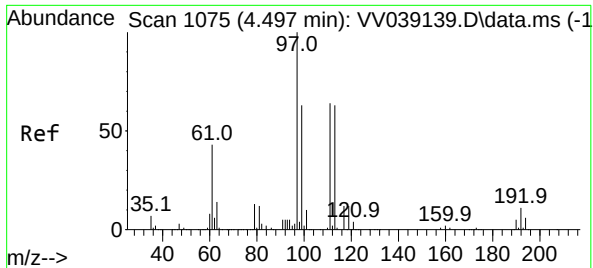
Ion Ratio Lower Upper

114 100

63 21.3 0.0 42.6

88 16.1 0.0 30.8





#35

Dibromofluoromethane

Concen: 43.231 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

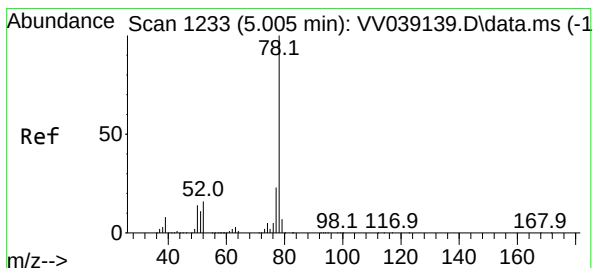
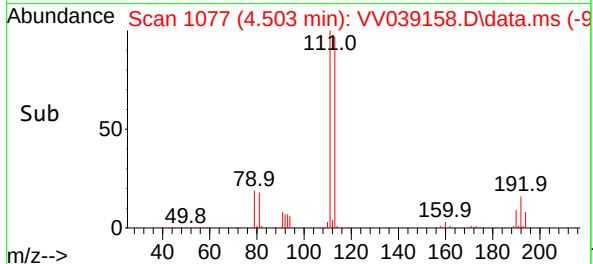
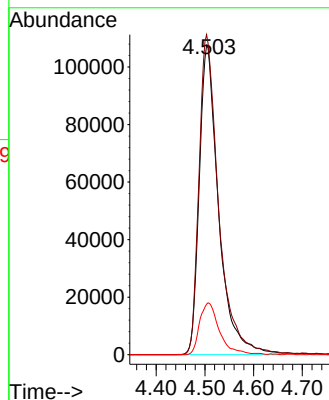
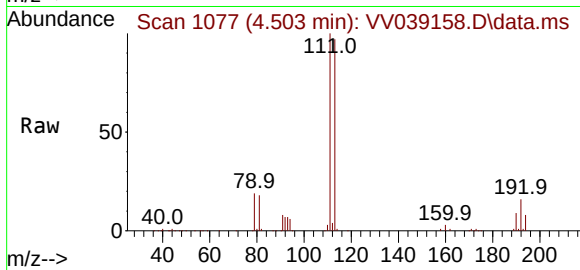
Tgt Ion:113 Resp: 296563

Ion Ratio Lower Upper

113 100

111 105.1 82.4 123.6

192 17.1 13.8 20.8



#40

Benzene

Concen: 0.458 ug/l

RT: 5.024 min Scan# 1239

Delta R.T. 0.019 min

Lab File: VV039158.D

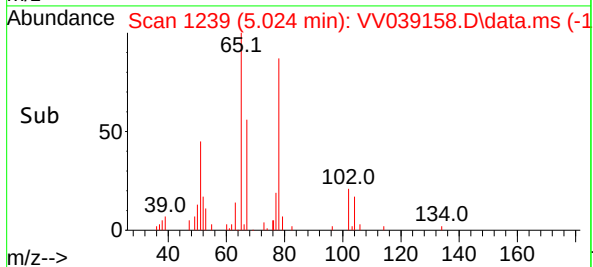
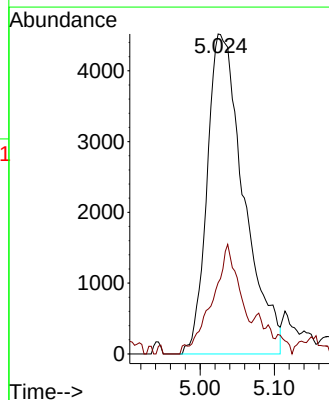
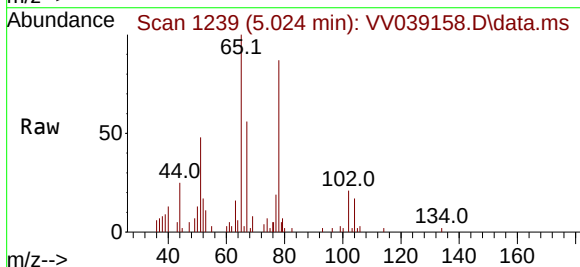
Acq: 24 Sep 2025 17:22

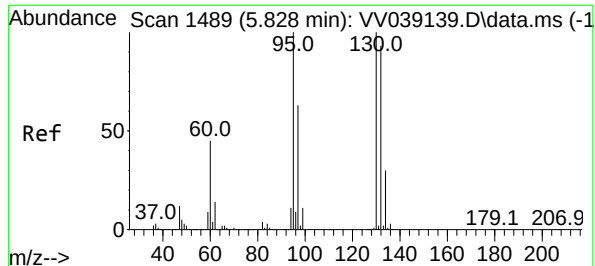
Tgt Ion: 78 Resp: 15483

Ion Ratio Lower Upper

78 100

77 22.2 18.7 28.1





#44

Trichloroethene

Concen: 5.354 ug/l

RT: 5.844 min Scan# 1489

Delta R.T. 0.016 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

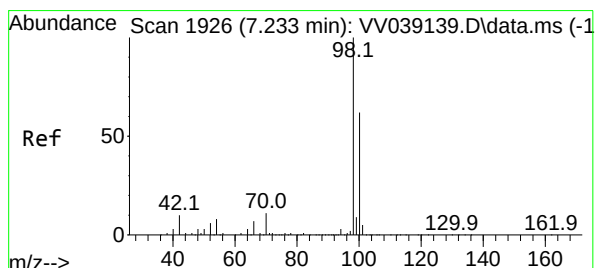
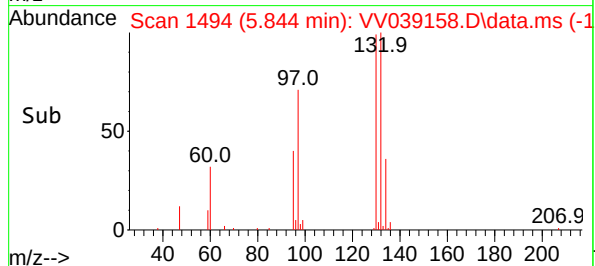
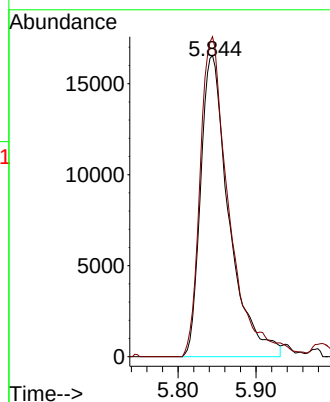
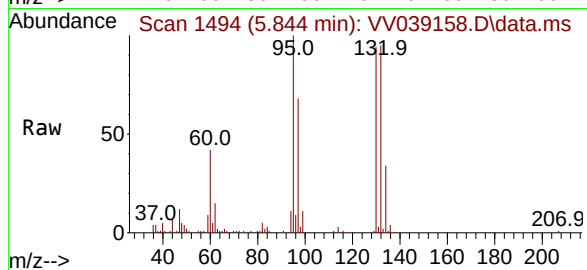
FW6D

Tgt Ion:130 Resp: 41729

Ion Ratio Lower Upper

130 100

95 106.3 0.0 199.2



#50

Toluene-d8

Concen: 44.734 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.003 min

Lab File: VV039158.D

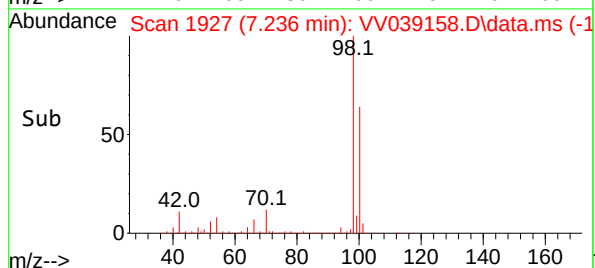
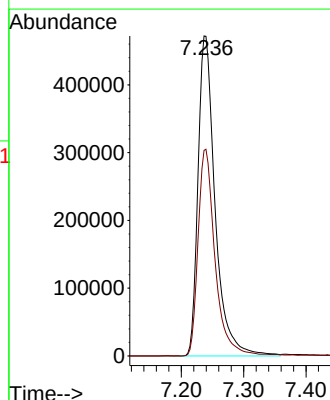
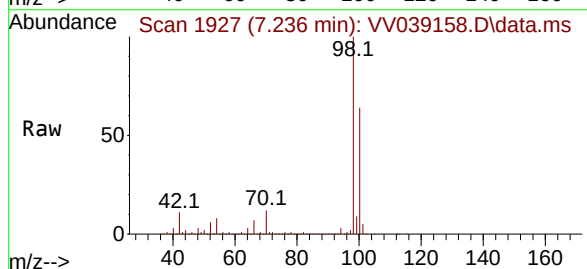
Acq: 24 Sep 2025 17:22

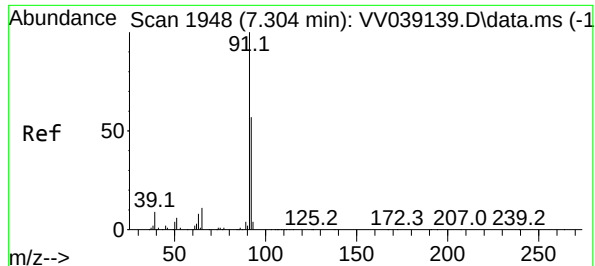
Tgt Ion: 98 Resp: 901302

Ion Ratio Lower Upper

98 100

100 63.7 52.2 78.2





#52

Toluene

Concen: 0.498 ug/l

RT: 7.333 min Scan# 1948

Delta R.T. 0.029 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

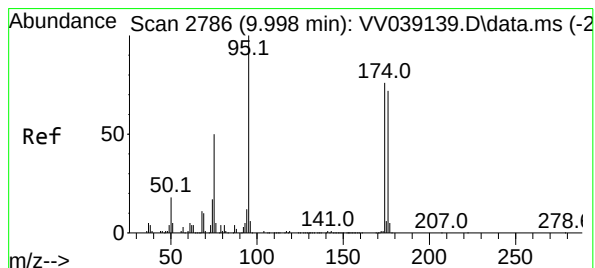
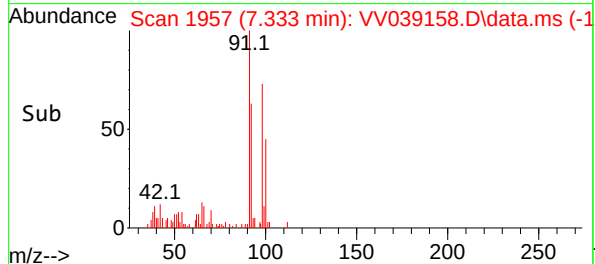
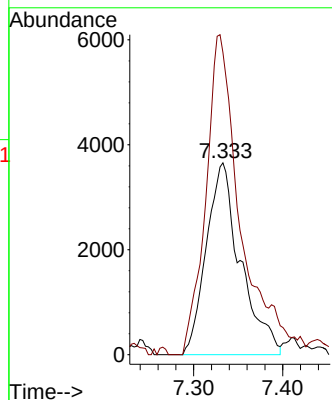
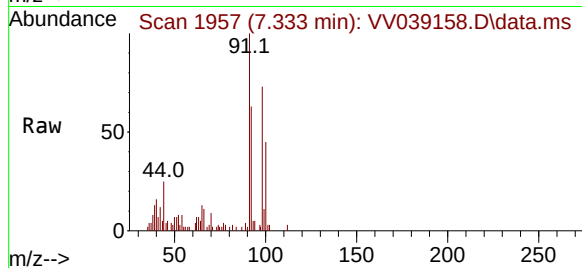
FW6D

Tgt Ion: 92 Resp: 9747

Ion Ratio Lower Upper

92 100

91 169.6 139.2 208.8



#62

4-Bromofluorobenzene

Concen: 42.155 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

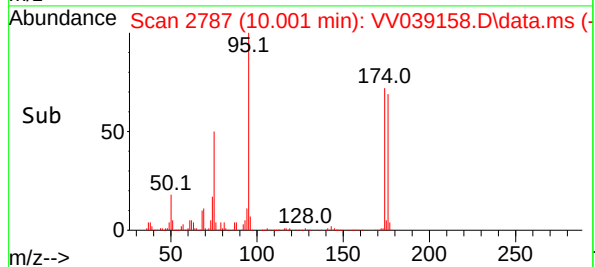
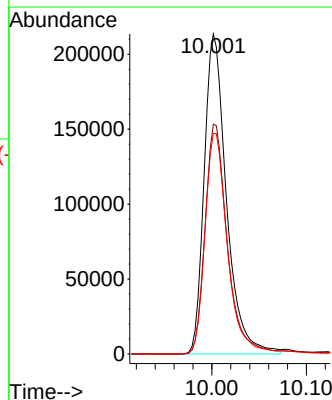
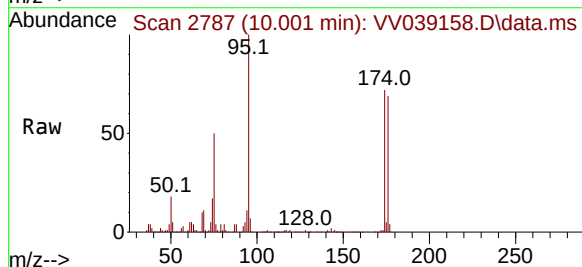
Tgt Ion: 95 Resp: 349650

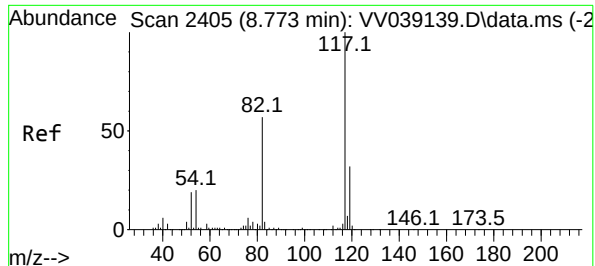
Ion Ratio Lower Upper

95 100

174 71.6 0.0 150.4

176 70.2 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

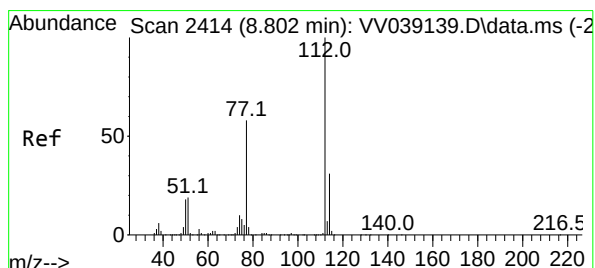
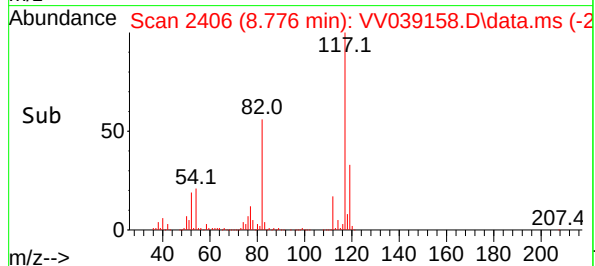
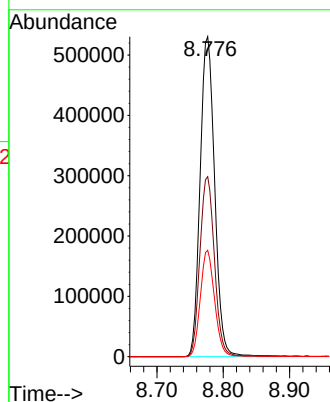
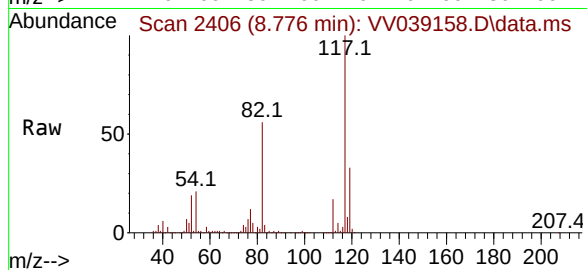
Tgt Ion:117 Resp: 809313

Ion Ratio Lower Upper

117 100

82 56.2 45.4 68.2

119 33.2 25.6 38.4



#65

Chlorobenzene

Concen: 202.500 ug/l

RT: 8.802 min Scan# 2414

Delta R.T. 0.000 min

Lab File: VV039158.D

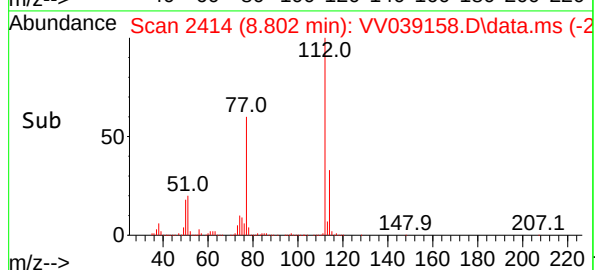
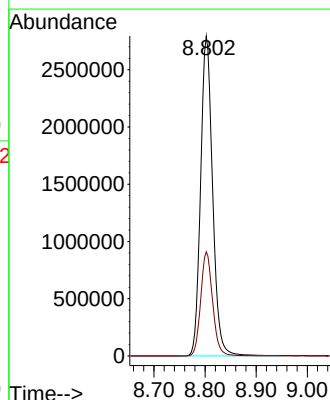
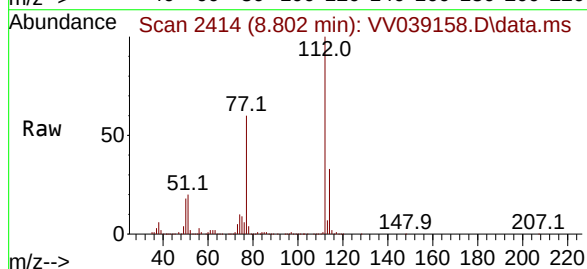
Acq: 24 Sep 2025 17:22

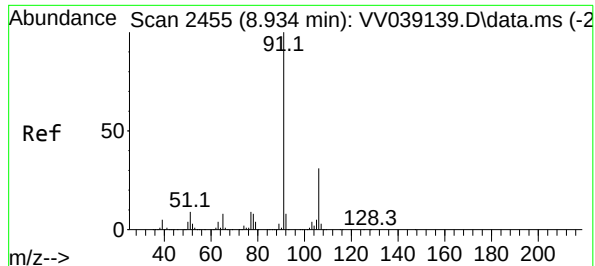
Tgt Ion:112 Resp: 4564932

Ion Ratio Lower Upper

112 100

114 32.6 24.6 37.0





#67

Ethyl Benzene

Concen: 0.491 ug/l

RT: 8.953 min Scan# 2455

Delta R.T. 0.019 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

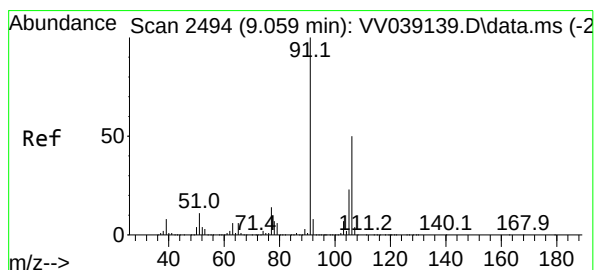
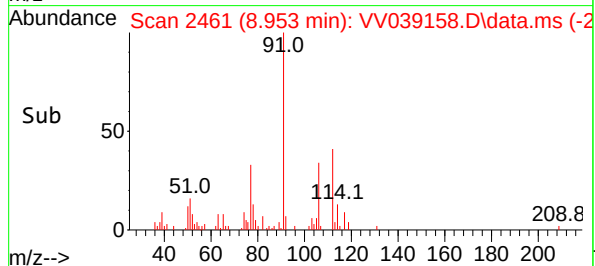
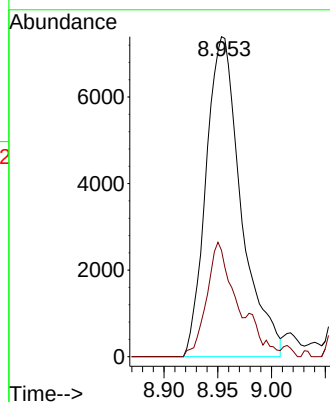
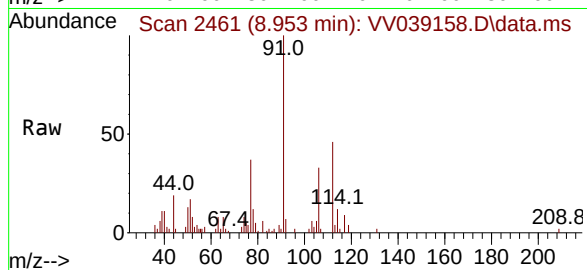
FW6D

Tgt Ion: 91 Resp: 16758

Ion Ratio Lower Upper

91 100

106 33.3 24.6 37.0



#68

m/p-Xylenes

Concen: 0.770 ug/l

RT: 9.082 min Scan# 2501

Delta R.T. 0.023 min

Lab File: VV039158.D

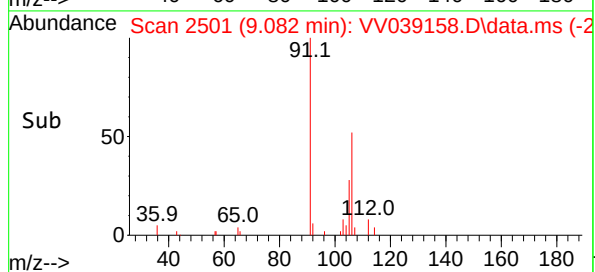
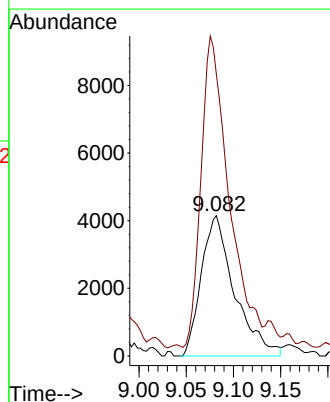
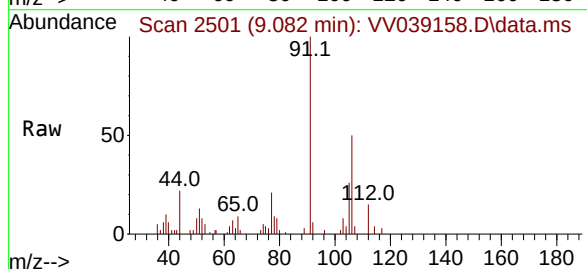
Acq: 24 Sep 2025 17:22

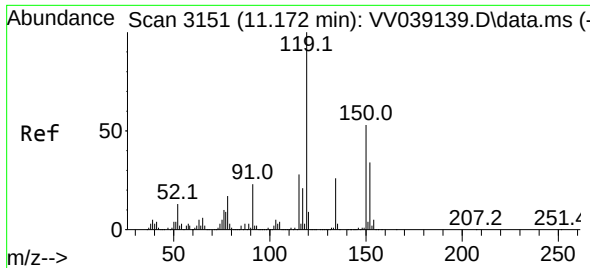
Tgt Ion: 106 Resp: 10142

Ion Ratio Lower Upper

106 100

91 186.5 162.5 243.7

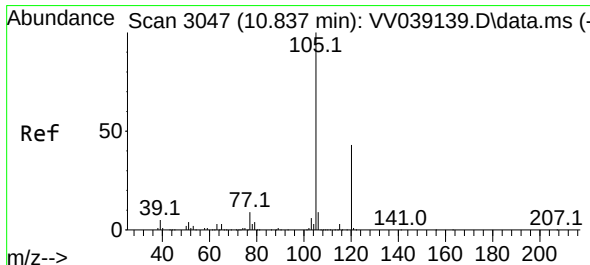
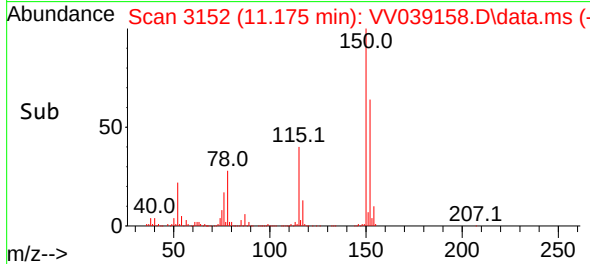
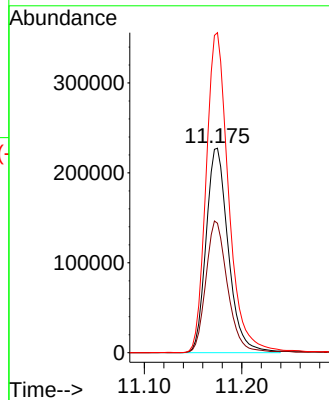
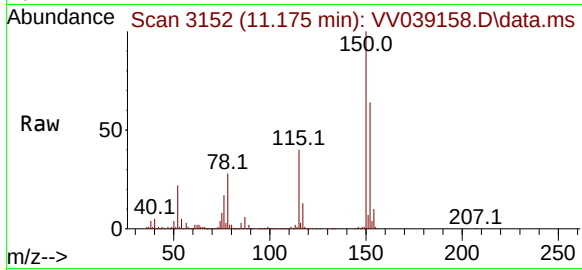




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.175 min Scan# 3151
Delta R.T. 0.003 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

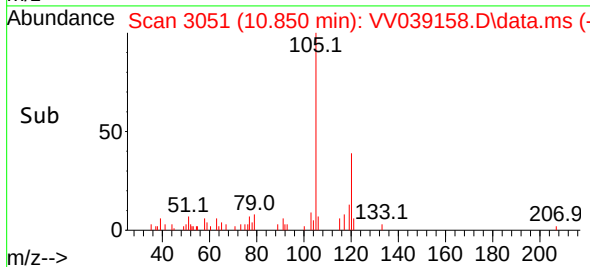
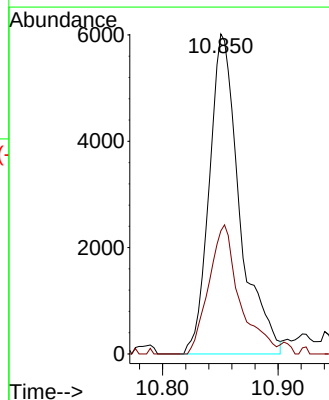
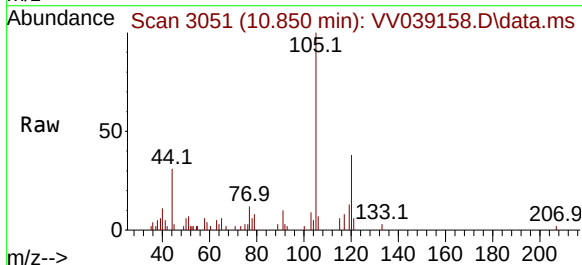
Instrument :
MSVOA_V
ClientSampleId :
FW6D

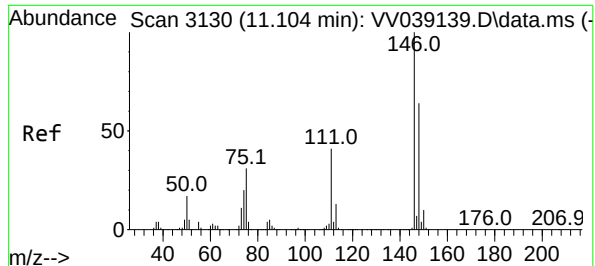
Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.9	44.8	134.4
150	159.3	0.0	353.8



#84
1,2,4-Trimethylbenzene
Concen: 0.521 ug/l
RT: 10.850 min Scan# 3051
Delta R.T. 0.013 min
Lab File: VV039158.D
Acq: 24 Sep 2025 17:22

Tgt Ion	Ratio	Lower	Upper
105	100		
120	40.9	22.4	67.2





#87

1,3-Dichlorobenzene

Concen: 0.541 ug/l

RT: 11.120 min Scan# 3130

Delta R.T. 0.016 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D

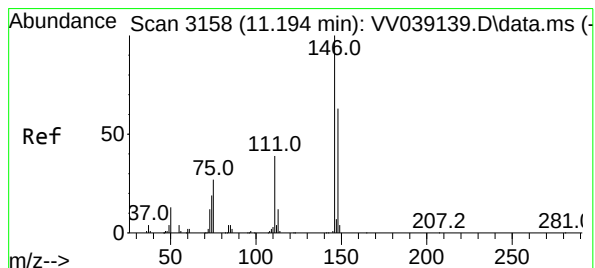
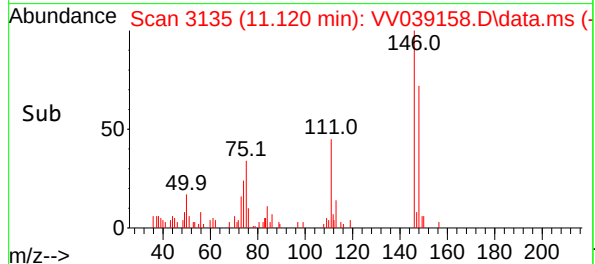
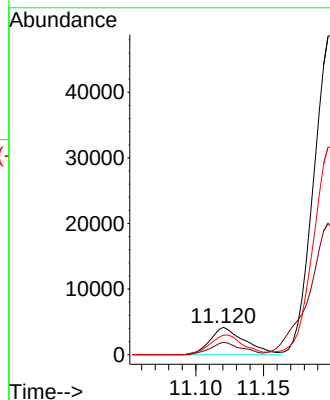
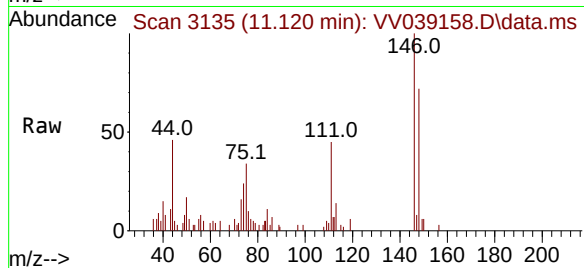
Tgt Ion:146 Resp: 7410

Ion Ratio Lower Upper

146 100

111 40.7 20.9 62.8

148 69.4 31.8 95.3



#88

1,4-Dichlorobenzene

Concen: 6.096 ug/l

RT: 11.201 min Scan# 3160

Delta R.T. 0.006 min

Lab File: VV039158.D

Acq: 24 Sep 2025 17:22

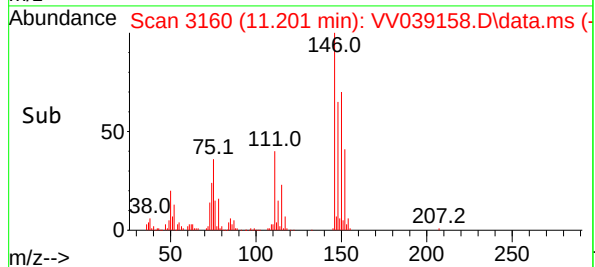
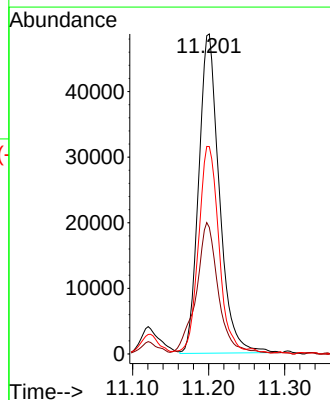
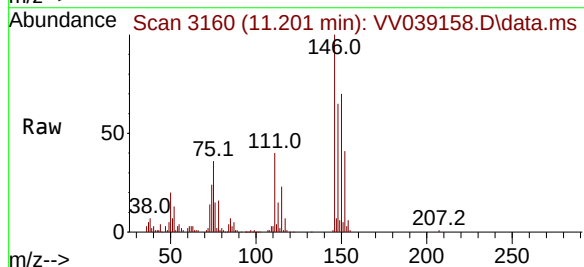
Tgt Ion:146 Resp: 91622

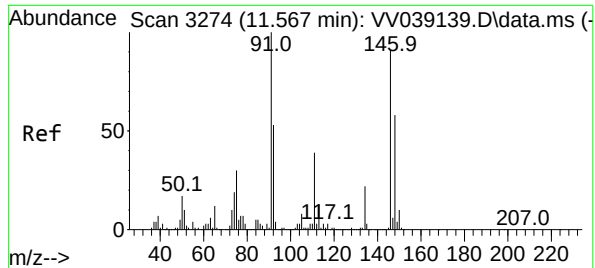
Ion Ratio Lower Upper

146 100

111 43.7 20.3 60.8

148 62.7 31.4 94.2





#91

1,2-Dichlorobenzene

Concen: 6.573 ug/l

RT: 11.571 min Scan# 31

Delta R.T. 0.004 min

Lab File: VV039158.D

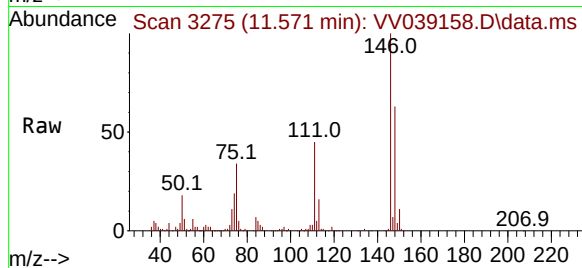
Acq: 24 Sep 2025 17:22

Instrument :

MSVOA_V

ClientSampleId :

FW6D



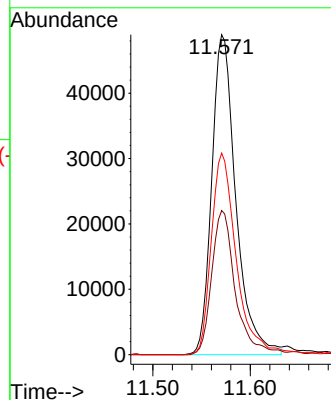
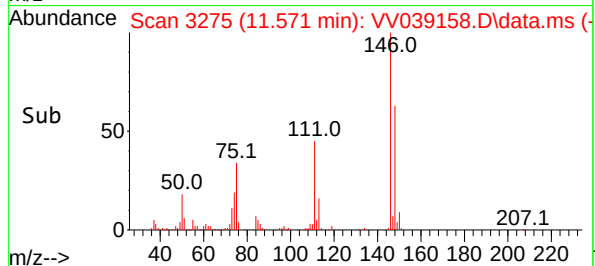
Tgt Ion:146 Resp: 84138

Ion Ratio Lower Upper

146 100

111 44.2 21.5 64.5

148 65.7 31.9 95.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039158.D
 Acq On : 24 Sep 2025 17:22
 Operator : SY/MD
 Sample : Q3172-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FW6D

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_V\Method\82V092225W.M

Title : SW846 8260

Signal : TIC: VV039158.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.204	38	51	120	rBV	2009539	7653109	46.11%	20.565%
2	4.503	1057	1077	1095	rBV3	351680	934671	5.63%	2.512%
3	4.600	1096	1107	1145	rVB2	549795	1503260	9.06%	4.039%
4	4.944	1199	1214	1253	rBV	410611	1047523	6.31%	2.815%
5	5.535	1383	1398	1434	rBV	885627	2048035	12.34%	5.503%
6	5.844	1482	1494	1520	rBV2	95461	239561	1.44%	0.644%
7	7.240	1917	1928	1952	rBV	1222103	2336147	14.08%	6.278%
8	8.802	2395	2414	2451	rBV2	8754175	16597615	100.00%	44.600%
9	10.001	2777	2787	2819	rBV	1011287	1692028	10.19%	4.547%
10	11.175	3142	3152	3178	rBV2	1398149	2539408	15.30%	6.824%
11	11.571	3265	3275	3297	rVB	207220	356881	2.15%	0.959%
12	13.458	3848	3862	3881	rBV4	111880	266197	1.60%	0.715%

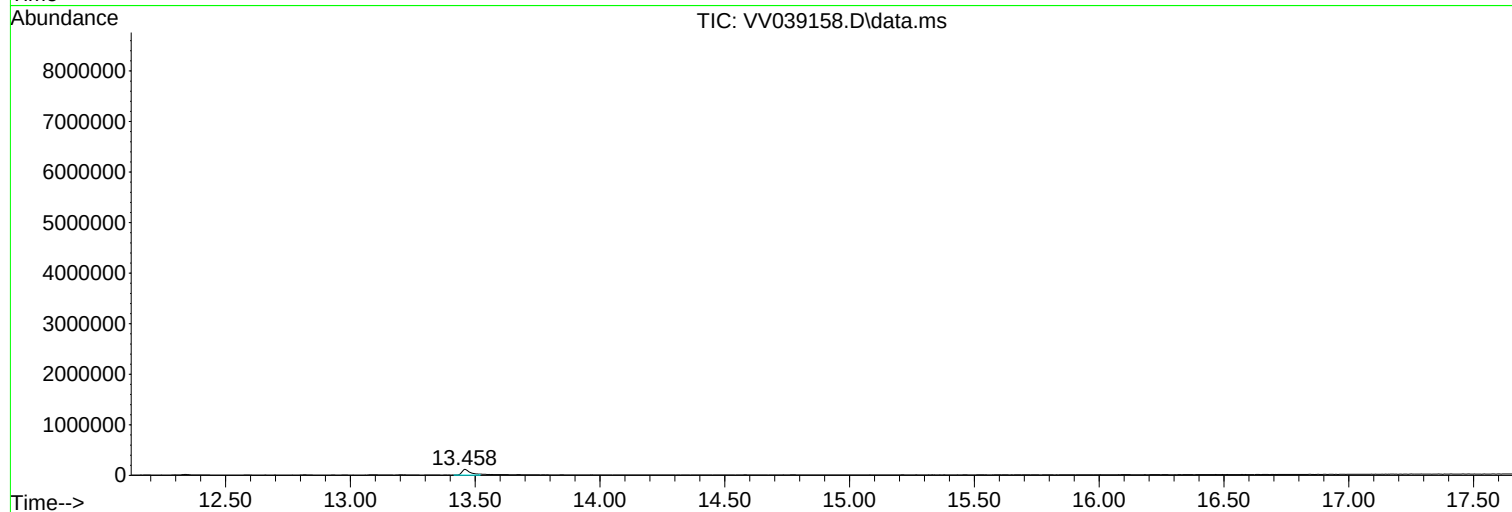
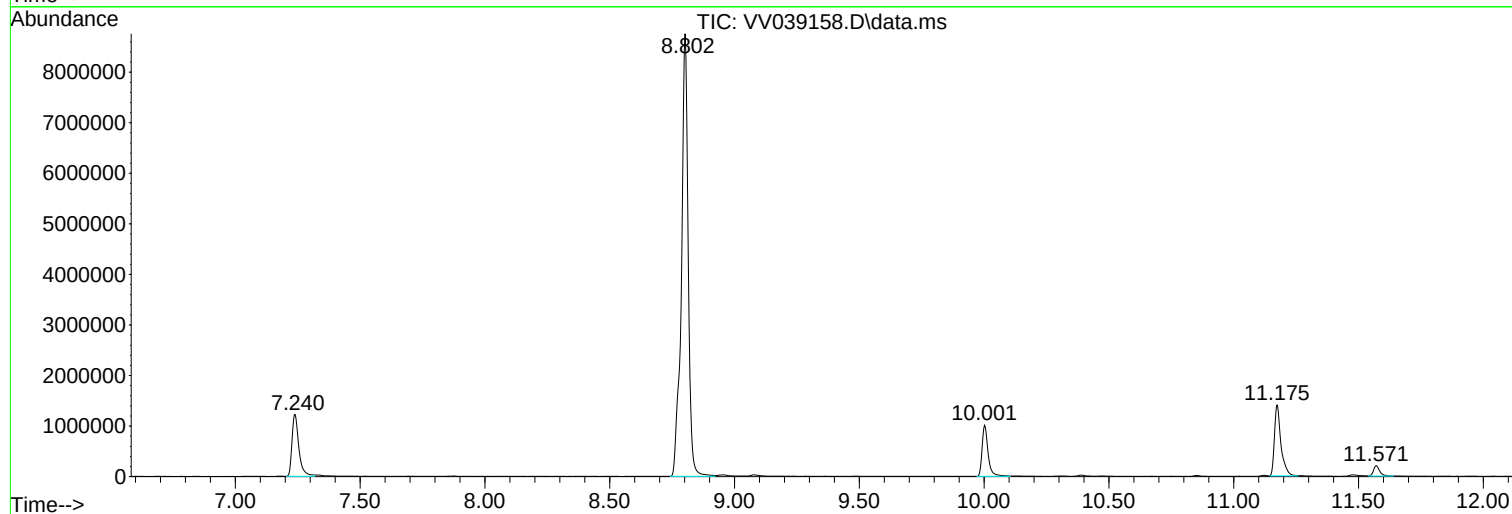
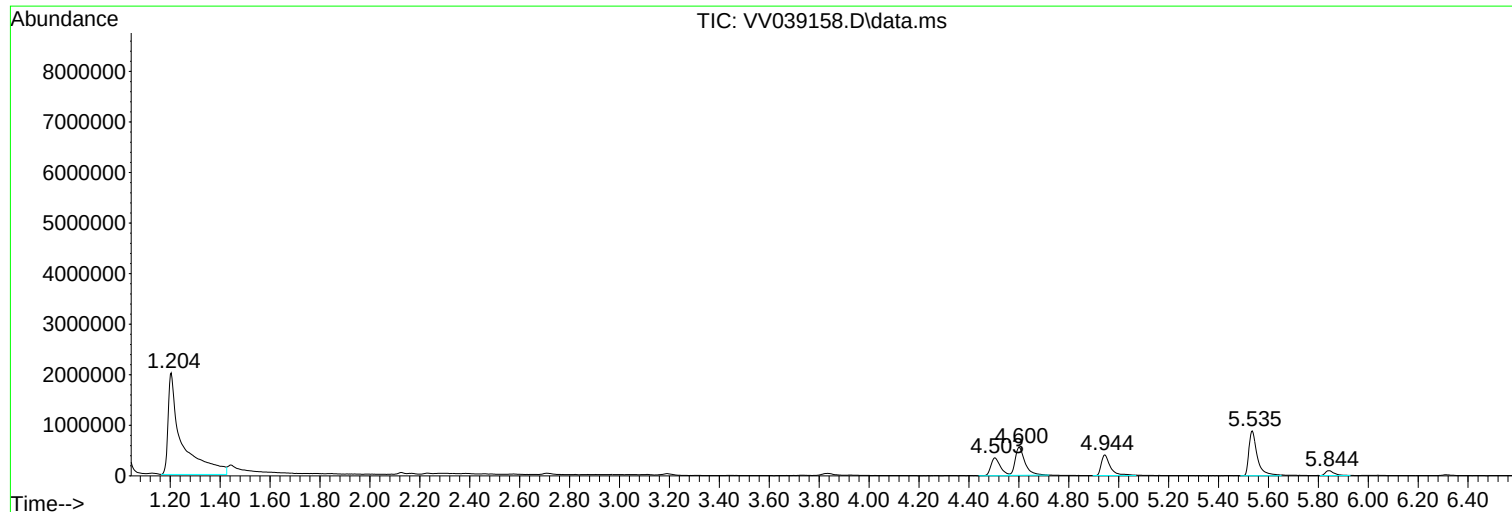
Sum of corrected areas: 37214435

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039158.D
Acq On : 24 Sep 2025 17:22
Operator : SY/MD
Sample : Q3172-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039158.D
Acq On : 24 Sep 2025 17:22
Operator : SY/MD
Sample : Q3172-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6D

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
Data File : VV039158.D
Acq On : 24 Sep 2025 17:22
Operator : SY/MD
Sample : Q3172-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6D

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039180.D
Acq On : 25 Sep 2025 14:48
Operator : SY/MD
Sample : Q3172-02DL 4X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6DDL

A
B
C
D
E
F
G
H
I
J

Quant Time: Sep 26 01:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

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

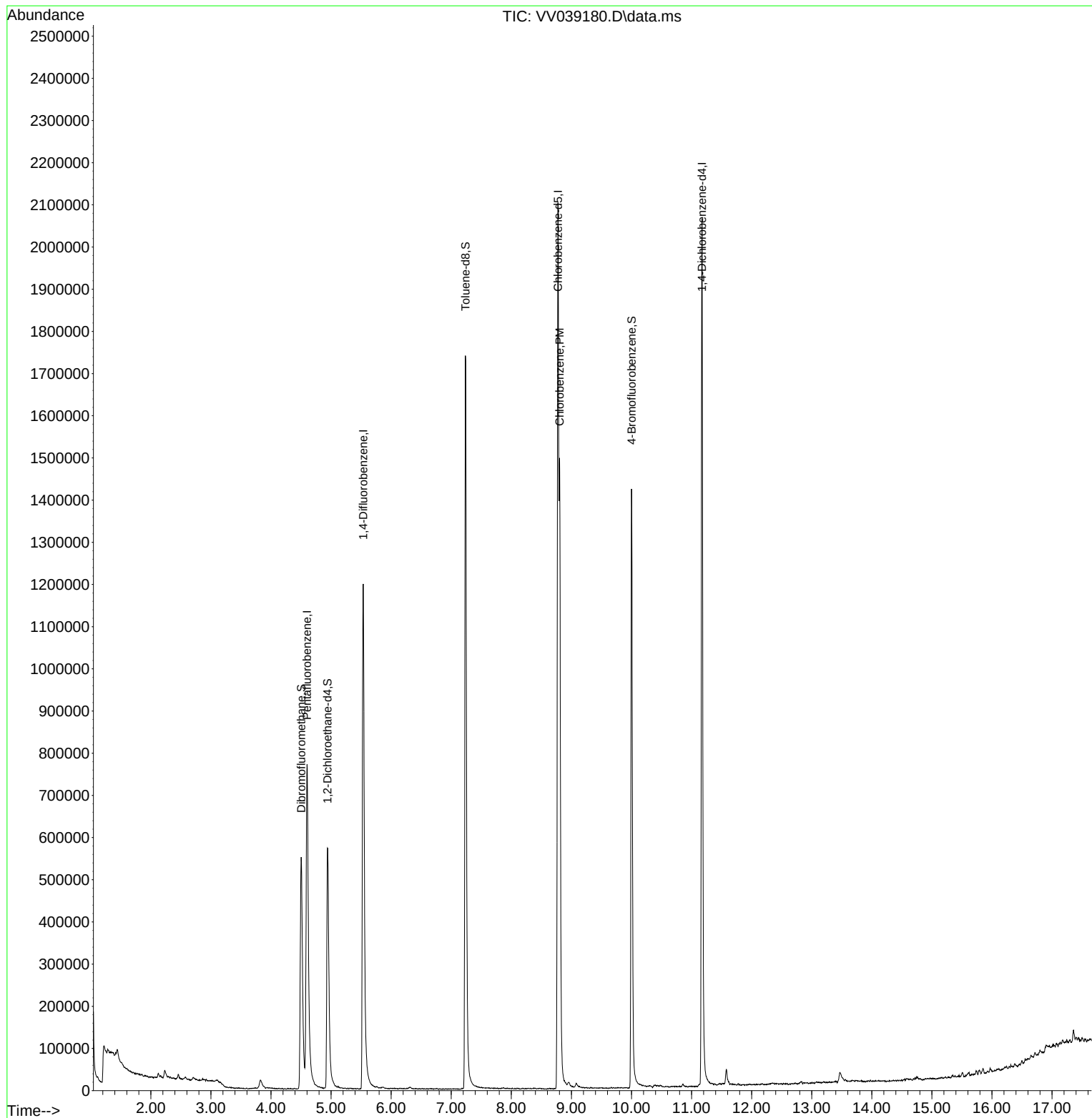
Internal Standards						
1) Pentafluorobenzene	4.600	168	642311	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	1161576	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	1114736	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	523929	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	525802	56.561	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	113.120%
35) Dibromofluoromethane	4.503	113	458522	49.102	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	98.200%
50) Toluene-d8	7.236	98	1241276	45.259	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.520%
62) 4-Bromofluorobenzene	10.001	95	505982	44.814	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	89.620%
Target Compounds						
65) Chlorobenzene	8.805	112	791007	25.475	ug/l	Qvalue 98

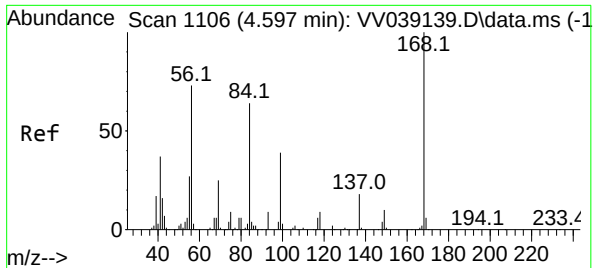
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039180.D
Acq On : 25 Sep 2025 14:48
Operator : SY/MD
Sample : Q3172-02DL 4X
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FW6DDL

Quant Time: Sep 26 01:29:27 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

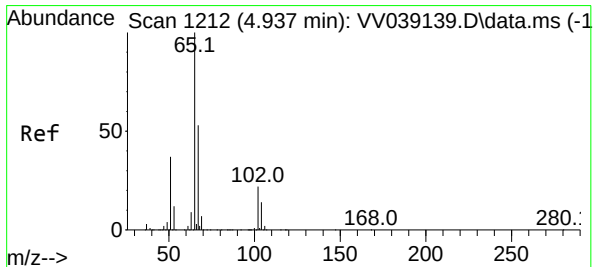
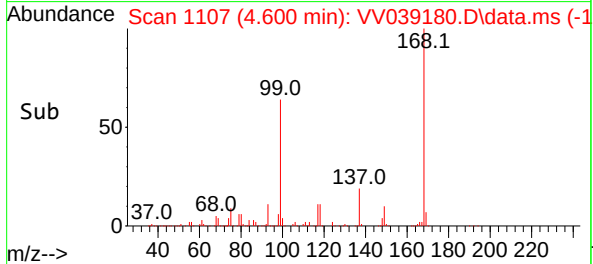
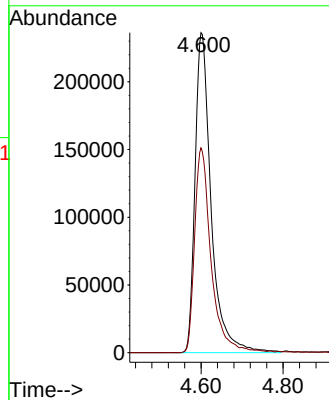
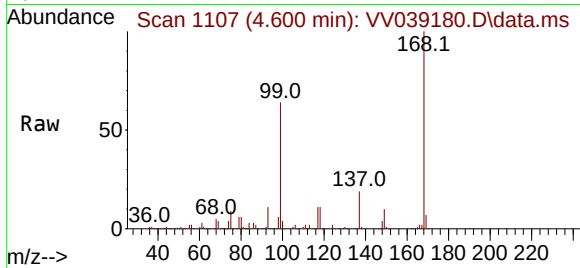




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1106
Delta R.T. 0.003 min
Lab File: VV039180.D
Acq: 25 Sep 2025 14:48

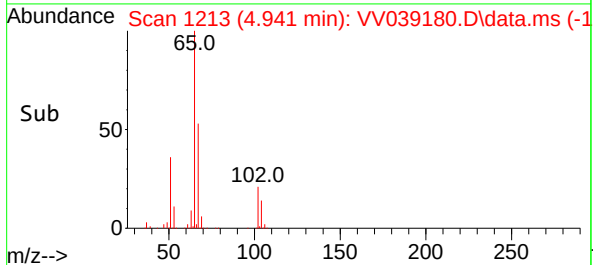
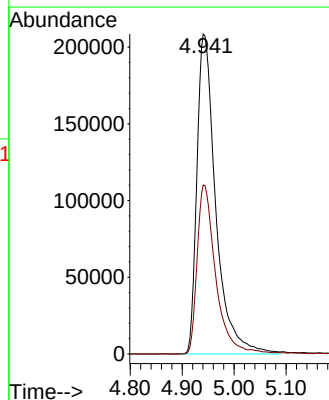
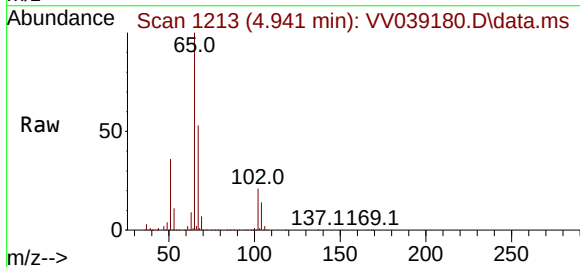
Instrument :
MSVOA_V
ClientSampleId :
FW6DDL

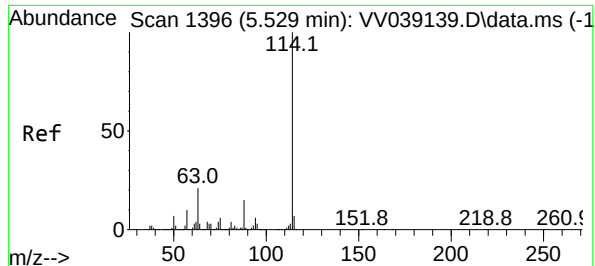
Tgt Ion:168 Resp: 642311
Ion Ratio Lower Upper
168 100
99 64.0 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 56.561 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039180.D
Acq: 25 Sep 2025 14:48

Tgt Ion: 65 Resp: 525802
Ion Ratio Lower Upper
65 100
67 51.9 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1161576

Delta R.T. 0.006 min

Lab File: VV039180.D

Acq: 25 Sep 2025 14:48

Instrument :

MSVOA_V

ClientSampleId :

FW6DDL

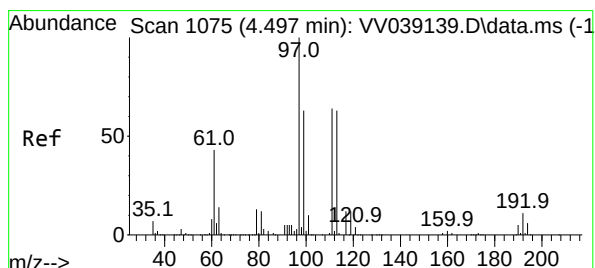
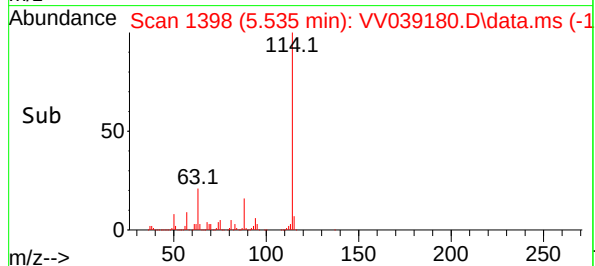
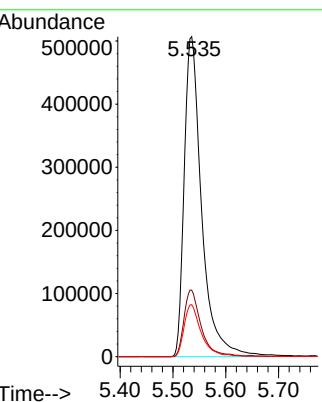
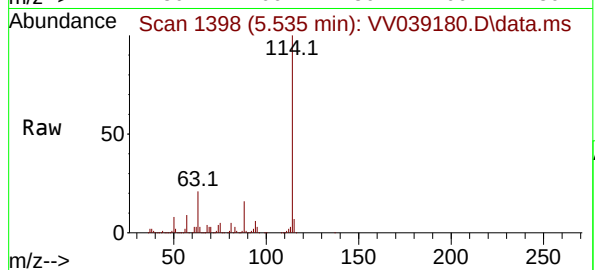
Tgt Ion:114 Resp: 1161576

Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.6

88 16.3 0.0 30.8



#35

Dibromofluoromethane

Concen: 49.102 ug/l

RT: 4.503 min Scan# 1077

Delta R.T. 0.006 min

Lab File: VV039180.D

Acq: 25 Sep 2025 14:48

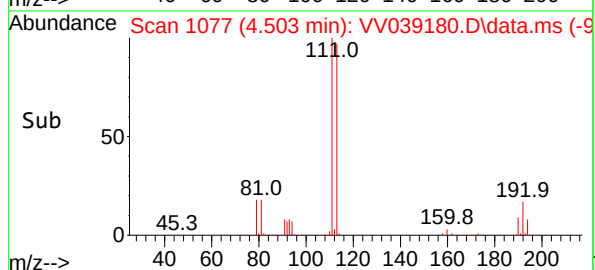
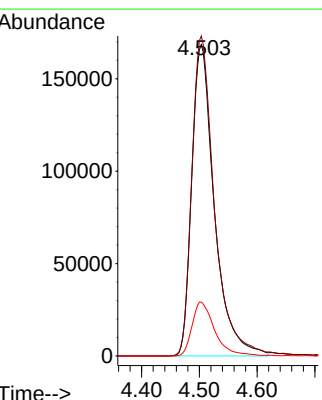
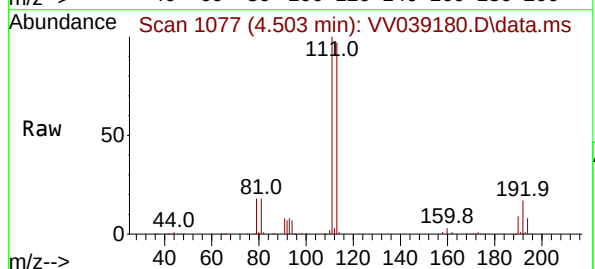
Tgt Ion:113 Resp: 458522

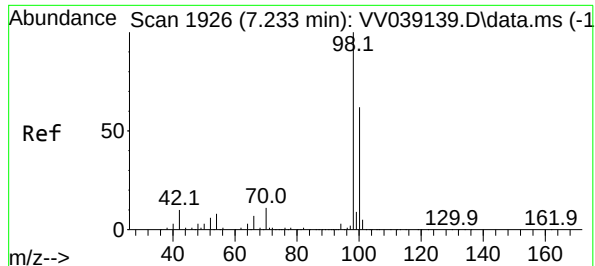
Ion Ratio Lower Upper

113 100

111 102.9 82.4 123.6

192 17.3 13.8 20.8





#50

Toluene-d8

Concen: 45.259 ug/l

RT: 7.236 min Scan# 1926

Delta R.T. 0.003 min

Lab File: VV039180.D

Acq: 25 Sep 2025 14:48

Instrument :

MSVOA_V

ClientSampleId :

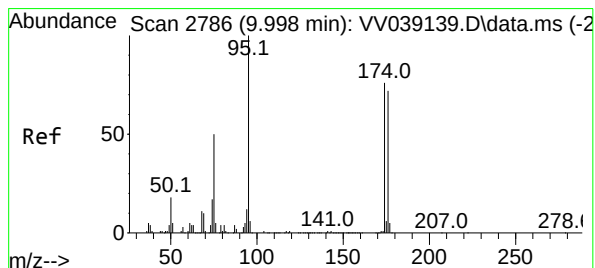
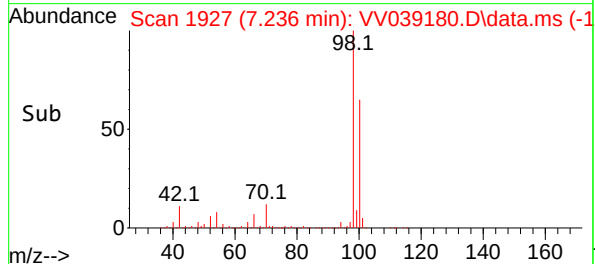
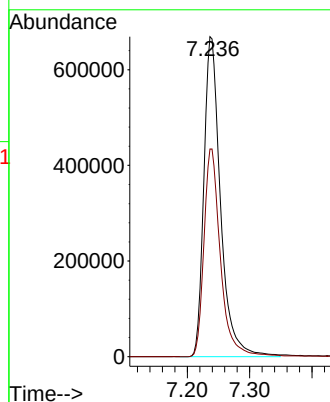
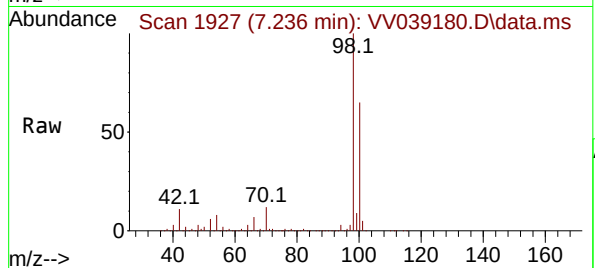
FW6DDL

Tgt Ion: 98 Resp: 1241276

Ion Ratio Lower Upper

98 100

100 64.9 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 44.814 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039180.D

Acq: 25 Sep 2025 14:48

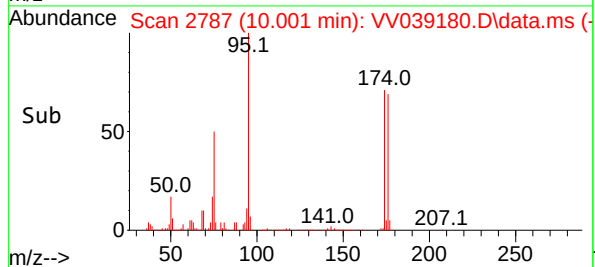
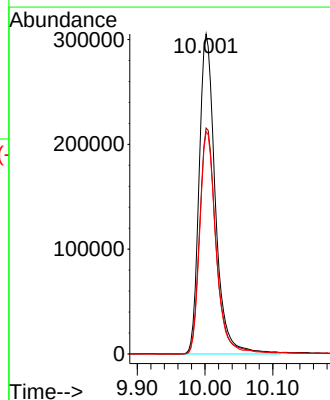
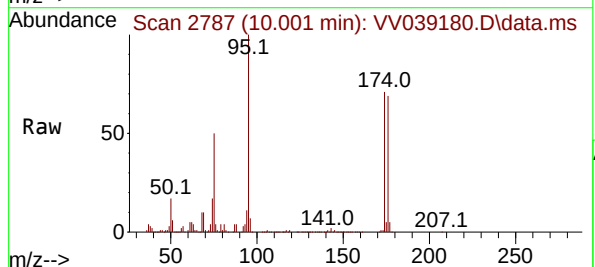
Tgt Ion: 95 Resp: 505982

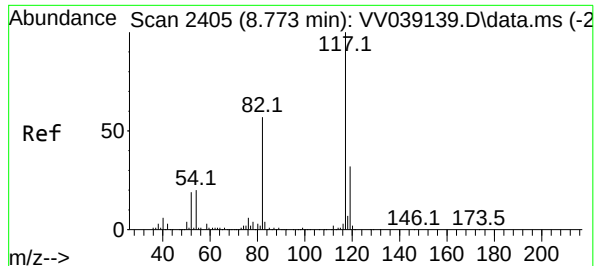
Ion Ratio Lower Upper

95 100

174 72.4 0.0 150.4

176 69.7 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039180.D

Acq: 25 Sep 2025 14:48

Instrument :

MSVOA_V

ClientSampleId :

FW6DDL

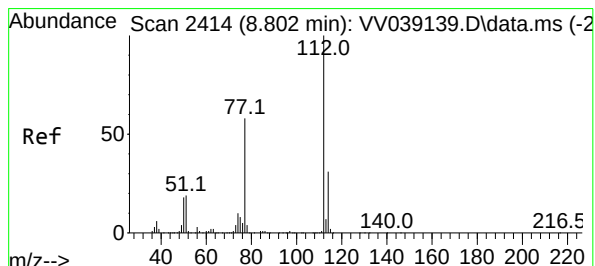
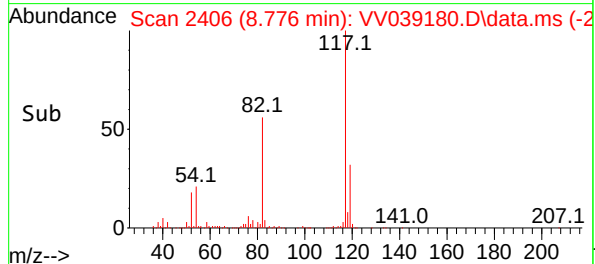
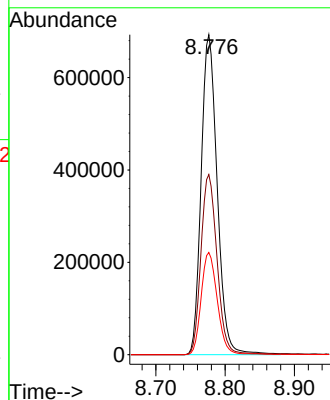
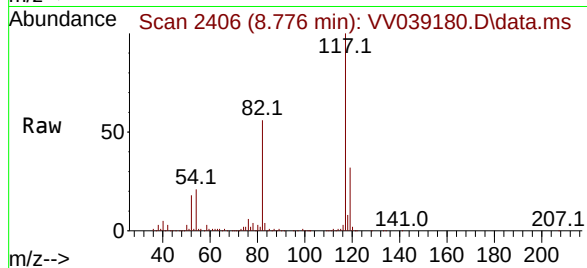
Tgt Ion:117 Resp: 1114736

Ion Ratio Lower Upper

117 100

82 56.3 45.4 68.2

119 32.0 25.6 38.4



#65

Chlorobenzene

Concen: 25.475 ug/l

RT: 8.805 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039180.D

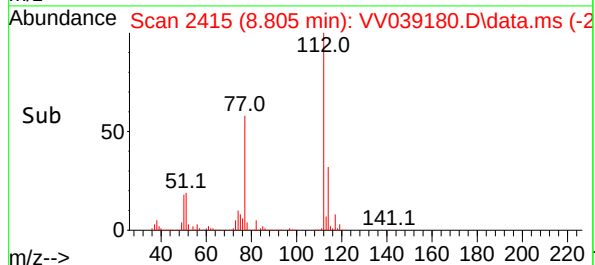
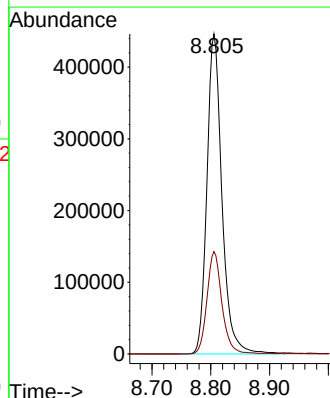
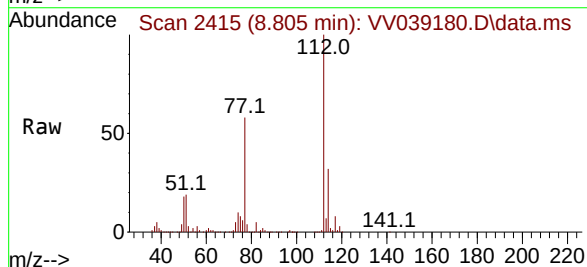
Acq: 25 Sep 2025 14:48

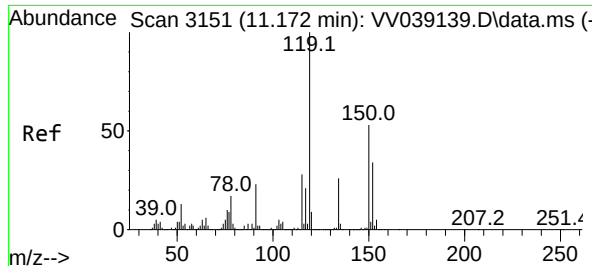
Tgt Ion:112 Resp: 791007

Ion Ratio Lower Upper

112 100

114 32.0 24.6 37.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 31

Delta R.T. 0.003 min

Lab File: VV039180.D

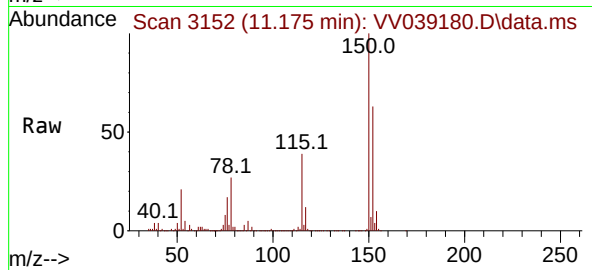
Acq: 25 Sep 2025 14:48

Instrument :

MSVOA_V

ClientSampleId :

FW6DDL



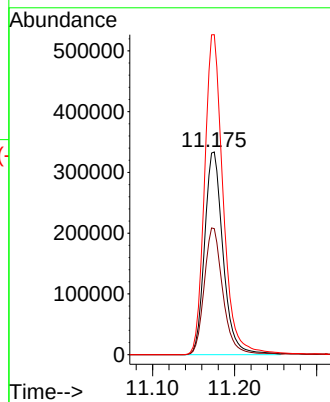
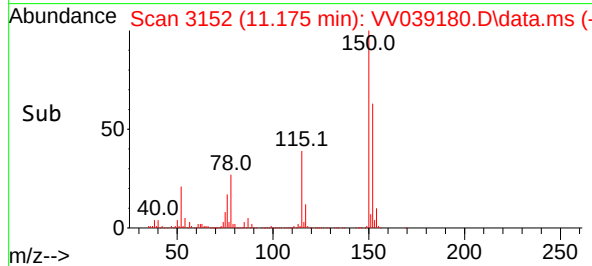
Tgt Ion:152 Resp: 523929

Ion Ratio Lower Upper

152 100

115 63.0 44.8 134.4

150 159.4 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039185.D
 Acq On : 25 Sep 2025 16:40
 Operator : SY/MD
 Sample : Q3172-03
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 GB3W

Quant Time: Sep 26 01:32:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.603	168	368346	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	653076	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	662159	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	325221	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	293708	55.094	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 110.180%	
35) Dibromofluoromethane	4.503	113	266204	50.704	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 101.400%	
50) Toluene-d8	7.239	98	716173	46.445	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 92.880%	
62) 4-Bromofluorobenzene	10.001	95	297465	46.860	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 93.720%	

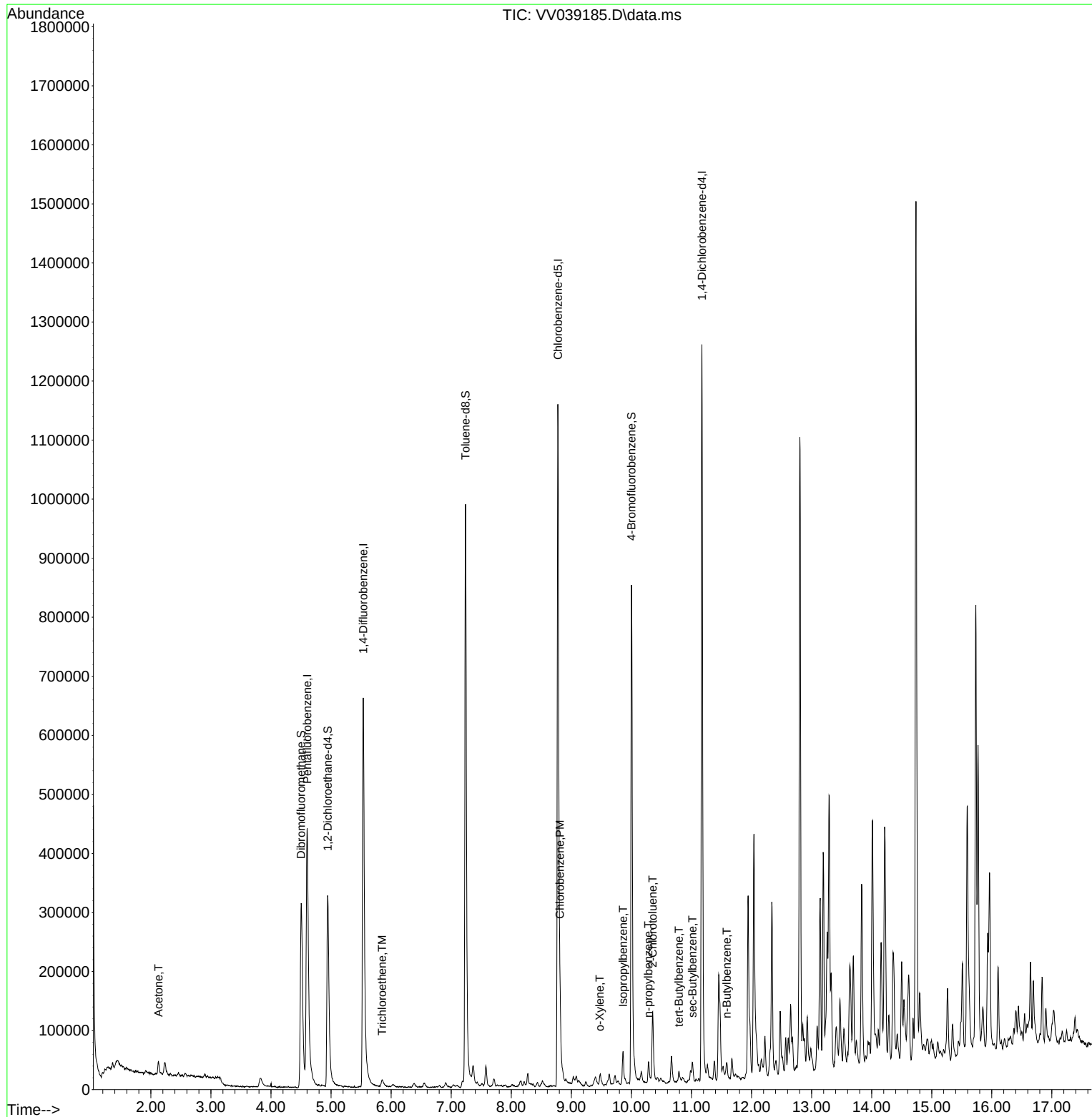
Target Compounds						Qvalue
16) Acetone	2.127	43	25840	3.116	ug/l	99
44) Trichloroethene	5.850	130	5474	0.918	ug/l	88
65) Chlorobenzene	8.808	112	87136	4.724	ug/l	100
69) o-Xylene	9.474	106	5011	0.525	ug/l	89
73) Isopropylbenzene	9.860	105	36396	1.543	ug/l	99
78) n-propylbenzene	10.284	91	29586	1.030	ug/l	99
79) 2-Chlorotoluene	10.352	91	70132	4.080	ug/l	100
83) tert-Butylbenzene	10.792	119	8040	0.411	ug/l	85
85) sec-Butylbenzene	11.014	105	17900	0.690	ug/l	97
89) n-Butylbenzene	11.586	91	13827	0.671	ug/l	95

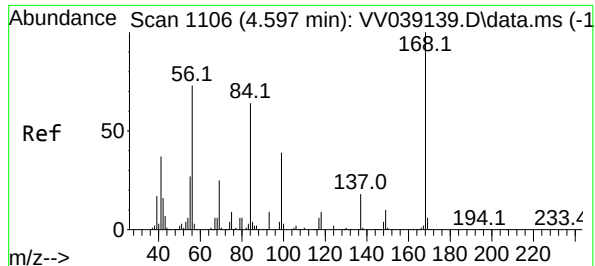
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

Quant Time: Sep 26 01:32:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

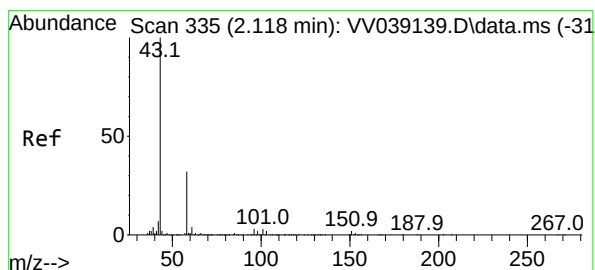
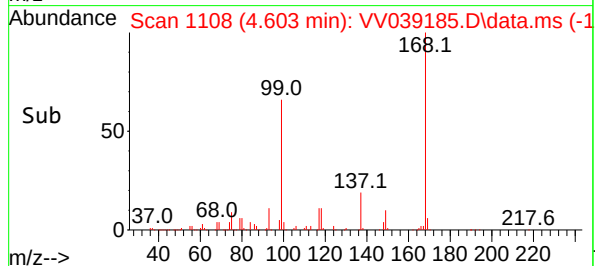
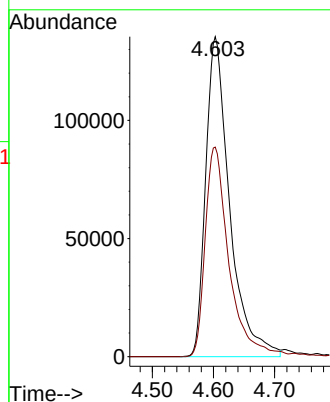
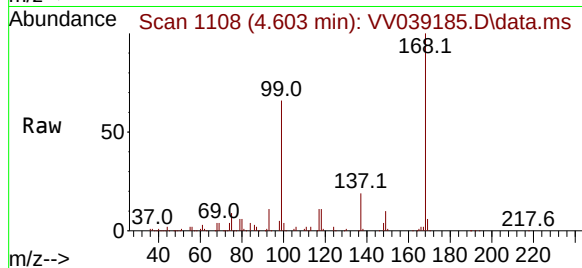




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.603 min Scan# 1106
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

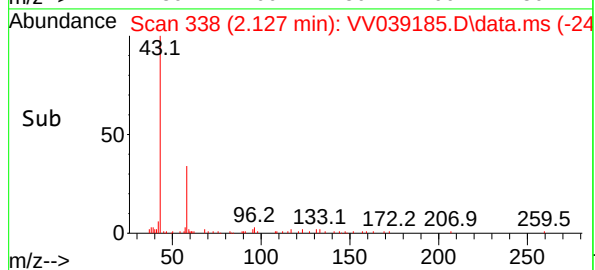
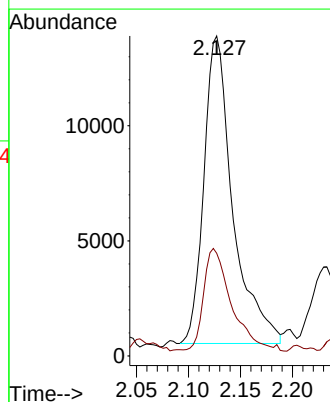
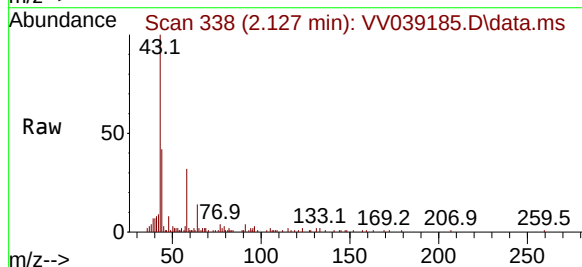
Instrument :
MSVOA_V
ClientSampleId :
GB3W

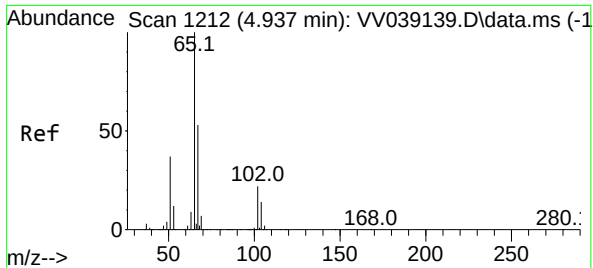
Tgt Ion:168 Resp: 368346
Ion Ratio Lower Upper
168 100
99 65.5 49.6 74.4



#16
Acetone
Concen: 3.116 ug/l
RT: 2.127 min Scan# 338
Delta R.T. 0.009 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 43 Resp: 25840
Ion Ratio Lower Upper
43 100
58 31.6 25.8 38.6





#33

1,2-Dichloroethane-d4

Concen: 55.094 ug/l

RT: 4.944 min Scan# 1214

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

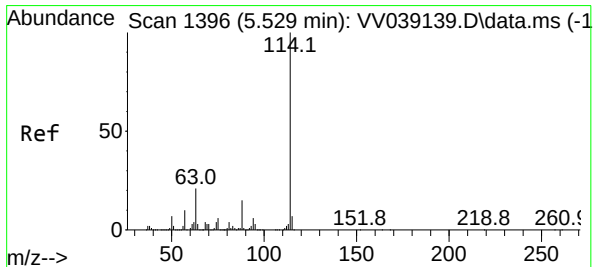
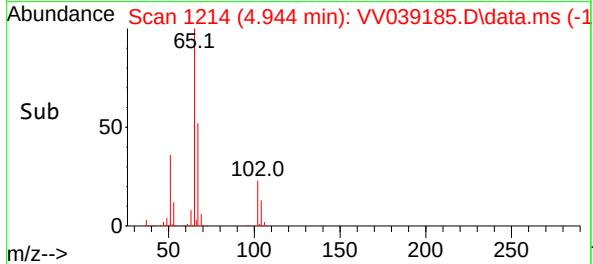
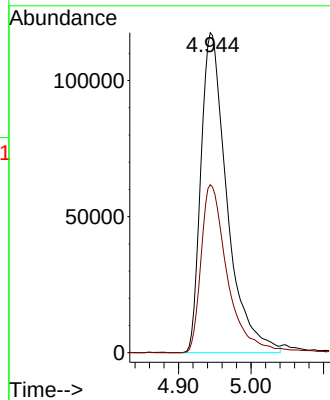
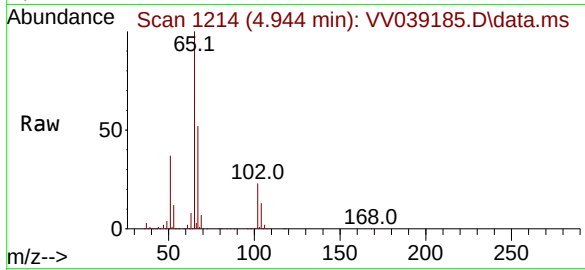
GB3W

Tgt Ion: 65 Resp: 293708

Ion Ratio Lower Upper

65 100

67 53.5 0.0 107.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.535 min Scan# 1398

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

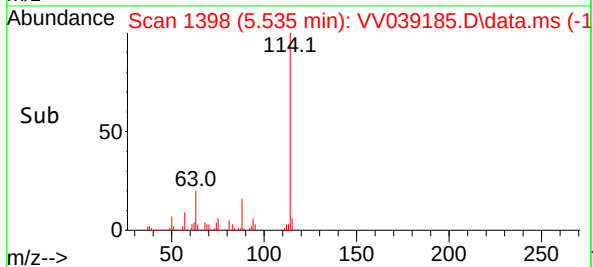
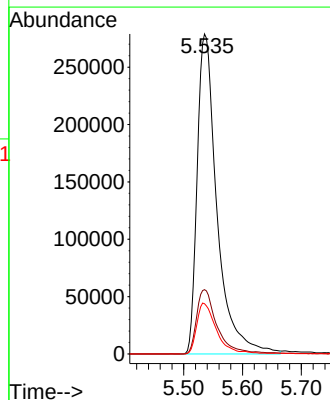
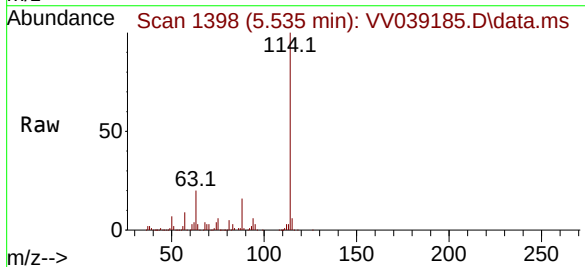
Tgt Ion: 114 Resp: 653076

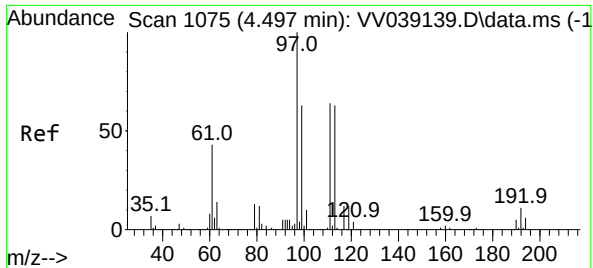
Ion Ratio Lower Upper

114 100

63 20.1 0.0 42.6

88 15.7 0.0 30.8





#35

Dibromofluoromethane

Concen: 50.704 ug/l

RT: 4.503 min Scan# 113

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

GB3W

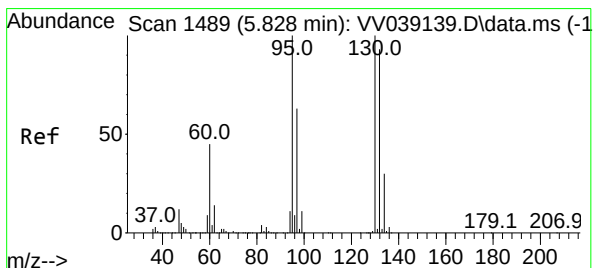
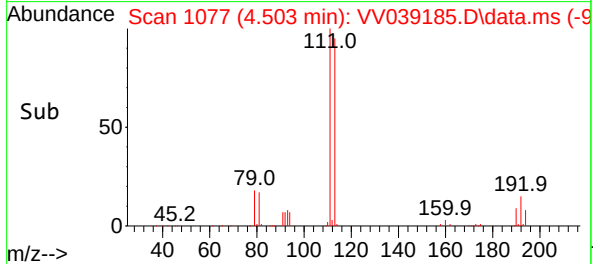
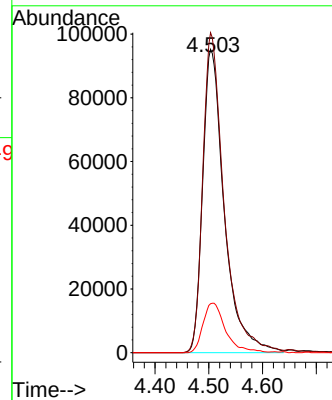
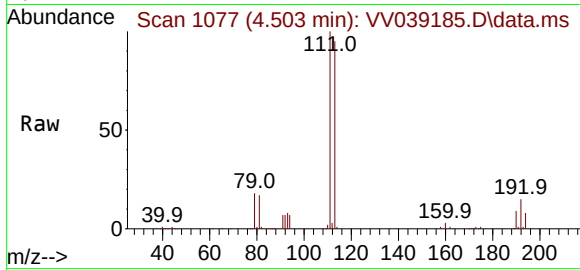
Tgt Ion:113 Resp: 266204

Ion Ratio Lower Upper

113 100

111 103.5 82.4 123.6

192 17.0 13.8 20.8



#44

Trichloroethene

Concen: 0.918 ug/l

RT: 5.850 min Scan# 1496

Delta R.T. 0.022 min

Lab File: VV039185.D

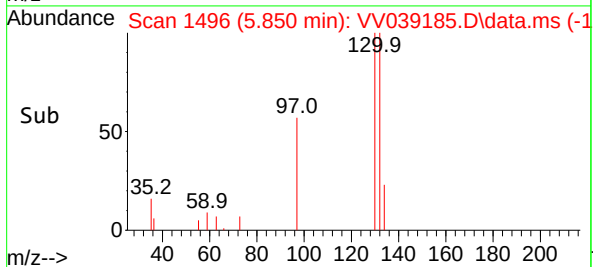
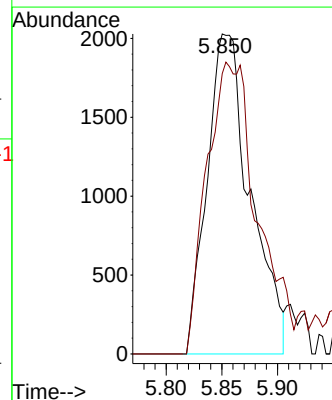
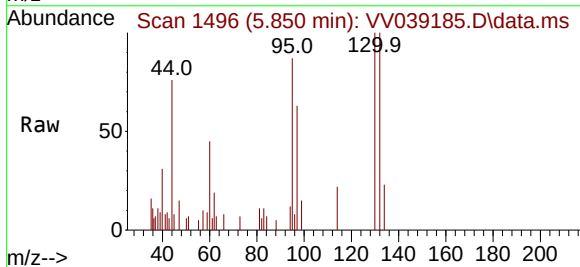
Acq: 25 Sep 2025 16:40

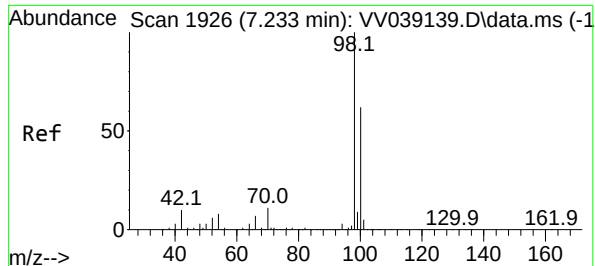
Tgt Ion:130 Resp: 5474

Ion Ratio Lower Upper

130 100

95 87.6 0.0 199.2





#50

Toluene-d8

Concen: 46.445 ug/l

RT: 7.239 min Scan# 1926

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

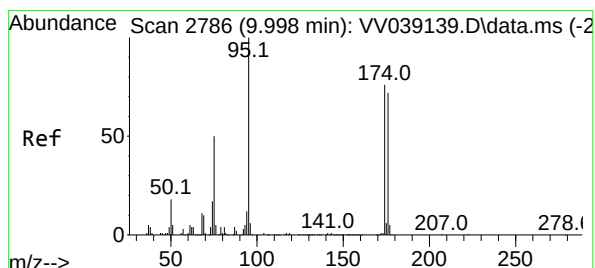
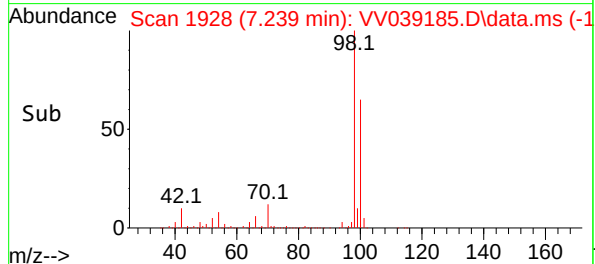
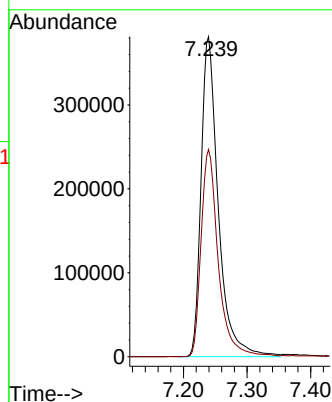
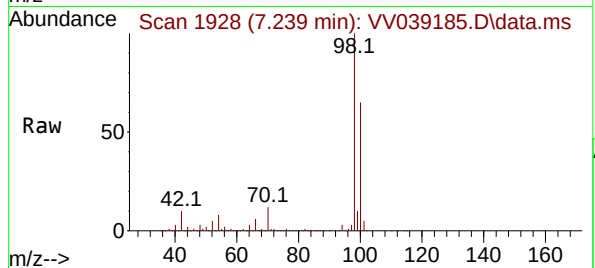
GB3W

Tgt Ion: 98 Resp: 716173

Ion Ratio Lower Upper

98 100

100 64.6 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 46.860 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

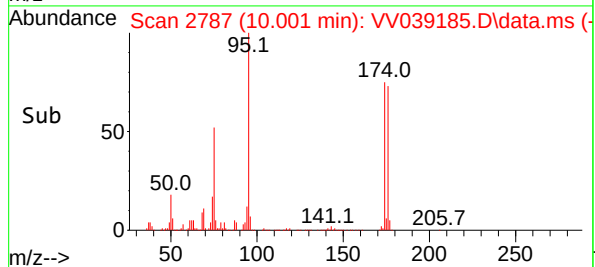
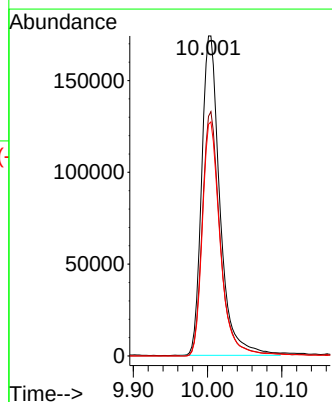
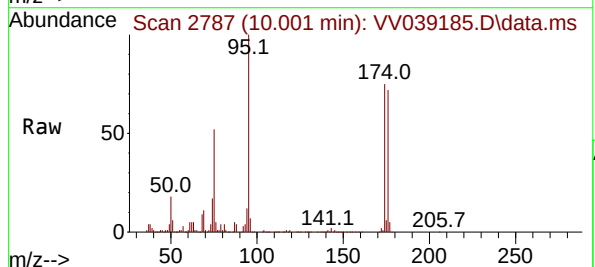
Tgt Ion: 95 Resp: 297465

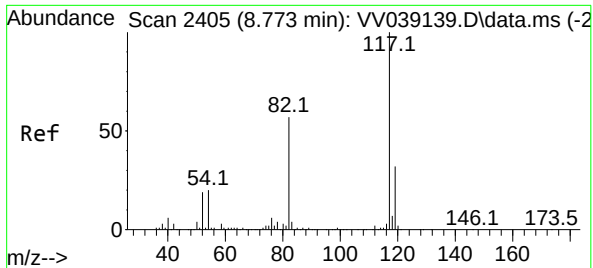
Ion Ratio Lower Upper

95 100

174 75.4 0.0 150.4

176 72.2 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

GB3W

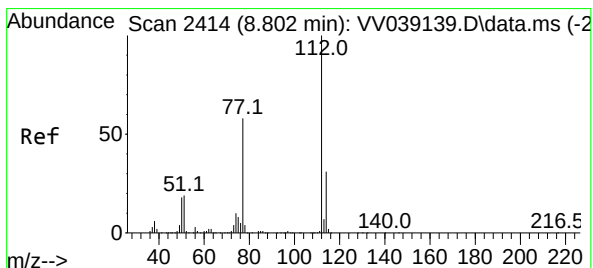
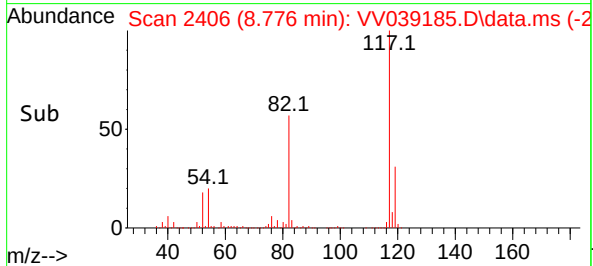
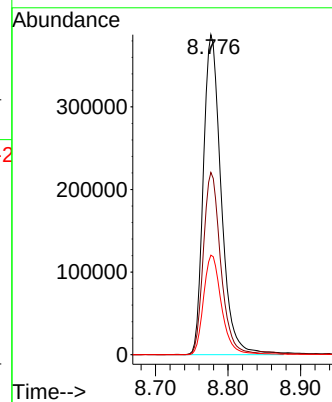
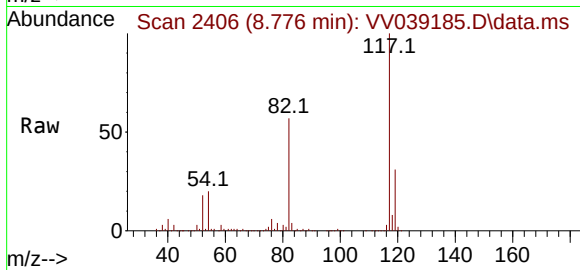
Tgt Ion:117 Resp: 662159

Ion Ratio Lower Upper

117 100

82 56.9 45.4 68.2

119 31.1 25.6 38.4



#65

Chlorobenzene

Concen: 4.724 ug/l

RT: 8.808 min Scan# 2416

Delta R.T. 0.006 min

Lab File: VV039185.D

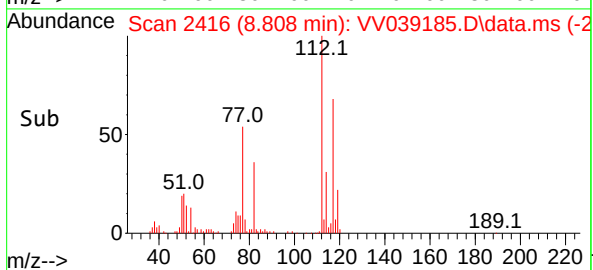
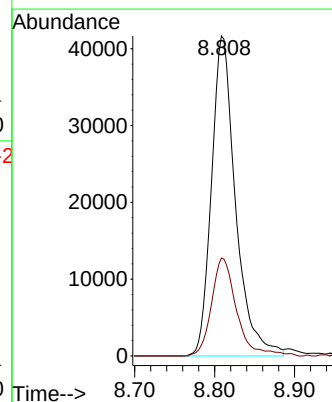
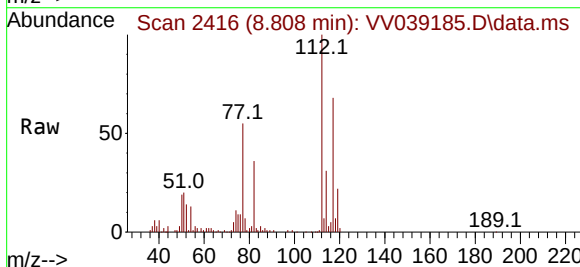
Acq: 25 Sep 2025 16:40

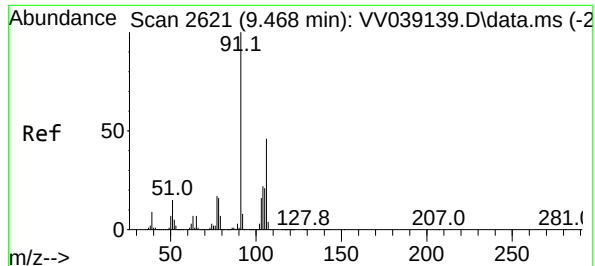
Tgt Ion:112 Resp: 87136

Ion Ratio Lower Upper

112 100

114 30.6 24.6 37.0





#69

o-Xylene

Concen: 0.525 ug/l

RT: 9.474 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

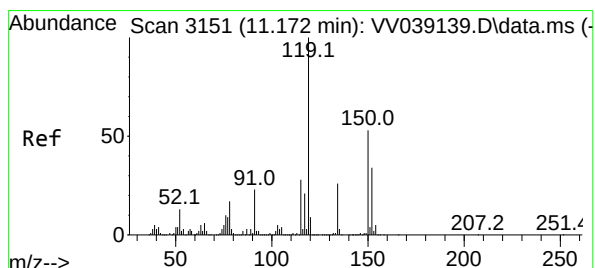
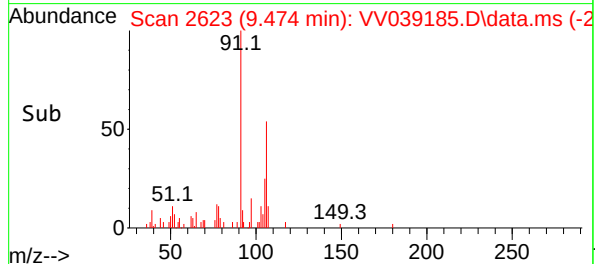
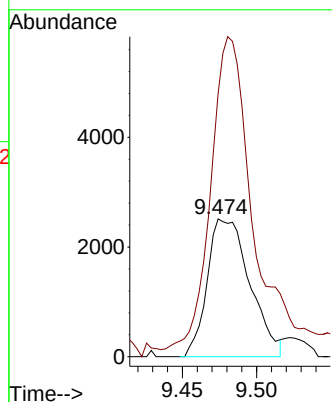
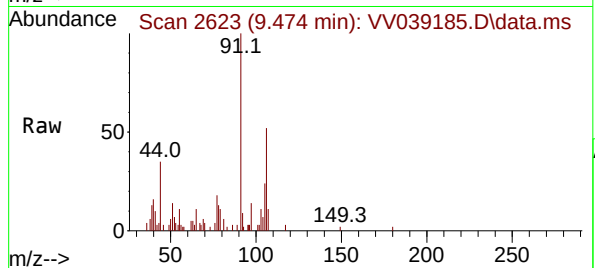
GB3W

Tgt Ion:106 Resp: 5011

Ion Ratio Lower Upper

106 100

91 236.2 109.1 327.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

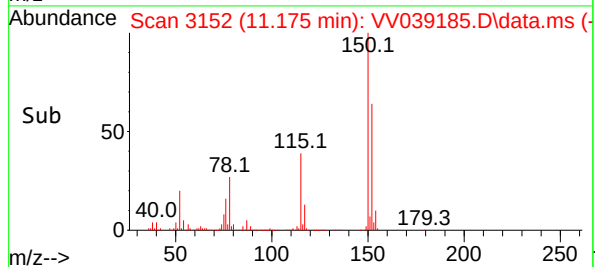
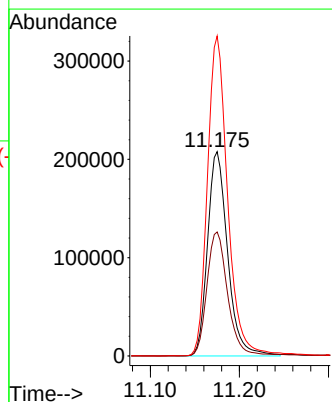
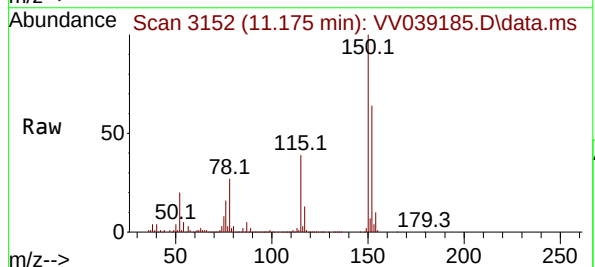
Tgt Ion:152 Resp: 325221

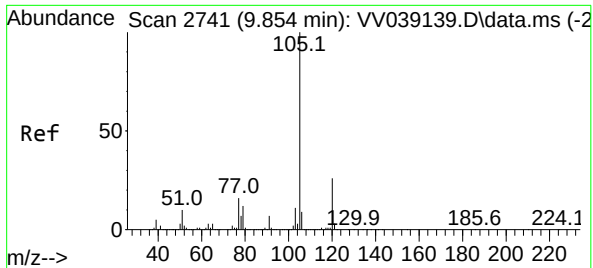
Ion Ratio Lower Upper

152 100

115 63.3 44.8 134.4

150 158.1 0.0 353.8

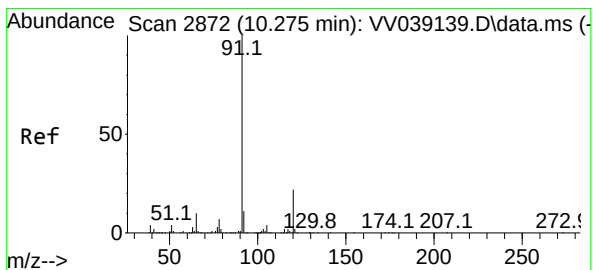
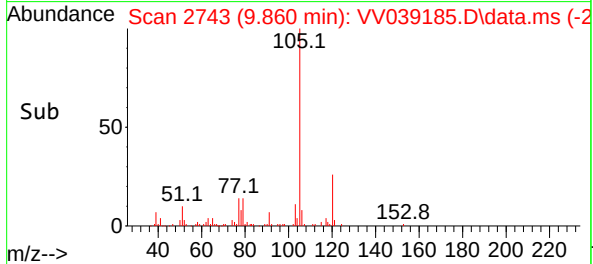
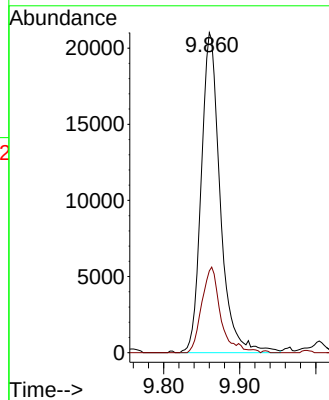
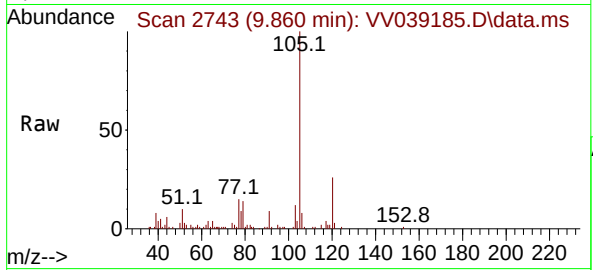




#73
Isopropylbenzene
Concen: 1.543 ug/l
RT: 9.860 min Scan# 21
Delta R.T. 0.006 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

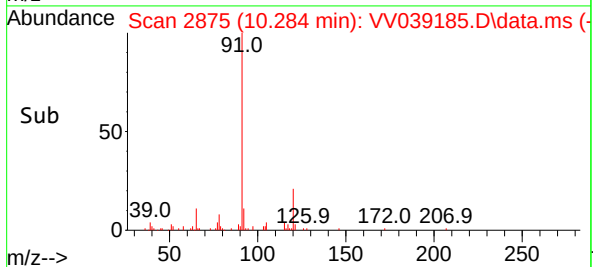
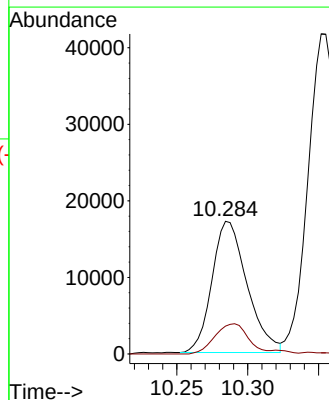
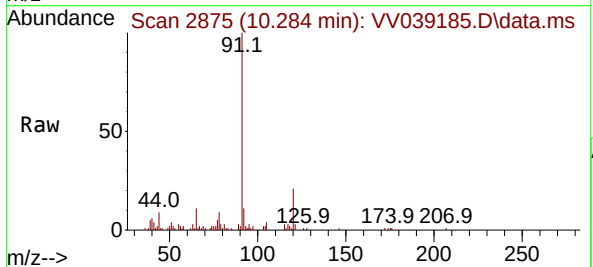
Instrument :
MSVOA_V
ClientSampleId :
GB3W

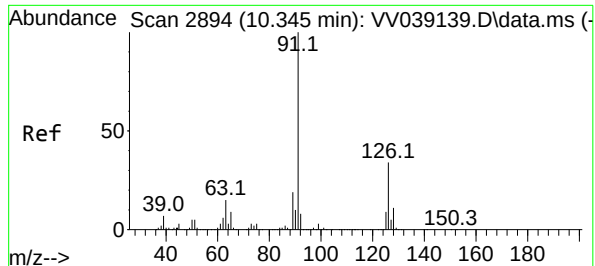
Tgt Ion:105 Resp: 36396
Ion Ratio Lower Upper
105 100
120 26.6 13.1 39.1



#78
n-propylbenzene
Concen: 1.030 ug/l
RT: 10.284 min Scan# 2875
Delta R.T. 0.010 min
Lab File: VV039185.D
Acq: 25 Sep 2025 16:40

Tgt Ion: 91 Resp: 29586
Ion Ratio Lower Upper
91 100
120 21.9 11.1 33.3





#79

2-Chlorotoluene

Concen: 4.080 ug/l

RT: 10.352 min Scan# 21

Delta R.T. 0.006 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

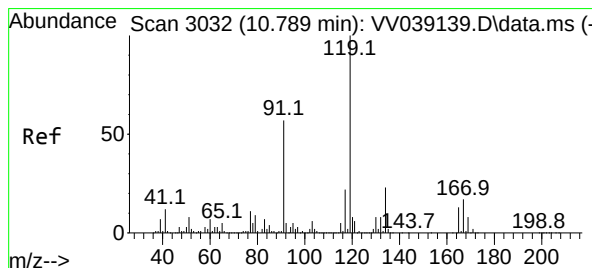
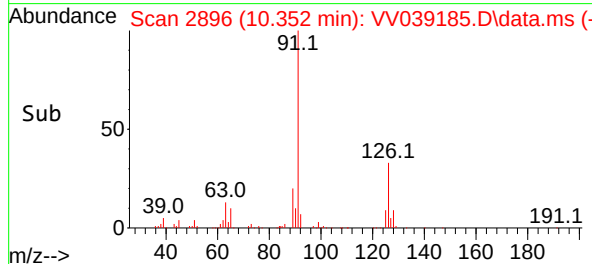
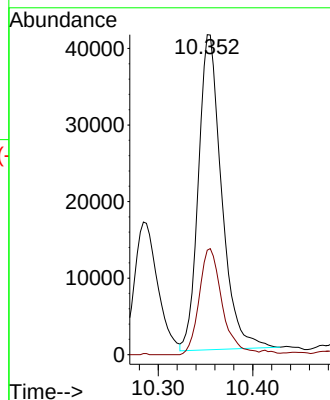
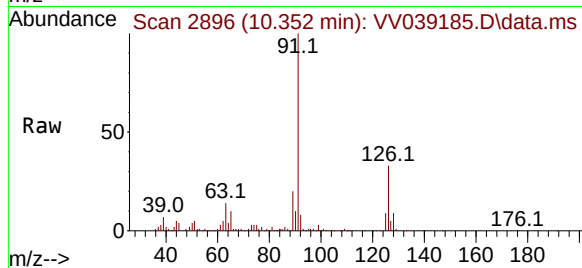
GB3W

Tgt Ion: 91 Resp: 70132

Ion Ratio Lower Upper

91 100

126 33.3 16.7 50.0



#83

tert-Butylbenzene

Concen: 0.411 ug/l

RT: 10.792 min Scan# 3033

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

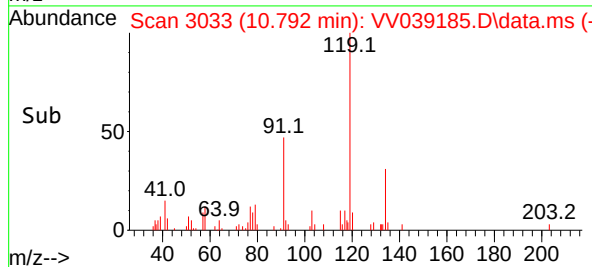
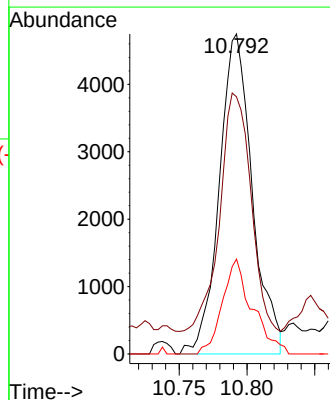
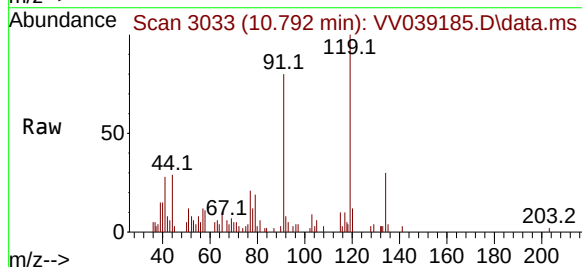
Tgt Ion: 119 Resp: 8040

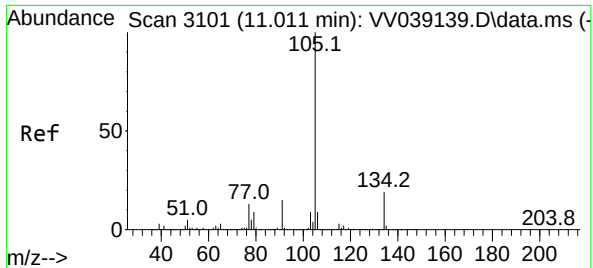
Ion Ratio Lower Upper

119 100

91 70.0 28.5 85.6

134 26.9 11.5 34.4





#85

sec-Butylbenzene

Concen: 0.690 ug/l

RT: 11.014 min Scan# 3101

Delta R.T. 0.003 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

Instrument :

MSVOA_V

ClientSampleId :

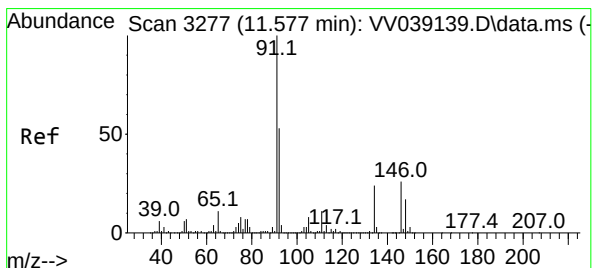
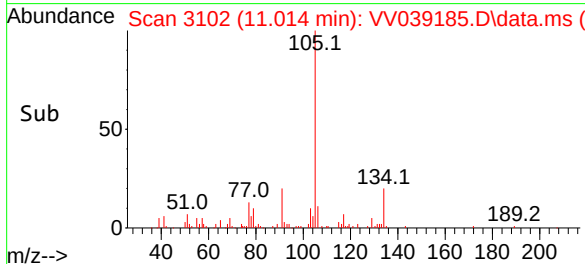
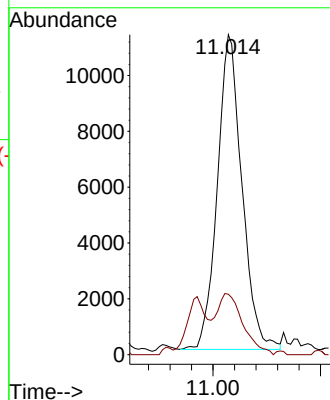
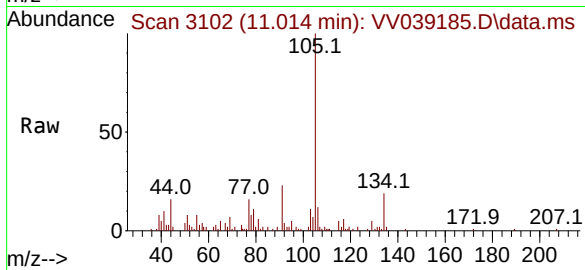
GB3W

Tgt Ion:105 Resp: 17900

Ion Ratio Lower Upper

105 100

134 20.6 9.6 28.8



#89

n-Butylbenzene

Concen: 0.671 ug/l

RT: 11.586 min Scan# 3280

Delta R.T. 0.010 min

Lab File: VV039185.D

Acq: 25 Sep 2025 16:40

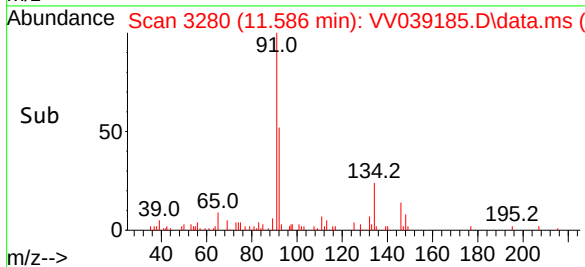
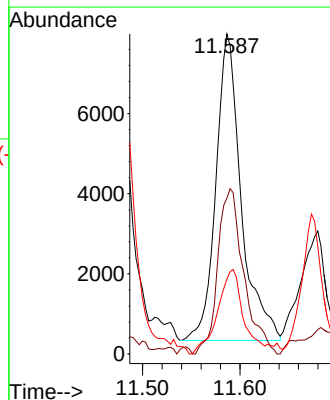
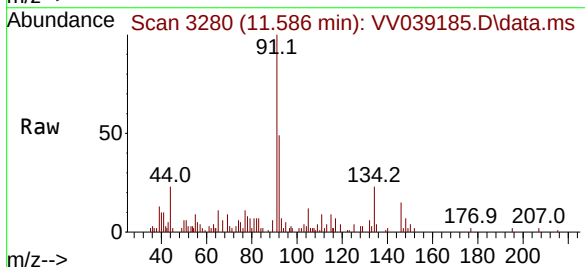
Tgt Ion: 91 Resp: 13827

Ion Ratio Lower Upper

91 100

92 55.1 26.6 79.8

134 29.3 12.1 36.3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

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_V\Method\82V092225W.M

Title : SW846 8260

Signal : TIC: VV039185.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.127	331	338	350	rBV2	20087	32459	1.39%	0.102%
2	2.233	364	371	380	rVB2	15966	28615	1.23%	0.090%
3	3.828	848	867	892	rBV2	14909	57268	2.46%	0.181%
4	4.503	1058	1077	1096	rBV2	312878	836086	35.85%	2.636%
5	4.603	1096	1108	1154	rVB2	435406	1218432	52.25%	3.842%
6	4.944	1201	1214	1244	rBV2	323667	814809	34.94%	2.569%
7	5.535	1386	1398	1433	rBV	658384	1550273	66.48%	4.888%
8	5.854	1486	1497	1515	rBV	11488	32942	1.41%	0.104%
9	7.239	1916	1928	1958	rVV	985017	1881167	80.67%	5.931%
10	7.365	1961	1967	1980	rVB5	29382	61489	2.64%	0.194%
11	7.577	2021	2033	2051	rVB2	34369	66463	2.85%	0.210%
12	7.709	2065	2074	2084	rVB9	11990	23634	1.01%	0.075%
13	8.278	2241	2251	2263	rBV4	18805	33035	1.42%	0.104%
14	8.776	2395	2406	2442	rBV	1155379	2271386	97.40%	7.162%
15	9.403	2583	2601	2615	rBV	15400	46289	1.98%	0.146%
16	9.484	2616	2626	2645	rVB3	20455	46526	2.00%	0.147%
17	9.632	2656	2672	2682	rBV8	17970	38135	1.64%	0.120%
18	9.860	2731	2743	2764	rBV3	55547	109194	4.68%	0.344%
19	10.001	2777	2787	2814	rBV	844242	1442151	61.84%	4.547%
20	10.165	2830	2838	2850	rVB6	17523	32682	1.40%	0.103%
21	10.284	2868	2875	2887	rBV2	34266	60723	2.60%	0.191%
22	10.355	2888	2897	2916	rVB	115955	202515	8.68%	0.639%
23	10.667	2985	2994	3007	rBV	43369	75476	3.24%	0.238%
24	10.792	3027	3033	3044	rBV3	15486	24413	1.05%	0.077%
25	11.014	3097	3102	3113	rVB2	32164	52179	2.24%	0.165%
26	11.175	3141	3152	3173	rBV	1247281	1995995	85.59%	6.294%
27	11.265	3177	3180	3190	rVB	22130	29213	1.25%	0.092%
28	11.381	3208	3216	3226	rVB2	32724	54777	2.35%	0.173%
29	11.455	3229	3239	3255	rBV3	177581	424957	18.22%	1.340%
30	11.587	3275	3280	3293	rVB2	26372	44231	1.90%	0.139%
31	11.673	3299	3307	3319	rBV4	34610	61517	2.64%	0.194%
32	11.943	3375	3391	3411	rBV2	308454	623277	26.73%	1.965%
33	12.040	3411	3421	3444	rBV2	403796	793605	34.03%	2.502%
34	12.165	3454	3460	3469	rBV6	18736	32469	1.39%	0.102%
35	12.223	3471	3478	3494	rVB2	67362	115029	4.93%	0.363%
36	12.339	3494	3514	3527	rBV	294526	533679	22.89%	1.683%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

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_V\Method\82V092225W.M
Title : SW846 8260

37	12.477	3548	3557	3566	rBV2	106555	180347	7.73%	0.569%
38	12.570	3579	3586	3592	rBV2	55971	77737	3.33%	0.245%
39	12.612	3592	3599	3604	rBV2	45304	67127	2.88%	0.212%
40	12.651	3605	3611	3617	rVV	78746	99125	4.25%	0.313%
41	12.805	3646	3659	3669	rBV2	1065689	1695964	72.73%	5.347%
42	12.927	3690	3697	3709	rBV2	75277	114931	4.93%	0.362%
43	13.094	3740	3749	3755	rBV2	70100	120567	5.17%	0.380%
44	13.143	3755	3764	3772	rVB	263803	412637	17.69%	1.301%
45	13.194	3772	3780	3788	rBV2	335680	480958	20.62%	1.516%
46	13.262	3794	3801	3804	rBV	144058	187507	8.04%	0.591%
47	13.291	3804	3810	3817	rVB	338251	459463	19.70%	1.449%
48	13.413	3838	3848	3859	rBV5	62234	143235	6.14%	0.452%
49	13.471	3859	3866	3880	rVV2	107629	192016	8.23%	0.605%
50	13.538	3880	3887	3901	rVB7	56205	110874	4.75%	0.350%
51	13.638	3909	3918	3928	rBV5	149887	318707	13.67%	1.005%
52	13.696	3929	3936	3946	rVB3	164990	250177	10.73%	0.789%
53	13.834	3969	3979	3994	rVB	300153	514269	22.05%	1.622%
54	14.014	4025	4035	4048	rBV	394267	741075	31.78%	2.337%
55	14.159	4072	4080	4089	rBV4	169461	281231	12.06%	0.887%
56	14.217	4090	4098	4112	rVB4	381788	735113	31.52%	2.318%
57	14.287	4113	4120	4130	rVB4	73507	118713	5.09%	0.374%
58	14.358	4133	4142	4157	rBV6	174939	395432	16.96%	1.247%
59	14.500	4177	4186	4193	rBV	163885	273419	11.72%	0.862%
60	14.538	4194	4198	4210	rVV6	97367	193592	8.30%	0.610%
61	14.615	4211	4222	4235	rVB5	144542	344132	14.76%	1.085%
62	14.689	4238	4245	4250	rBV3	62628	90085	3.86%	0.284%
63	14.738	4250	4260	4273	rVV	1440153	2331984	100.00%	7.353%
64	14.799	4274	4279	4295	rVB4	95924	184223	7.90%	0.581%
65	15.265	4417	4424	4439	rVB2	121609	214053	9.18%	0.675%
66	15.348	4442	4450	4466	rVV10	55385	109898	4.71%	0.347%
67	15.509	4494	4500	4511	rVB	141044	221360	9.49%	0.698%
68	15.593	4516	4526	4553	rVB3	407607	867026	37.18%	2.734%
69	15.734	4561	4570	4576	rBV	731895	1098586	47.11%	3.464%
70	15.770	4576	4581	4595	rVB	500552	786743	33.74%	2.481%
71	15.934	4623	4632	4635	rBV	186121	265052	11.37%	0.836%
72	15.963	4636	4641	4661	rVB	292232	477543	20.48%	1.506%
73	16.104	4678	4685	4697	rBV	132611	207681	8.91%	0.655%
74	16.644	4847	4853	4861	rVB2	112627	152095	6.52%	0.480%
75	16.692	4862	4868	4890	rVB2	104661	215799	9.25%	0.680%
76	16.837	4907	4913	4925	rVB	109407	159665	6.85%	0.503%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

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_V\Method\82V092225W.M

Title : SW846 8260

77	16.901	4927	4933	4944	rVB3	49337	77908	3.34%	0.246%
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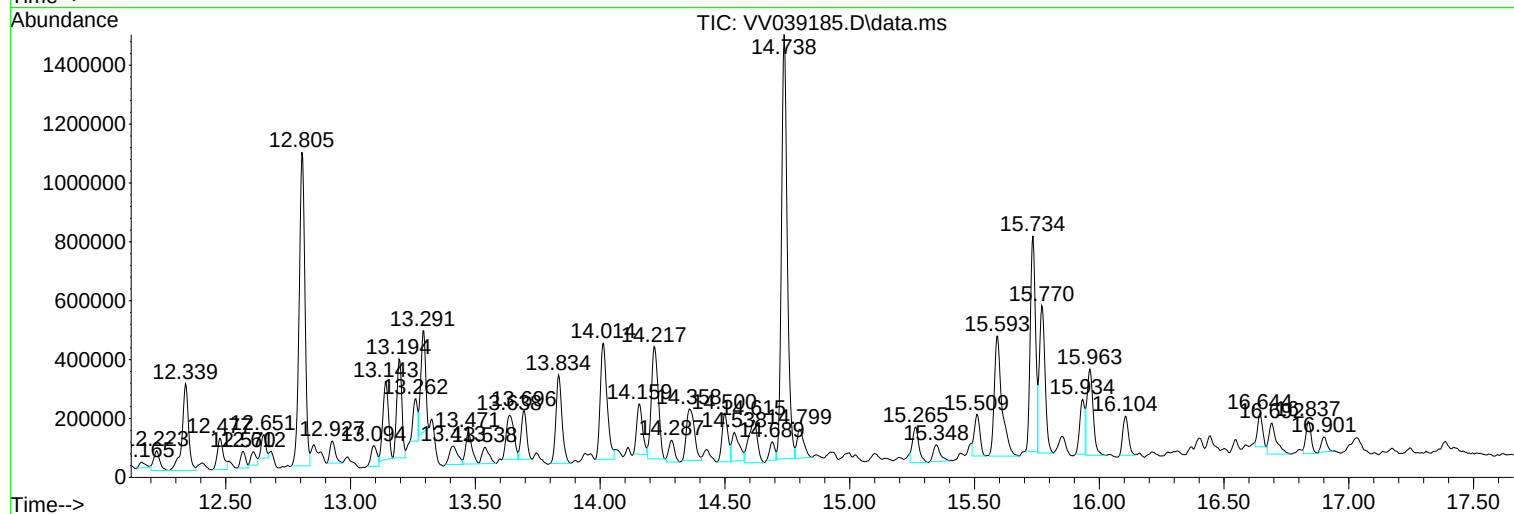
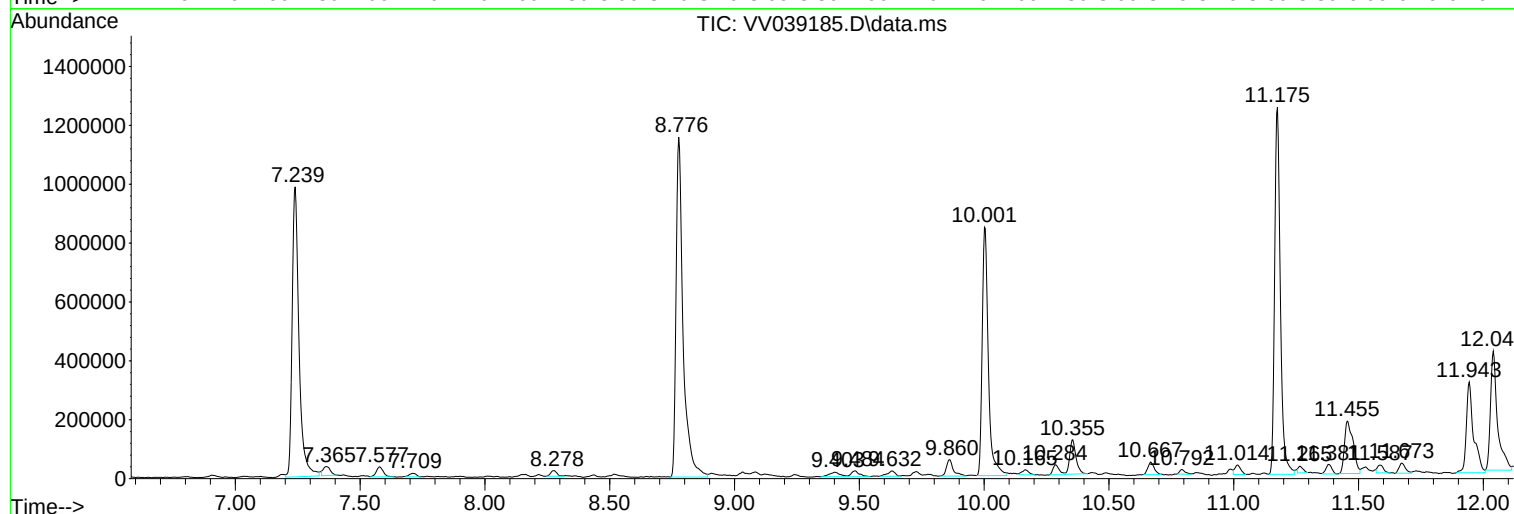
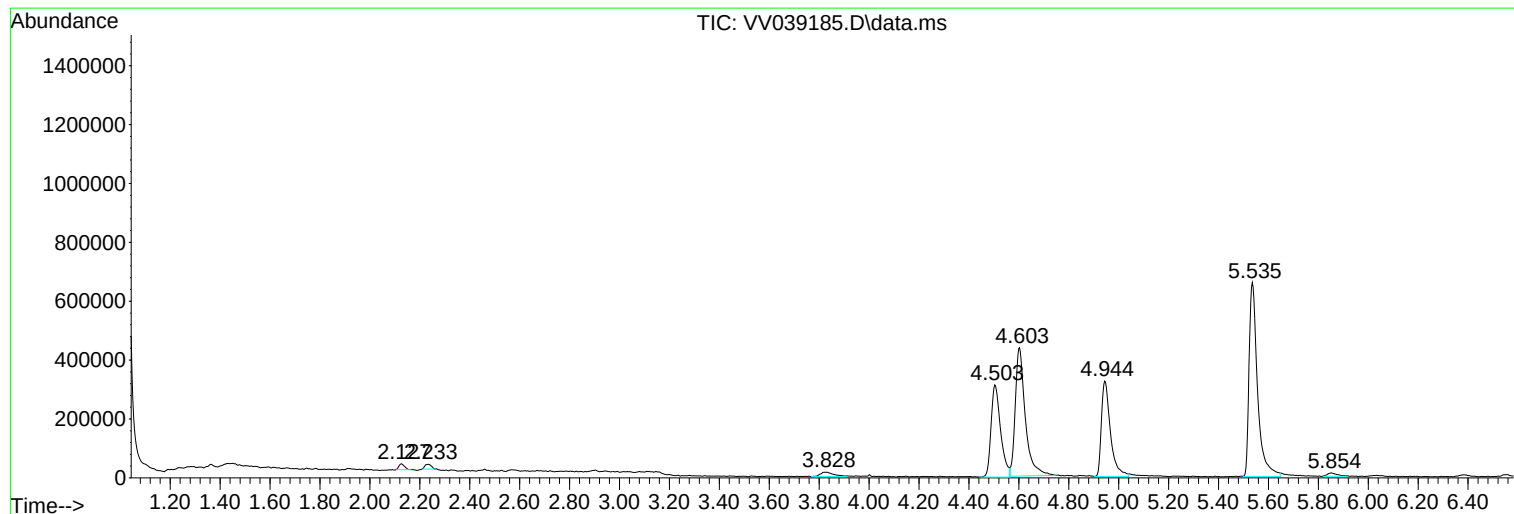
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

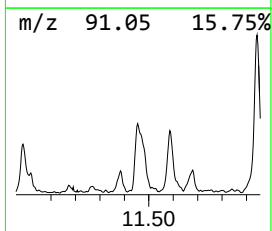
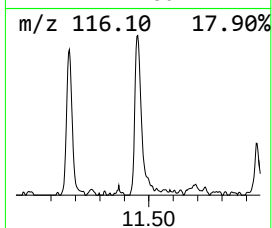
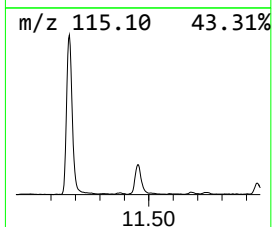
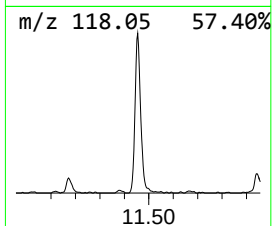
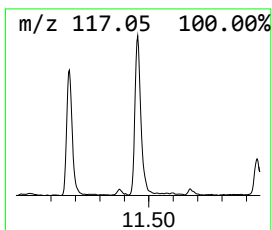
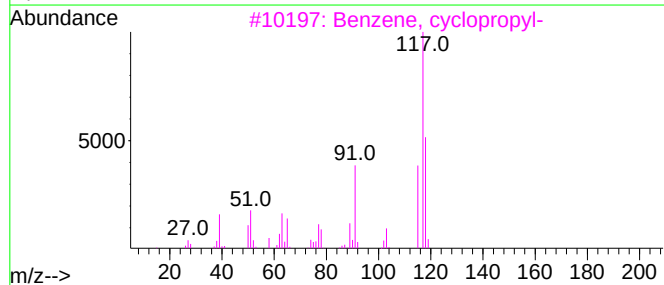
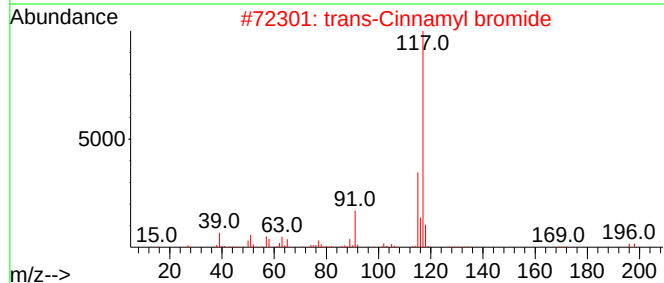
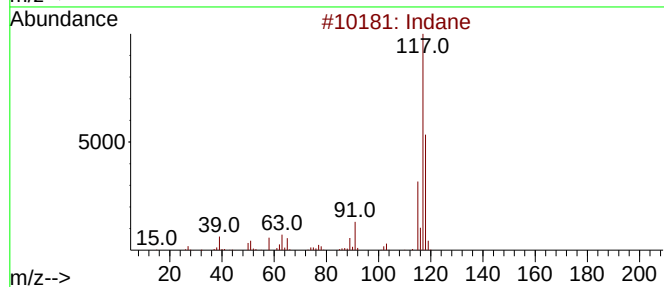
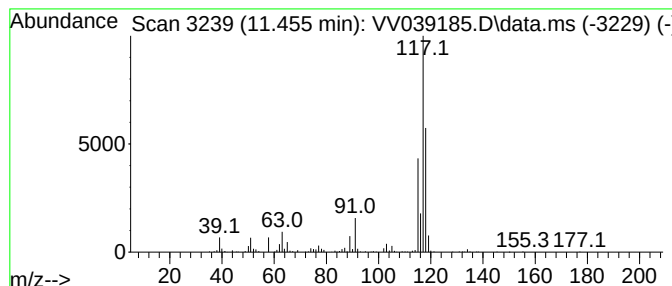
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

Peak Number 1 Indane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.455	10.65 ug/l	424957	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	95
2			trans-Cinnamyl bromide	196	C9H9Br	026146-77-0	72
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
4			Benzene, 1-propenyl-	118	C9H10	000637-50-3	58
5			7-Methylenecycloocta-1,3,5-triene	118	C9H10	002570-13-0	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

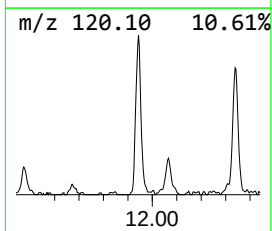
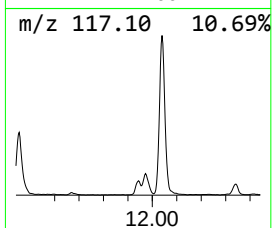
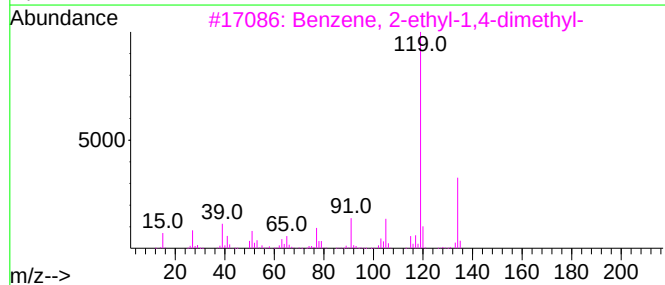
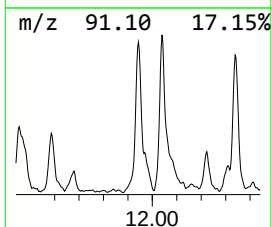
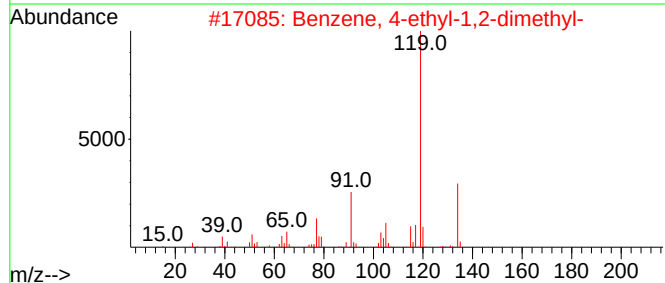
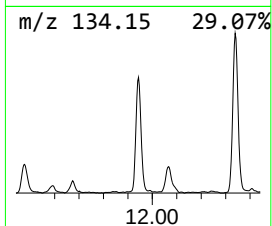
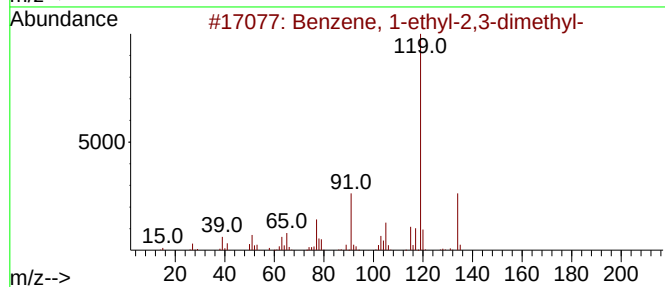
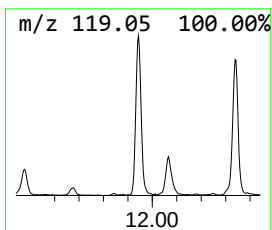
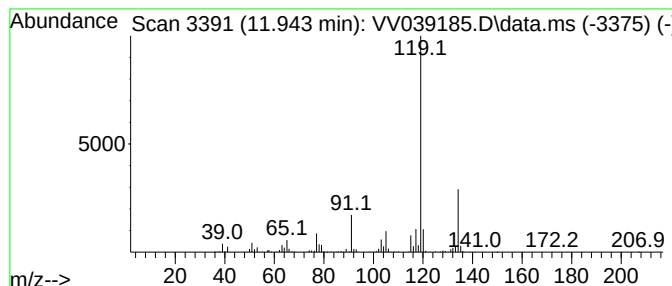
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

Peak Number 2 Benzene, 1-ethyl-2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.943	15.61 ug/l	623277	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	96
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	94
4			o-Cymene	134	C10H14	000527-84-4	94
5			Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

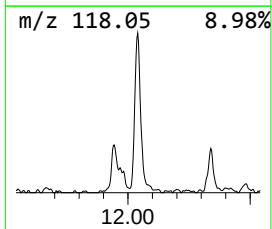
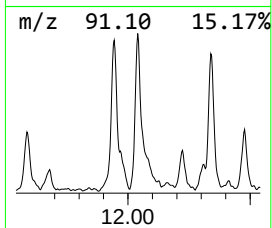
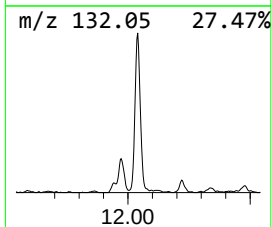
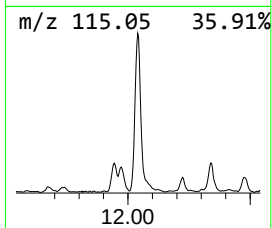
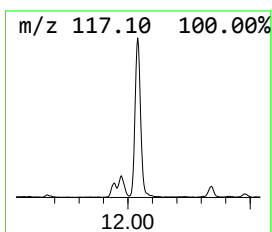
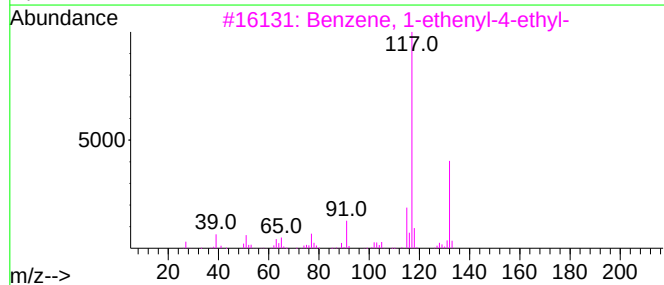
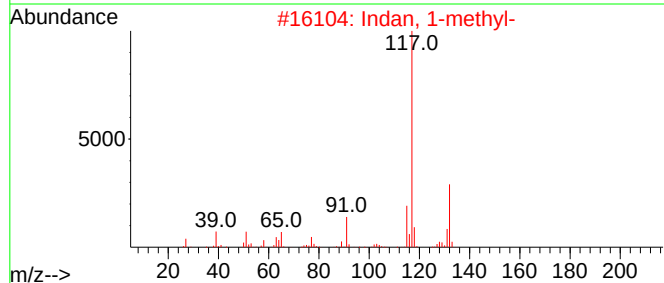
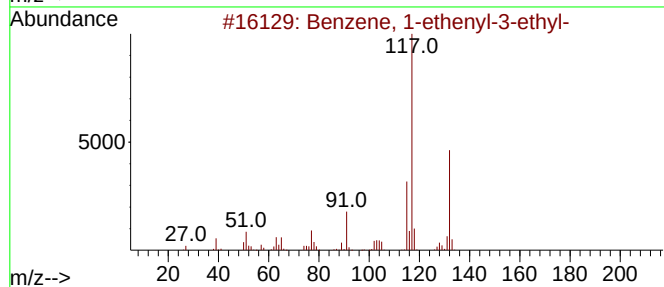
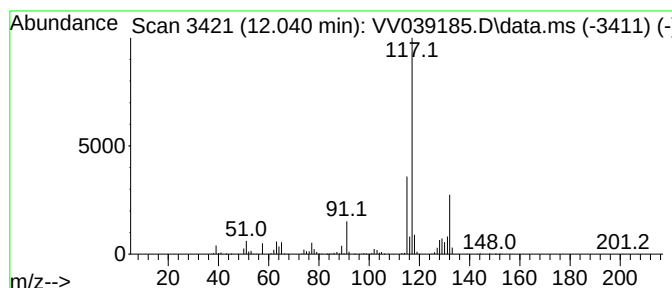
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

Peak Number 3 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.040	19.88 ug/l	793605	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
2			Indan, 1-methyl-	132	C10H12	000767-58-8	87
3			Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	83
4			1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	80
5			Benzene, (2-methyl-1-propenyl)-	132	C10H12	000768-49-0	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

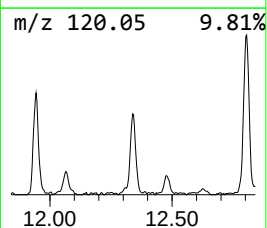
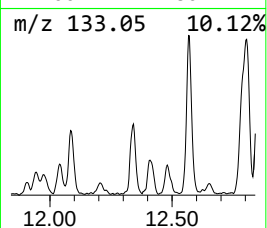
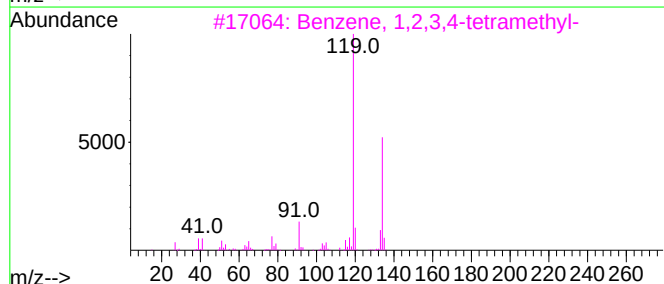
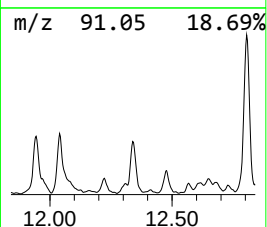
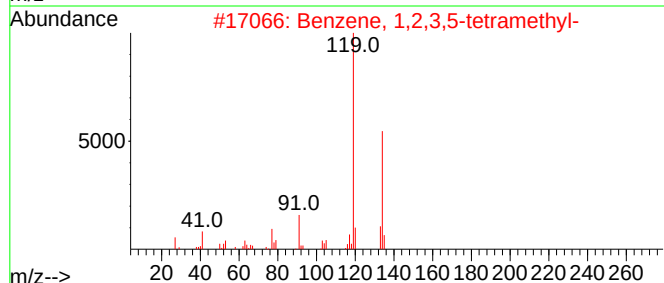
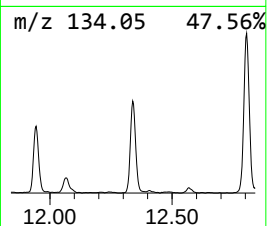
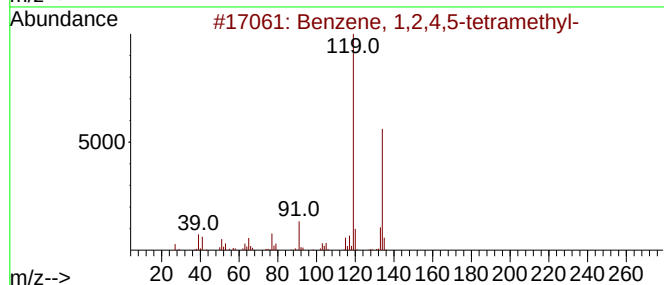
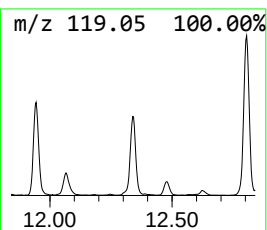
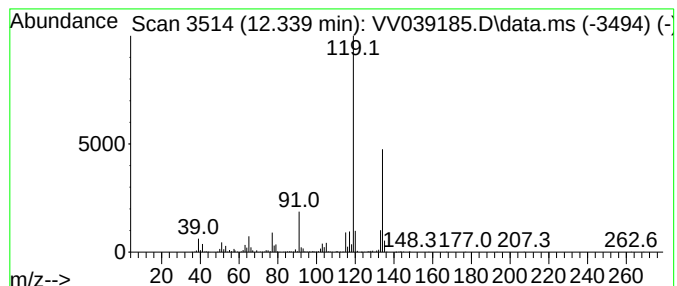
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Quant Title : SW846 8260

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

Peak Number 4 Benzene, 1,2,4,5-tetramethyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	13.37 ug/l	533679	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94
5			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

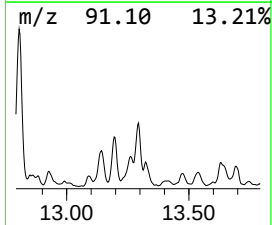
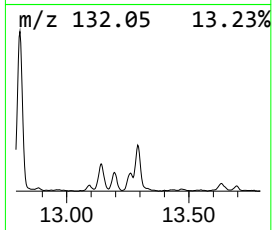
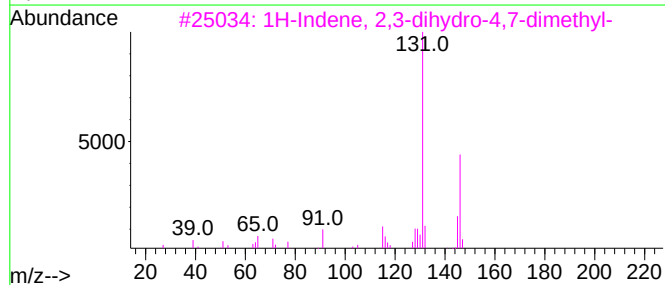
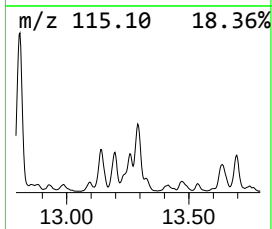
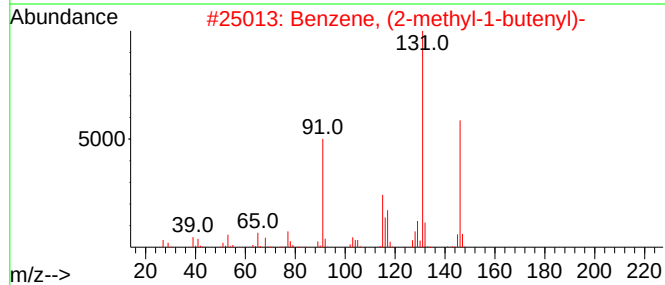
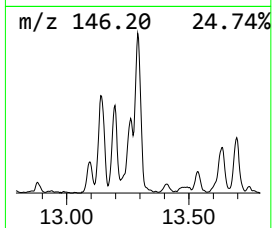
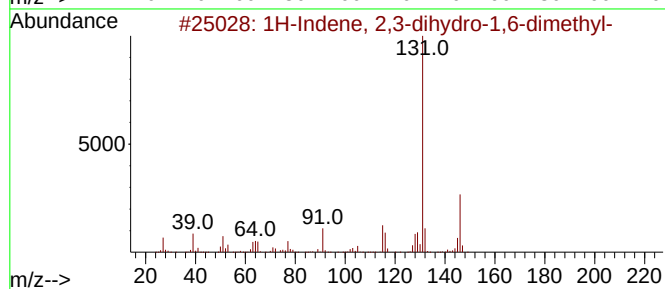
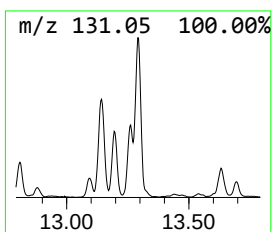
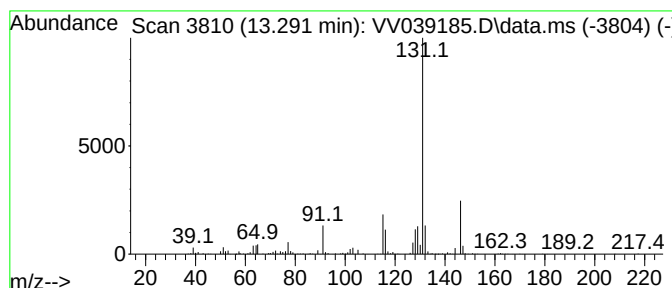
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Quant Title : SW846 8260

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

Peak Number 7 1H-Indene, 2,3-dihydro-1,6-... Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.291	11.51 ug/l	459463	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,6-dimet...	146	C11H14	017059-48-2	95
2			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	94
3			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	91
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	91
5			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

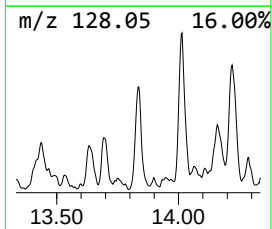
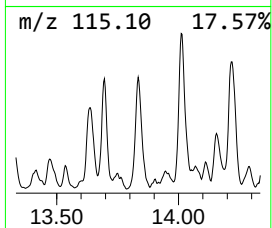
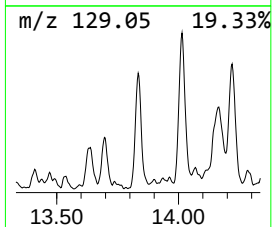
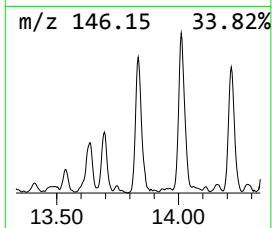
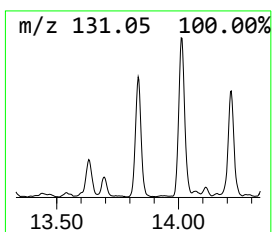
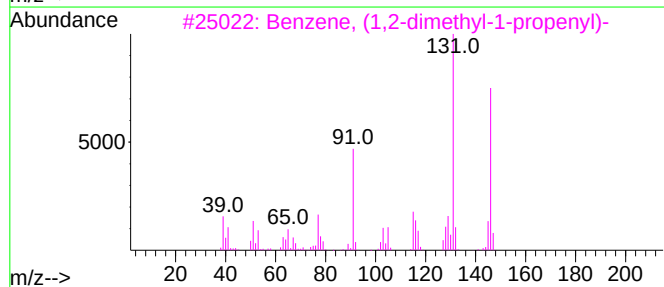
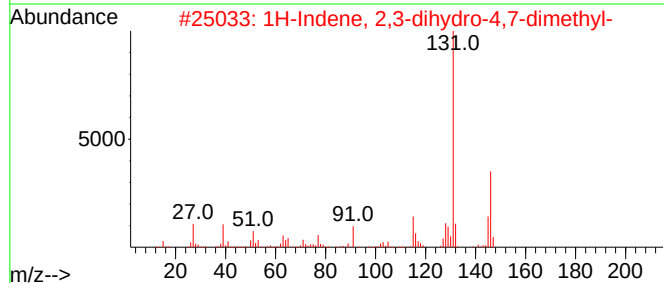
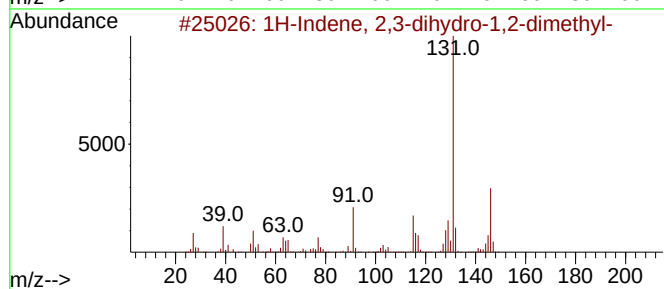
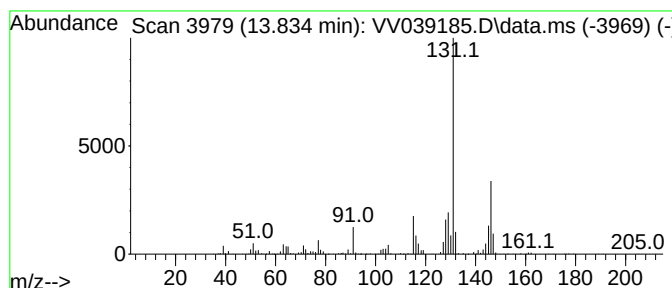
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Quant Title : SW846 8260

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

Peak Number 8 1H-Indene, 2,3-dihydro-1,2-... Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.834	12.88 ug/l	514269	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	94
2			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	93
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	90
4			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	83
5			1H-Indene, 2,3-dihydro-5,6-dimet...	146	C11H14	001075-22-5	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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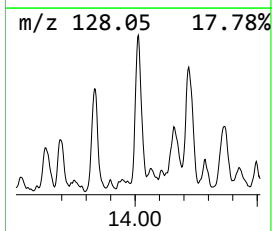
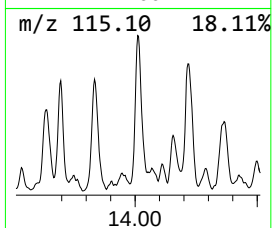
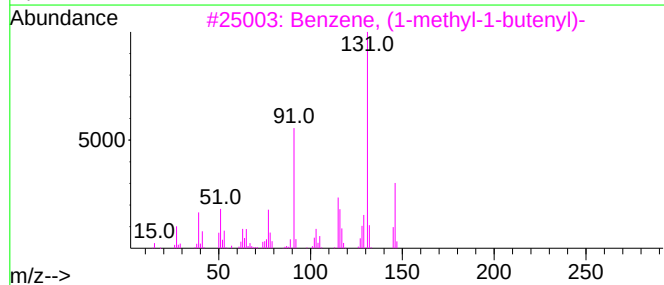
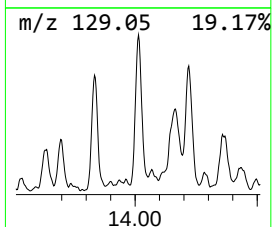
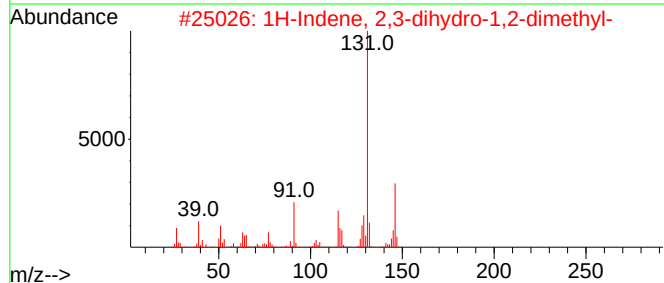
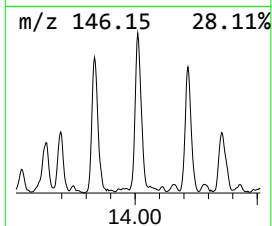
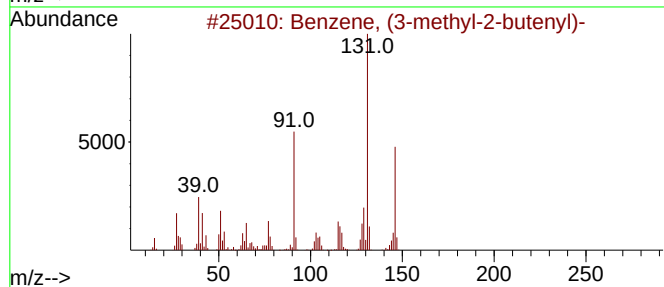
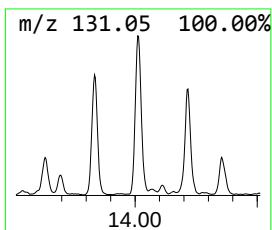
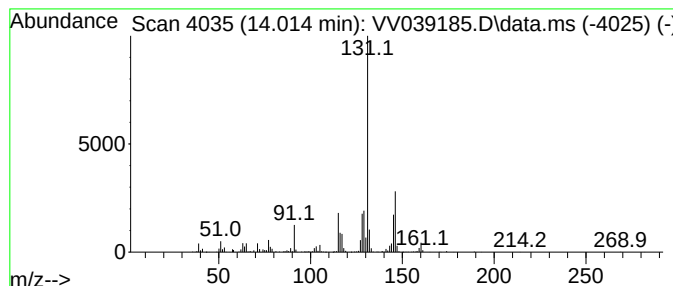
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Quant Title : SW846 8260

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

Peak Number 9 Benzene, (3-methyl-2-butenyl)- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.014	18.56 ug/l	741075	1,4-Dichlorobenzene-d4	11.175

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	91
2		1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	91
3		Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	87
4		Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	87
5		1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
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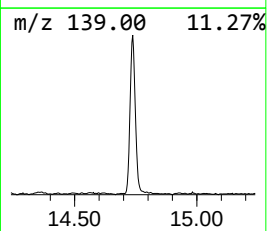
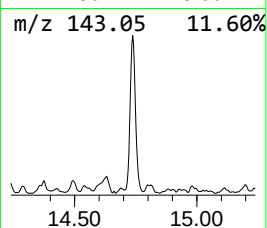
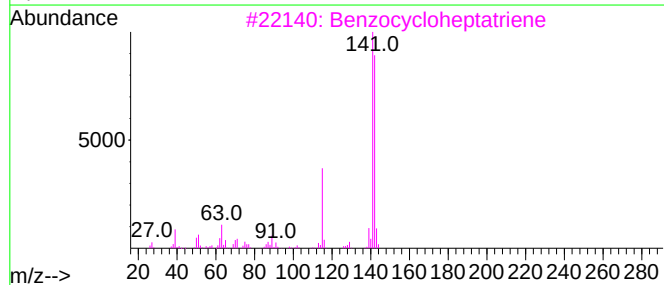
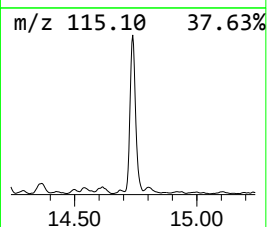
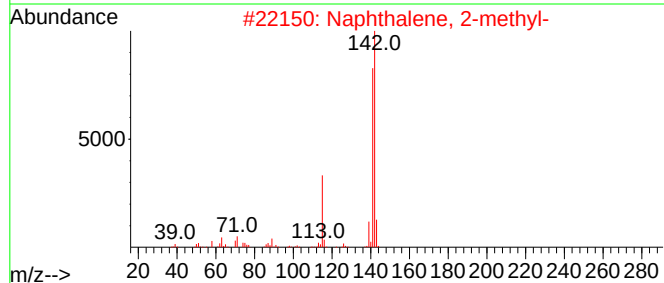
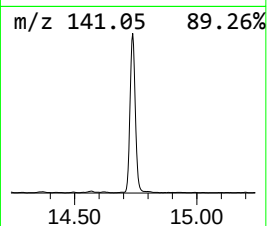
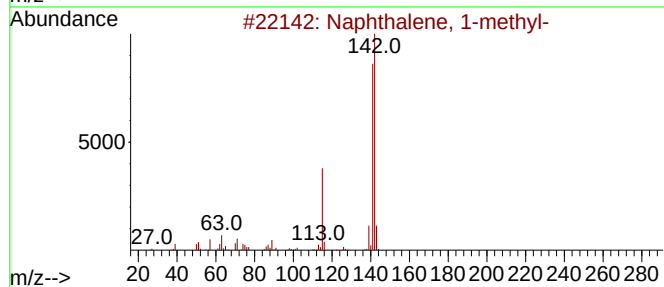
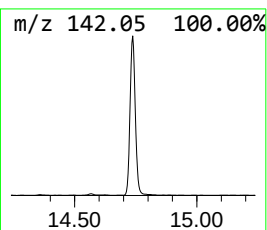
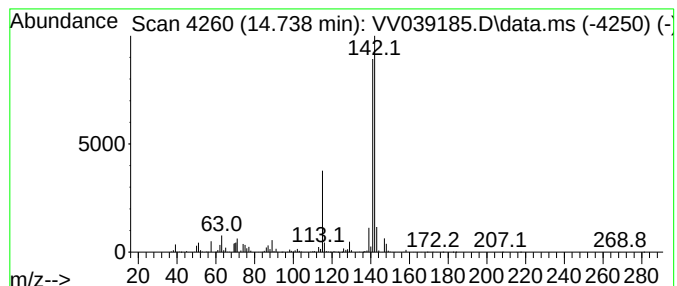
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Quant Title : SW846 8260

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

Peak Number 11 Naphthalene, 1-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.738	58.42 ug/l	2331980	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1-methyl-	142	C11H10	000090-12-0	96
2			Naphthalene, 2-methyl-	142	C11H10	000091-57-6	96
3			Benzocycloheptatriene	142	C11H10	000264-09-5	91
4			1,4-Methanonaphthalene, 1,4-dihy...	142	C11H10	004453-90-1	90
5			1H-Indene, 1-ethylidene-	142	C11H10	002471-83-2	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

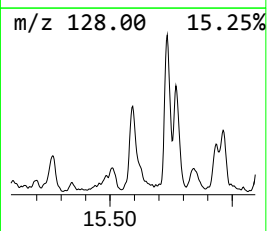
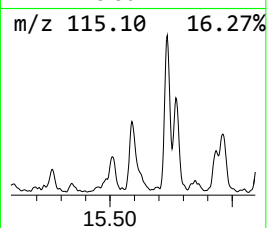
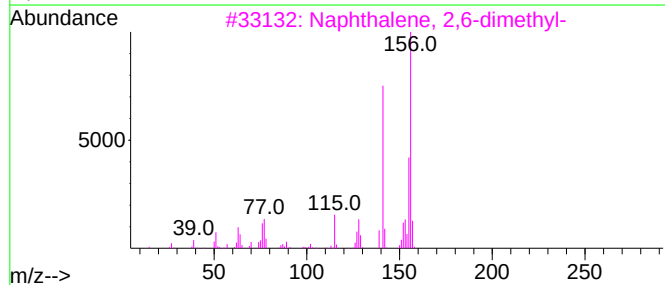
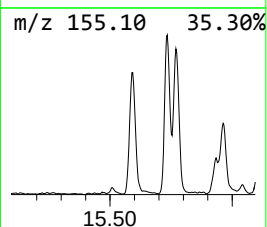
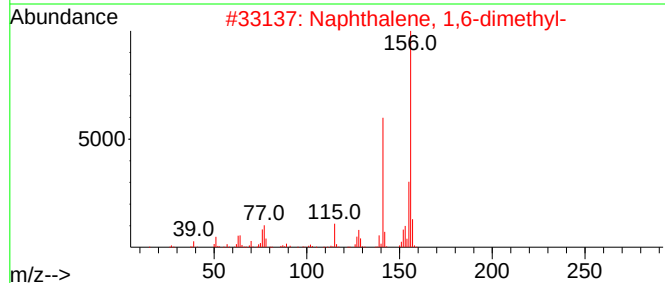
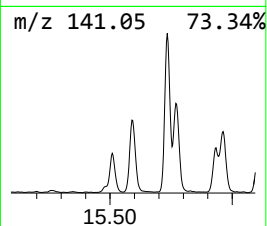
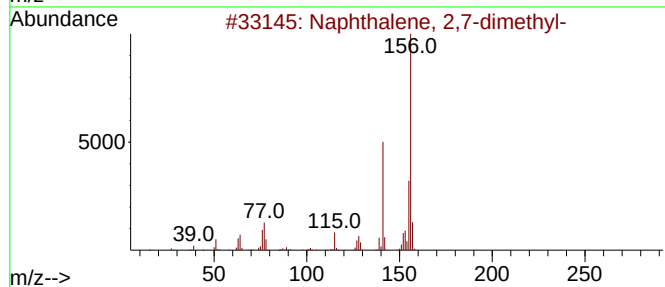
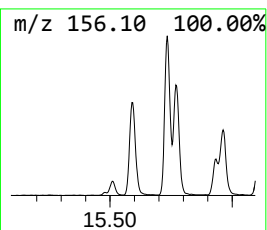
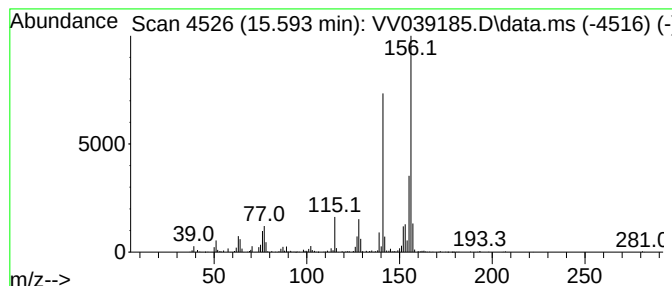
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Quant Title : SW846 8260

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

Peak Number 12 Naphthalene, 2,7-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.593	21.72 ug/l	867026	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
3			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	97
4			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

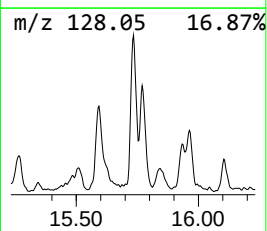
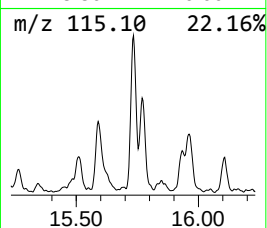
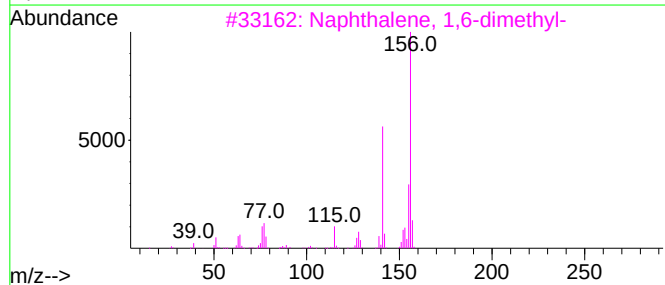
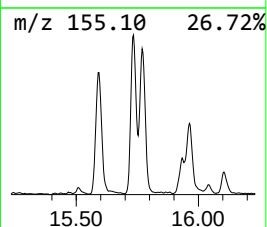
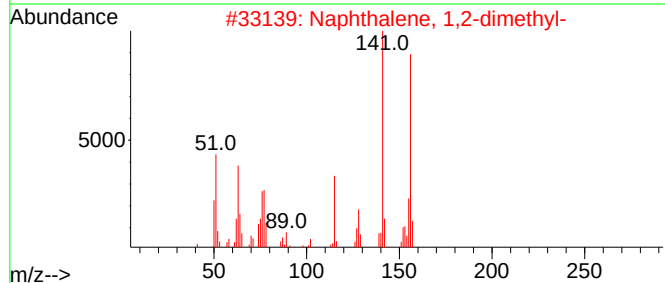
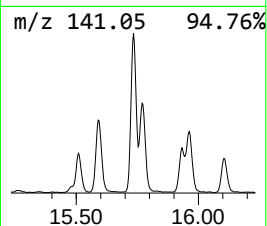
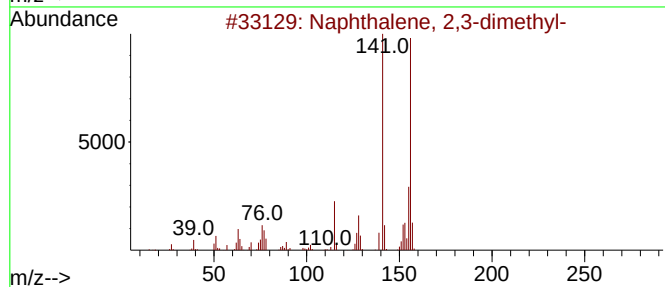
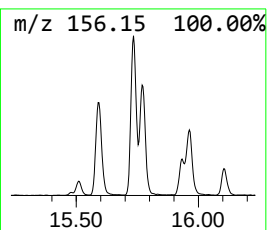
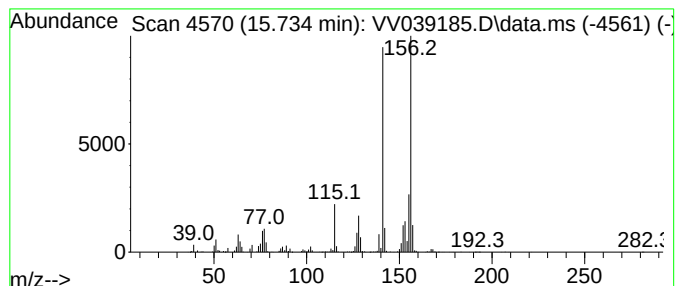
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Quant Title : SW846 8260

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

Peak Number 13 Naphthalene, 2,3-dimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.734	27.52 ug/l	1098590	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,3-dimethyl-	156	C12H12	000581-40-8	98
2			Naphthalene, 1,2-dimethyl-	156	C12H12	000573-98-8	97
3			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	97
4			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
5			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	97



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

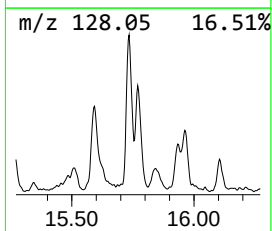
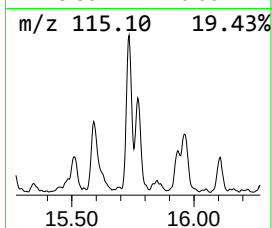
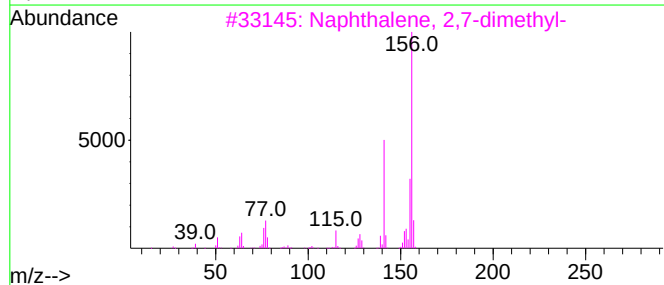
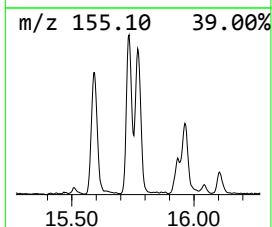
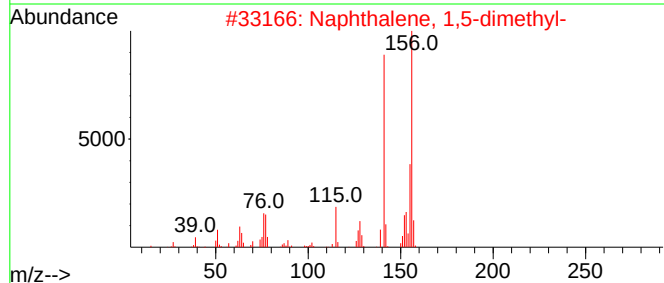
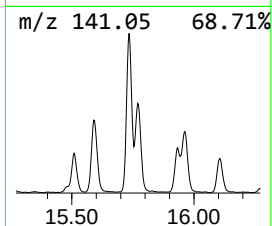
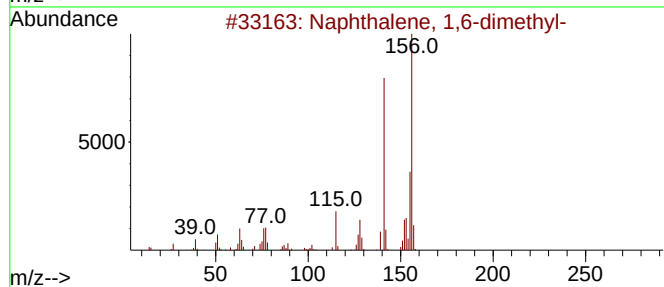
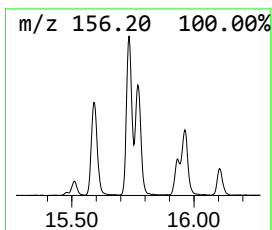
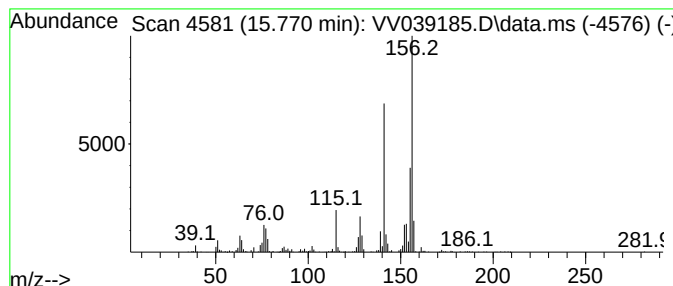
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

Peak Number 14 Naphthalene, 1,6-dimethyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.770	19.71 ug/l	786743	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	96
2			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	96
3			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	96
4			Naphthalene, 1,3-dimethyl-	156	C12H12	000575-41-7	96
5			Naphthalene, 2,6-dimethyl-	156	C12H12	000581-42-0	96



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

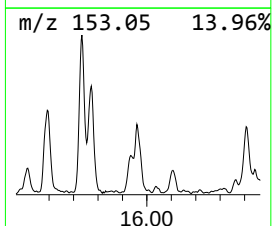
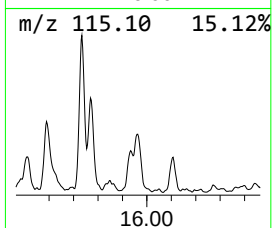
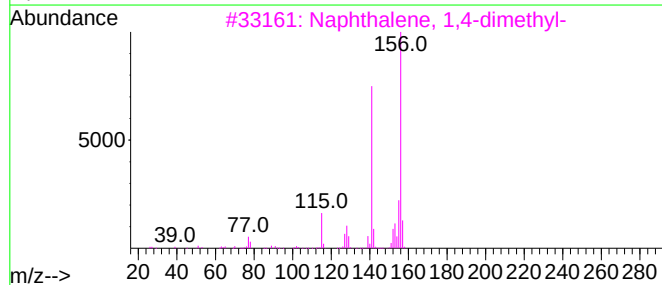
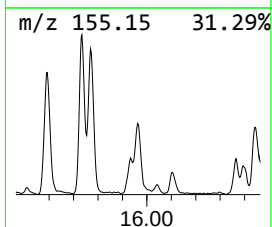
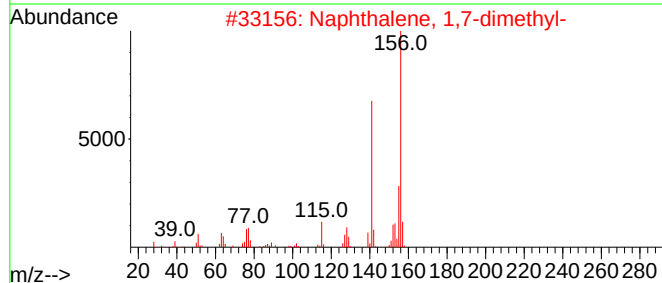
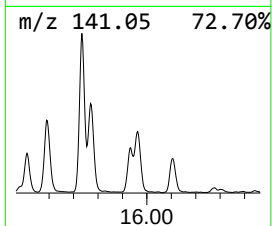
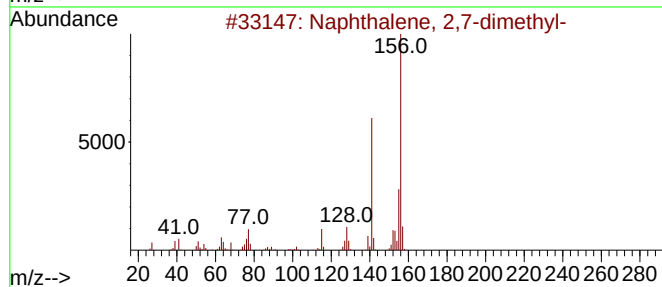
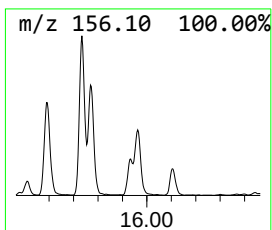
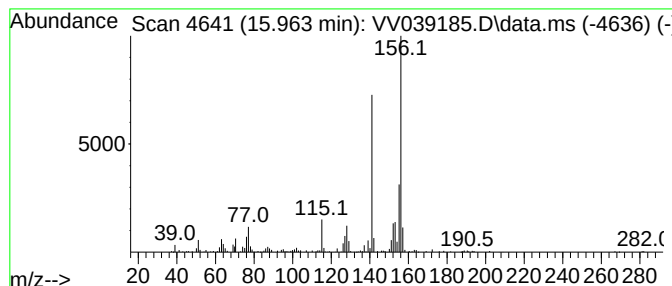
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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

Peak Number 15 Naphthalene, 1,7-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.963	11.96 ug/l	477543	1,4-Dichlorobenzene-d4	11.175

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Naphthalene, 2,7-dimethyl-	156	C12H12	000582-16-1	97
2			Naphthalene, 1,7-dimethyl-	156	C12H12	000575-37-1	96
3			Naphthalene, 1,4-dimethyl-	156	C12H12	000571-58-4	95
4			Naphthalene, 1,6-dimethyl-	156	C12H12	000575-43-9	95
5			Naphthalene, 1,5-dimethyl-	156	C12H12	000571-61-9	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039185.D
Acq On : 25 Sep 2025 16:40
Operator : SY/MD
Sample : Q3172-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 19 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
GB3W

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

TIC Library : C:\Database\NIST0.L
TIC Integration Parameters: LSCINT.P

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Indane	11.455	10.7	ug/l	424957	4	11.175	1996000	50.0
Benzene, 1-ethy...	11.943	15.6	ug/l	623277	4	11.175	1996000	50.0
Benzene, 1-ethe...	12.040	19.9	ug/l	793605	4	11.175	1996000	50.0
Benzene, 1,2,4,...	12.339	13.4	ug/l	533679	4	11.175	1996000	50.0
1H-Indene, 2,3-...	13.291	11.5	ug/l	459463	4	11.175	1996000	50.0
1H-Indene, 2,3-...	13.834	12.9	ug/l	514269	4	11.175	1996000	50.0
Benzene, (3-met...	14.014	18.6	ug/l	741075	4	11.175	1996000	50.0
Naphthalene, 1-...	14.738	58.4	ug/l	2331980	4	11.175	1996000	50.0
Naphthalene, 2,...	15.593	21.7	ug/l	867026	4	11.175	1996000	50.0
Naphthalene, 2,...	15.734	27.5	ug/l	1098590	4	11.175	1996000	50.0
Naphthalene, 1,...	15.770	19.7	ug/l	786743	4	11.175	1996000	50.0
Naphthalene, 1,...	15.963	12.0	ug/l	477543	4	11.175	1996000	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Sep 25 04:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	463770	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	858892	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	831675	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	379013	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	417696	62.230	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	124.460%#
35) Dibromofluoromethane	4.497	113	376781	54.568	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	109.140%
50) Toluene-d8	7.236	98	894968	44.132	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.260%#
62) 4-Bromofluorobenzene	10.001	95	400947	48.026	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	96.060%

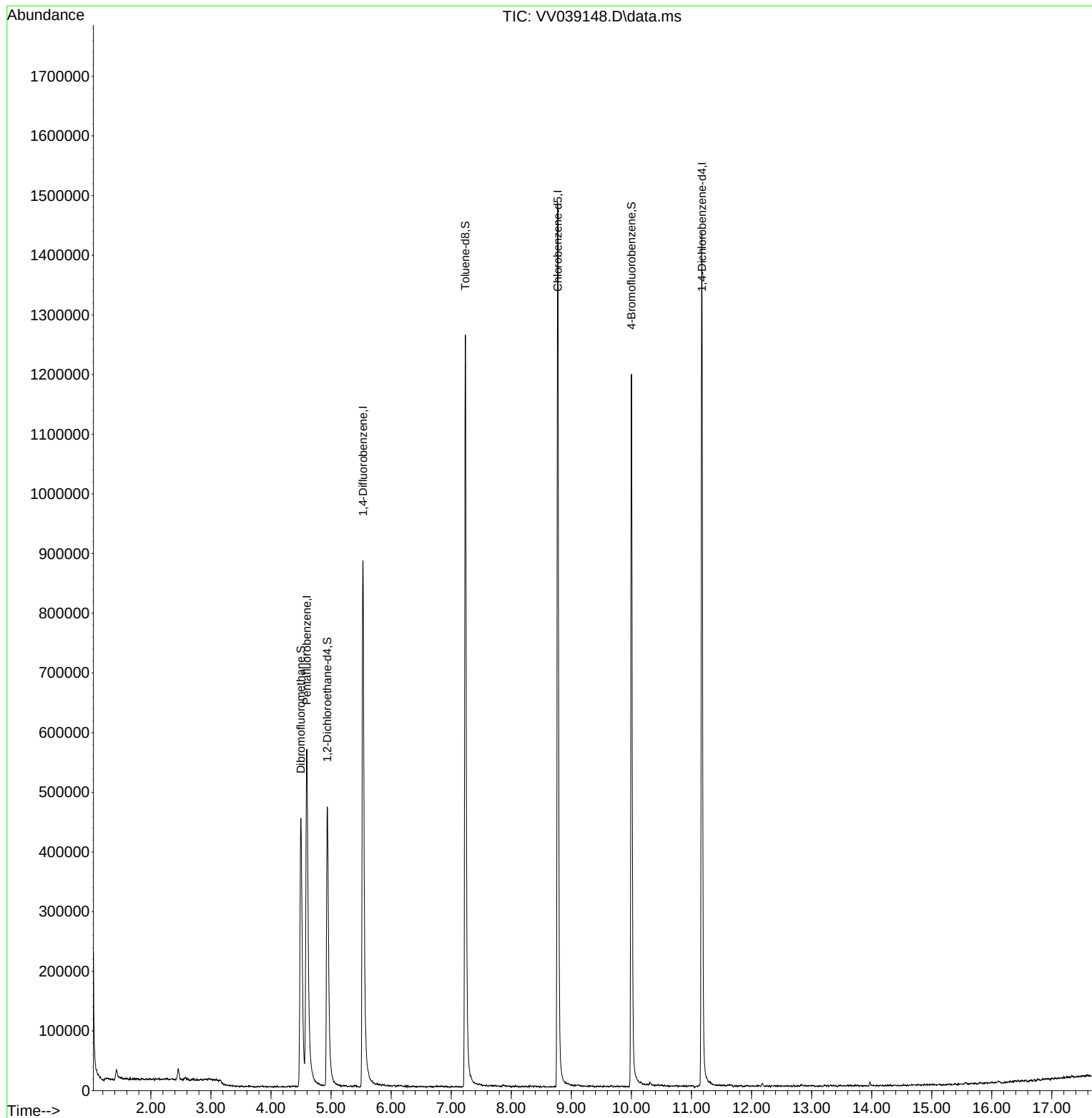
Target Compounds	Qvalue

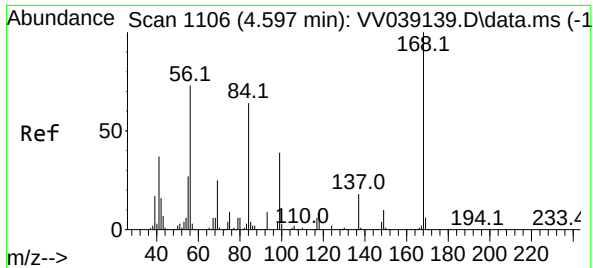
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Time: Sep 25 04:44:19 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

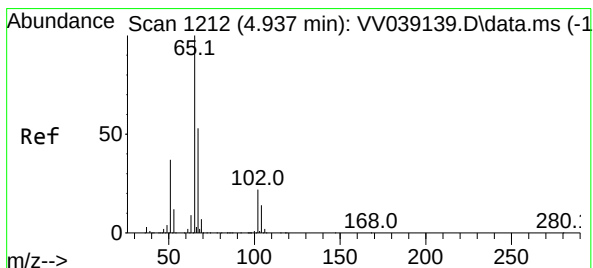
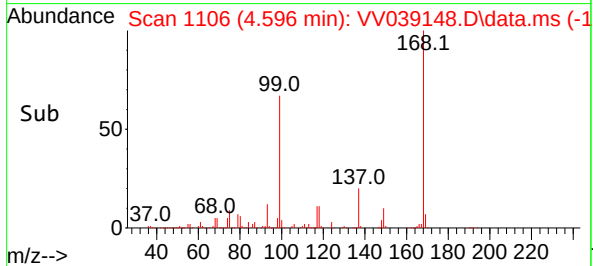
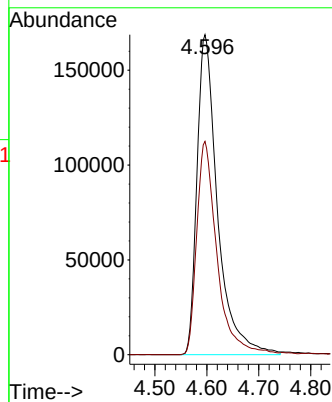
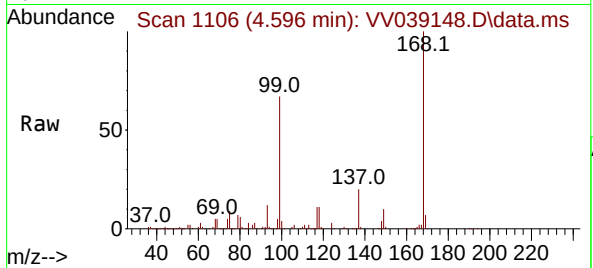




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 1106
Delta R.T. -0.001 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

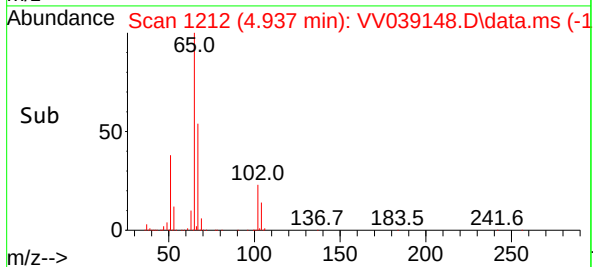
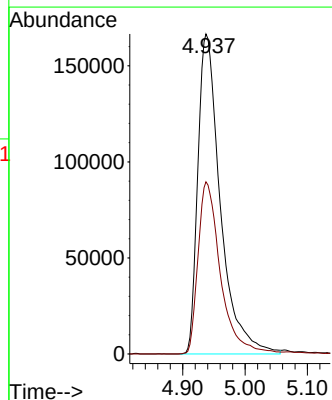
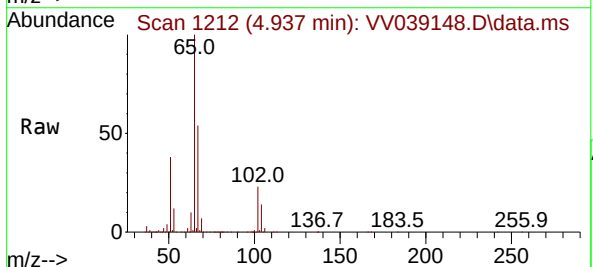
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

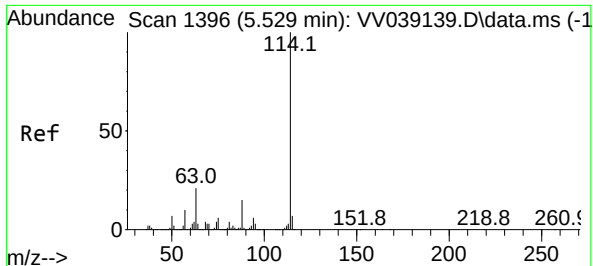
Tgt Ion:168 Resp: 463770
Ion Ratio Lower Upper
168 100
99 66.7 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 62.230 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 65 Resp: 417696
Ion Ratio Lower Upper
65 100
67 53.6 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 114

Delta R.T. 0.003 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

Instrument :

MSVOA_V

ClientSampleId :

VV0924WBL01

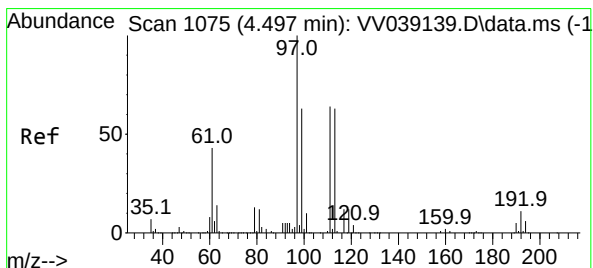
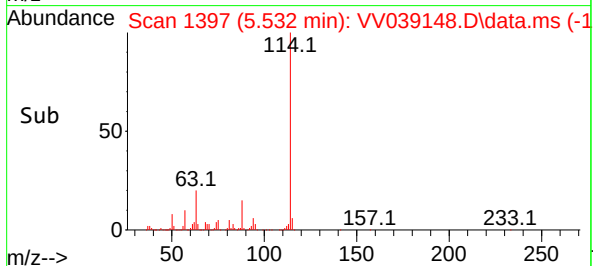
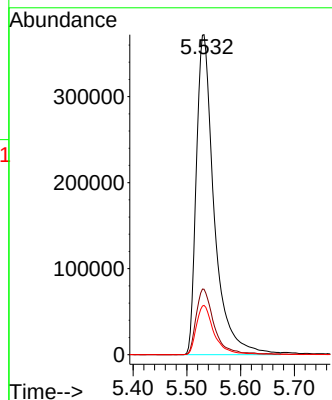
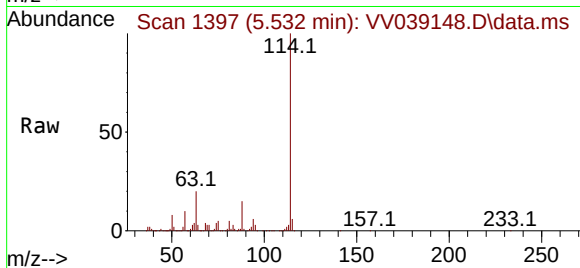
Tgt Ion:114 Resp: 858892

Ion Ratio Lower Upper

114 100

63 20.4 0.0 42.6

88 15.4 0.0 30.8



#35

Dibromofluoromethane

Concen: 54.568 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.000 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

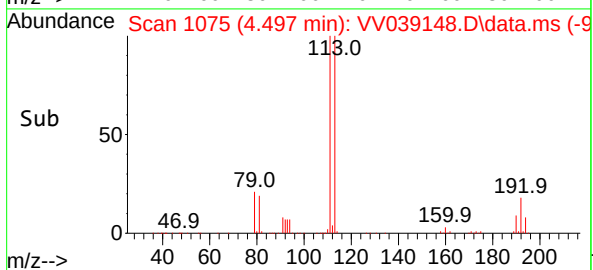
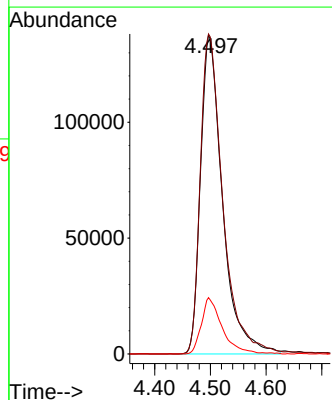
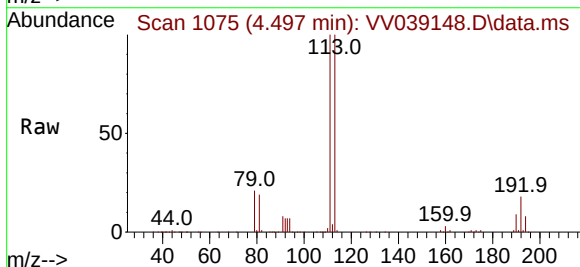
Tgt Ion:113 Resp: 376781

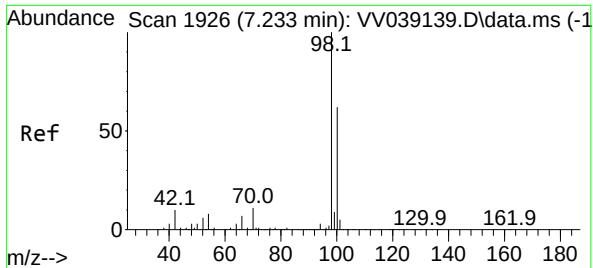
Ion Ratio Lower Upper

113 100

111 102.7 82.4 123.6

192 16.6 13.8 20.8

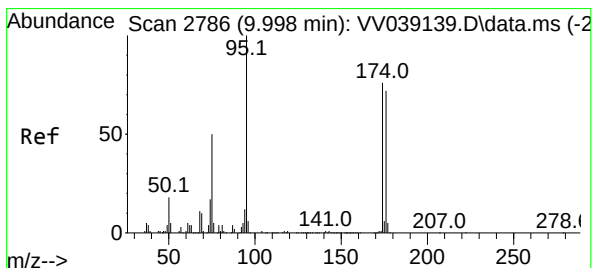
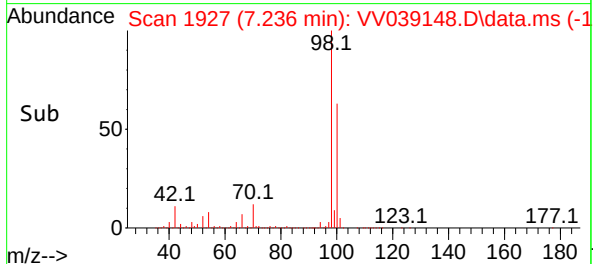
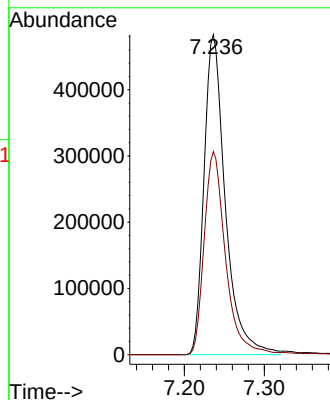
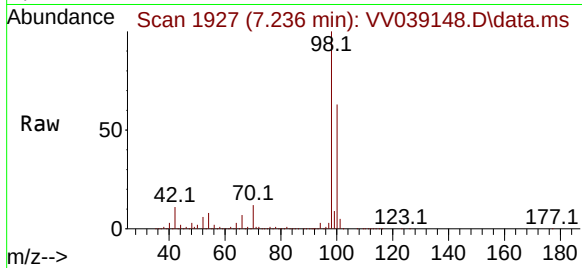




#50
Toluene-d8
Concen: 44.132 ug/l
RT: 7.236 min Scan# 1926
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

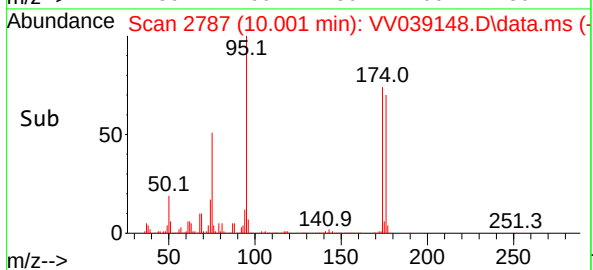
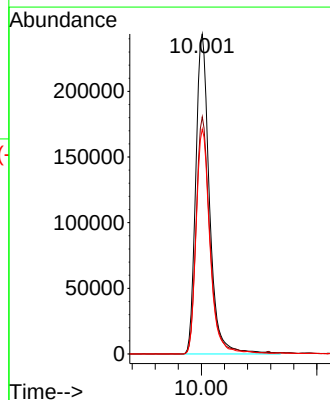
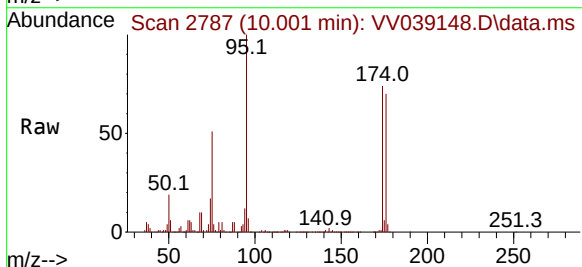
Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

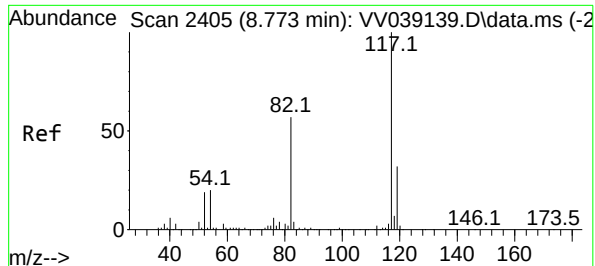
Tgt Ion: 98 Resp: 894968
Ion Ratio Lower Upper
98 100
100 63.4 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 48.026 ug/l
RT: 10.001 min Scan# 2787
Delta R.T. 0.003 min
Lab File: VV039148.D
Acq: 24 Sep 2025 13:09

Tgt Ion: 95 Resp: 400947
Ion Ratio Lower Upper
95 100
174 74.8 0.0 150.4
176 70.4 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. 0.000 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

Instrument :

MSVOA_V

ClientSampleId :

VV0924WBL01

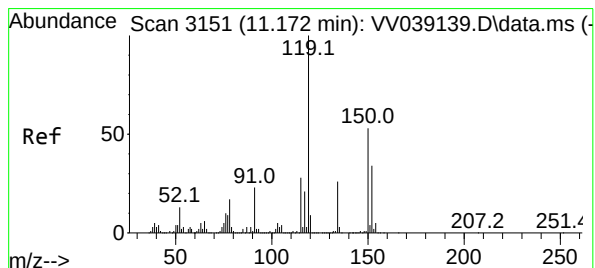
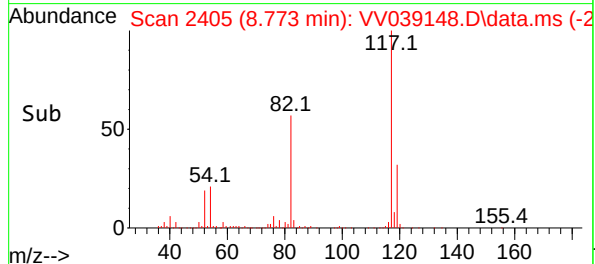
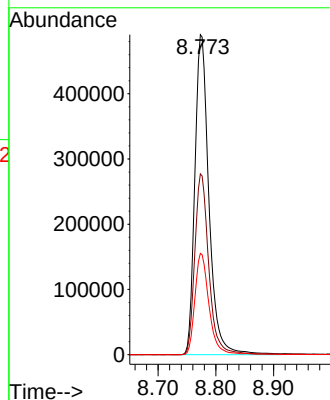
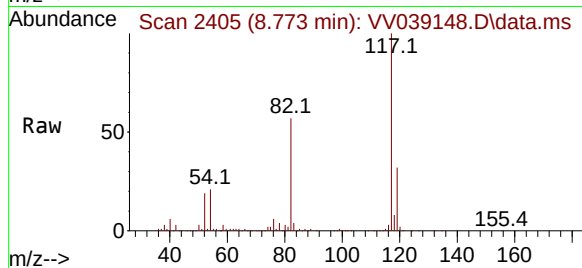
Tgt Ion:117 Resp: 831675

Ion Ratio Lower Upper

117 100

82 56.5 45.4 68.2

119 31.7 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039148.D

Acq: 24 Sep 2025 13:09

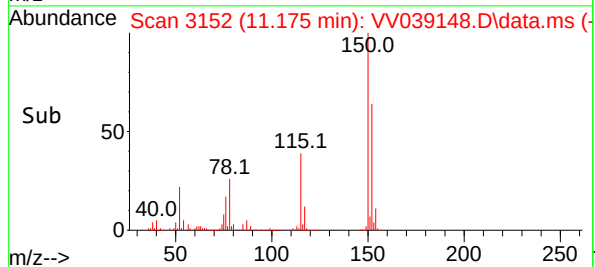
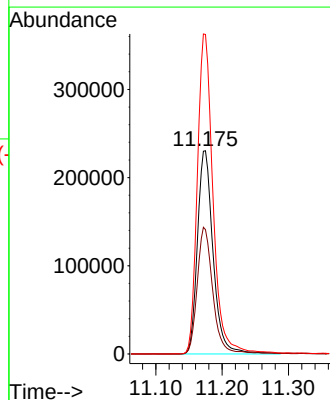
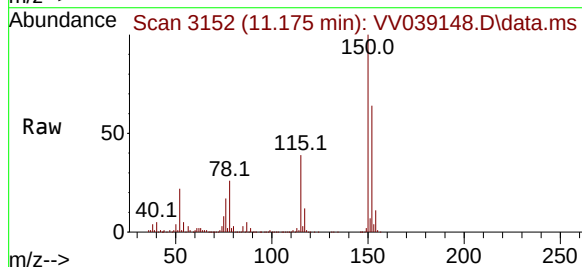
Tgt Ion:152 Resp: 379013

Ion Ratio Lower Upper

152 100

115 61.8 44.8 134.4

150 157.4 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

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_V\Method\82V092225W.M

Title : SW846 8260

Signal : TIC: VV039148.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.426	111	120	130	rBV5	16630	35090	1.38%	0.230%
2	2.455	433	440	451	rVB4	18087	31588	1.24%	0.207%
3	4.497	1057	1075	1094	rBV2	450386	1192254	46.76%	7.800%
4	4.596	1094	1106	1145	rVB2	557832	1545205	60.61%	10.110%
5	4.937	1195	1212	1245	rBV	467561	1171324	45.94%	7.664%
6	5.532	1383	1397	1433	rBV	882266	2082399	81.67%	13.624%
7	7.236	1915	1927	1952	rBV	1260224	2372338	93.05%	15.521%
8	8.773	2395	2405	2443	rBV	1482069	2549623	100.00%	16.681%
9	10.001	2776	2787	2809	rBV	1194118	1970915	77.30%	12.895%
10	11.172	3140	3151	3175	rBV	1430252	2333631	91.53%	15.268%

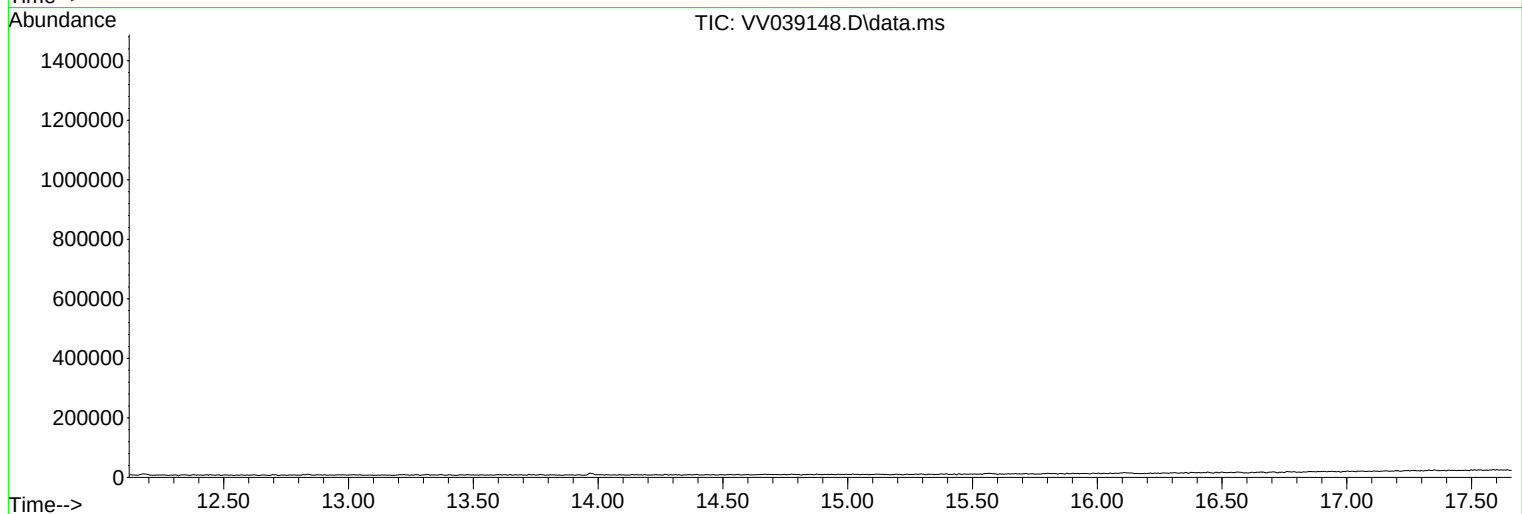
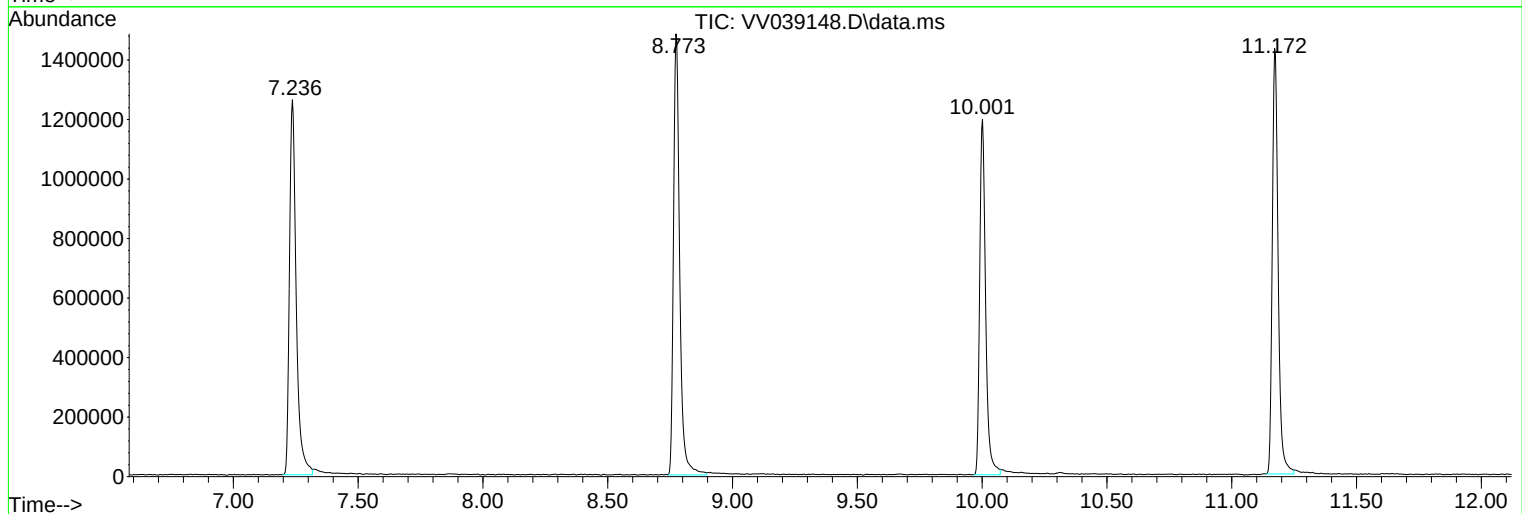
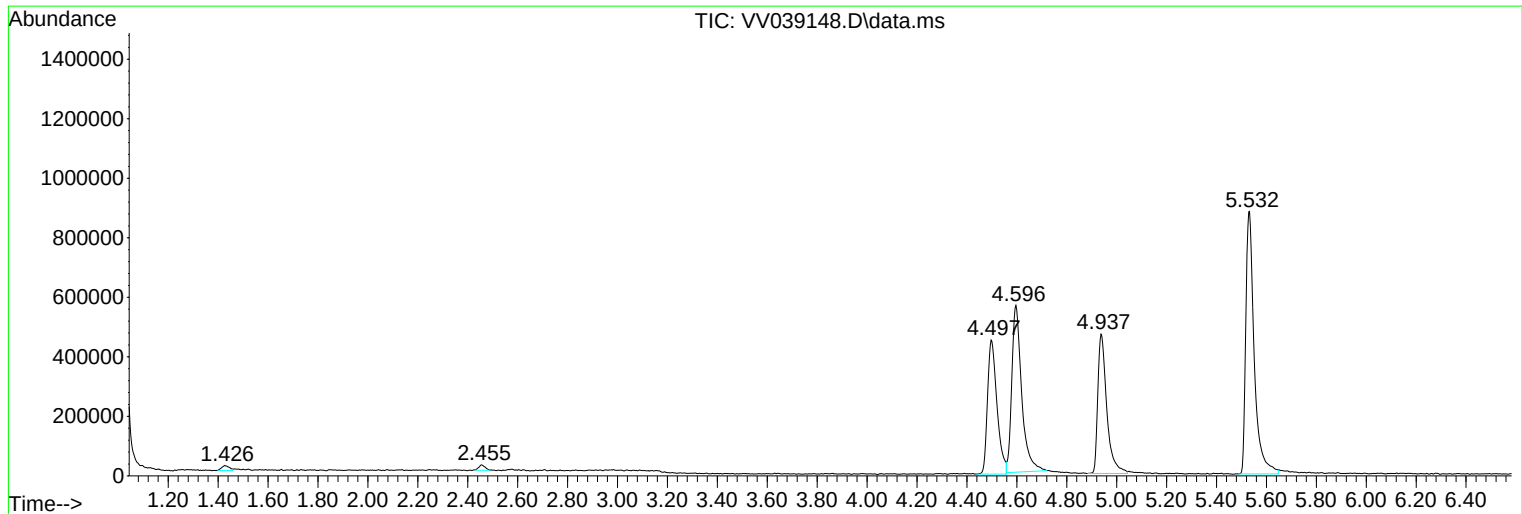
Sum of corrected areas: 15284367

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
Data File : VV039148.D
Acq On : 24 Sep 2025 13:09
Operator : SY/MD
Sample : VV0924WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBL01

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

Quant Time: Sep 26 01:20:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.597	168	480047	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	864912	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	870930	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.175	152	413592	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	417535	60.097	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	120.200%#
35) Dibromofluoromethane	4.500	113	370419	53.273	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	106.540%
50) Toluene-d8	7.236	98	965988	47.302	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	94.600%
62) 4-Bromofluorobenzene	10.001	95	371030	44.133	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	88.260%

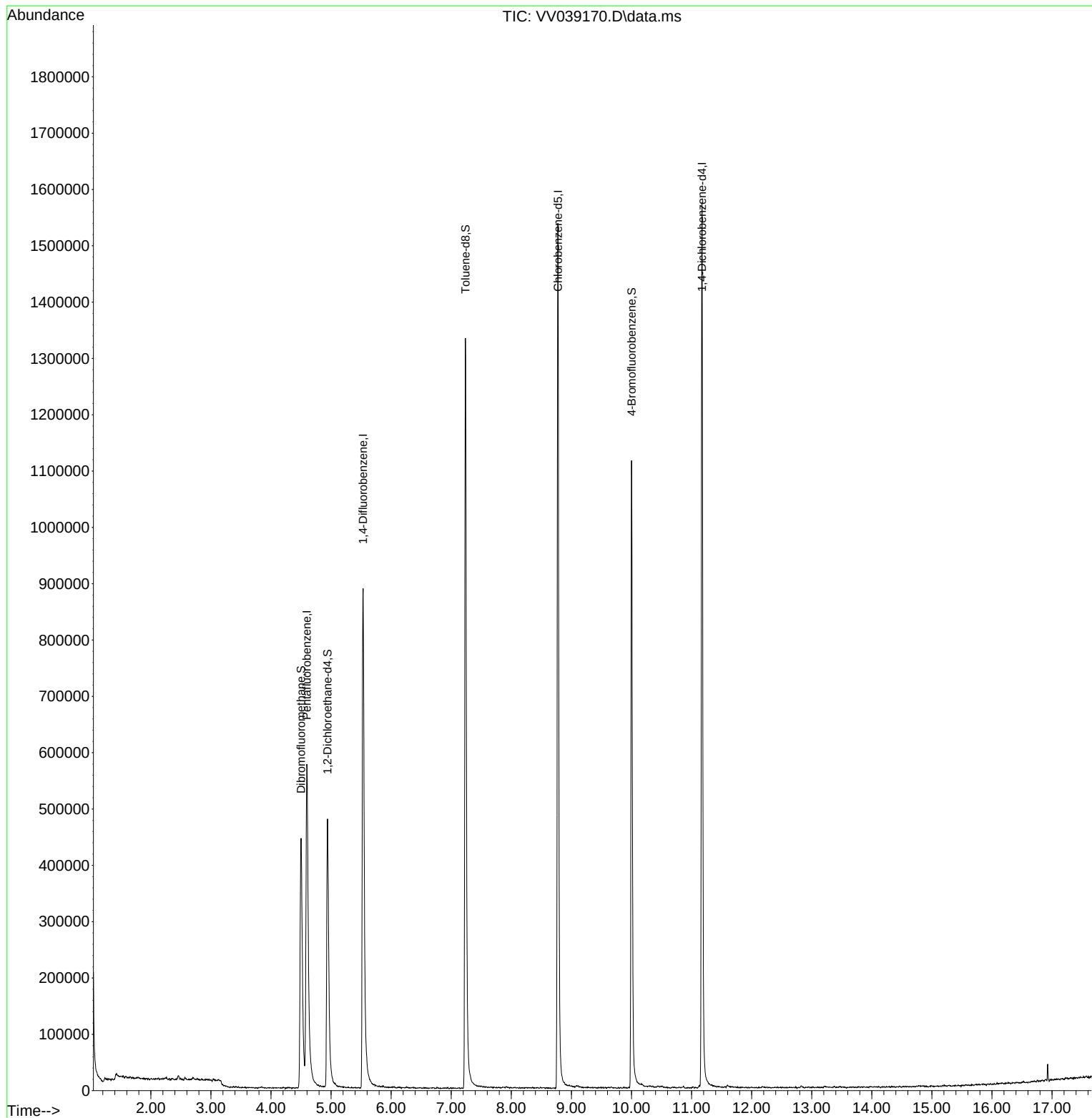
Target Compounds	Qvalue
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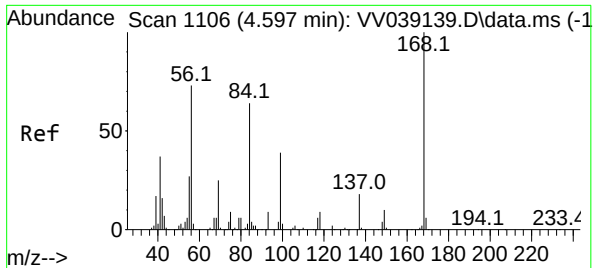
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

Quant Time: Sep 26 01:20:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

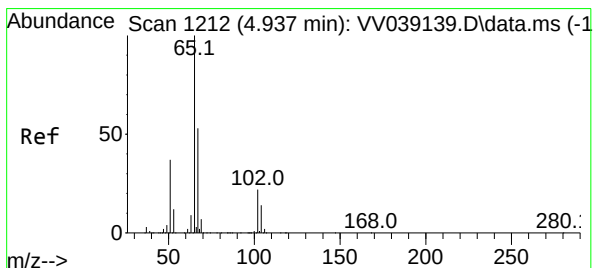
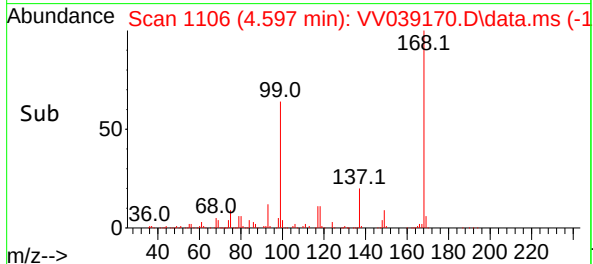
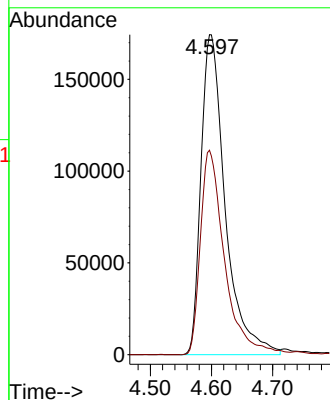
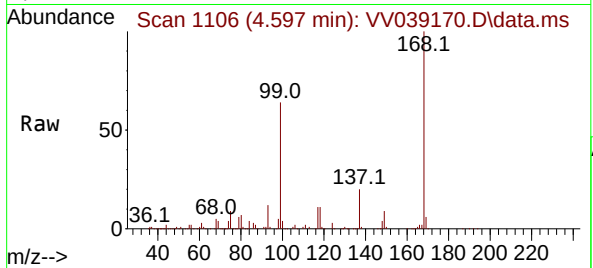




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.000 min
Lab File: VV039170.D
Acq: 25 Sep 2025 11:01

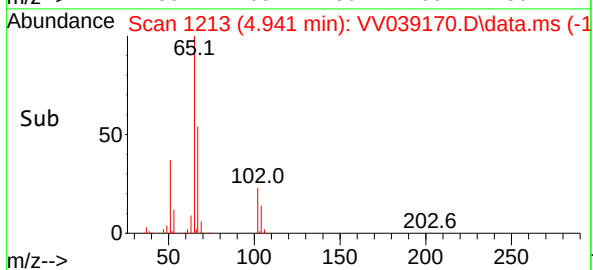
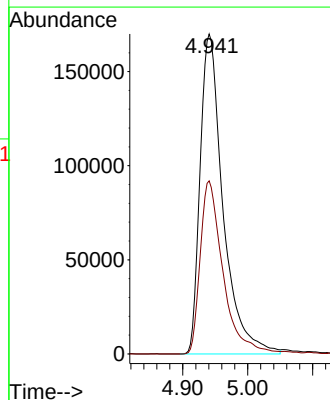
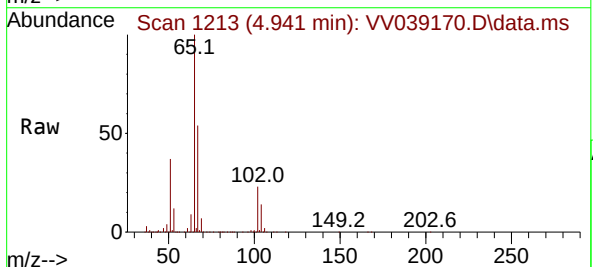
Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

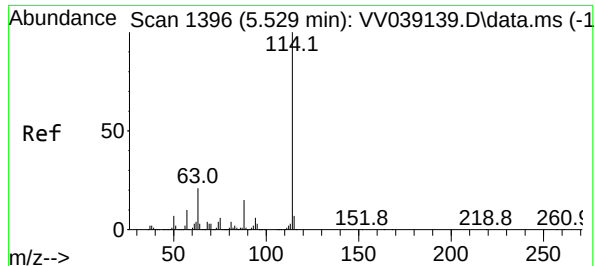
Tgt Ion:168 Resp: 480047
Ion Ratio Lower Upper
168 100
99 63.9 49.6 74.4



#33
1,2-Dichloroethane-d4
Concen: 60.097 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.003 min
Lab File: VV039170.D
Acq: 25 Sep 2025 11:01

Tgt Ion: 65 Resp: 417535
Ion Ratio Lower Upper
65 100
67 54.2 0.0 107.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

Instrument :

MSVOA_V

ClientSampleId :

VV0925WBL01

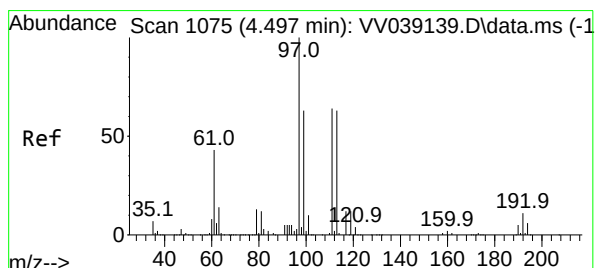
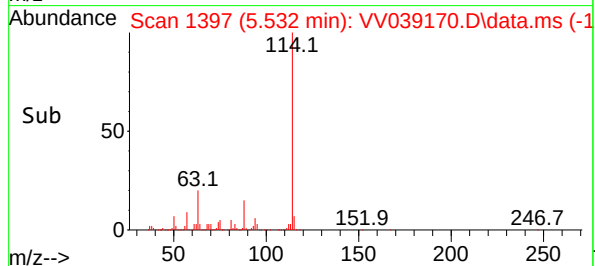
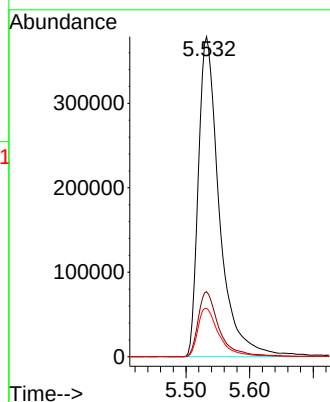
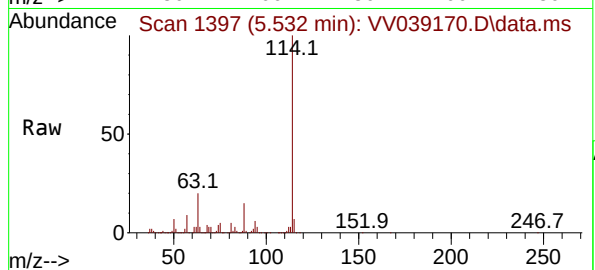
Tgt Ion:114 Resp: 864912

Ion Ratio Lower Upper

114 100

63 20.3 0.0 42.6

88 15.1 0.0 30.8



#35

Dibromofluoromethane

Concen: 53.273 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

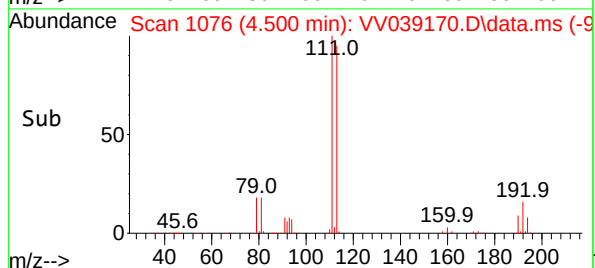
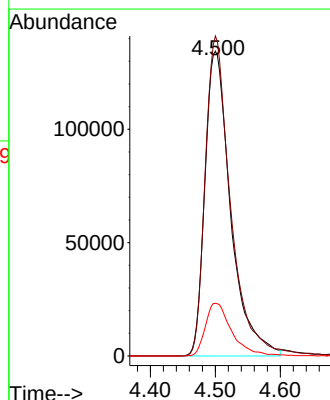
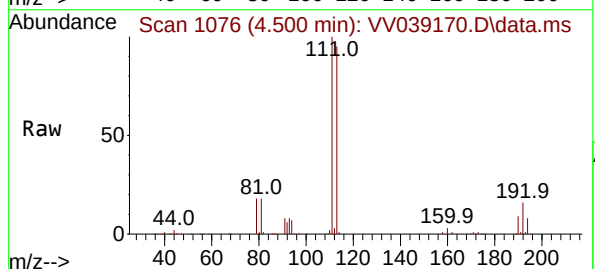
Tgt Ion:113 Resp: 370419

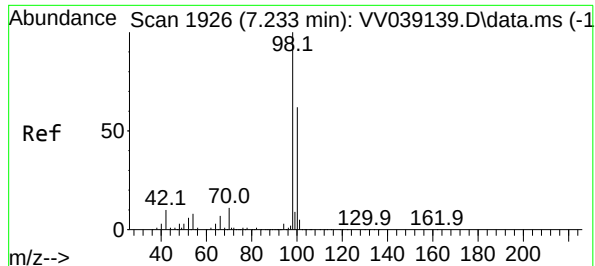
Ion Ratio Lower Upper

113 100

111 104.0 82.4 123.6

192 17.8 13.8 20.8





#50

Toluene-d8

Concen: 47.302 ug/l

RT: 7.236 min Scan# 1926

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

Instrument :

MSVOA_V

ClientSampleId :

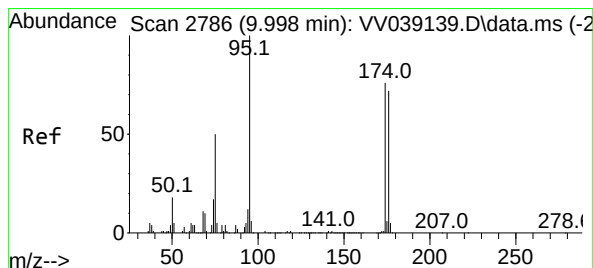
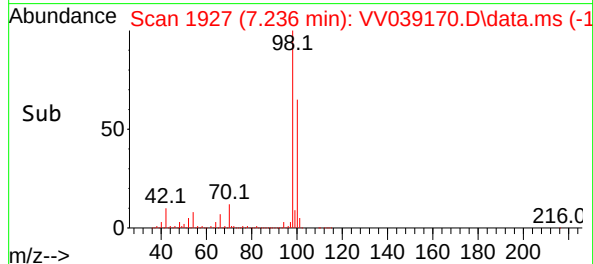
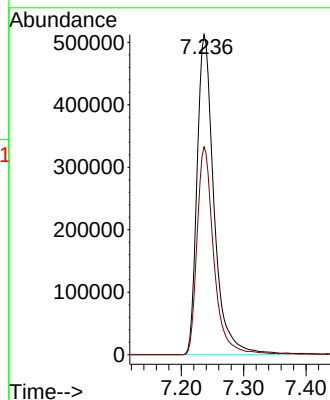
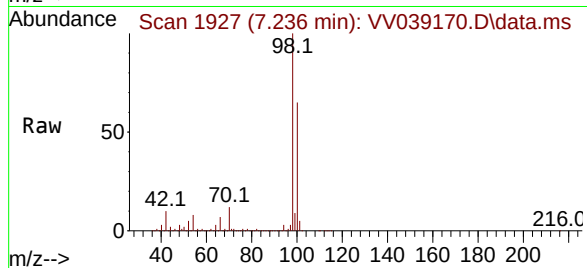
VV0925WBL01

Tgt Ion: 98 Resp: 965988

Ion Ratio Lower Upper

98 100

100 64.0 52.2 78.2



#62

4-Bromofluorobenzene

Concen: 44.133 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

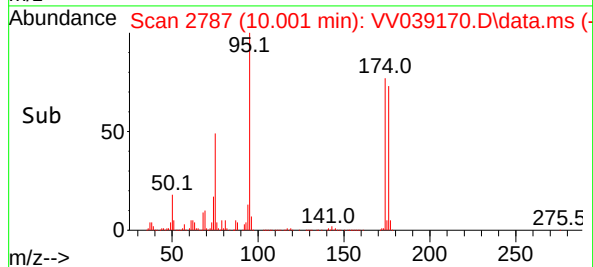
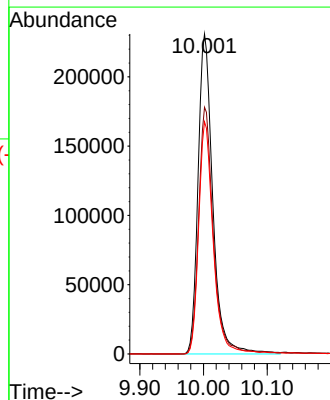
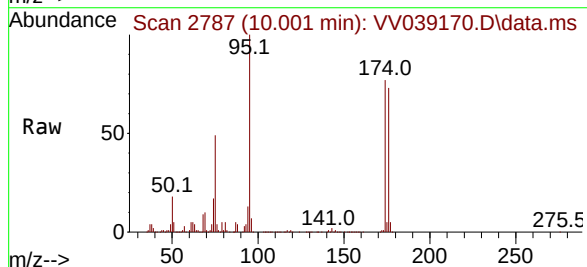
Tgt Ion: 95 Resp: 371030

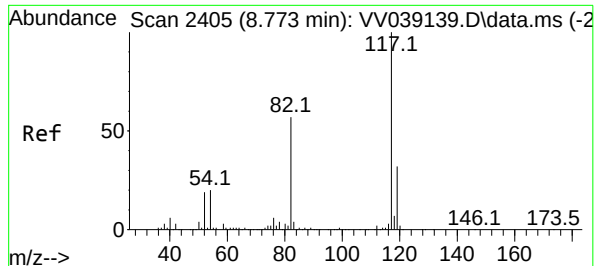
Ion Ratio Lower Upper

95 100

174 77.2 0.0 150.4

176 71.4 0.0 144.2





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.776 min Scan# 2405

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

Instrument :

MSVOA_V

ClientSampleId :

VV0925WBL01

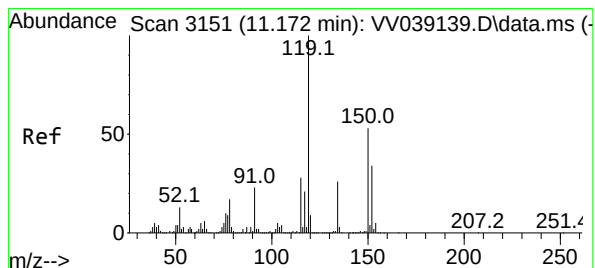
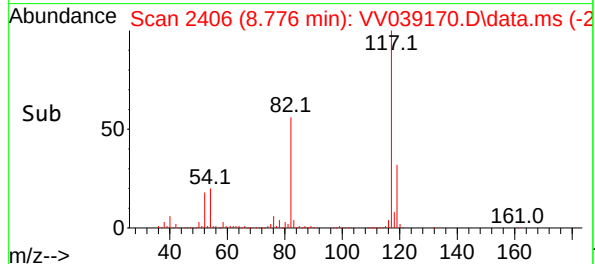
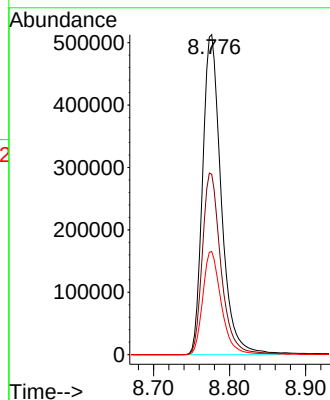
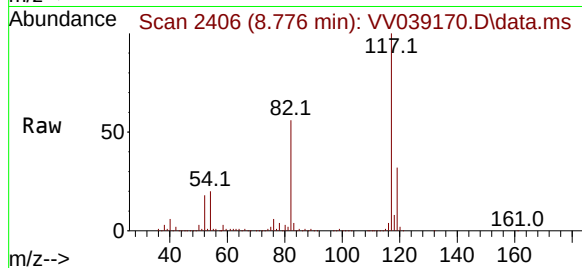
Tgt Ion:117 Resp: 870930

Ion Ratio Lower Upper

117 100

82 56.4 45.4 68.2

119 32.3 25.6 38.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.175 min Scan# 3152

Delta R.T. 0.003 min

Lab File: VV039170.D

Acq: 25 Sep 2025 11:01

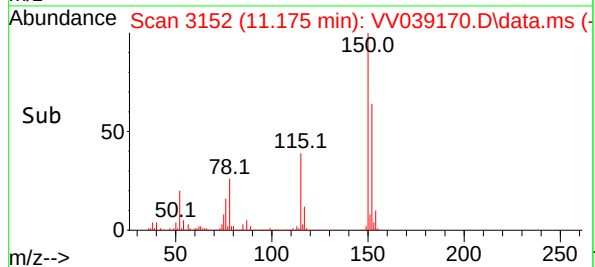
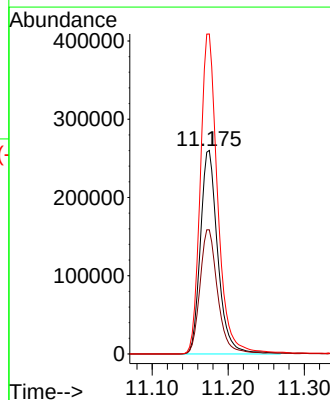
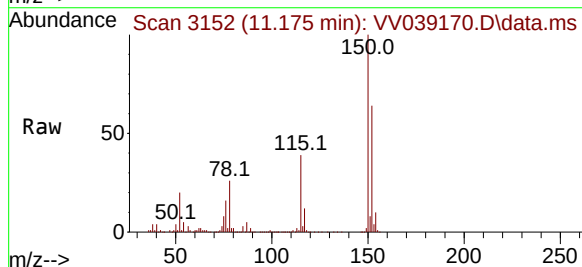
Tgt Ion:152 Resp: 413592

Ion Ratio Lower Upper

152 100

115 62.1 44.8 134.4

150 158.0 0.0 353.8



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

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_V\Method\82V092225W.M

Title : SW846 8260

Signal : TIC: VV039170.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.500	1060	1076	1095	rBV	443480	1175595	44.03%	7.554%
2	4.597	1095	1106	1148	rVB	568175	1566147	58.66%	10.064%
3	4.941	1200	1213	1243	rBV	475406	1163011	43.56%	7.473%
4	5.532	1383	1397	1436	rBV	887588	2082143	77.99%	13.379%
5	7.236	1916	1927	1970	rBV	1332205	2555376	95.72%	16.420%
6	8.773	2395	2405	2437	rBV	1535667	2669706	100.00%	17.155%
7	10.001	2776	2787	2816	rBV	1114083	1822624	68.27%	11.712%
8	11.172	3140	3151	3183	rBV	1569081	2527734	94.68%	16.243%

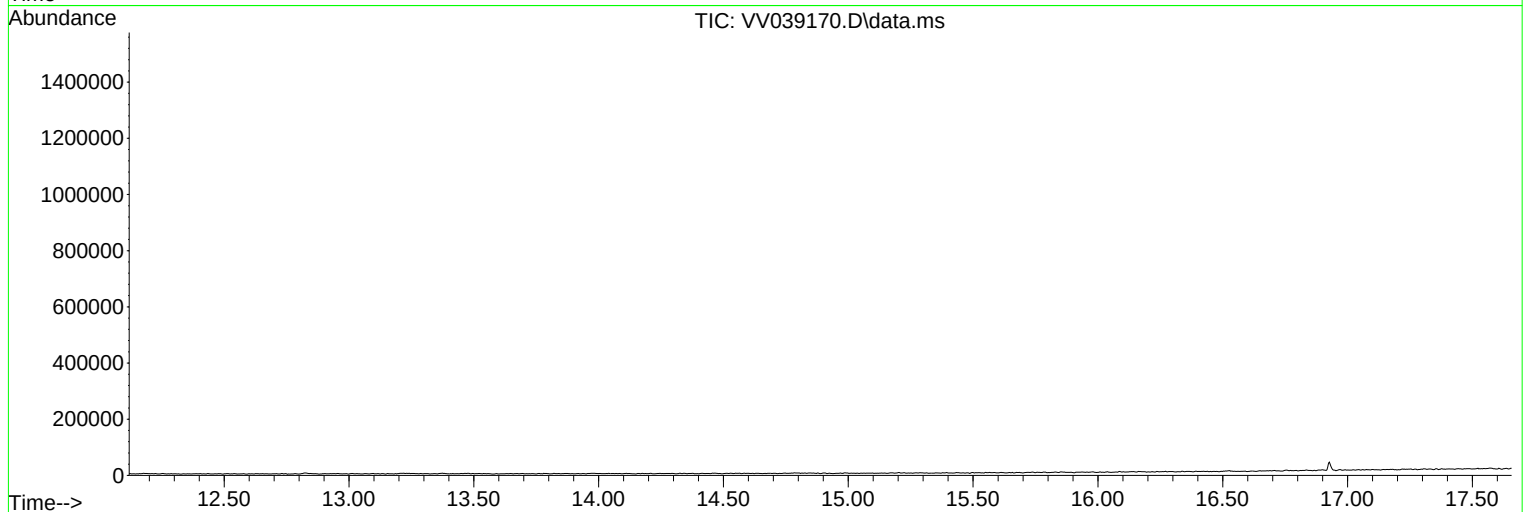
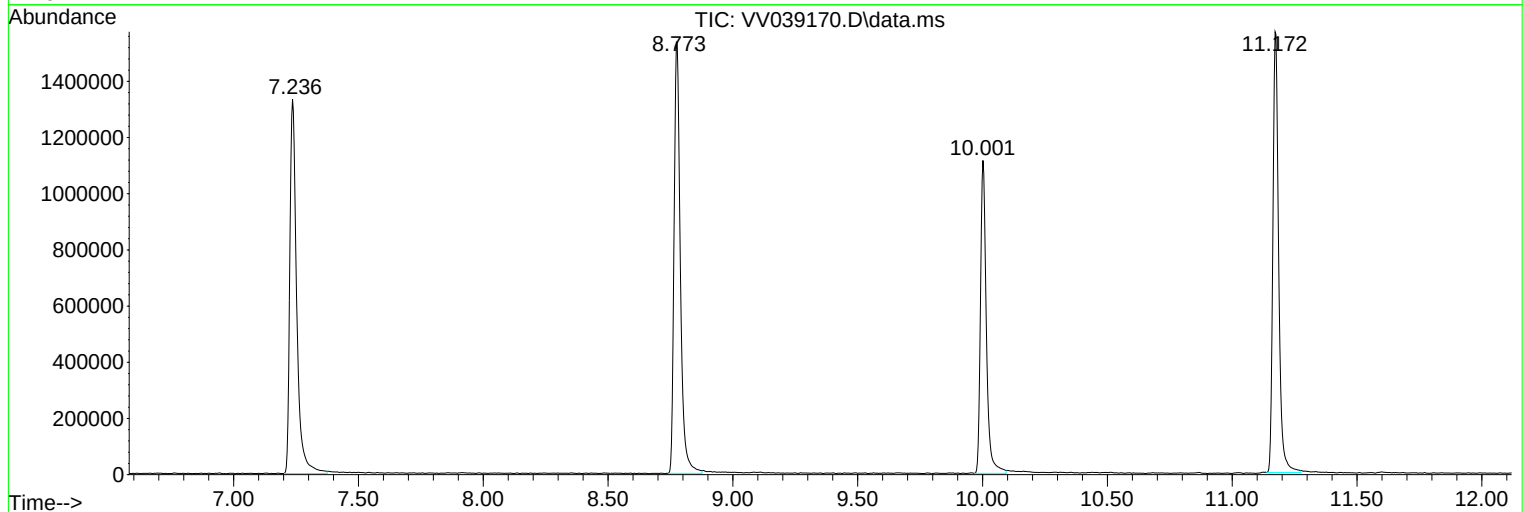
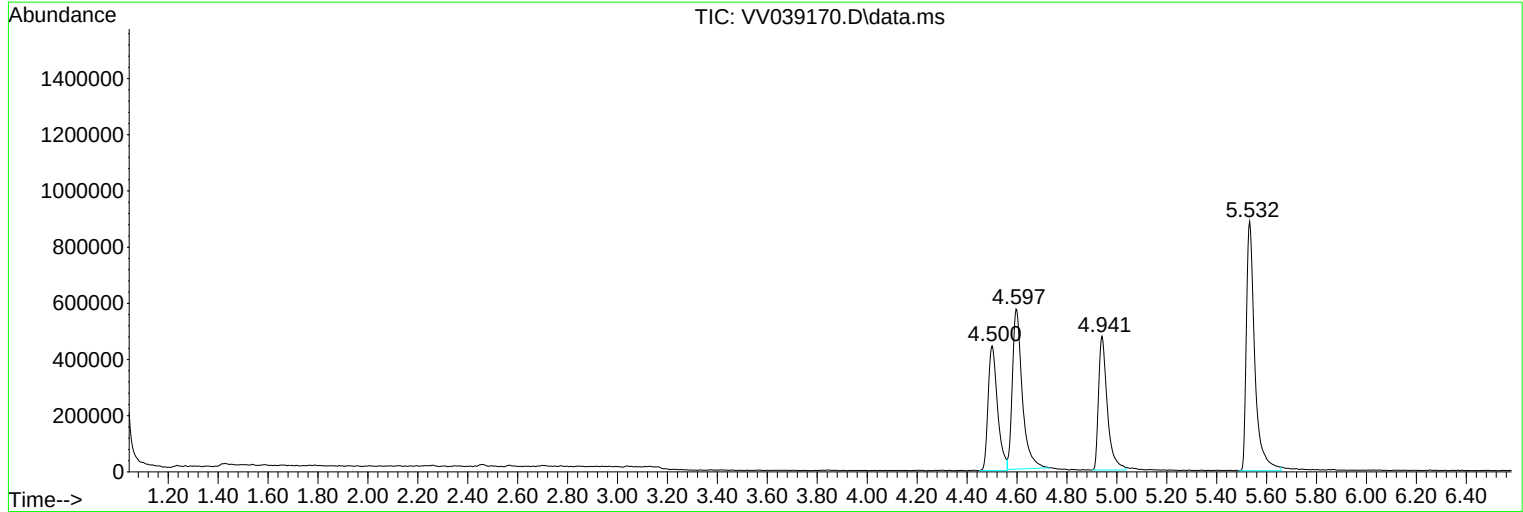
Sum of corrected areas: 15562336

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092525\
Data File : VV039170.D
Acq On : 25 Sep 2025 11:01
Operator : SY/MD
Sample : VV0925WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.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_V\DATA\VV092425\
 Data File : VV039150.D
 Acq On : 24 Sep 2025 14:01
 Operator : SY/MD
 Sample : VV0924WBS02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	492318	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	795602	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	784865	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	468522	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	349518	49.053	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	98.100%
35) Dibromofluoromethane	4.500	113	319944	50.023	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.040%
50) Toluene-d8	7.236	98	929285	49.469	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	98.940%
62) 4-Bromofluorobenzene	10.002	95	402187	52.007	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	104.020%

Target Compounds					Qvalue	
2) Dichlorodifluoromethane	1.121	85	148756	19.087	ug/l	99
3) Chloromethane	1.230	50	159926	19.115	ug/l	98
4) Vinyl Chloride	1.298	62	173519	19.373	ug/l	100
5) Bromomethane	1.497	94	117993	20.897	ug/l	100
6) Chloroethane	1.561	64	117810	21.073	ug/l	99
7) Trichlorofluoromethane	1.725	101	259123	19.982	ug/l	99
8) Diethyl Ether	1.918	74	101938	21.175	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	151673	19.657	ug/l	99
10) Methyl Iodide	2.198	142	155103	21.109	ug/l	98
11) Tert butyl alcohol	2.568	59	166515	110.571	ug/l	99
12) 1,1-Dichloroethene	2.082	96	148258	19.973	ug/l	96
13) Acrolein	2.011	56	30535	116.851	ug/l	97
14) Allyl chloride	2.359	41	270301	20.386	ug/l	98
15) Acrylonitrile	2.674	53	510399	105.726	ug/l	100
16) Acetone	2.118	43	500511	107.135	ug/l	98
17) Carbon Disulfide	2.253	76	445608	19.629	ug/l	99
18) Methyl Acetate	2.381	43	236287	22.381	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	494520	20.907	ug/l	96
20) Methylene Chloride	2.458	84	185787	22.678	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	155320	19.655	ug/l	98
22) Diisopropyl ether	3.217	45	514292	20.273	ug/l	85
23) Vinyl Acetate	3.192	43	2297382	103.522	ug/l	100
24) 1,1-Dichloroethane	3.118	63	304665	19.638	ug/l	99
25) 2-Butanone	3.870	43	603602	105.789	ug/l	98
26) 2,2-Dichloropropane	3.812	77	246178	17.897	ug/l	100
27) cis-1,2-Dichloroethene	3.822	96	170071	19.514	ug/l	100
28) Bromochloromethane	4.146	49	138833	20.271	ug/l	96
29) Tetrahydrofuran	4.240	42	389964	109.192	ug/l	100
30) Chloroform	4.278	83	322270	19.894	ug/l	99
31) Cyclohexane	4.584	56	238107	18.736	ug/l	99
32) 1,1,1-Trichloroethane	4.513	97	279806	19.951	ug/l	97
36) 1,1-Dichloropropene	4.745	75	187909	19.432	ug/l	98
37) Ethyl Acetate	3.982	43	243790	20.776	ug/l #	92
38) Carbon Tetrachloride	4.735	117	232933	19.709	ug/l	100
39) Methylcyclohexane	6.047	83	228816	19.594	ug/l	96
40) Benzene	5.011	78	633991	20.134	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039150.D
 Acq On : 24 Sep 2025 14:01
 Operator : SY/MD
 Sample : VV0924WBS02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0924WBS02

Quant Time: Sep 25 04:45:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.166	41	96391	19.385	ug/l	93
42) 1,2-Dichloroethane	5.040	62	228142	20.677	ug/l	99
43) Isopropyl Acetate	5.195	43	337530	21.097	ug/l	99
44) Trichloroethene	5.831	130	147483	20.297	ug/l	99
45) 1,2-Dichloropropane	6.092	63	163901	20.941	ug/l	96
46) Dibromomethane	6.227	93	126157	21.059	ug/l	99
47) Bromodichloromethane	6.426	83	254692	20.565	ug/l	99
48) Methyl methacrylate	6.301	41	145228	20.025	ug/l	98
49) 1,4-Dioxane	6.294	88	46282	395.445	ug/l	91
51) 4-Methyl-2-Pentanone	7.150	43	1236058	117.436	ug/l	98
52) Toluene	7.310	92	398034	21.801	ug/l	99
53) t-1,3-Dichloropropene	7.577	75	233157	21.603	ug/l	96
54) cis-1,3-Dichloropropene	6.950	75	256176	21.501	ug/l	96
55) 1,1,2-Trichloroethane	7.764	97	171861	20.993	ug/l	97
56) Ethyl methacrylate	7.719	69	198833	20.452	ug/l	100
57) 1,3-Dichloropropane	7.934	76	277597	21.486	ug/l	97
58) 2-Chloroethyl Vinyl ether	6.815	63	517964	100.347	ug/l	99
59) 2-Hexanone	8.066	43	894828	106.669	ug/l	98
60) Dibromochloromethane	8.166	129	191297	20.508	ug/l	99
61) 1,2-Dibromoethane	8.275	107	179580	21.450	ug/l	99
64) Tetrachloroethene	7.899	164	132876	20.213	ug/l	98
65) Chlorobenzene	8.805	112	432358	19.777	ug/l	97
66) 1,1,1,2-Tetrachloroethane	8.899	131	156609	19.826	ug/l	100
67) Ethyl Benzene	8.937	91	658467	19.898	ug/l	100
68) m/p-Xylenes	9.063	106	551462	43.176	ug/l	99
69) o-Xylene	9.468	106	230630	20.393	ug/l	98
70) Styrene	9.487	104	431651	18.940	ug/l	98
71) Bromoform	9.654	173	131945	21.384	ug/l #	98
73) Isopropylbenzene	9.857	105	671517	19.761	ug/l	100
74) N-amyl acetate	9.725	43	283249	20.897	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.166	83	286264	19.226	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	206903	19.396	ug/l	100
77) Bromobenzene	10.140	156	173461	19.674	ug/l	99
78) n-propylbenzene	10.278	91	836225	20.207	ug/l	100
79) 2-Chlorotoluene	10.349	91	511892	20.673	ug/l	98
80) 1,3,5-Trimethylbenzene	10.465	105	583511	20.659	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	86872	19.550	ug/l	99
82) 4-Chlorotoluene	10.465	91	594451	20.703	ug/l	100
83) tert-Butylbenzene	10.789	119	525337	18.652	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	564955	20.602	ug/l	100
85) sec-Butylbenzene	11.014	105	728021	19.488	ug/l	100
86) p-Isopropyltoluene	11.169	119	612071	19.685	ug/l	100
87) 1,3-Dichlorobenzene	11.108	146	349017	19.560	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	375846	19.199	ug/l	99
89) n-Butylbenzene	11.580	91	577604	19.451	ug/l	98
90) Hexachloroethane	11.821	117	135944	17.755	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	316105	18.962	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	56358	21.271	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	178967	18.728	ug/l	99
94) Hexachlorobutadiene	13.368	225	89231	17.970	ug/l	99
95) Naphthalene	13.426	128	578144	18.718	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	187044	19.137	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039150.D
Acq On : 24 Sep 2025 14:01
Operator : SY/MD
Sample : VV0924WBS02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBS02

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Quant Time: Sep 25 04:45:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 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_V
ClientSampleId :
VV0924WBS02

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039171.D
 Acq On : 25 Sep 2025 11:24
 Operator : SY/MD
 Sample : VV0925WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0925WBS01

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Quant Time: Sep 26 01:21:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	557017	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.535	114	898902	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	871912	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	508947	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	363796	45.127	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery =	90.260%		
35) Dibromofluoromethane	4.500	113	345732	47.843	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery =	95.680%		
50) Toluene-d8	7.236	98	1017460	47.939	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery =	95.880%		
62) 4-Bromofluorobenzene	10.001	95	447073	51.168	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery =	102.340%		
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.121	85	160404	18.191	ug/l	99
3) Chloromethane	1.230	50	180629	19.082	ug/l	99
4) Vinyl Chloride	1.298	62	196152	19.356	ug/l	99
5) Bromomethane	1.497	94	119487	18.704	ug/l	98
6) Chloroethane	1.561	64	122694	19.279	ug/l	97
7) Trichlorofluoromethane	1.725	101	284580	19.396	ug/l	98
8) Diethyl Ether	1.918	74	106026	19.466	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	174658	20.007	ug/l	97
10) Methyl Iodide	2.198	142	135972	16.356	ug/l	99
11) Tert butyl alcohol	2.571	59	187721	110.174	ug/l	99
12) 1,1-Dichloroethene	2.082	96	166976	19.882	ug/l	98
13) Acrolein	2.011	56	34025	115.083	ug/l	98
14) Allyl chloride	2.359	41	286242	19.080	ug/l	98
15) Acrylonitrile	2.677	53	538540	98.597	ug/l	100
16) Acetone	2.121	43	476447	89.017	ug/l	97
17) Carbon Disulfide	2.253	76	487416	18.977	ug/l	99
18) Methyl Acetate	2.381	43	252836	21.167	ug/l	98
19) Methyl tert-butyl Ether	2.716	73	535106	19.995	ug/l	99
20) Methylene Chloride	2.458	84	192332	20.555	ug/l	95
21) trans-1,2-Dichloroethene	2.703	96	176159	19.703	ug/l	96
22) Diisopropyl ether	3.220	45	549959	19.161	ug/l	99
23) Vinyl Acetate	3.191	43	2415006	96.182	ug/l	98
24) 1,1-Dichloroethane	3.117	63	339160	19.322	ug/l	98
25) 2-Butanone	3.873	43	626977	97.122	ug/l	99
26) 2,2-Dichloropropane	3.812	77	266277	17.109	ug/l	98
27) cis-1,2-Dichloroethene	3.822	96	191963	19.468	ug/l	98
28) Bromochloromethane	4.150	49	158654	20.475	ug/l	97
29) Tetrahydrofuran	4.240	42	407358	100.814	ug/l	98
30) Chloroform	4.281	83	352541	19.234	ug/l	97
31) Cyclohexane	4.587	56	262018	18.223	ug/l	94
32) 1,1,1-Trichloroethane	4.513	97	301922	19.027	ug/l	98
36) 1,1-Dichloropropene	4.744	75	210259	19.244	ug/l	98
37) Ethyl Acetate	3.986	43	249892	18.849	ug/l	99
38) Carbon Tetrachloride	4.735	117	258780	19.380	ug/l	96
39) Methylcyclohexane	6.047	83	253234	19.193	ug/l	98
40) Benzene	5.011	78	706824	19.867	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
 Data File : VV039171.D
 Acq On : 25 Sep 2025 11:24
 Operator : SY/MD
 Sample : VV0925WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0925WBS01

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Quant Time: Sep 26 01:21:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.166	41	101017	18.119	ug/l	92
42) 1,2-Dichloroethane	5.043	62	243861	19.562	ug/l	99
43) Isopropyl Acetate	5.198	43	354785	19.627	ug/l	99
44) Trichloroethene	5.834	130	167082	20.352	ug/l	99
45) 1,2-Dichloropropane	6.092	63	181382	20.511	ug/l	96
46) Dibromomethane	6.227	93	135579	20.031	ug/l	98
47) Bromodichloromethane	6.429	83	269985	19.295	ug/l	100
48) Methyl methacrylate	6.301	41	154615	18.869	ug/l	97
49) 1,4-Dioxane	6.294	88	55817	422.109	ug/l	98
51) 4-Methyl-2-Pentanone	7.149	43	1295291	108.921	ug/l	99
52) Toluene	7.310	92	442966	21.474	ug/l	98
53) t-1,3-Dichloropropene	7.577	75	244520	20.052	ug/l	99
54) cis-1,3-Dichloropropene	6.950	75	272587	20.249	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	184964	19.997	ug/l	95
56) Ethyl methacrylate	7.719	69	220741	20.096	ug/l	97
57) 1,3-Dichloropropane	7.937	76	293432	20.102	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.815	63	541689	93.599	ug/l	99
59) 2-Hexanone	8.066	43	942254	99.572	ug/l	99
60) Dibromochloromethane	8.169	129	212792	20.190	ug/l	100
61) 1,2-Dibromoethane	8.275	107	195149	20.631	ug/l	99
64) Tetrachloroethene	7.899	164	147205	20.157	ug/l	95
65) Chlorobenzene	8.805	112	488359	20.108	ug/l	98
66) 1,1,1,2-Tetrachloroethane	8.899	131	174648	19.902	ug/l	100
67) Ethyl Benzene	8.937	91	736424	20.032	ug/l	99
68) m/p-Xylenes	9.063	106	611502	43.097	ug/l	100
69) o-Xylene	9.468	106	263271	20.955	ug/l	99
70) Styrene	9.487	104	489732	19.311	ug/l	99
71) Bromoform	9.654	173	140287	20.466	ug/l #	98
73) Isopropylbenzene	9.857	105	759505	20.575	ug/l	100
74) N-amyl acetate	9.725	43	297254	20.188	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	313809	19.402	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	227880	19.665	ug/l	98
77) Bromobenzene	10.143	156	194148	20.272	ug/l	97
78) n-propylbenzene	10.278	91	917928	20.420	ug/l	99
79) 2-Chlorotoluene	10.349	91	569887	21.187	ug/l	98
80) 1,3,5-Trimethylbenzene	10.464	105	649406	21.165	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.931	75	93631	19.398	ug/l	98
82) 4-Chlorotoluene	10.464	91	658860	21.124	ug/l	100
83) tert-Butylbenzene	10.789	119	599275	19.587	ug/l	99
84) 1,2,4-Trimethylbenzene	10.841	105	634517	21.301	ug/l	100
85) sec-Butylbenzene	11.014	105	814764	20.078	ug/l	99
86) p-Isopropyltoluene	11.169	119	692579	20.505	ug/l	99
87) 1,3-Dichlorobenzene	11.108	146	380476	19.629	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	400938	18.854	ug/l	99
89) n-Butylbenzene	11.580	91	629906	19.528	ug/l	98
90) Hexachloroethane	11.821	117	153004	18.396	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	359391	19.846	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	63577	22.105	ug/l	98
93) 1,2,4-Trichlorobenzene	13.185	180	198844	19.155	ug/l	98
94) Hexachlorobutadiene	13.368	225	100713	18.672	ug/l	99
95) Naphthalene	13.426	128	654241	19.499	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	210809	19.856	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039171.D
Acq On : 25 Sep 2025 11:24
Operator : SY/MD
Sample : VV0925WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBS01

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Quant Time: Sep 26 01:21:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

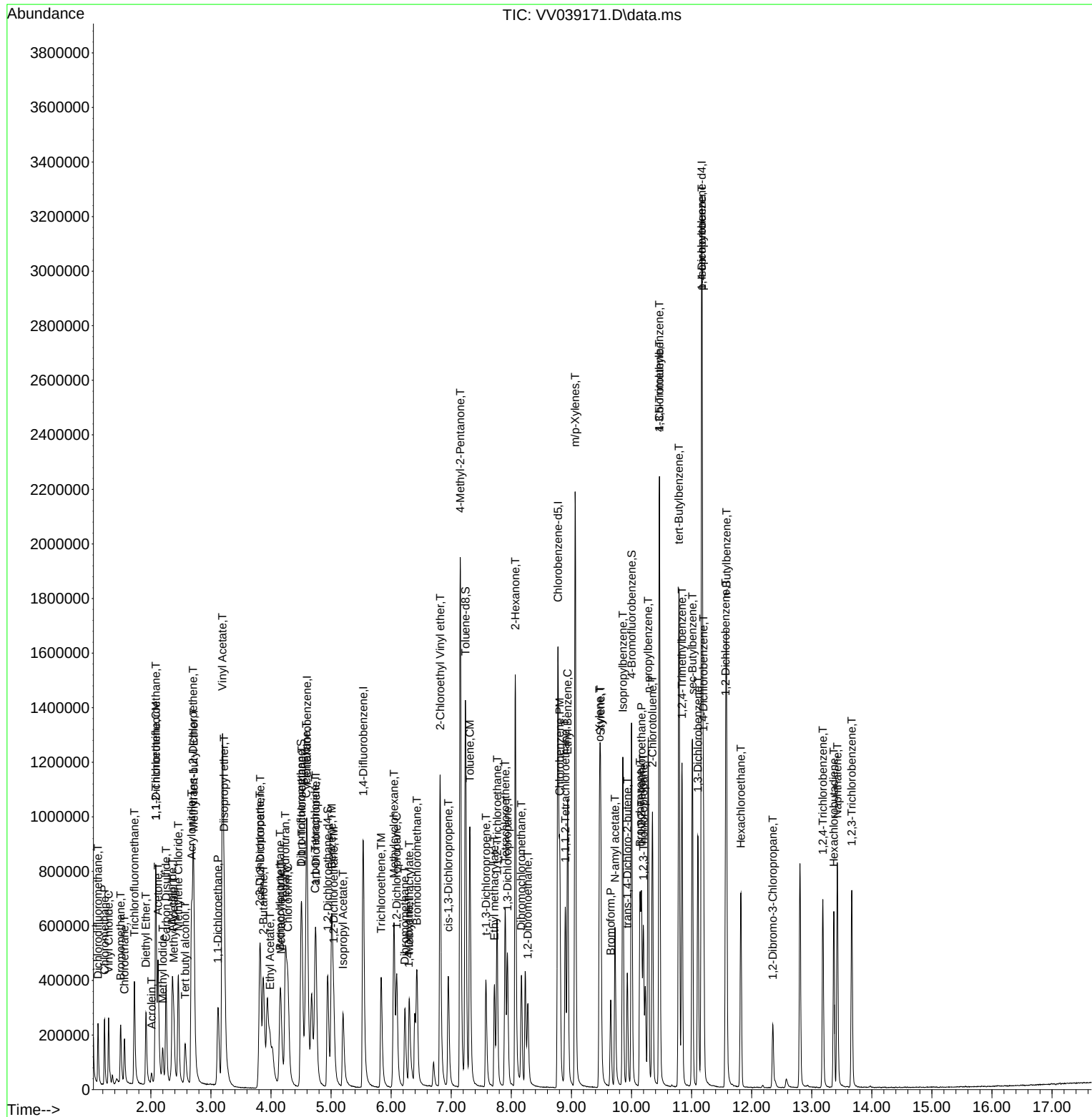
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092525\
Data File : VV039171.D
Acq On : 25 Sep 2025 11:24
Operator : SY/MD
Sample : VV0925WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0925WBS01

Quant Time: Sep 26 01:21:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039165.D
 Acq On : 24 Sep 2025 19:59
 Operator : SY/MD
 Sample : VV0924WBSD02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	545364	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	903558	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.776	117	885424	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	510716	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.944	65	390603	49.487	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	98.980%
35) Dibromofluoromethane	4.503	113	363843	50.089	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.180%
50) Toluene-d8	7.236	98	1080761	50.659	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	101.320%
62) 4-Bromofluorobenzene	10.001	95	483167	55.014	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	110.020%

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	156320	18.107	ug/l	98
3) Chloromethane	1.230	50	168337	18.164	ug/l	100
4) Vinyl Chloride	1.298	62	180006	18.142	ug/l	99
5) Bromomethane	1.497	94	91963	14.703	ug/l	99
6) Chloroethane	1.561	64	124416	20.020	ug/l	100
7) Trichlorofluoromethane	1.725	101	271403	18.893	ug/l	99
8) Diethyl Ether	1.918	74	98678	18.504	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	162784	19.045	ug/l	98
10) Methyl Iodide	2.198	142	97066	11.925	ug/l	99
11) Tert butyl alcohol	2.568	59	177476	106.387	ug/l	97
12) 1,1-Dichloroethene	2.082	96	159305	19.374	ug/l	92
13) Acrolein	2.011	56	32659	112.823	ug/l	95
14) Allyl chloride	2.359	41	262106	17.845	ug/l	98
15) Acrylonitrile	2.677	53	500749	93.637	ug/l	99
16) Acetone	2.121	43	420916	79.697	ug/l	98
17) Carbon Disulfide	2.253	76	461436	18.349	ug/l	99
18) Methyl Acetate	2.381	43	235110	20.104	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	506464	19.329	ug/l	99
20) Methylene Chloride	2.458	84	191133	20.897	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	163017	18.623	ug/l	99
22) Diisopropyl ether	3.217	45	524404	18.661	ug/l	84
23) Vinyl Acetate	3.191	43	2227046	90.591	ug/l	99
24) 1,1-Dichloroethane	3.117	63	311443	18.122	ug/l	99
25) 2-Butanone	3.873	43	581279	91.967	ug/l	99
26) 2,2-Dichloropropane	3.812	77	223757	14.684	ug/l	99
27) cis-1,2-Dichloroethene	3.822	96	181034	18.752	ug/l	99
28) Bromochloromethane	4.150	49	145773	19.214	ug/l	95
29) Tetrahydrofuran	4.243	42	385403	97.419	ug/l	99
30) Chloroform	4.278	83	330400	18.412	ug/l	97
31) Cyclohexane	4.584	56	258917	18.392	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	285397	18.370	ug/l	98
36) 1,1-Dichloropropene	4.748	75	205485	18.711	ug/l	98
37) Ethyl Acetate	3.982	43	238455	17.894	ug/l	98
38) Carbon Tetrachloride	4.735	117	243831	18.166	ug/l	98
39) Methylcyclohexane	6.050	83	241644	18.220	ug/l	97
40) Benzene	5.011	78	673840	18.842	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
 Data File : VV039165.D
 Acq On : 24 Sep 2025 19:59
 Operator : SY/MD
 Sample : VV0924WBSD02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
 Quant Title : SW846 8260
 QLast Update : Wed Sep 24 08:08:08 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.166	41	96133	17.256	ug/l	93
42) 1,2-Dichloroethane	5.043	62	232378	18.545	ug/l	100
43) Isopropyl Acetate	5.198	43	339665	18.694	ug/l	99
44) Trichloroethene	5.831	130	158174	19.167	ug/l	100
45) 1,2-Dichloropropane	6.092	63	172229	19.376	ug/l	97
46) Dibromomethane	6.230	93	128940	18.952	ug/l	97
47) Bromodichloromethane	6.429	83	257271	18.292	ug/l	97
48) Methyl methacrylate	6.301	41	148719	18.056	ug/l	99
49) 1,4-Dioxane	6.297	88	52205	392.759	ug/l	94
51) 4-Methyl-2-Pentanone	7.149	43	1220207	102.079	ug/l	99
52) Toluene	7.310	92	415722	20.049	ug/l	100
53) t-1,3-Dichloropropene	7.577	75	226898	18.511	ug/l	99
54) cis-1,3-Dichloropropene	6.950	75	259523	19.179	ug/l	98
55) 1,1,2-Trichloroethane	7.764	97	171629	18.460	ug/l	97
56) Ethyl methacrylate	7.719	69	204966	18.564	ug/l	98
57) 1,3-Dichloropropane	7.934	76	277934	18.942	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.815	63	486078	84.589	ug/l	99
59) 2-Hexanone	8.066	43	867936	91.441	ug/l	99
60) Dibromochloromethane	8.169	129	195919	18.494	ug/l	100
61) 1,2-Dibromoethane	8.275	107	183626	19.312	ug/l	99
64) Tetrachloroethene	7.899	164	146324	19.730	ug/l	98
65) Chlorobenzene	8.805	112	491329	19.922	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	162674	18.255	ug/l	100
67) Ethyl Benzene	8.937	91	716157	19.183	ug/l	99
68) m/p-Xylenes	9.063	106	582336	40.415	ug/l	99
69) o-Xylene	9.468	106	252664	19.804	ug/l	98
70) Styrene	9.487	104	457807	17.897	ug/l	99
71) Bromoform	9.654	173	131160	18.843	ug/l #	99
73) Isopropylbenzene	9.857	105	724475	19.558	ug/l	99
74) N-amyl acetate	9.725	43	279661	18.927	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	290148	17.877	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	219335	18.862	ug/l	100
77) Bromobenzene	10.140	156	183095	19.051	ug/l	97
78) n-propylbenzene	10.278	91	881210	19.535	ug/l	100
79) 2-Chlorotoluene	10.349	91	539084	19.972	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	620336	20.148	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.931	75	82955	17.126	ug/l	98
82) 4-Chlorotoluene	10.464	91	626744	20.025	ug/l	100
83) tert-Butylbenzene	10.789	119	563652	18.359	ug/l	100
84) 1,2,4-Trimethylbenzene	10.841	105	604069	20.209	ug/l	99
85) sec-Butylbenzene	11.014	105	783211	19.233	ug/l	100
86) p-Isopropyltoluene	11.165	119	661055	19.504	ug/l	100
87) 1,3-Dichlorobenzene	11.104	146	362792	18.652	ug/l	99
88) 1,4-Dichlorobenzene	11.198	146	381649	17.885	ug/l	98
89) n-Butylbenzene	11.580	91	608918	18.812	ug/l	98
90) Hexachloroethane	11.818	117	138165	16.554	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	335832	18.481	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.352	75	57082	19.730	ug/l	99
93) 1,2,4-Trichlorobenzene	13.185	180	191728	18.406	ug/l	100
94) Hexachlorobutadiene	13.368	225	91410	16.888	ug/l	99
95) Naphthalene	13.426	128	623030	18.505	ug/l	100
96) 1,2,3-Trichlorobenzene	13.667	180	199614	18.736	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On : 24 Sep 2025 19:59
Operator : SY/MD
Sample : VV0924WBSD02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 22 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV0924WBSD02

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Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
QLast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration

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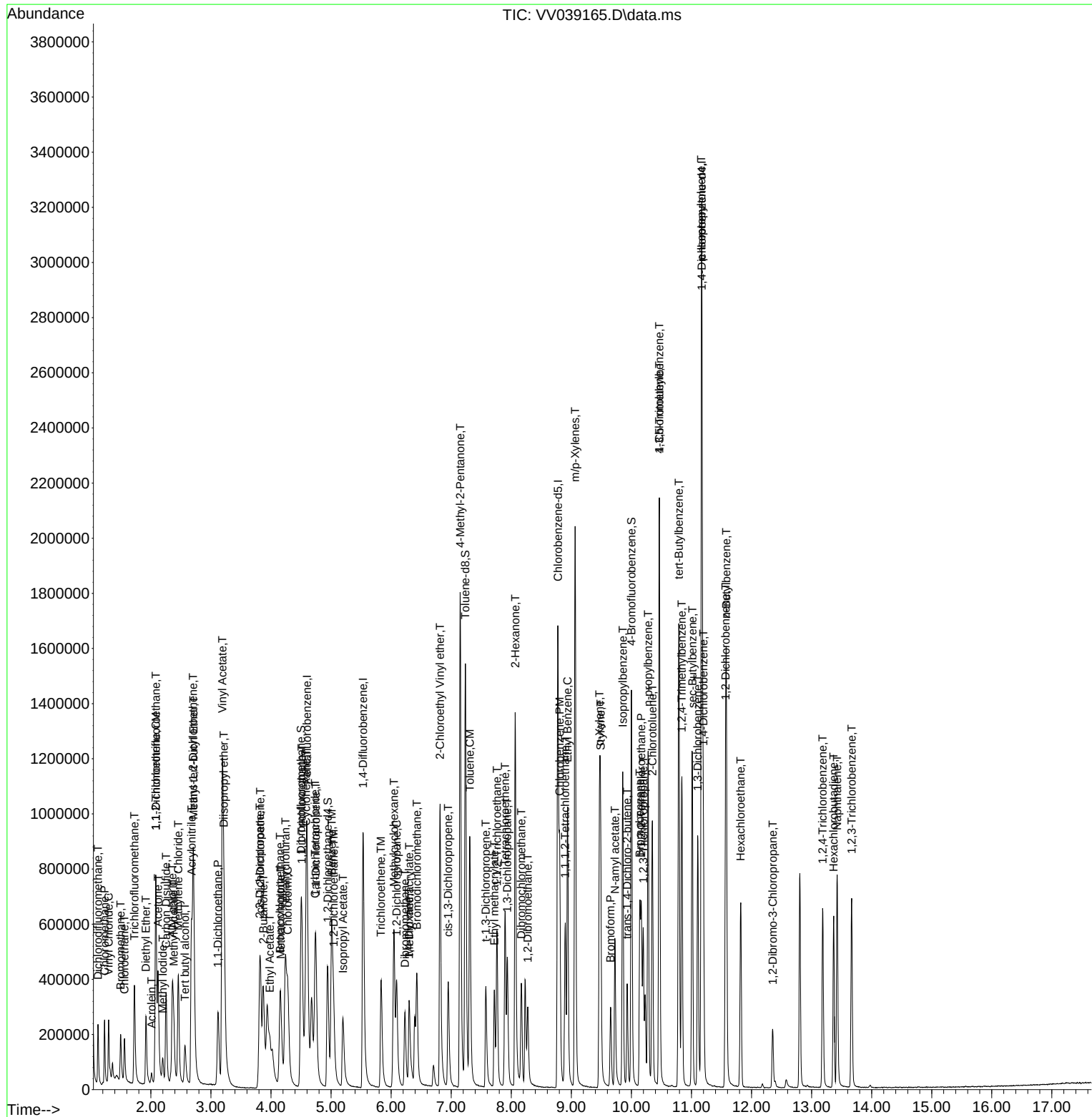
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV092425\
Data File : VV039165.D
Acq On    : 24 Sep 2025   19:59
Operator  : SY/MD
Sample    : VV0924WBSD02
Misc      : 5.0mL/MSVOA_V/WATER
ALS Vial  : 22   Sample Multiplier: 1
```

Instrument :
MSVOA_V

ClientSampleId :
VV0924WBSD02

Quant Time: Sep 25 08:24:33 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V092225W.M
Quant Title : SW846 8260
Qlast Update : Wed Sep 24 08:08:08 2025
Response via : Initial Calibration



Manual Integration Report

Sequence:	VV092225	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDIC005	VV039142.D	1,2,3-Trichloropropane	MMDadod a	9/26/2025 1:38:50 AM	SAM	9/26/2025 1:57:11 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	1,1-Dichloropropene	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	1,4-Dichlorobenzene	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	1,4-Dioxane	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	2,2-Dichloropropane	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	2-Butanone	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Carbon Tetrachloride	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Ethyl Acetate	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Ethyl methacrylate	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Isopropyl Acetate	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Methacrylonitrile	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Methyl methacrylate	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software
VSTDIC001	VV039143.D	Naphthalene	MMDadod a	9/26/2025 1:38:52 AM	SAM	9/26/2025 1:57:13 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VV092225	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICV050	VV039144.D	1,2,3-Trichloropropane	MMDadoda	9/26/2025 1:38:55 AM	SAM	9/26/2025 1:57:15 AM	Peak Integrated by Software

Manual Integration Report

Sequence:	VV092425	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3172-01	VV039157.D	Chlorobenzene	MMDadoda	9/26/2025 1:44:45 AM	SAM	9/26/2025 2:03:21 AM	Peak Integrated by Software
Q3172-01	VV039157.D	Trichloroethene	MMDadoda	9/26/2025 1:44:45 AM	SAM	9/26/2025 2:03:21 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:

VV092525

Instrument

MSVOA_v

Sample ID

File ID

Parameter

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Reason

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV092225

Review By	Mahesh Dadoda	Review On	9/26/2025 1:39:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 1:56:56 AM		
SubDirectory	VV092225	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135580			
Initial Calibration Stds		VP135581,VP135582,VP135583,VP135584,VP135585,VP135586			
CCC					
Internal Standard/PEM		VP133935			
ICV/I.BLK		VP135587			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039134.D	22 Sep 2025 10:15	SY/MD	Ok
2	VSTDICC001	VV039135.D	22 Sep 2025 10:59	SY/MD	Not Ok
3	VSTDICC005	VV039136.D	22 Sep 2025 11:30	SY/MD	Not Ok
4	VSTDICC010	VV039137.D	22 Sep 2025 12:26	SY/MD	Ok
5	VSTDICC020	VV039138.D	22 Sep 2025 12:48	SY/MD	Ok
6	VSTDICCC050	VV039139.D	22 Sep 2025 13:26	SY/MD	Ok
7	VSTDICC100	VV039140.D	22 Sep 2025 13:49	SY/MD	Ok
8	VIBLK	VV039141.D	22 Sep 2025 14:21	SY/MD	Ok
9	VSTDICC005	VV039142.D	22 Sep 2025 15:37	SY/MD	Ok,M
10	VSTDICC001	VV039143.D	22 Sep 2025 16:35	SY/MD	Ok,M
11	VSTDICV050	VV039144.D	22 Sep 2025 16:58	SY/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135622			
CCC		VP135623,VP135624			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039145.D	24 Sep 2025 09:52	SY/MD	Ok
2	VSTDCCC050	VV039146.D	24 Sep 2025 10:49	SY/MD	Ok
3	VV0924MBL01	VV039147.D	24 Sep 2025 12:08	SY/MD	Ok
4	VV0924WBL01	VV039148.D	24 Sep 2025 13:09	SY/MD	Ok
5	VV0924WBS01	VV039149.D	24 Sep 2025 13:37	SY/MD	Not Ok
6	VV0924WBS02	VV039150.D	24 Sep 2025 14:01	SY/MD	Ok
7	Q3173-02	VV039151.D	24 Sep 2025 14:46	SY/MD	Ok
8	Q3173-01	VV039152.D	24 Sep 2025 15:08	SY/MD	Ok
9	Q3175-01	VV039153.D	24 Sep 2025 15:31	SY/MD	Dilution
10	Q3175-02	VV039154.D	24 Sep 2025 15:53	SY/MD	Dilution
11	VIBLK	VV039155.D	24 Sep 2025 16:16	SY/MD	Ok
12	VIBLK	VV039156.D	24 Sep 2025 16:38	SY/MD	Ok
13	Q3172-01	VV039157.D	24 Sep 2025 17:00	SY/MD	Dilution
14	Q3172-02	VV039158.D	24 Sep 2025 17:22	SY/MD	Dilution
15	Q3172-03	VV039159.D	24 Sep 2025 17:45	SY/MD	ReRun
16	Q3164-01	VV039160.D	24 Sep 2025 18:07	SY/MD	Ok
17	Q3164-02	VV039161.D	24 Sep 2025 18:30	SY/MD	Not Ok
18	Q3164-03	VV039162.D	24 Sep 2025 18:52	SY/MD	Ok
19	VIBLK	VV039163.D	24 Sep 2025 19:15	SY/MD	Ok
20	VIBLK	VV039164.D	24 Sep 2025 19:37	SY/MD	Ok,M
21	VV0924WBSD02	VV039165.D	24 Sep 2025 19:59	SY/MD	Ok

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135622			
CCC		VP135623,VP135624			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC050	VV039166.D	24 Sep 2025 20:22	SY/MD	Ok
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M : Manual Integration

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Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV092525

Review By	Mahesh Dadoda	Review On	9/29/2025 12:56:22 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/29/2025 1:08:36 AM		
SubDirectory	VV092525	HP Acquire Method	8260_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135649			
CCC		VP135650,VP135651			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039167.D	25 Sep 2025 09:14	SY/MD	Ok
2	VSTDCCC050	VV039168.D	25 Sep 2025 09:59	SY/MD	Ok
3	VV0925MBL01	VV039169.D	25 Sep 2025 10:31	SY/MD	Ok
4	VV0925WBL01	VV039170.D	25 Sep 2025 11:01	SY/MD	Ok
5	VV0925WBS01	VV039171.D	25 Sep 2025 11:24	SY/MD	Ok
6	VV0925WBSD01	VV039172.D	25 Sep 2025 11:48	SY/MD	Ok
7	Q3164-02	VV039173.D	25 Sep 2025 12:10	SY/MD	Ok
8	Q3175-01DL	VV039174.D	25 Sep 2025 12:33	SY/MD	Dilution
9	Q3175-02DL	VV039175.D	25 Sep 2025 12:55	SY/MD	Ok,M
10	VIBLK	VV039176.D	25 Sep 2025 13:18	SY/MD	Ok,M
11	Q3168-05	VV039177.D	25 Sep 2025 13:40	SY/MD	ReRun
12	Q3168-06	VV039178.D	25 Sep 2025 14:03	SY/MD	ReRun
13	Q3175-01DL2	VV039179.D	25 Sep 2025 14:25	SY/MD	Ok,M
14	Q3172-02DL	VV039180.D	25 Sep 2025 14:48	SY/MD	Ok
15	VIBLK	VV039181.D	25 Sep 2025 15:10	SY/MD	Ok
16	Q3172-01DL	VV039182.D	25 Sep 2025 15:33	SY/MD	Ok
17	Q3168-05RE	VV039183.D	25 Sep 2025 15:55	SY/MD	Confirms
18	Q3168-06RE	VV039184.D	25 Sep 2025 16:18	SY/MD	Confirms
19	Q3172-03	VV039185.D	25 Sep 2025 16:40	SY/MD	Ok
20	Q3195-22	VV039186.D	25 Sep 2025 17:03	SY/MD	Ok
21	Q3195-23	VV039187.D	25 Sep 2025 17:25	SY/MD	Ok

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV092525

Review By	Mahesh Dadoda	Review On	9/29/2025 12:56:22 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/29/2025 1:08:36 AM		
SubDirectory	VV092525	HP Acquire Method	8260_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135649			
CCC		VP135650,VP135651			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	Q3195-24	VV039188.D	25 Sep 2025 17:47	SY/MD	ReRun
23	Q3195-25	VV039189.D	25 Sep 2025 18:10	SY/MD	Ok
24	Q3195-26	VV039190.D	25 Sep 2025 18:32	SY/MD	Ok
25	Q3195-27	VV039191.D	25 Sep 2025 18:55	SY/MD	Ok
26	Q3195-02	VV039192.D	25 Sep 2025 19:17	SY/MD	Ok
27	Q3195-09	VV039193.D	25 Sep 2025 19:40	SY/MD	Ok
28	Q3195-10	VV039194.D	25 Sep 2025 20:02	SY/MD	Ok
29	Q3195-11	VV039195.D	25 Sep 2025 20:25	SY/MD	Ok
30	VSTDCCC050	VV039196.D	25 Sep 2025 20:47	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV092225

Review By	Mahesh Dadoda	Review On	9/26/2025 1:39:32 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 1:56:56 AM		
SubDirectory	VV092225	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk		VP135580			
Initial Calibration Stds		VP135581,VP135582,VP135583,VP135584,VP135585,VP135586			
CCC					
Internal Standard/PEM		VP133935			
ICV/I.BLK		VP135587			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039134.D	22 Sep 2025 10:15		SY/MD	Ok
2	VSTDIC001	VSTDIC001	VV039135.D	22 Sep 2025 10:59	Not use	SY/MD	Not Ok
3	VSTDIC005	VSTDIC005	VV039136.D	22 Sep 2025 11:30	Not use	SY/MD	Not Ok
4	VSTDIC010	VSTDIC010	VV039137.D	22 Sep 2025 12:26		SY/MD	Ok
5	VSTDIC020	VSTDIC020	VV039138.D	22 Sep 2025 12:48	QR- 06,16,20,70,92	SY/MD	Ok
6	VSTDIC050	VSTDIC050	VV039139.D	22 Sep 2025 13:26	LR- 41,58,59	SY/MD	Ok
7	VSTDIC100	VSTDIC100	VV039140.D	22 Sep 2025 13:49		SY/MD	Ok
8	VIBLK	VIBLK	VV039141.D	22 Sep 2025 14:21		SY/MD	Ok
9	VSTDIC005	VSTDIC005	VV039142.D	22 Sep 2025 15:37		SY/MD	Ok,M
10	VSTDIC001	VSTDIC001	VV039143.D	22 Sep 2025 16:35		SY/MD	Ok,M
11	VSTDICV050	ICVVV092225	VV039144.D	22 Sep 2025 16:58	Goof for Non-DOD	SY/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135622			
CCC		VP135623,VP135624			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039145.D	24 Sep 2025 09:52		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039146.D	24 Sep 2025 10:49	pH#lot#v14222	SY/MD	Ok
3	VV0924MBL01	VV0924MBL01	VV039147.D	24 Sep 2025 12:08		SY/MD	Ok
4	VV0924WBL01	VV0924WBL01	VV039148.D	24 Sep 2025 13:09		SY/MD	Ok
5	VV0924WBS01	VV0924WBS01	VV039149.D	24 Sep 2025 13:37	Recovery fail	SY/MD	Not Ok
6	VV0924WBS02	VV0924WBS02	VV039150.D	24 Sep 2025 14:01		SY/MD	Ok
7	Q3173-02	Field Blank	VV039151.D	24 Sep 2025 14:46	pH<2.0 A,FB	SY/MD	Ok
8	Q3173-01	OBS1	VV039152.D	24 Sep 2025 15:08	pH<2.0 A	SY/MD	Ok
9	Q3175-01	MW2	VV039153.D	24 Sep 2025 15:31	pH<2.0 A ,Need 20X	SY/MD	Dilution
10	Q3175-02	MW4	VV039154.D	24 Sep 2025 15:53	pH<2.0 A ,Need 20X	SY/MD	Dilution
11	VIBLK	VIBLK	VV039155.D	24 Sep 2025 16:16		SY/MD	Ok
12	VIBLK	VIBLK	VV039156.D	24 Sep 2025 16:38		SY/MD	Ok
13	Q3172-01	FW7D	VV039157.D	24 Sep 2025 17:00	pH<2.0 A ,Surrogate Fail;Need 100X	SY/MD	Dilution
14	Q3172-02	FW6D	VV039158.D	24 Sep 2025 17:22	pH<2.0 A ,Need 4X	SY/MD	Dilution
15	Q3172-03	GB3W	VV039159.D	24 Sep 2025 17:45	pH<2.0 A ,E flag of previous sample	SY/MD	ReRun
16	Q3164-01	DA-1	VV039160.D	24 Sep 2025 18:07	pH<2.0 A	SY/MD	Ok
17	Q3164-02	DA-2	VV039161.D	24 Sep 2025 18:30	pH<2.0 A ,Confirm Concentration	SY/MD	Not Ok

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV092425

Review By	Mahesh Dadoda	Review On	9/26/2025 1:45:06 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/26/2025 2:03:33 AM		
SubDirectory	VV092425	HP Acquire Method	MSVOA_V	HP Processing Method	82v092225w.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135622				
CCC	VP135623,VP135624				
Internal Standard/PEM	VP133935				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

18	Q3164-03	DA-3	VV039162.D	24 Sep 2025 18:52	pH<2.0 A	SY/MD	Ok
19	VIBLK	VIBLK	VV039163.D	24 Sep 2025 19:15		SY/MD	Ok
20	VIBLK	VIBLK	VV039164.D	24 Sep 2025 19:37		SY/MD	Ok,M
21	VV0924WBSD02	VV0924WBSD02	VV039165.D	24 Sep 2025 19:59		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VV039166.D	24 Sep 2025 20:22		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV092525

Review By	Mahesh Dadoda	Review On	9/29/2025 12:56:22 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/29/2025 1:08:36 AM		
SubDirectory	VV092525	HP Acquire Method	8260_V	HP Processing Method	82v092225w.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP135649			
CCC		VP135650,VP135651			
Internal Standard/PEM		VP133935			
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	Sampleld	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039167.D	25 Sep 2025 09:14		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039168.D	25 Sep 2025 09:59	pH#lot#v14222	SY/MD	Ok
3	VV0925MBL01	VV0925MBL01	VV039169.D	25 Sep 2025 10:31		SY/MD	Ok
4	VV0925WBL01	VV0925WBL01	VV039170.D	25 Sep 2025 11:01		SY/MD	Ok
5	VV0925WBS01	VV0925WBS01	VV039171.D	25 Sep 2025 11:24		SY/MD	Ok
6	VV0925WBSD01	VV0925WBSD01	VV039172.D	25 Sep 2025 11:48		SY/MD	Ok
7	Q3164-02	DA-2	VV039173.D	25 Sep 2025 12:10	pH<2.0 B	SY/MD	Ok
8	Q3175-01DL	MW2DL	VV039174.D	25 Sep 2025 12:33	Need 100X	SY/MD	Dilution
9	Q3175-02DL	MW4DL	VV039175.D	25 Sep 2025 12:55		SY/MD	Ok,M
10	VIBLK	VIBLK	VV039176.D	25 Sep 2025 13:18		SY/MD	Ok,M
11	Q3168-05	TOTES COMP#1	VV039177.D	25 Sep 2025 13:40	pH<2.0 A, Surrogate fail	SY/MD	ReRun
12	Q3168-06	TOTES COMP#2	VV039178.D	25 Sep 2025 14:03	pH<2.0 A, Surrogate fail	SY/MD	ReRun
13	Q3175-01DL2	MW2DL2	VV039179.D	25 Sep 2025 14:25		SY/MD	Ok,M
14	Q3172-02DL	FW6DDL	VV039180.D	25 Sep 2025 14:48		SY/MD	Ok
15	VIBLK	VIBLK	VV039181.D	25 Sep 2025 15:10		SY/MD	Ok
16	Q3172-01DL	FW7DDL	VV039182.D	25 Sep 2025 15:33	Surrogate fail	SY/MD	Ok
17	Q3168-05RE	TOTES COMP#1RE	VV039183.D	25 Sep 2025 15:55	pH<2.0 B, Surrogate fail	SY/MD	Confirms
18	Q3168-06RE	TOTES COMP#2RE	VV039184.D	25 Sep 2025 16:18	pH<2.0 B, Surrogate fail	SY/MD	Confirms

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV092525

Review By	Mahesh Dadoda	Review On	9/29/2025 12:56:22 AM		
Supervise By	Semsettin Yesilyurt	Supervise On	9/29/2025 1:08:36 AM		
SubDirectory	VV092525	HP Acquire Method	8260_V	HP Processing Method	82v092225w.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP135649				
CCC	VP135650,VP135651				
Internal Standard/PEM	VP133935				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3172-03	GB3W	VV039185.D	25 Sep 2025 16:40	pH<2.0 A	SY/MD	Ok
20	Q3195-22	RW-1-092425	VV039186.D	25 Sep 2025 17:03	pH<2.0 A	SY/MD	Ok
21	Q3195-23	EB-01-091925	VV039187.D	25 Sep 2025 17:25	pH<2.0 A ,EB	SY/MD	Ok
22	Q3195-24	EB-02-092225	VV039188.D	25 Sep 2025 17:47	pH<2.0 A ,Internal Standard Fail	SY/MD	ReRun
23	Q3195-25	FB-01-091925	VV039189.D	25 Sep 2025 18:10	pH<2.0 A ,FB	SY/MD	Ok
24	Q3195-26	FB-02-092225	VV039190.D	25 Sep 2025 18:32	pH<2.0 A FB	SY/MD	Ok
25	Q3195-27	TB-01-091525	VV039191.D	25 Sep 2025 18:55	pH<2.0 A ,TB	SY/MD	Ok
26	Q3195-02	MW-1-091725	VV039192.D	25 Sep 2025 19:17	pH<2.0 A	SY/MD	Ok
27	Q3195-09	MW-22-091825	VV039193.D	25 Sep 2025 19:40	pH<2.0 A	SY/MD	Ok
28	Q3195-10	MW-23-092325	VV039194.D	25 Sep 2025 20:02	pH<2.0 A	SY/MD	Ok
29	Q3195-11	MW-24-091925	VV039195.D	25 Sep 2025 20:25	pH<2.0 A	SY/MD	Ok
30	VSTDCCC050	VSTDCCC050EC	VV039196.D	25 Sep 2025 20:47		SY/MD	Ok

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3172	OrderDate:	9/24/2025 9:00:00 AM
Client:	G Environmental	Project:	Amsterdam
Contact:	Gary Landis	Location:	J43,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3172-01	FW7D	Water	VOCMS Group1	8260-Low	09/22/25		09/24/25	09/23/25
Q3172-01DL	FW7DDL	Water	VOCMS Group1	8260-Low	09/22/25		09/25/25	09/23/25
Q3172-02	FW6D	Water	VOCMS Group1	8260-Low	09/22/25		09/24/25	09/23/25
Q3172-02DL	FW6DDL	Water	VOCMS Group1	8260-Low	09/22/25		09/25/25	09/23/25
Q3172-03	GB3W	Water	VOCMS Group1	8260-Low	09/22/25		09/25/25	09/23/25