

Hit Summary Sheet
SW-846

SDG No.: Q3534

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW-6							
Q3534-01	MW-6	Water	Dichlorodifluoromethane	1.20		0.22	1.00	ug/L
Q3534-01	MW-6	Water	Acetone	3.00	J	1.50	5.00	ug/L
Q3534-01	MW-6	Water	Methyl tert-butyl Ether	0.32	J	0.16	1.00	ug/L
Q3534-01	MW-6	Water	Benzene	6.90		0.15	1.00	ug/L
Q3534-01	MW-6	Water	Toluene	0.28	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	Chlorobenzene	54.7		0.12	1.00	ug/L
Q3534-01	MW-6	Water	m/p-Xylenes	0.35	J	0.24	2.00	ug/L
Q3534-01	MW-6	Water	o-Xylene	0.68	J	0.12	1.00	ug/L
Q3534-01	MW-6	Water	Isopropylbenzene	2.00		0.12	1.00	ug/L
Q3534-01	MW-6	Water	1,4-Dichlorobenzene	4.10		0.19	1.00	ug/L
Q3534-01	MW-6	Water	1,2-Dichlorobenzene	2.80		0.16	1.00	ug/L
			Total Voc :			76.3		
Q3534-01	MW-6	Water	Tetrahydrofuran	* 35.8	J	0.99	5.00	ug/L
Q3534-01	MW-6	Water	Tert butyl alcohol	* 24.6	J	5.50	25.0	ug/L
Q3534-01	MW-6	Water	Diethyl Ether	* 33.6	J	0.31	1.00	ug/L
Q3534-01	MW-6	Water	n-propylbenzene	* 0.26	J	0.13	1.00	ug/L
Q3534-01	MW-6	Water	2-Chlorotoluene	* 0.39	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	1,2,4-Trimethylbenzene	* 0.21	J	0.14	1.00	ug/L
Q3534-01	MW-6	Water	Diisopropyl ether	* 46.8	J	0.15	1.00	ug/L
			Total Tics :			142		
			Total Concentration:			218		
Client ID:	MW-1							
Q3534-02	MW-1	Water	Carbon Disulfide	0.74	J	0.21	1.00	ug/L
Q3534-02	MW-1	Water	trans-1,2-Dichloroethene	0.38	J	0.23	1.00	ug/L
Q3534-02	MW-1	Water	cis-1,2-Dichloroethene	1.80		0.19	1.00	ug/L
			Total Voc :			2.92		
Q3534-02	MW-1	Water	Tert butyl alcohol	* 110	J	5.50	25.0	ug/L
Q3534-02	MW-1	Water	Diethyl Ether	* 35.6	J	0.31	1.00	ug/L
Q3534-02	MW-1	Water	Diisopropyl ether	* 3.70	J	0.15	1.00	ug/L
			Total Tics :			149		
			Total Concentration:			152		
Client ID:	MW-5							
Q3534-04	MW-5	Water	Chlorobenzene	0.31	J	0.12	1.00	ug/L
			Total Voc :			0.31		
Q3534-04	MW-5	Water	Tetrahydrofuran	* 2.80	J	0.99	5.00	ug/L
Q3534-04	MW-5	Water	Diethyl Ether	* 1.50	J	0.31	1.00	ug/L
			Total Tics :			4.30		

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Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Total Concentration:				4.61				
Client ID:	MW-EB-1							
Q3534-05	MW-EB-1	Water	Benzene	4.80		0.15	1.00	ug/L
Q3534-05	MW-EB-1	Water	Chlorobenzene	32.8		0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	m/p-Xylenes	0.28	J	0.24	2.00	ug/L
Q3534-05	MW-EB-1	Water	o-Xylene	0.91	J	0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	Isopropylbenzene	48.5		0.12	1.00	ug/L
Q3534-05	MW-EB-1	Water	1,4-Dichlorobenzene	3.80		0.19	1.00	ug/L
Q3534-05	MW-EB-1	Water	1,2-Dichlorobenzene	0.46	J	0.16	1.00	ug/L
Total Voc :				91.5				
Q3534-05	MW-EB-1	Water	Benzene, 1,2,3,4-tetramethyl-	* 10.0	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Indane	* 80.0	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Indan, 1-methyl-	* 10.4	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 10.8	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Sulfur dioxide	* 12.4	J	0	0	ug/L
Q3534-05	MW-EB-1	Water	Tetrahydrofuran	* 24.6	J	0.99	5.00	ug/L
Q3534-05	MW-EB-1	Water	Tert butyl alcohol	* 8.70	J	5.50	25.0	ug/L
Q3534-05	MW-EB-1	Water	Diethyl Ether	* 46.7	J	0.31	1.00	ug/L
Q3534-05	MW-EB-1	Water	n-propylbenzene	* 49.3	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	2-Chlorotoluene	* 3.90	J	0.14	1.00	ug/L
Q3534-05	MW-EB-1	Water	4-Chlorotoluene	* 0.63	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	tert-Butylbenzene	* 0.27	J	0.14	1.00	ug/L
Q3534-05	MW-EB-1	Water	sec-Butylbenzene	* 1.80	J	0.13	1.00	ug/L
Q3534-05	MW-EB-1	Water	n-Butylbenzene	* 1.90	J	0.15	1.00	ug/L
Q3534-05	MW-EB-1	Water	Diisopropyl ether	* 11.3	J	0.15	1.00	ug/L
Total Tics :				273				
Total Concentration:				364				
Client ID:	MW-EB-2							
Q3534-06	MW-EB-2	Water	Chlorobenzene	2.50		0.12	1.00	ug/L
Q3534-06	MW-EB-2	Water	1,4-Dichlorobenzene	1.60		0.19	1.00	ug/L
Total Voc :				4.10				
Q3534-06	MW-EB-2	Water	Tetrahydrofuran	* 4.50	J	0.99	5.00	ug/L
Q3534-06	MW-EB-2	Water	Diethyl Ether	* 5.20	J	0.31	1.00	ug/L
Q3534-06	MW-EB-2	Water	Diisopropyl ether	* 2.80	J	0.15	1.00	ug/L
Total Tics :				12.5				
Total Concentration:				16.6				
Client ID:	MW-EB-3							
Q3534-07	MW-EB-3	Water	Chlorobenzene	5.90		0.12	1.00	ug/L

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Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3534-07	MW-EB-3	Water	1,4-Dichlorobenzene	1.00		0.19	1.00	ug/L
			Total Voc :			6.90		
Q3534-07	MW-EB-3	Water	Tetrahydrofuran	* 2.00	J	0.99	5.00	ug/L
Q3534-07	MW-EB-3	Water	Diethyl Ether	* 1.10	J	0.31	1.00	ug/L
			Total Tics :			3.10		
			Total Concentration:			10.0		
Client ID:	FB-1							
Q3534-09	FB-1	Water	Chloroform	0.76	J	0.25	1.00	ug/L
Q3534-09	FB-1	Water	Chlorobenzene	0.59	J	0.12	1.00	ug/L
			Total Voc :			1.35		
			Total Concentration:			1.35		



SAMPLE DATA

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-6
 Lab Sample ID: Q3534-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.20		1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:47	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:47	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:47	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:47	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:47	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
67-64-1	Acetone	3.00	J	1	1.50	5.00	ug/L	11/04/25 17:47	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:47	VV110425
1634-04-4	Methyl tert-butyl Ether	0.32	J	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:47	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:47	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:47	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:47	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:47	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:47	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
71-43-2	Benzene	6.90		1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:47	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:47	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:47	VV110425
108-88-3	Toluene	0.28	J	1	0.14	1.00	ug/L	11/04/25 17:47	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:47	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:47	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:47	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:47	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:47	VV110425
108-90-7	Chlorobenzene	54.7		1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:47	VV110425
179601-23-1	m/p-Xylenes	0.35	J	1	0.24	2.00	ug/L	11/04/25 17:47	VV110425
95-47-6	o-Xylene	0.68	J	1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:47	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:47	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-6
 Lab Sample ID: Q3534-01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	2.00		1	0.12	1.00	ug/L	11/04/25 17:47	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:47	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
106-46-7	1,4-Dichlorobenzene	4.10		1	0.19	1.00	ug/L	11/04/25 17:47	VV110425
95-50-1	1,2-Dichlorobenzene	2.80		1	0.16	1.00	ug/L	11/04/25 17:47	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:47	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:47	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.2			70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0			70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	45.0			70 (86) - 130 (113)	90%	SPK: 50
460-00-4	4-Bromofluorobenzene	48.2			70 (77) - 130 (121)	96%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	953000
540-36-3	1,4-Difluorobenzene	1750000
3114-55-4	Chlorobenzene-d5	1610000
3855-82-1	1,4-Dichlorobenzene-d4	779000

TENTATIVE IDENTIFIED COMPOUNDS

60-29-7	Diethyl Ether	33.6	J		1.92	ug/L
75-65-0	Tert butyl alcohol	24.6	J		2.57	ug/L
108-20-3	Diisopropyl ether	46.8	J		3.21	ug/L
109-99-9	Tetrahydrofuran	35.8	J		4.24	ug/L
103-65-1	n-propylbenzene	0.26	J		10.3	ug/L
95-49-8	2-Chlorotoluene	0.39	J		10.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	0.21	J		10.8	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



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Report of Analysis

Client: Remington & Vernick Engineers
Project: Edison Landfill
Client Sample ID: MW-1
Lab Sample ID: Q3534-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/03/25
Date Received: 11/04/25
SDG No.: Q3534
Matrix: Water
% Solid: 0
Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 18:09	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:09	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 18:09	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 18:09	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 18:09	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:09	VV110425
75-15-0	Carbon Disulfide	0.74	J	1	0.21	1.00	ug/L	11/04/25 18:09	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 18:09	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 18:09	VV110425
156-60-5	trans-1,2-Dichloroethene	0.38	J	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:09	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 18:09	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
156-59-2	cis-1,2-Dichloroethene	1.80		1	0.19	1.00	ug/L	11/04/25 18:09	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:09	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 18:09	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:09	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 18:09	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 18:09	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 18:09	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:09	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 18:09	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 18:09	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:09	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 18:09	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 18:09	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:09	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:09	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-1
 Lab Sample ID: Q3534-02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:09	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:09	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:09	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:09	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 18:09	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:09	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.0			70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	47.4			70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	46.4			70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.5			70 (77) - 130 (121)	91%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	916000
540-36-3	1,4-Difluorobenzene	1790000
3114-55-4	Chlorobenzene-d5	1600000
3855-82-1	1,4-Dichlorobenzene-d4	726000

TENTATIVE IDENTIFIED COMPOUNDS

60-29-7	Diethyl Ether	35.6	J		1.92	ug/L
75-65-0	Tert butyl alcohol	110	J		2.56	ug/L
108-20-3	Diisopropyl ether	3.70	J		3.22	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-11
 Lab Sample ID: Q3534-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 13:54	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 13:54	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 13:54	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 13:54	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 13:54	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 13:54	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 13:54	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 13:54	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 13:54	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 13:54	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 13:54	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 13:54	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 13:54	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 13:54	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 13:54	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 13:54	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 13:54	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 13:54	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 13:54	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 13:54	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 13:54	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 13:54	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 13:54	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 13:54	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-11
 Lab Sample ID: Q3534-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 13:54	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 13:54	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 13:54	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 13:54	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 13:54	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 13:54	VV110525

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	54.8			70 (74) - 130 (125)	110%	SPK: 50
1868-53-7	Dibromofluoromethane	47.0			70 (75) - 130 (124)	94%	SPK: 50
2037-26-5	Toluene-d8	44.5			70 (86) - 130 (113)	89%	SPK: 50
460-00-4	4-Bromofluorobenzene	41.7			70 (77) - 130 (121)	83%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	938000
540-36-3	1,4-Difluorobenzene	1740000
3114-55-4	Chlorobenzene-d5	1590000
3855-82-1	1,4-Dichlorobenzene-d4	694000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-5
 Lab Sample ID: Q3534-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 18:54	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:54	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 18:54	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 18:54	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 18:54	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:54	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:54	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 18:54	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 18:54	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 18:54	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 18:54	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 18:54	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 18:54	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 18:54	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 18:54	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 18:54	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 18:54	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 18:54	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 18:54	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 18:54	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 18:54	VV110425
108-90-7	Chlorobenzene	0.31	J	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 18:54	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 18:54	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 18:54	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-5
 Lab Sample ID: Q3534-04
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 18:54	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 18:54	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 18:54	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 18:54	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 18:54	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 18:54	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.4			70 (74) - 130 (125)	115%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	46.2			70 (86) - 130 (113)	92%	SPK: 50		
460-00-4	4-Bromofluorobenzene	46.2			70 (77) - 130 (121)	92%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	876000							
540-36-3	1,4-Difluorobenzene	1650000							
3114-55-4	Chlorobenzene-d5	1570000							
3855-82-1	1,4-Dichlorobenzene-d4	732000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.50	J			1.92	ug/L		
109-99-9	Tetrahydrofuran	2.80	J			4.26	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-1
 Lab Sample ID: Q3534-05
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 16:39	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:39	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 16:39	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 16:39	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 16:39	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:39	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:39	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 16:39	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 16:39	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:39	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 16:39	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:39	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:39	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
71-43-2	Benzene	4.80		1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 16:39	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:39	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 16:39	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 16:39	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 16:39	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:39	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 16:39	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 16:39	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:39	VV110425
108-90-7	Chlorobenzene	32.8		1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 16:39	VV110425
179601-23-1	m/p-Xylenes	0.28	J	1	0.24	2.00	ug/L	11/04/25 16:39	VV110425
95-47-6	o-Xylene	0.91	J	1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:39	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:39	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-1
 Lab Sample ID: Q3534-05
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	48.5		1	0.12	1.00	ug/L	11/04/25 16:39	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:39	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
106-46-7	1,4-Dichlorobenzene	3.80		1	0.19	1.00	ug/L	11/04/25 16:39	VV110425
95-50-1	1,2-Dichlorobenzene	0.46	J	1	0.16	1.00	ug/L	11/04/25 16:39	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 16:39	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:39	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.1			70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	48.7			70 (75) - 130 (124)	97%	SPK: 50
2037-26-5	Toluene-d8	50.9			70 (86) - 130 (113)	102%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.3			70 (77) - 130 (121)	107%	SPK: 50

INTERNAL STANDARDS

	Area Count
363-72-4 Pentafluorobenzene	969000
540-36-3 1,4-Difluorobenzene	1720000
3114-55-4 Chlorobenzene-d5	1680000
3855-82-1 1,4-Dichlorobenzene-d4	851000

TENTATIVE IDENTIFIED COMPOUNDS

007446-09-5	Sulfur dioxide	12.4	J			1.20	ug/L
60-29-7	Diethyl Ether	46.7	J			1.92	ug/L
75-65-0	Tert butyl alcohol	8.70	J			2.57	ug/L
108-20-3	Diisopropyl ether	11.3	J			3.22	ug/L
109-99-9	Tetrahydrofuran	24.6	J			4.24	ug/L
103-65-1	n-propylbenzene	49.3	J			10.3	ug/L
95-49-8	2-Chlorotoluene	3.90	J			10.3	ug/L
106-43-4	4-Chlorotoluene	0.63	J			10.5	ug/L
98-06-6	tert-Butylbenzene	0.27	J			10.8	ug/L
135-98-8	sec-Butylbenzene	1.80	J			11.0	ug/L
000496-11-7	Indane	80.0	J			11.4	ug/L
104-51-8	n-Butylbenzene	1.90	J			11.6	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	10.8	J			11.9	ug/L
000767-58-8	Indan, 1-methyl-	10.4	J			12.0	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	10.0	J			12.3	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-2
 Lab Sample ID: Q3534-06
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:02	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:02	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:02	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:02	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:02	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:02	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:02	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:02	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:02	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:02	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:02	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:02	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:02	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:02	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:02	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:02	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 17:02	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:02	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:02	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:02	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:02	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:02	VV110425
108-90-7	Chlorobenzene	2.50		1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:02	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 17:02	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:02	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:02	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-2
 Lab Sample ID: Q3534-06
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:02	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:02	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
106-46-7	1,4-Dichlorobenzene	1.60		1	0.19	1.00	ug/L	11/04/25 17:02	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:02	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:02	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:02	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.8			70 (74) - 130 (125)	120%	SPK: 50
1868-53-7	Dibromofluoromethane	51.3			70 (75) - 130 (124)	103%	SPK: 50
2037-26-5	Toluene-d8	46.9			70 (86) - 130 (113)	94%	SPK: 50
460-00-4	4-Bromofluorobenzene	45.6			70 (77) - 130 (121)	91%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	617000
540-36-3	1,4-Difluorobenzene	1120000
3114-55-4	Chlorobenzene-d5	1090000
3855-82-1	1,4-Dichlorobenzene-d4	498000

TENTATIVE IDENTIFIED COMPOUNDS

60-29-7	Diethyl Ether	5.20	J		1.92	ug/L
108-20-3	Diisopropyl ether	2.80	J		3.22	ug/L
109-99-9	Tetrahydrofuran	4.50	J		4.26	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-3
 Lab Sample ID: Q3534-07
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 17:24	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:24	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 17:24	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 17:24	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 17:24	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:24	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:24	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 17:24	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 17:24	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 17:24	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 17:24	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:24	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 17:24	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 17:24	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 17:24	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 17:24	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 17:24	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 17:24	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 17:24	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 17:24	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 17:24	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 17:24	VV110425
108-90-7	Chlorobenzene	5.90		1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 17:24	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 17:24	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 17:24	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 17:24	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: MW-EB-3
 Lab Sample ID: Q3534-07
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/03/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 17:24	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 17:24	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
106-46-7	1,4-Dichlorobenzene	1.00		1	0.19	1.00	ug/L	11/04/25 17:24	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 17:24	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 17:24	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 17:24	VV110425
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.4			70 (74) - 130 (125)	109%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.9			70 (75) - 130 (124)	96%	SPK: 50		
2037-26-5	Toluene-d8	45.6			70 (86) - 130 (113)	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.4			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	890000							
540-36-3	1,4-Difluorobenzene	1640000							
3114-55-4	Chlorobenzene-d5	1510000							
3855-82-1	1,4-Dichlorobenzene-d4	688000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.10	J			1.92	ug/L		
109-99-9	Tetrahydrofuran	2.00	J			4.27	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: FB-1
 Lab Sample ID: Q3534-09
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 15:54	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 15:54	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 15:54	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 15:54	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 15:54	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 15:54	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 15:54	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 15:54	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 15:54	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 15:54	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 15:54	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
67-66-3	Chloroform	0.76	J	1	0.25	1.00	ug/L	11/04/25 15:54	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 15:54	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 15:54	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 15:54	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 15:54	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 15:54	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 15:54	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 15:54	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 15:54	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 15:54	VV110425
108-90-7	Chlorobenzene	0.59	J	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 15:54	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 15:54	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 15:54	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: FB-1
 Lab Sample ID: Q3534-09
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 15:54	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 15:54	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 15:54	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 15:54	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 15:54	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 15:54	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.4			70 (74) - 130 (125)	123%	SPK: 50
1868-53-7	Dibromofluoromethane	53.1			70 (75) - 130 (124)	106%	SPK: 50
2037-26-5	Toluene-d8	48.9			70 (86) - 130 (113)	98%	SPK: 50
460-00-4	4-Bromofluorobenzene	47.6			70 (77) - 130 (121)	95%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	711000
540-36-3	1,4-Difluorobenzene	1310000
3114-55-4	Chlorobenzene-d5	1270000
3855-82-1	1,4-Dichlorobenzene-d4	579000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: EB-1
 Lab Sample ID: Q3534-10
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 16:17	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:17	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 16:17	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 16:17	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 16:17	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:17	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:17	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 16:17	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 16:17	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 16:17	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 16:17	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 16:17	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 16:17	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 16:17	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 16:17	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 16:17	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 16:17	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 16:17	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 16:17	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 16:17	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 16:17	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 16:17	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 16:17	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 16:17	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: EB-1
 Lab Sample ID: Q3534-10
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/04/25
 Date Received: 11/04/25
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 16:17	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 16:17	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 16:17	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 16:17	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 16:17	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 16:17	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.4			70 (74) - 130 (125)	117%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7			70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50
460-00-4	4-Bromofluorobenzene	44.4			70 (77) - 130 (121)	89%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	597000
540-36-3	1,4-Difluorobenzene	1090000
3114-55-4	Chlorobenzene-d5	1050000
3855-82-1	1,4-Dichlorobenzene-d4	473000

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.: **Q3534**

Client: **Remington & Vernick Engineers**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3534-01	MW-6	1,2-Dichloroethane-d4	50	53.2	106		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	45.0	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.2	96		70 (77)	130 (121)
Q3534-02	MW-1	1,2-Dichloroethane-d4	50	58.0	116		70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.5	91		70 (77)	130 (121)
Q3534-03	MW-11	1,2-Dichloroethane-d4	50	54.8	110		70 (74)	130 (125)
		Dibromofluoromethane	50	47.0	94		70 (75)	130 (124)
		Toluene-d8	50	44.5	89		70 (86)	130 (113)
		4-Bromofluorobenzene	50	41.7	83		70 (77)	130 (121)
Q3534-04	MW-5	1,2-Dichloroethane-d4	50	57.4	115		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	46.2	92		70 (86)	130 (113)
		4-Bromofluorobenzene	50	46.2	92		70 (77)	130 (121)
Q3534-05	MW-EB-1	1,2-Dichloroethane-d4	50	53.1	106		70 (74)	130 (125)
		Dibromofluoromethane	50	48.6	97		70 (75)	130 (124)
		Toluene-d8	50	50.9	102		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	107		70 (77)	130 (121)
Q3534-06	MW-EB-2	1,2-Dichloroethane-d4	50	59.8	120		70 (74)	130 (125)
		Dibromofluoromethane	50	51.3	103		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.6	91		70 (77)	130 (121)
Q3534-07	MW-EB-3	1,2-Dichloroethane-d4	50	54.4	109		70 (74)	130 (125)
		Dibromofluoromethane	50	47.9	96		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
Q3534-09	FB-1	1,2-Dichloroethane-d4	50	61.4	123		70 (74)	130 (125)
		Dibromofluoromethane	50	53.1	106		70 (75)	130 (124)
		Toluene-d8	50	48.9	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	47.6	95		70 (77)	130 (121)
Q3534-10	EB-1	1,2-Dichloroethane-d4	50	58.4	117		70 (74)	130 (125)
		Dibromofluoromethane	50	50.7	101		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.4	89		70 (77)	130 (121)
VV1104WBL01	VV1104WBL01	1,2-Dichloroethane-d4	50	58.0	116		70 (74)	130 (125)
		Dibromofluoromethane	50	50.3	101		70 (75)	130 (124)
		Toluene-d8	50	48.6	97		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104		70 (77)	130 (121)
VV1104WBS01	VV1104WBS01	1,2-Dichloroethane-d4	50	49.1	98		70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.7	107		70 (77)	130 (121)
VV1104WBSD0	VV1104WBSD01	1,2-Dichloroethane-d4	50	50.3	100		70 (74)	130 (125)
		Dibromofluoromethane	50	50.2	100		70 (75)	130 (124)
		Toluene-d8	50	52.5	105		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.5	107		70 (77)	130 (121)
VV1105WBL01	VV1105WBL01	1,2-Dichloroethane-d4	50	60.7	121		70 (74)	130 (125)
		Dibromofluoromethane	50	51.2	102		70 (75)	130 (124)

() = LABORATORY INHOUSE LIMIT

Surrogate Summary

SDG No.: Q3534

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
VV1105WBL01	VV1105WBL01	Toluene-d8	50	48.0	96		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.4	87		70 (77)	130 (121)
VV1105WBS01	VV1105WBS01	1,2-Dichloroethane-d4	50	51.1	102		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	54.2	108		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.0	110		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039309.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBS01	Dichlorodifluoromethane	20	16.2	ug/L	81			40 (69)	160 (116)	
	Chloromethane	20	17.6	ug/L	88			40 (65)	160 (116)	
	Vinyl chloride	20	16.8	ug/L	84			70 (65)	130 (117)	
	Bromomethane	20	18.8	ug/L	94			40 (58)	160 (125)	
	Chloroethane	20	19.0	ug/L	95			40 (56)	160 (128)	
	Trichlorofluoromethane	20	17.4	ug/L	87			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.1	ug/L	91			70 (80)	130 (112)	
	1,1-Dichloroethene	20	16.8	ug/L	84			70 (74)	130 (110)	
	Acetone	100	78.3	ug/L	78			40 (60)	160 (125)	
	Carbon disulfide	20	17.3	ug/L	86			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	17.5	ug/L	88			70 (78)	130 (114)	
	Methyl Acetate	20	14.2	ug/L	71			70 (67)	130 (125)	
	Methylene Chloride	20	19.1	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	17.4	ug/L	87			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.4	ug/L	87			70 (78)	130 (112)	
	Cyclohexane	20	18.3	ug/L	92			70 (75)	130 (110)	
	2-Butanone	100	76.2	ug/L	76			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.3	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.1	ug/L	91			70 (77)	130 (110)	
	Bromochloromethane	20	17.4	ug/L	87			70 (70)	130 (124)	
	Chloroform	20	17.5	ug/L	88			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	17.8	ug/L	89			70 (80)	130 (108)	
	Methylcyclohexane	20	17.7	ug/L	89			70 (72)	130 (115)	
	Benzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	18.0	ug/L	90			70 (80)	130 (115)	
	Trichloroethene	20	18.6	ug/L	93			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.5	ug/L	98			70 (83)	130 (111)	
	Bromodichloromethane	20	18.3	ug/L	92			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	86.1	ug/L	86			40 (74)	160 (118)	
	Toluene	20	19.7	ug/L	99			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.8	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.4	ug/L	97			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	18.0	ug/L	90			70 (83)	130 (112)	
	2-Hexanone	100	83.8	ug/L	84			40 (73)	160 (117)	
	Dibromochloromethane	20	18.3	ug/L	92			70 (82)	130 (110)	
	1,2-Dibromoethane	20	18.5	ug/L	93			70 (81)	130 (110)	
	Tetrachloroethene	20	18.6	ug/L	93			70 (67)	130 (123)	
	Chlorobenzene	20	18.3	ug/L	92			70 (82)	130 (109)	
	Ethyl Benzene	20	18.7	ug/L	94			70 (83)	130 (109)	
	m/p-Xylenes	40	39.6	ug/L	99			70 (82)	130 (110)	
	o-Xylene	20	18.7	ug/L	94			70 (83)	130 (109)	
	Styrene	20	19.8	ug/L	99			70 (80)	130 (111)	
	Bromoform	20	17.9	ug/L	90			70 (79)	130 (109)	
	Isopropylbenzene	20	19.2	ug/L	96			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	16.2	ug/L	81			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	18.7	ug/L	94			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	17.9	ug/L	90			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.1	ug/L	91			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039309.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBS01	1,2-Dibromo-3-Chloropropane	20	14.9	ug/L	75			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	17.9	ug/L	90			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	17.3	ug/L	86			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039310.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBSD01	Dichlorodifluoromethane	20	15.9	ug/L	79	3		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.6	ug/L	88	0		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	16.7	ug/L	84	0		70 (65)	130 (117)	20 (19)
	Bromomethane	20	19.0	ug/L	95	1		40 (58)	160 (125)	20 (20)
	Chloroethane	20	18.6	ug/L	93	2		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	17.3	ug/L	86	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	17.7	ug/L	89	2		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	16.5	ug/L	83	1		70 (74)	130 (110)	20 (20)
	Acetone	100	89.0	ug/L	89	13		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	17.0	ug/L	85	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	18.3	ug/L	92	4		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	15.7	ug/L	79	11		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	19.5	ug/L	98	2		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	17.0	ug/L	85	2		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	17.3	ug/L	86	1		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.1	ug/L	91	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	85.1	ug/L	85	11		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.5	ug/L	93	1		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.0	ug/L	95	4		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	17.6	ug/L	88	1		70 (70)	130 (124)	20 (20)
	Chloroform	20	17.7	ug/L	89	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	17.9	ug/L	90	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	17.9	ug/L	90	1		70 (72)	130 (115)	20 (20)
	Benzene	20	18.8	ug/L	94	0		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	18.2	ug/L	91	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.0	ug/L	95	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	18.5	ug/L	93	5		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	18.5	ug/L	93	1		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	93.4	ug/L	93	8		40 (74)	160 (118)	20 (25)
	Toluene	20	20.0	ug/L	100	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.3	ug/L	97	3		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.6	ug/L	98	1		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	18.8	ug/L	94	4		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	91.1	ug/L	91	8		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	18.7	ug/L	94	2		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	18.9	ug/L	95	2		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	2		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	18.7	ug/L	94	2		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	19.0	ug/L	95	1		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	40.2	ug/L	101	2		70 (82)	130 (110)	20 (15)
	o-Xylene	20	19.3	ug/L	97	3		70 (83)	130 (109)	20 (20)
	Styrene	20	20.2	ug/L	101	2		70 (80)	130 (111)	20 (17)
	Bromoform	20	18.8	ug/L	94	4		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	16.6	ug/L	83	2		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.1	ug/L	96	2		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	18.0	ug/L	90	0		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	18.1	ug/L	91	0		70 (82)	130 (109)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039310.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1104WBSD01	1,2-Dibromo-3-Chloropropane	20	15.9	ug/L	79	5		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	18.1	ug/L	91	1		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	18.0	ug/L	90	5		70 (76)	130 (114)	20 (29)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039331.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1105WBS01	Dichlorodifluoromethane	20	17.0	ug/L	85			40 (69)	160 (116)	
	Chloromethane	20	17.7	ug/L	89			40 (65)	160 (116)	
	Vinyl chloride	20	18.1	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	17.4	ug/L	87			40 (58)	160 (125)	
	Chloroethane	20	20.9	ug/L	104			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.8	ug/L	94			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	19.2	ug/L	96			70 (80)	130 (112)	
	1,1-Dichloroethene	20	18.3	ug/L	92			70 (74)	130 (110)	
	Acetone	100	100	ug/L	100			40 (60)	160 (125)	
	Carbon disulfide	20	18.3	ug/L	92			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.8	ug/L	94			70 (78)	130 (114)	
	Methyl Acetate	20	16.4	ug/L	82			70 (67)	130 (125)	
	Methylene Chloride	20	21.0	ug/L	105			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	18.7	ug/L	94			70 (78)	130 (112)	
	Cyclohexane	20	19.9	ug/L	100			70 (75)	130 (110)	
	2-Butanone	100	94.7	ug/L	95			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.6	ug/L	98			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	19.5	ug/L	98			70 (77)	130 (110)	
	Bromochloromethane	20	19.4	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	19.2	ug/L	96			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	19.3	ug/L	97			70 (80)	130 (108)	
	Methylcyclohexane	20	19.7	ug/L	99			70 (72)	130 (115)	
	Benzene	20	20.4	ug/L	102			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.1	ug/L	96			70 (80)	130 (115)	
	Trichloroethene	20	19.9	ug/L	100			70 (77)	130 (113)	
	1,2-Dichloropropane	20	20.7	ug/L	104			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	100	ug/L	100			40 (74)	160 (118)	
	Toluene	20	21.5	ug/L	108			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	20.2	ug/L	101			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.7	ug/L	104			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	19.7	ug/L	99			70 (83)	130 (112)	
	2-Hexanone	100	100	ug/L	100			40 (73)	160 (117)	
	Dibromochloromethane	20	20.0	ug/L	100			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.1	ug/L	101			70 (81)	130 (110)	
	Tetrachloroethene	20	20.1	ug/L	101			70 (67)	130 (123)	
	Chlorobenzene	20	20.0	ug/L	100			70 (82)	130 (109)	
	Ethyl Benzene	20	20.4	ug/L	102			70 (83)	130 (109)	
	m/p-Xylenes	40	43.4	ug/L	109			70 (82)	130 (110)	
	o-Xylene	20	20.8	ug/L	104			70 (83)	130 (109)	
	Styrene	20	21.9	ug/L	110			70 (80)	130 (111)	
	Bromoform	20	19.7	ug/L	99			70 (79)	130 (109)	
	Isopropylbenzene	20	21.1	ug/L	106			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	17.9	ug/L	90			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	20.0	ug/L	100			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	19.2	ug/L	96			70 (82)	130 (109)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3534</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>Remington & Vernick Engineers</u>	Datafile :	<u>VV039331.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VV1105WBS01	1,2-Dibromo-3-Chloropropane	20	17.1	ug/L	86			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.5	ug/L	98			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98			70 (76)	130 (114)	

VOLATILE METHOD BLANK SUMMARY

Client ID

VV1104WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3534

Lab File ID: VV039308.D

Lab Sample ID: VV1104WBL01

Date Analyzed: 11/04/2025

Time Analyzed: 12:21

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
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025
FB-1	Q3534-09	VV039316.D	11/04/2025
EB-1	Q3534-10	VV039317.D	11/04/2025
MW-EB-1	Q3534-05	VV039318.D	11/04/2025
MW-EB-2	Q3534-06	VV039319.D	11/04/2025
MW-EB-3	Q3534-07	VV039320.D	11/04/2025
MW-6	Q3534-01	VV039321.D	11/04/2025
MW-1	Q3534-02	VV039322.D	11/04/2025
MW-5	Q3534-04	VV039324.D	11/04/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VV1105WBL01

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3534

Lab File ID: VV039330.D

Lab Sample ID: VV1105WBL01

Date Analyzed: 11/05/2025

Time Analyzed: 12:29

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
VV1105WBS01	VV1105WBS01	VV039331.D	11/05/2025
MW-11	Q3534-03	VV039333.D	11/05/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance
Lab Code: ACE
Lab File ID: VV039281.D
Instrument ID: MSVOA_V
GC Column: DB-624UI ID: 0.18 (mm)

Contract: REMI02
SDG NO.: Q3534
BFB Injection Date: 10/07/2025
BFB Injection Time: 08:25
Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	16.4
75	30.0 - 60.0% of mass 95	48.7
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	1.6 (2) 1
174	50.0 - 100.0% of mass 95	78.1
175	5.0 - 9.0% of mass 174	5.9 (7.5) 1
176	95.0 - 101.0% of mass 174	74.2 (95.1) 1
177	5.0 - 9.0% of mass 176	5 (6.7) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VV039282.D	10/07/2025	09:40
VSTDIC005	VSTDIC005	VV039283.D	10/07/2025	10:03
VSTDIC010	VSTDIC010	VV039284.D	10/07/2025	10:25
VSTDIC020	VSTDIC020	VV039285.D	10/07/2025	10:47
VSTDIC050	VSTDIC050	VV039286.D	10/07/2025	11:10
VSTDIC100	VSTDIC100	VV039287.D	10/07/2025	11:32

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3534

Lab File ID: VV039305.D

BFB Injection Date: 11/04/2025

Instrument ID: MSVOA_V

BFB Injection Time: 10:24

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	16.5
75	30.0 - 60.0% of mass 95	49.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1.2 (1.6) 1
174	50.0 - 100.0% of mass 95	76.2
175	5.0 - 9.0% of mass 174	5.5 (7.3) 1
176	95.0 - 101.0% of mass 174	74 (97.2) 1
177	5.0 - 9.0% of mass 176	4.7 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VV039306.D	11/04/2025	11:21
VV1104WBL01	VV1104WBL01	VV039308.D	11/04/2025	12:21
VV1104WBS01	VV1104WBS01	VV039309.D	11/04/2025	12:49
VV1104WBSD01	VV1104WBSD01	VV039310.D	11/04/2025	13:12
FB-1	Q3534-09	VV039316.D	11/04/2025	15:54
EB-1	Q3534-10	VV039317.D	11/04/2025	16:17
MW-EB-1	Q3534-05	VV039318.D	11/04/2025	16:39
MW-EB-2	Q3534-06	VV039319.D	11/04/2025	17:02
MW-EB-3	Q3534-07	VV039320.D	11/04/2025	17:24
MW-6	Q3534-01	VV039321.D	11/04/2025	17:47
MW-1	Q3534-02	VV039322.D	11/04/2025	18:09
MW-5	Q3534-04	VV039324.D	11/04/2025	18:54

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: REMI02

Lab Code: ACE

SDG NO.: Q3534

Lab File ID: VV039327.D

BFB Injection Date: 11/05/2025

Instrument ID: MSVOA_V

BFB Injection Time: 10:37

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	16.8
75	30.0 - 60.0% of mass 95	48.2
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	1.5 (2) 1
174	50.0 - 100.0% of mass 95	76.8
175	5.0 - 9.0% of mass 174	5.5 (7.1) 1
176	95.0 - 101.0% of mass 174	75.7 (98.7) 1
177	5.0 - 9.0% of mass 176	5.5 (7.3) 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	VV039328.D	11/05/2025	11:34
VV1105WBL01	VV1105WBL01	VV039330.D	11/05/2025	12:29
VV1105WBS01	VV1105WBS01	VV039331.D	11/05/2025	12:55
MW-11	Q3534-03	VV039333.D	11/05/2025	13:54

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02
Lab Code: ACE SDG NO.: Q3534
Lab File ID: VV039306.D Date Analyzed: 11/04/2025
Instrument ID: MSVOA_V Time Analyzed: 11:21
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	637264	4.60	1024760	5.53	1022020	8.77
UPPER LIMIT	1274530	5.1	2049510	6.032	2044030	9.273
LOWER LIMIT	318632	4.1	512378	5.032	511008	8.273
EPA SAMPLE NO.						
MW-6	952955	4.60	1749359	5.53	1614553	8.77
MW-1	916194	4.60	1787762	5.53	1600815	8.77
MW-5	875532	4.60	1648833	5.53	1570855	8.77
MW-EB-1	968590	4.60	1722471	5.53	1684073	8.77
MW-EB-2	616619	4.60	1121740	5.53	1092486	8.77
MW-EB-3	890347	4.60	1641332	5.53	1514755	8.77
FB-1	711203	4.60	1312588	5.53	1267623	8.77
EB-1	597120	4.60	1091584	5.53	1047699	8.77
VV1104WBL01	1064589	4.60	1972523	5.53	1793346	8.77
VV1104WBS01	733220	4.60	1149929	5.53	1129519	8.77
VV1104WBSD01	706395	4.60	1110419	5.53	1079972	8.77

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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3534</u>
Lab File ID:	<u>VV039306.D</u>	Date Analyzed:	<u>11/04/2025</u>
Instrument ID:	<u>MSVOA_V</u>	Time Analyzed:	<u>11:21</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	572200	11.172				
UPPER LIMIT	1144400	11.672				
LOWER LIMIT	286100	10.672				
EPA SAMPLE NO.						
MW-6	779349	11.17				
MW-1	725582	11.17				
MW-5	731965	11.17				
MW-EB-1	851194	11.17				
MW-EB-2	497981	11.17				
MW-EB-3	687973	11.17				
FB-1	578801	11.17				
EB-1	472586	11.17				
VV1104WBL01	828938	11.17				
VV1104WBS01	636116	11.17				
VV1104WBSD01	618050	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: REMI02
Lab Code: ACE SDG NO.: Q3534
Lab File ID: VV039328.D Date Analyzed: 11/05/2025
Instrument ID: MSVOA_V Time Analyzed: 11:34
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	644517	4.60	1006970	5.53	993503	8.77
UPPER LIMIT	1289030	5.096	2013950	6.029	1987010	9.273
LOWER LIMIT	322259	4.096	503487	5.029	496752	8.273
EPA SAMPLE NO.						
MW-11	938043	4.59	1744872	5.53	1594094	8.77
VV1105WBL01	856812	4.60	1628447	5.53	1466262	8.77
VV1105WBS01	708659	4.60	1110235	5.53	1080434	8.77

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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3534</u>
Lab File ID:	<u>VV039328.D</u>	Date Analyzed:	<u>11/05/2025</u>
Instrument ID:	<u>MSVOA_V</u>	Time Analyzed:	<u>11:34</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	575078	11.172				
UPPER LIMIT	1150160	11.672				
LOWER LIMIT	287539	10.672				
EPA SAMPLE NO.						
MW-11	693574	11.17				
VV1105WBL01	623984	11.17				
VV1105WBS01	614058	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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBL01
 Lab Sample ID: VV1104WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/04/25 12:21	VV110425
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/04/25 12:21	VV110425
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/04/25 12:21	VV110425
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/04/25 12:21	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/04/25 12:21	VV110425
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/04/25 12:21	VV110425
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/04/25 12:21	VV110425
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/04/25 12:21	VV110425
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/04/25 12:21	VV110425
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/04/25 12:21	VV110425
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/04/25 12:21	VV110425
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/04/25 12:21	VV110425
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/04/25 12:21	VV110425
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/04/25 12:21	VV110425
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/04/25 12:21	VV110425
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/04/25 12:21	VV110425
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/04/25 12:21	VV110425
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/04/25 12:21	VV110425
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/04/25 12:21	VV110425
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/04/25 12:21	VV110425
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/04/25 12:21	VV110425
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBL01
 Lab Sample ID: VV1104WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/04/25 12:21	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/04/25 12:21	VV110425
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/04/25 12:21	VV110425
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/04/25 12:21	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/04/25 12:21	VV110425
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/04/25 12:21	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	58.1			70 (74) - 130 (125)	116%	SPK: 50
1868-53-7	Dibromofluoromethane	50.3			70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	48.6			70 (86) - 130 (113)	97%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8			70 (77) - 130 (121)	104%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	1060000
540-36-3	1,4-Difluorobenzene	1970000
3114-55-4	Chlorobenzene-d5	1790000
3855-82-1	1,4-Dichlorobenzene-d4	829000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1105WBL01
 Lab Sample ID: VV1105WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 12:29	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 12:29	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 12:29	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 12:29	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 12:29	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 12:29	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 12:29	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 12:29	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 12:29	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 12:29	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 12:29	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 12:29	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 12:29	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 12:29	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 12:29	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 12:29	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 12:29	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 12:29	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 12:29	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 12:29	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 12:29	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 12:29	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 12:29	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 12:29	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1105WBL01
 Lab Sample ID: VV1105WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 12:29	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 12:29	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 12:29	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 12:29	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 12:29	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 12:29	VV110525

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	60.7			70 (74) - 130 (125)	121%	SPK: 50
1868-53-7	Dibromofluoromethane	51.2			70 (75) - 130 (124)	102%	SPK: 50
2037-26-5	Toluene-d8	48.0			70 (86) - 130 (113)	96%	SPK: 50
460-00-4	4-Bromofluorobenzene	43.4			70 (77) - 130 (121)	87%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	857000
540-36-3	1,4-Difluorobenzene	1630000
3114-55-4	Chlorobenzene-d5	1470000
3855-82-1	1,4-Dichlorobenzene-d4	624000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBS01
 Lab Sample ID: VV1104WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.2		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 12:49	VV110425
75-01-4	Vinyl Chloride	16.8		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
74-83-9	Bromomethane	18.8		1	1.40	5.00	ug/L	11/04/25 12:49	VV110425
75-00-3	Chloroethane	19.0		1	0.47	1.00	ug/L	11/04/25 12:49	VV110425
75-69-4	Trichlorofluoromethane	17.4		1	0.33	1.00	ug/L	11/04/25 12:49	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	18.1		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
75-35-4	1,1-Dichloroethene	16.8		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
67-64-1	Acetone	78.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
75-15-0	Carbon Disulfide	17.3		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
1634-04-4	Methyl tert-butyl Ether	17.5		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-20-9	Methyl Acetate	14.2		1	0.27	1.00	ug/L	11/04/25 12:49	VV110425
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	11/04/25 12:49	VV110425
156-60-5	trans-1,2-Dichloroethene	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
75-34-3	1,1-Dichloroethane	17.4		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
110-82-7	Cyclohexane	18.3		1	1.50	5.00	ug/L	11/04/25 12:49	VV110425
78-93-3	2-Butanone	76.2		1	0.98	5.00	ug/L	11/04/25 12:49	VV110425
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
156-59-2	cis-1,2-Dichloroethene	18.1		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
74-97-5	Bromochloromethane	17.4		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
67-66-3	Chloroform	17.5		1	0.25	1.00	ug/L	11/04/25 12:49	VV110425
71-55-6	1,1,1-Trichloroethane	17.8		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
108-87-2	Methylcyclohexane	17.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
107-06-2	1,2-Dichloroethane	18.0		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
79-01-6	Trichloroethene	18.6		1	0.090	1.00	ug/L	11/04/25 12:49	VV110425
78-87-5	1,2-Dichloropropane	19.5		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
75-27-4	Bromodichloromethane	18.3		1	0.22	1.00	ug/L	11/04/25 12:49	VV110425
108-10-1	4-Methyl-2-Pentanone	86.1		1	0.68	5.00	ug/L	11/04/25 12:49	VV110425
108-88-3	Toluene	19.7		1	0.14	1.00	ug/L	11/04/25 12:49	VV110425
10061-02-6	t-1,3-Dichloropropene	18.8		1	0.17	1.00	ug/L	11/04/25 12:49	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.4		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
79-00-5	1,1,2-Trichloroethane	18.0		1	0.21	1.00	ug/L	11/04/25 12:49	VV110425
591-78-6	2-Hexanone	83.8		1	0.89	5.00	ug/L	11/04/25 12:49	VV110425
124-48-1	Dibromochloromethane	18.3		1	0.18	1.00	ug/L	11/04/25 12:49	VV110425
106-93-4	1,2-Dibromoethane	18.5		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
127-18-4	Tetrachloroethene	18.6		1	0.23	1.00	ug/L	11/04/25 12:49	VV110425
108-90-7	Chlorobenzene	18.3		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-41-4	Ethyl Benzene	18.7		1	0.13	1.00	ug/L	11/04/25 12:49	VV110425
179601-23-1	m/p-Xylenes	39.6		1	0.24	2.00	ug/L	11/04/25 12:49	VV110425
95-47-6	o-Xylene	18.7		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
100-42-5	Styrene	19.8		1	0.15	1.00	ug/L	11/04/25 12:49	VV110425
75-25-2	Bromoform	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBS01
 Lab Sample ID: VV1104WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.2		1	0.12	1.00	ug/L	11/04/25 12:49	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.2		1	0.26	1.00	ug/L	11/04/25 12:49	VV110425
541-73-1	1,3-Dichlorobenzene	18.7		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
106-46-7	1,4-Dichlorobenzene	17.9		1	0.19	1.00	ug/L	11/04/25 12:49	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 12:49	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	14.9		1	0.53	1.00	ug/L	11/04/25 12:49	VV110425
120-82-1	1,2,4-Trichlorobenzene	17.9		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425
87-61-6	1,2,3-Trichlorobenzene	17.3		1	0.20	1.00	ug/L	11/04/25 12:49	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	49.1			70 (74) - 130 (125)	98%	SPK: 50
1868-53-7	Dibromofluoromethane	50.1			70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.7			70 (77) - 130 (121)	107%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	733000
540-36-3	1,4-Difluorobenzene	1150000
3114-55-4	Chlorobenzene-d5	1130000
3855-82-1	1,4-Dichlorobenzene-d4	636000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1105WBS01
 Lab Sample ID: VV1105WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.0		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
74-87-3	Chloromethane	17.7		1	0.32	1.00	ug/L	11/05/25 12:55	VV110525
75-01-4	Vinyl Chloride	18.1		1	0.26	1.00	ug/L	11/05/25 12:55	VV110525
74-83-9	Bromomethane	17.4		1	1.40	5.00	ug/L	11/05/25 12:55	VV110525
75-00-3	Chloroethane	20.9		1	0.47	1.00	ug/L	11/05/25 12:55	VV110525
75-69-4	Trichlorofluoromethane	18.8		1	0.33	1.00	ug/L	11/05/25 12:55	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	19.2		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
75-35-4	1,1-Dichloroethene	18.3		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
67-64-1	Acetone	100		1	1.50	5.00	ug/L	11/05/25 12:55	VV110525
75-15-0	Carbon Disulfide	18.3		1	0.21	1.00	ug/L	11/05/25 12:55	VV110525
1634-04-4	Methyl tert-butyl Ether	18.8		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
79-20-9	Methyl Acetate	16.4		1	0.27	1.00	ug/L	11/05/25 12:55	VV110525
75-09-2	Methylene Chloride	21.0		1	0.28	1.00	ug/L	11/05/25 12:55	VV110525
156-60-5	trans-1,2-Dichloroethene	18.6		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
75-34-3	1,1-Dichloroethane	18.7		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
110-82-7	Cyclohexane	19.9		1	1.50	5.00	ug/L	11/05/25 12:55	VV110525
78-93-3	2-Butanone	94.7		1	0.98	5.00	ug/L	11/05/25 12:55	VV110525
56-23-5	Carbon Tetrachloride	19.6		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
156-59-2	cis-1,2-Dichloroethene	19.5		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525
74-97-5	Bromochloromethane	19.4		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
67-66-3	Chloroform	19.2		1	0.25	1.00	ug/L	11/05/25 12:55	VV110525
71-55-6	1,1,1-Trichloroethane	19.3		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
108-87-2	Methylcyclohexane	19.7		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
71-43-2	Benzene	20.4		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
107-06-2	1,2-Dichloroethane	19.1		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
79-01-6	Trichloroethene	19.9		1	0.090	1.00	ug/L	11/05/25 12:55	VV110525
78-87-5	1,2-Dichloropropane	20.7		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
75-27-4	Bromodichloromethane	19.8		1	0.22	1.00	ug/L	11/05/25 12:55	VV110525
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/05/25 12:55	VV110525
108-88-3	Toluene	21.5		1	0.14	1.00	ug/L	11/05/25 12:55	VV110525
10061-02-6	t-1,3-Dichloropropene	20.2		1	0.17	1.00	ug/L	11/05/25 12:55	VV110525
10061-01-5	cis-1,3-Dichloropropene	20.7		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
79-00-5	1,1,2-Trichloroethane	19.7		1	0.21	1.00	ug/L	11/05/25 12:55	VV110525
591-78-6	2-Hexanone	100		1	0.89	5.00	ug/L	11/05/25 12:55	VV110525
124-48-1	Dibromochloromethane	20.0		1	0.18	1.00	ug/L	11/05/25 12:55	VV110525
106-93-4	1,2-Dibromoethane	20.1		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
127-18-4	Tetrachloroethene	20.1		1	0.23	1.00	ug/L	11/05/25 12:55	VV110525
108-90-7	Chlorobenzene	20.0		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
100-41-4	Ethyl Benzene	20.4		1	0.13	1.00	ug/L	11/05/25 12:55	VV110525
179601-23-1	m/p-Xylenes	43.4		1	0.24	2.00	ug/L	11/05/25 12:55	VV110525
95-47-6	o-Xylene	20.8		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
100-42-5	Styrene	21.9		1	0.15	1.00	ug/L	11/05/25 12:55	VV110525
75-25-2	Bromoform	19.7		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1105WBS01
 Lab Sample ID: VV1105WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.1		1	0.12	1.00	ug/L	11/05/25 12:55	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	17.9		1	0.26	1.00	ug/L	11/05/25 12:55	VV110525
541-73-1	1,3-Dichlorobenzene	20.0		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
106-46-7	1,4-Dichlorobenzene	19.5		1	0.19	1.00	ug/L	11/05/25 12:55	VV110525
95-50-1	1,2-Dichlorobenzene	19.2		1	0.16	1.00	ug/L	11/05/25 12:55	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	17.1		1	0.53	1.00	ug/L	11/05/25 12:55	VV110525
120-82-1	1,2,4-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525
87-61-6	1,2,3-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 12:55	VV110525

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	51.1			70 (74) - 130 (125)	102%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2			70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	54.2			70 (86) - 130 (113)	108%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.9			70 (77) - 130 (121)	110%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	709000
540-36-3	1,4-Difluorobenzene	1110000
3114-55-4	Chlorobenzene-d5	1080000
3855-82-1	1,4-Dichlorobenzene-d4	614000

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: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBSD01
 Lab Sample ID: VV1104WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	15.9		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/04/25 13:12	VV110425
75-01-4	Vinyl Chloride	16.7		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
74-83-9	Bromomethane	19.0		1	1.40	5.00	ug/L	11/04/25 13:12	VV110425
75-00-3	Chloroethane	18.6		1	0.47	1.00	ug/L	11/04/25 13:12	VV110425
75-69-4	Trichlorofluoromethane	17.3		1	0.33	1.00	ug/L	11/04/25 13:12	VV110425
76-13-1	1,1,2-Trichlorotrifluoroethane	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
75-35-4	1,1-Dichloroethene	16.5		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
67-64-1	Acetone	89.0		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
75-15-0	Carbon Disulfide	17.0		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
1634-04-4	Methyl tert-butyl Ether	18.3		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-20-9	Methyl Acetate	15.7		1	0.27	1.00	ug/L	11/04/25 13:12	VV110425
75-09-2	Methylene Chloride	19.5		1	0.28	1.00	ug/L	11/04/25 13:12	VV110425
156-60-5	trans-1,2-Dichloroethene	17.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
75-34-3	1,1-Dichloroethane	17.3		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
110-82-7	Cyclohexane	18.1		1	1.50	5.00	ug/L	11/04/25 13:12	VV110425
78-93-3	2-Butanone	85.1		1	0.98	5.00	ug/L	11/04/25 13:12	VV110425
56-23-5	Carbon Tetrachloride	18.5		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
156-59-2	cis-1,2-Dichloroethene	19.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
74-97-5	Bromochloromethane	17.6		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
67-66-3	Chloroform	17.7		1	0.25	1.00	ug/L	11/04/25 13:12	VV110425
71-55-6	1,1,1-Trichloroethane	17.9		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
71-43-2	Benzene	18.8		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
107-06-2	1,2-Dichloroethane	18.2		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
79-01-6	Trichloroethene	19.0		1	0.090	1.00	ug/L	11/04/25 13:12	VV110425
78-87-5	1,2-Dichloropropane	18.5		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
75-27-4	Bromodichloromethane	18.5		1	0.22	1.00	ug/L	11/04/25 13:12	VV110425
108-10-1	4-Methyl-2-Pentanone	93.4		1	0.68	5.00	ug/L	11/04/25 13:12	VV110425
108-88-3	Toluene	20.0		1	0.14	1.00	ug/L	11/04/25 13:12	VV110425
10061-02-6	t-1,3-Dichloropropene	19.3		1	0.17	1.00	ug/L	11/04/25 13:12	VV110425
10061-01-5	cis-1,3-Dichloropropene	19.6		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
79-00-5	1,1,2-Trichloroethane	18.8		1	0.21	1.00	ug/L	11/04/25 13:12	VV110425
591-78-6	2-Hexanone	91.1		1	0.89	5.00	ug/L	11/04/25 13:12	VV110425
124-48-1	Dibromochloromethane	18.7		1	0.18	1.00	ug/L	11/04/25 13:12	VV110425
106-93-4	1,2-Dibromoethane	18.9		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	11/04/25 13:12	VV110425
108-90-7	Chlorobenzene	18.7		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-41-4	Ethyl Benzene	19.0		1	0.13	1.00	ug/L	11/04/25 13:12	VV110425
179601-23-1	m/p-Xylenes	40.2		1	0.24	2.00	ug/L	11/04/25 13:12	VV110425
95-47-6	o-Xylene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
100-42-5	Styrene	20.2		1	0.15	1.00	ug/L	11/04/25 13:12	VV110425
75-25-2	Bromoform	18.8		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425

Report of Analysis

Client: Remington & Vernick Engineers
 Project: Edison Landfill
 Client Sample ID: VV1104WBSD01
 Lab Sample ID: VV1104WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3534
 Matrix: Water
 % Solid: 0
 Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	19.3		1	0.12	1.00	ug/L	11/04/25 13:12	VV110425
79-34-5	1,1,2,2-Tetrachloroethane	16.6		1	0.26	1.00	ug/L	11/04/25 13:12	VV110425
541-73-1	1,3-Dichlorobenzene	19.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
106-46-7	1,4-Dichlorobenzene	18.0		1	0.19	1.00	ug/L	11/04/25 13:12	VV110425
95-50-1	1,2-Dichlorobenzene	18.1		1	0.16	1.00	ug/L	11/04/25 13:12	VV110425
96-12-8	1,2-Dibromo-3-Chloropropane	15.9		1	0.53	1.00	ug/L	11/04/25 13:12	VV110425
120-82-1	1,2,4-Trichlorobenzene	18.1		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425
87-61-6	1,2,3-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	11/04/25 13:12	VV110425

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	50.2			70 (74) - 130 (125)	100%	SPK: 50
1868-53-7	Dibromofluoromethane	50.2			70 (75) - 130 (124)	100%	SPK: 50
2037-26-5	Toluene-d8	52.5			70 (86) - 130 (113)	105%	SPK: 50
460-00-4	4-Bromofluorobenzene	53.5			70 (77) - 130 (121)	107%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	706000
540-36-3	1,4-Difluorobenzene	1110000
3114-55-4	Chlorobenzene-d5	1080000
3855-82-1	1,4-Dichlorobenzene-d4	618000

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>REMI02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3534</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:40</u> <u>11:32</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VV039282.D		RRF005 = VV039283.D		RRF010 = VV039284.D		
		RRF020 = VV039285.D		RRF050 = VV039286.D		RRF100 = VV039287.D		
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD
Dichlorodifluoromethane	0.626	0.584	0.740	0.647	0.598	0.596	0.632	9.2
Chloromethane	0.732	0.659	0.754	0.629	0.588	0.586	0.658	10.8
Vinyl Chloride	0.863	0.761	0.827	0.720	0.666	0.666	0.751	11
Bromomethane		0.539	0.582	0.478	0.421	0.416	0.487	14.9
Chloroethane	0.693	0.540	0.519	0.470	0.419	0.403	0.507	20.9
Trichlorofluoromethane	1.374	1.185	1.258	1.095	0.992	0.976	1.147	13.6
1,1,2-Trichlorotrifluoroethane	0.800	0.726	0.754	0.655	0.597	0.588	0.687	12.7
1,1-Dichloroethene	0.846	0.713	0.711	0.637	0.569	0.570	0.674	15.6
Acetone	0.585	0.406	0.420	0.355	0.339	0.321	0.404	23.8
Carbon Disulfide	2.560	1.934	2.027	1.751	1.589	1.565	1.904	19.4
Methyl tert-butyl Ether	2.377	2.087	2.168	1.923	1.798	1.822	2.029	11
Methyl Acetate	1.062	0.818	1.044	0.928	0.828	0.843	0.921	11.9
Methylene Chloride	1.144	0.831	0.798	0.715	0.627	0.616	0.788	24.7
trans-1,2-Dichloroethene	0.929	0.742	0.755	0.654	0.592	0.587	0.710	18.1
1,1-Dichloroethane	1.599	1.384	1.378	1.195	1.092	1.066	1.286	15.9
Cyclohexane		0.999	1.004	0.908	0.872	0.899	0.936	6.5
2-Butanone	0.431	0.404	0.467	0.442	0.427	0.435	0.434	4.7
Carbon Tetrachloride	0.613	0.635	0.667	0.598	0.556	0.548	0.603	7.6
cis-1,2-Dichloroethene	0.808	0.727	0.733	0.657	0.656	0.683	0.711	8.2
Bromochloromethane	0.608	0.606	0.568	0.561	0.490	0.456	0.548	11.4
Chloroform	1.560	1.417	1.409	1.249	1.120	1.109	1.311	13.8
1,1,1-Trichloroethane	1.362	1.212	1.234	1.087	1.002	0.981	1.146	12.9
Methylcyclohexane	0.575	0.501	0.565	0.537	0.588	0.628	0.566	7.7
Benzene	1.579	1.604	1.727	1.588	1.523	1.505	1.588	4.9
1,2-Dichloroethane	0.647	0.565	0.604	0.537	0.501	0.490	0.557	10.9
Trichloroethene	0.424	0.398	0.425	0.395	0.377	0.377	0.399	5.3
1,2-Dichloropropane	0.405	0.354	0.419	0.385	0.381	0.374	0.386	5.9
Bromodichloromethane	0.687	0.668	0.688	0.623	0.583	0.570	0.636	8.2
4-Methyl-2-Pentanone	0.435	0.470	0.598	0.567	0.544	0.543	0.526	11.6
Toluene	0.815	0.927	1.070	1.000	0.971	0.969	0.959	8.9

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>REMI02</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3534</u>
Instrument ID: <u>MSVOA_V</u>	Calibration Date(s): <u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>09:40</u> <u>11:32</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:		RRF001 = VV039282.D		RRF005 = VV039283.D		RRF010 = VV039284.D		
		RRF020 = VV039285.D		RRF050 = VV039286.D		RRF100 = VV039287.D		
COMPOUND	RRF001	RRF005	RRF010	RRF020	RRF050	RRF100	RRF	% RSD
t-1,3-Dichloropropene	0.490	0.542	0.601	0.556	0.562	0.586	0.556	7
cis-1,3-Dichloropropene	0.570	0.593	0.671	0.627	0.622	0.626	0.618	5.5
1,1,2-Trichloroethane	0.482	0.428	0.471	0.428	0.400	0.389	0.433	8.6
2-Hexanone	0.318	0.322	0.427	0.425	0.414	0.411	0.386	13.4
Dibromochloromethane	0.541	0.519	0.551	0.496	0.469	0.461	0.506	7.3
1,2-Dibromoethane	0.447	0.449	0.507	0.450	0.427	0.424	0.451	6.6
Tetrachloroethene	0.390	0.361	0.378	0.370	0.344	0.346	0.365	4.9
Chlorobenzene	1.250	1.185	1.276	1.145	1.116	1.130	1.184	5.6
Ethyl Benzene	1.587	1.545	1.798	1.730	1.866	1.936	1.744	8.9
m/p-Xylenes	0.566	0.569	0.747	0.733	0.764	0.770	0.692	14
o-Xylene	0.523	0.514	0.618	0.610	0.682	0.719	0.611	13.5
Styrene	0.839	0.851	1.117	1.170	1.258	1.285	1.087	18.1
Bromoform	0.379	0.356	0.377	0.354	0.340	0.345	0.359	4.5
Isopropylbenzene	2.745	2.655	3.119	3.050	3.242	3.406	3.036	9.5
1,1,2,2-Tetrachloroethane	1.854	1.451	1.444	1.260	1.180	1.177	1.394	18.4
1,3-Dichlorobenzene	1.658	1.624	1.817	1.650	1.612	1.628	1.665	4.6
1,4-Dichlorobenzene	2.208	1.889	1.962	1.769	1.693	1.659	1.863	11
1,2-Dichlorobenzene	1.765	1.522	1.652	1.498	1.516	1.549	1.584	6.6
1,2-Dibromo-3-Chloropropane	0.373	0.287	0.288	0.258	0.249	0.265	0.287	15.7
1,2,4-Trichlorobenzene	0.880	0.774	0.880	0.839	0.926	1.000	0.883	8.7
1,2,3-Trichlorobenzene	0.919	0.792	0.929	0.883	0.956	1.028	0.918	8.5
1,2-Dichloroethane-d4		0.720	0.759	0.757	0.659	0.657	0.710	7.1
Dibromofluoromethane		0.391	0.408	0.427	0.377	0.367	0.394	6
Toluene-d8		1.121	1.394	1.491	1.353	1.342	1.340	10.2
4-Bromofluorobenzene		0.396	0.473	0.519	0.498	0.500	0.477	10.1

* 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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/04/2025 11:21</u>
Lab File ID:	<u>VV039306.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.498		-21.2	20
Chloromethane	0.658	0.594	0.1	-9.73	20
Vinyl Chloride	0.751	0.624		-16.91	20
Bromomethane	0.487	0.490		0.62	20
Chloroethane	0.507	0.437		-13.81	20
Trichlorofluoromethane	1.147	0.984		-14.21	20
1,1,2-Trichlorotrifluoroethane	0.687	0.591		-13.97	20
1,1-Dichloroethene	0.674	0.567		-15.88	20
Acetone	0.404	0.369		-8.66	20
Carbon Disulfide	1.904	1.632		-14.29	20
Methyl tert-butyl Ether	2.029	2.267		11.73	20
Methyl Acetate	0.921	0.845		-8.25	20
Methylene Chloride	0.788	0.762		-3.3	20
trans-1,2-Dichloroethene	0.710	0.645		-9.15	20
1,1-Dichloroethane	1.286	1.215	0.1	-5.52	20
Cyclohexane	0.936	0.854		-8.76	20
2-Butanone	0.434	0.460		5.99	20
Carbon Tetrachloride	0.603	0.558		-7.46	20
cis-1,2-Dichloroethene	0.711	0.763		7.31	20
Bromochloromethane	0.548	0.607		10.77	20
Chloroform	1.311	1.296		-1.14	20
1,1,1-Trichloroethane	1.146	1.034		-9.77	20
Methylcyclohexane	0.566	0.515		-9.01	20
Benzene	1.588	1.614		1.64	20
1,2-Dichloroethane	0.557	0.580		4.13	20
Trichloroethene	0.399	0.389		-2.51	20
1,2-Dichloropropane	0.386	0.424		9.85	20
Bromodichloromethane	0.636	0.666		4.72	20
4-Methyl-2-Pentanone	0.526	0.599		13.88	20
Toluene	0.959	1.020		6.36	20
t-1,3-Dichloropropene	0.556	0.647		16.37	20
cis-1,3-Dichloropropene	0.618	0.707		14.4	20
1,1,2-Trichloroethane	0.433	0.465		7.39	20
2-Hexanone	0.386	0.441		14.25	20
Dibromochloromethane	0.506	0.551		8.89	20
1,2-Dibromoethane	0.451	0.501		11.09	20
Tetrachloroethene	0.365	0.343		-6.03	20
Chlorobenzene	1.184	1.160	0.3	-2.03	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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/04/2025</u> <u>11:21</u>
Lab File ID:	<u>VV039306.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.818		4.24	20
m/p-Xylenes	0.692	0.759		9.68	20
o-Xylene	0.611	0.685		12.11	20
Styrene	1.087	1.291		18.77	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.218		5.99	20
1,1,2,2-Tetrachloroethane	1.394	1.328	0.3	-4.74	20
1,3-Dichlorobenzene	1.665	1.693		1.68	20
1,4-Dichlorobenzene	1.863	1.758		-5.64	20
1,2-Dichlorobenzene	1.584	1.613		1.83	20
1,2-Dibromo-3-Chloropropane	0.287	0.266		-7.32	20
1,2,4-Trichlorobenzene	0.883	0.929		5.21	20
1,2,3-Trichlorobenzene	0.918	0.977		6.43	20
1,2-Dichloroethane-d4	0.710	0.797		12.25	20
Dibromofluoromethane	0.394	0.423		7.36	20
Toluene-d8	1.340	1.413		5.45	20
4-Bromofluorobenzene	0.477	0.528		10.69	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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/05/2025 11:34</u>
Lab File ID:	<u>VV039328.D</u>	Init. Calib. Date(s):	<u>10/07/2025 10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40 11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.632	0.499		-21.04	20
Chloromethane	0.658	0.571	0.1	-13.22	20
Vinyl Chloride	0.751	0.632		-15.85	20
Bromomethane	0.487	0.389		-20.12	20
Chloroethane	0.507	0.431		-14.99	20
Trichlorofluoromethane	1.147	0.987		-13.95	20
1,1,2-Trichlorotrifluoroethane	0.687	0.607		-11.65	20
1,1-Dichloroethene	0.674	0.591		-12.31	20
Acetone	0.404	0.371		-8.17	20
Carbon Disulfide	1.904	1.668		-12.4	20
Methyl tert-butyl Ether	2.029	2.166		6.75	20
Methyl Acetate	0.921	0.856		-7.06	20
Methylene Chloride	0.788	0.725		-7.99	20
trans-1,2-Dichloroethene	0.710	0.643		-9.44	20
1,1-Dichloroethane	1.286	1.191	0.1	-7.39	20
Cyclohexane	0.936	0.867		-7.37	20
2-Butanone	0.434	0.478		10.14	20
Carbon Tetrachloride	0.603	0.586		-2.82	20
cis-1,2-Dichloroethene	0.711	0.735		3.38	20
Bromochloromethane	0.548	0.556		1.46	20
Chloroform	1.311	1.284		-2.06	20
1,1,1-Trichloroethane	1.146	1.057		-7.77	20
Methylcyclohexane	0.566	0.548		-3.18	20
Benzene	1.588	1.656		4.28	20
1,2-Dichloroethane	0.557	0.576		3.41	20
Trichloroethene	0.399	0.395		-1	20
1,2-Dichloropropane	0.386	0.429		11.14	20
Bromodichloromethane	0.636	0.664		4.4	20
4-Methyl-2-Pentanone	0.526	0.615		16.92	20
Toluene	0.959	1.057		10.22	20
t-1,3-Dichloropropene	0.556	0.642		15.47	20
cis-1,3-Dichloropropene	0.618	0.706		14.24	20
1,1,2-Trichloroethane	0.433	0.468		8.08	20
2-Hexanone	0.386	0.461		19.43	20
Dibromochloromethane	0.506	0.548		8.3	20
1,2-Dibromoethane	0.451	0.499		10.64	20
Tetrachloroethene	0.365	0.353		-3.29	20
Chlorobenzene	1.184	1.197	0.3	1.1	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>REMI02</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3534</u>
Instrument ID:	<u>MSVOA_V</u>	Calibration Date/Time:	<u>11/05/2025</u> <u>11:34</u>
Lab File ID:	<u>VV039328.D</u>	Init. Calib. Date(s):	<u>10/07/2025</u> <u>10/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>09:40</u> <u>11:32</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Ethyl Benzene	1.744	1.936		11.01	20
m/p-Xylenes	0.692	0.800		15.61	20
o-Xylene	0.611	0.720		17.84	20
Styrene	1.087	1.354		24.56	20
Bromoform	0.359	0.392	0.1	9.19	20
Isopropylbenzene	3.036	3.311		9.06	20
1,1,2,2-Tetrachloroethane	1.394	1.325	0.3	-4.95	20
1,3-Dichlorobenzene	1.665	1.723		3.48	20
1,4-Dichlorobenzene	1.863	1.791		-3.87	20
1,2-Dichlorobenzene	1.584	1.626		2.65	20
1,2-Dibromo-3-Chloropropane	0.287	0.260		-9.41	20
1,2,4-Trichlorobenzene	0.883	0.932		5.55	20
1,2,3-Trichlorobenzene	0.918	0.974		6.1	20
1,2-Dichloroethane-d4	0.710	0.759		6.9	20
Dibromofluoromethane	0.394	0.425		7.87	20
Toluene-d8	1.340	1.461		9.03	20
4-Bromofluorobenzene	0.477	0.551		15.51	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039321.D
 Acq On : 04 Nov 2025 17:47
 Operator : SY/MD
 Sample : Q3534-01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-6

Quant Time: Nov 05 00:40:30 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

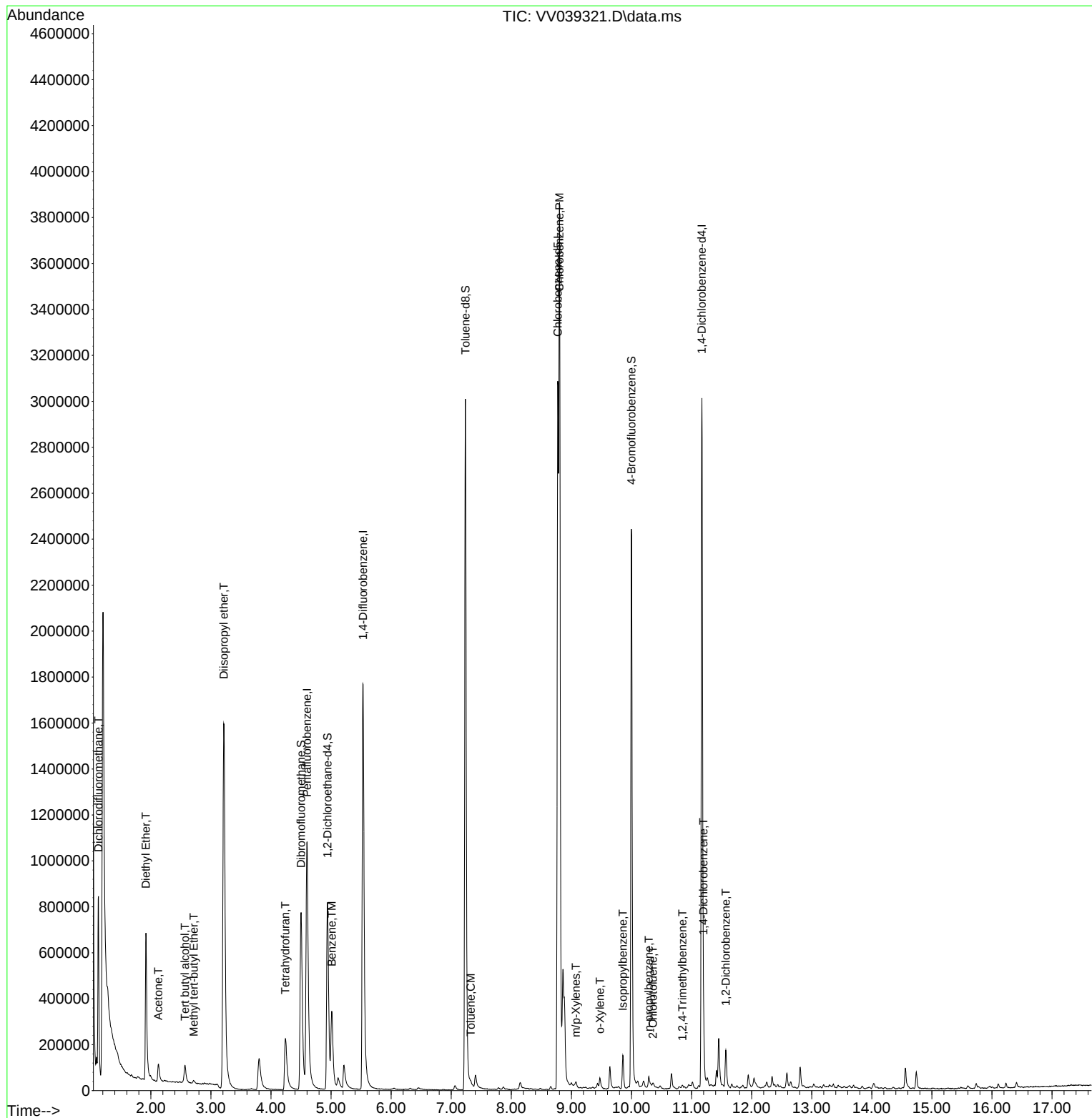
Internal Standards						
1) Pentafluorobenzene	4.600	168	952955	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1749359	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1614553	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	779349	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	720522	53.211	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	106.420%
35) Dibromofluoromethane	4.500	113	647859	47.002	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.000%
50) Toluene-d8	7.236	98	2110762	45.014	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	90.020%
62) 4-Bromofluorobenzene	9.998	95	804695	48.186	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	96.380%
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.127	85	13923	1.156	ug/l	90
8) Diethyl Ether	1.918	74	265703	33.643	ug/l	100
11) Tert butyl alcohol	2.568	59	64568	24.605	ug/l #	94
16) Acetone	2.124	43	82619	2.962	ug/l	98
19) Methyl tert-butyl Ether	2.715	73	12425	0.321	ug/l #	87
22) Diisopropyl ether	3.214	45	1713202	46.846	ug/l #	32
29) Tetrahydrofuran	4.240	42	189743	35.836	ug/l	98
40) Benzene	5.011	78	384536	6.922	ug/l	100
52) Toluene	7.326	92	9429	0.281	ug/l	90
65) Chlorobenzene	8.802	112	2091639	54.724	ug/l	99
68) m/p-Xylenes	9.075	106	7810	0.350	ug/l	97
69) o-Xylene	9.474	106	13414	0.680	ug/l	100
73) Isopropylbenzene	9.857	105	93652	1.979	ug/l	98
78) n-propylbenzene	10.288	91	14925	0.260	ug/l	93
79) 2-Chlorotoluene	10.358	91	13979	0.394	ug/l	98
84) 1,2,4-Trimethylbenzene	10.850	105	8227	0.211	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	118949	4.096	ug/l	92
91) 1,2-Dichlorobenzene	11.570	146	68077	2.758	ug/l	99

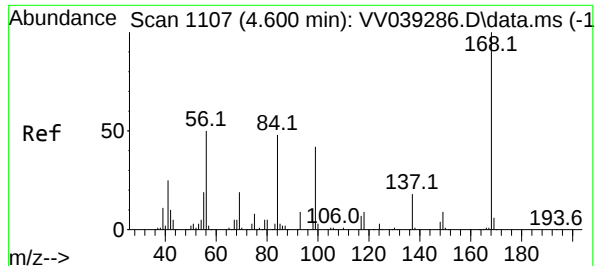
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Time: Nov 05 00:40:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

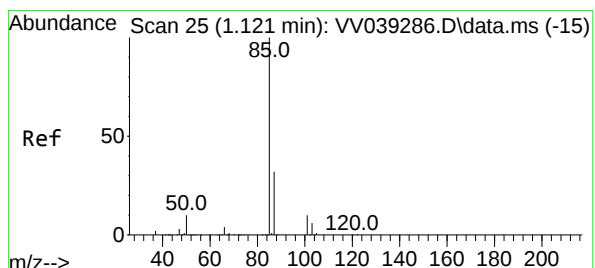
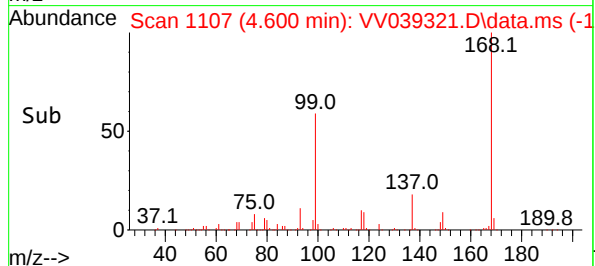
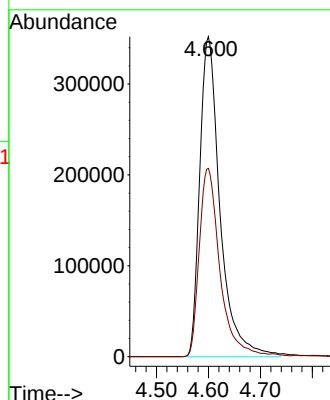
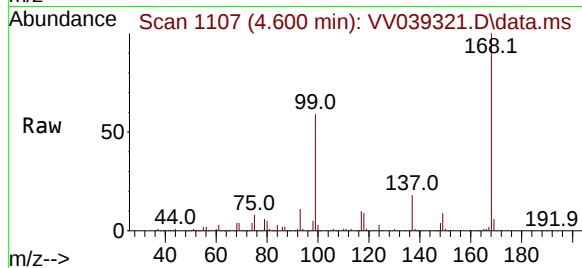




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

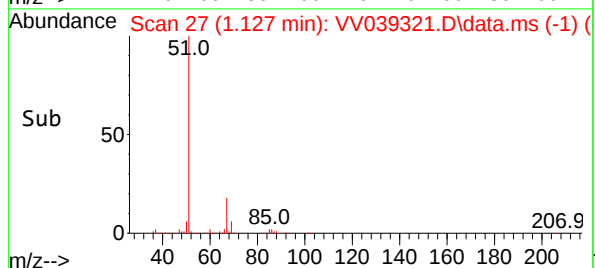
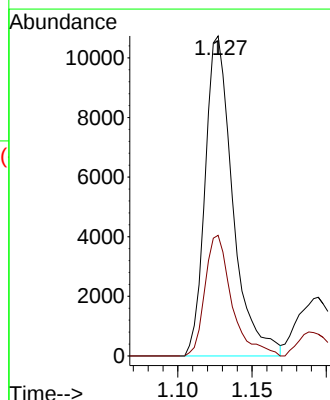
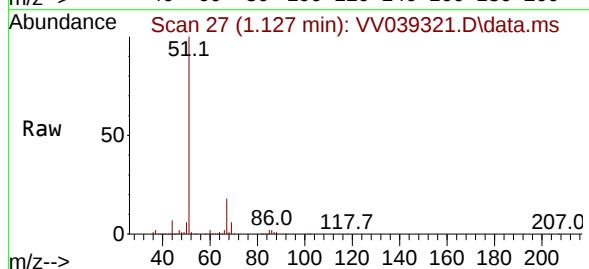
Instrument :
MSVOA_V
ClientSampleId :
MW-6

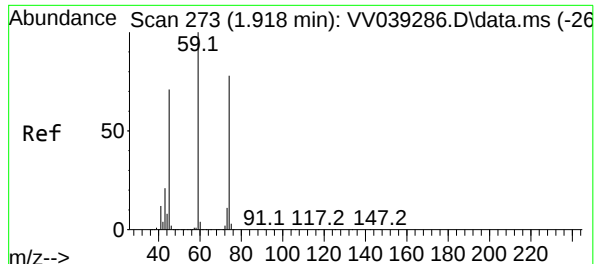
Tgt Ion:168 Resp: 952955
Ion Ratio Lower Upper
168 100
99 58.9 46.6 70.0



#2
Dichlorodifluoromethane
Concen: 1.156 ug/l
RT: 1.127 min Scan# 27
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 85 Resp: 13923
Ion Ratio Lower Upper
85 100
87 37.7 16.1 48.2





#8

Diethyl Ether

Concen: 33.643 ug/l

RT: 1.918 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

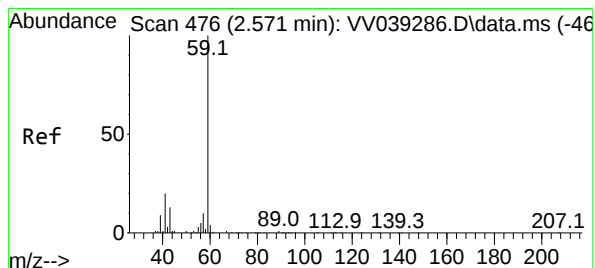
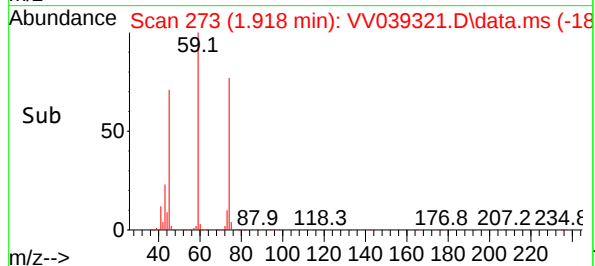
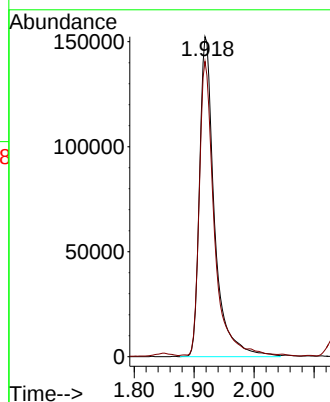
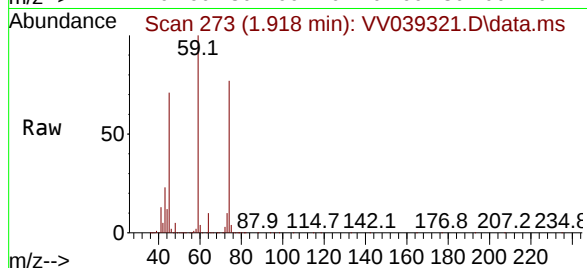
MW-6

Tgt Ion: 74 Resp: 265703

Ion Ratio Lower Upper

74 100

45 91.4 45.9 137.7



#11

Tert butyl alcohol

Concen: 24.605 ug/l

RT: 2.568 min Scan# 475

Delta R.T. -0.003 min

Lab File: VV039321.D

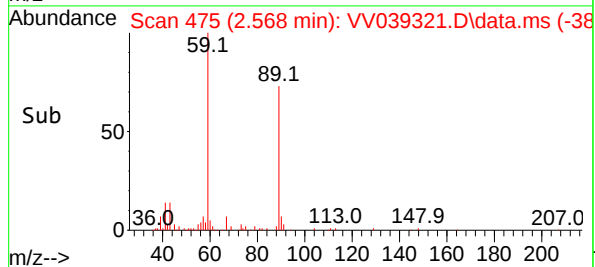
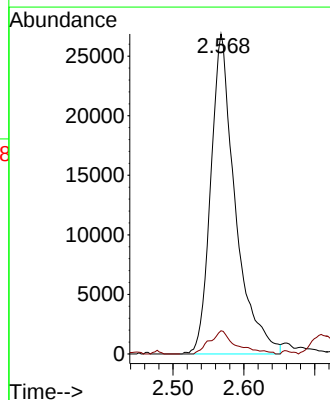
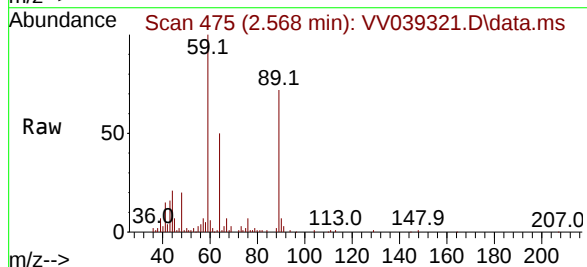
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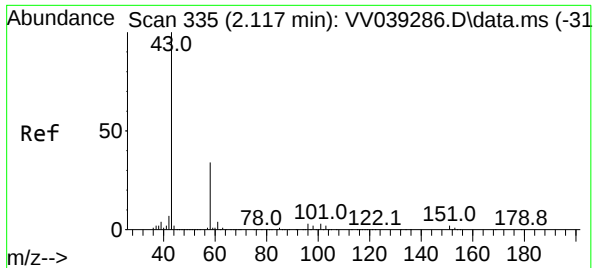
Tgt Ion: 59 Resp: 64568

Ion Ratio Lower Upper

59 100

57 7.7 8.1 12.1#

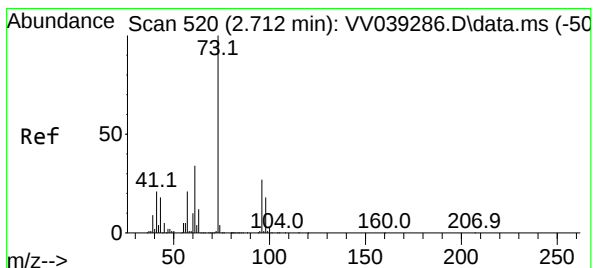
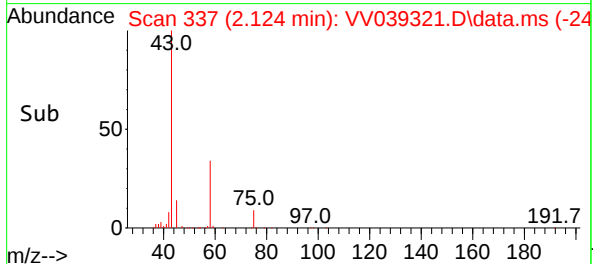
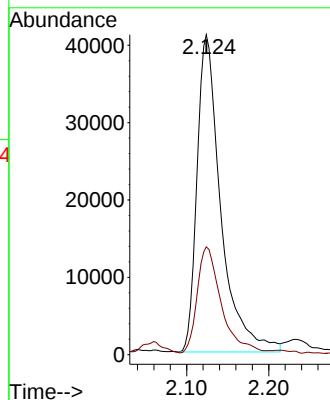
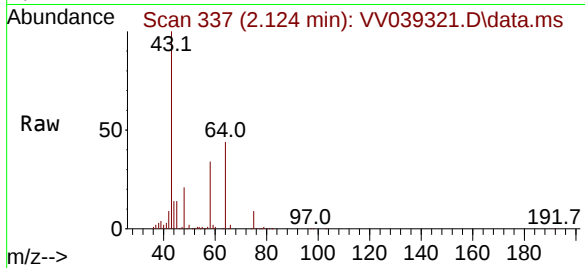




#16
Acetone
Concen: 2.962 ug/l
RT: 2.124 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

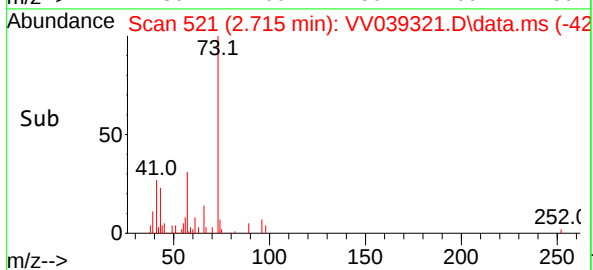
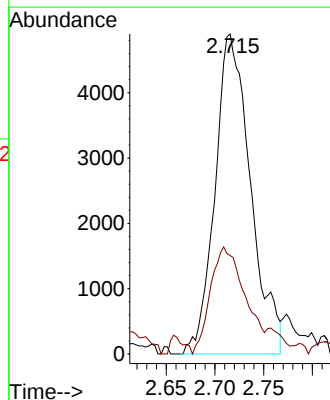
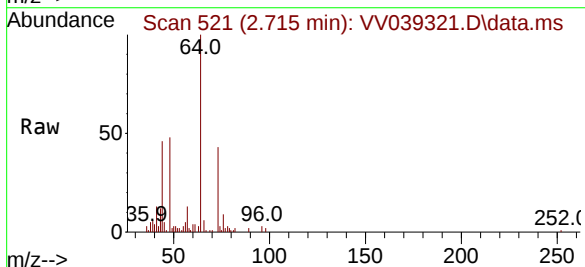
Instrument :
MSVOA_V
ClientSampleId :
MW-6

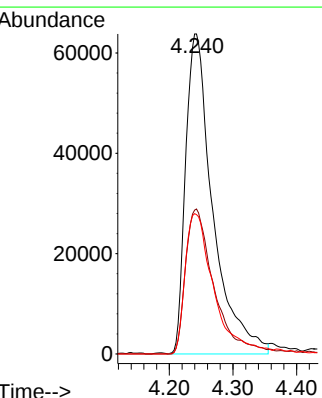
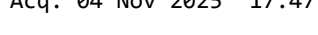
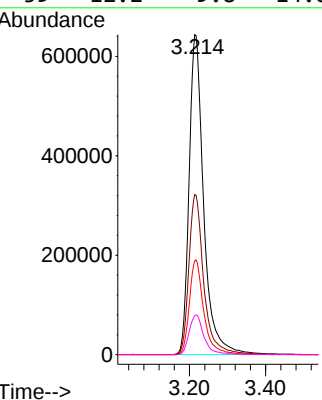
Tgt Ion: 43 Resp: 82619
Ion Ratio Lower Upper
43 100
58 33.4 27.5 41.3

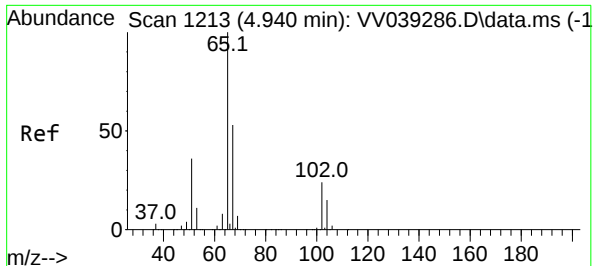


#19
Methyl tert-butyl Ether
Concen: 0.321 ug/l
RT: 2.715 min Scan# 521
Delta R.T. 0.003 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 73 Resp: 12425
Ion Ratio Lower Upper
73 100
57 27.3 17.0 25.6#







#33

1,2-Dichloroethane-d4

Concen: 53.211 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

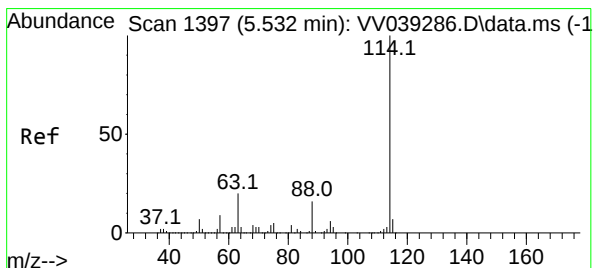
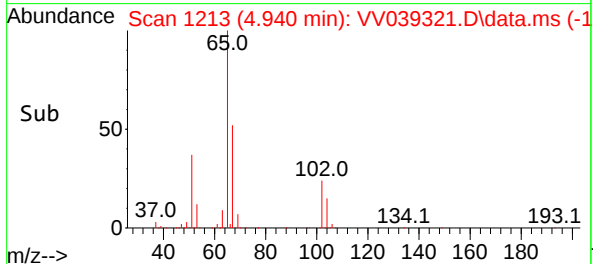
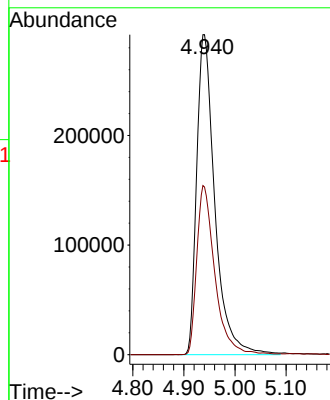
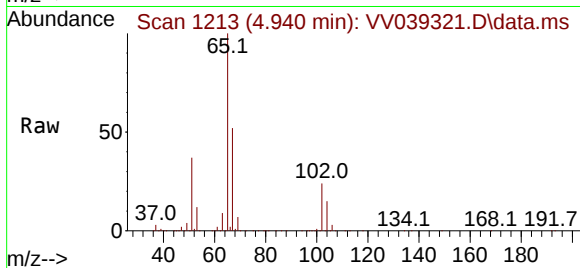
MW-6

Tgt Ion: 65 Resp: 720522

Ion Ratio Lower Upper

65 100

67 52.4 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

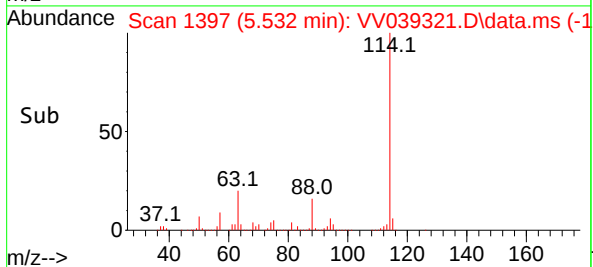
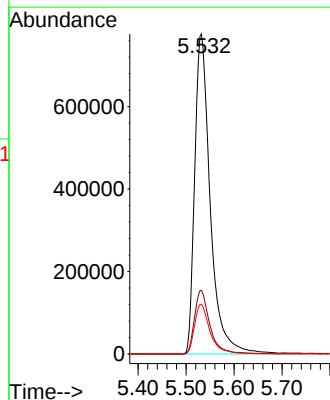
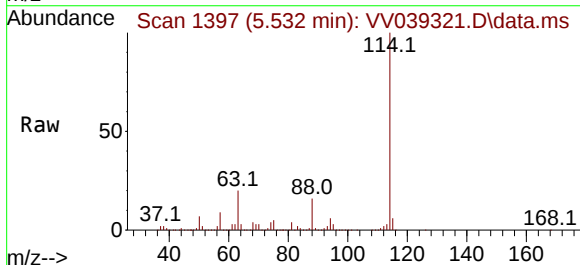
Tgt Ion: 114 Resp: 1749359

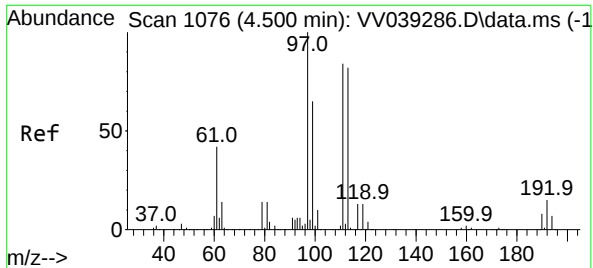
Ion Ratio Lower Upper

114 100

63 19.8 0.0 39.6

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.002 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

MW-6

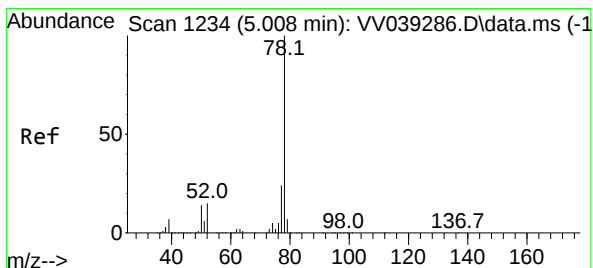
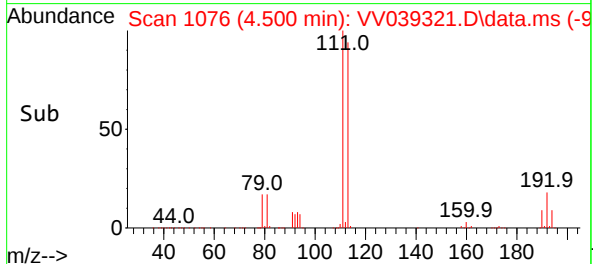
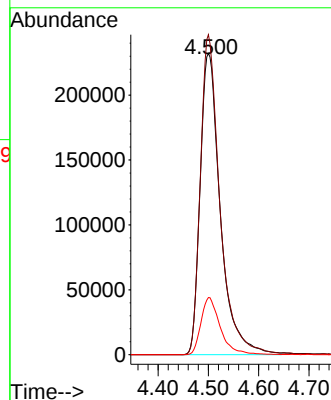
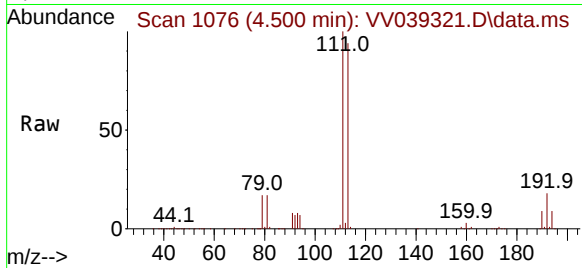
Tgt Ion:113 Resp: 647859

Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.2 14.3 21.5



#40

Benzene

Concen: 6.922 ug/l

RT: 5.011 min Scan# 1235

Delta R.T. 0.003 min

Lab File: VV039321.D

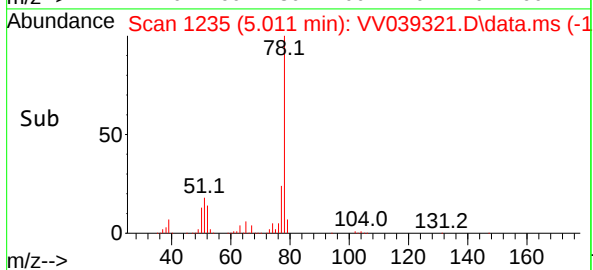
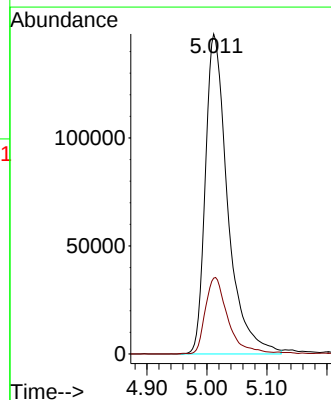
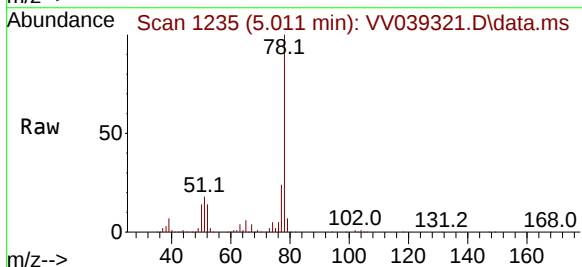
Acq: 04 Nov 2025 17:47

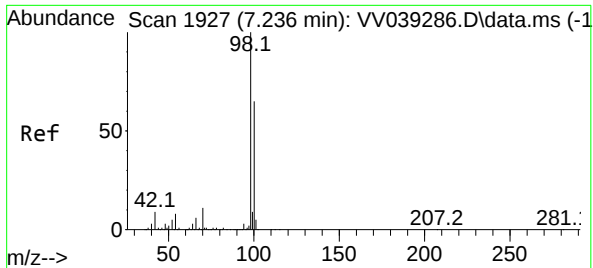
Tgt Ion: 78 Resp: 384536

Ion Ratio Lower Upper

78 100

77 23.6 18.9 28.3





#50

Toluene-d8

Concen: 45.014 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

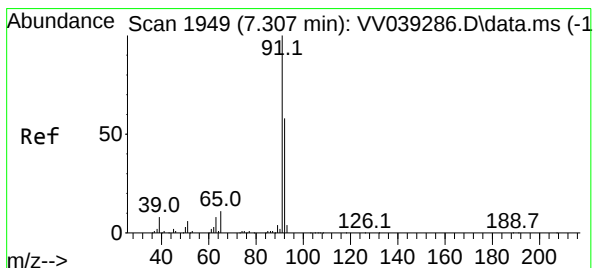
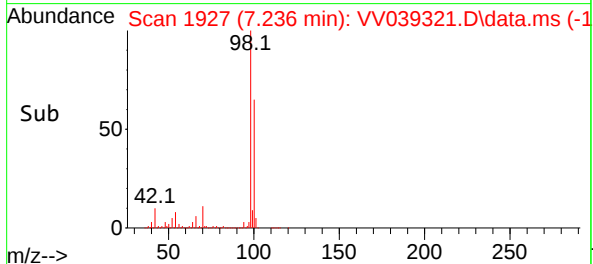
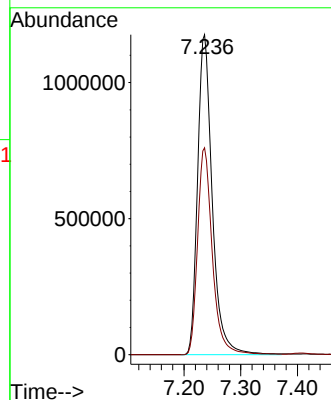
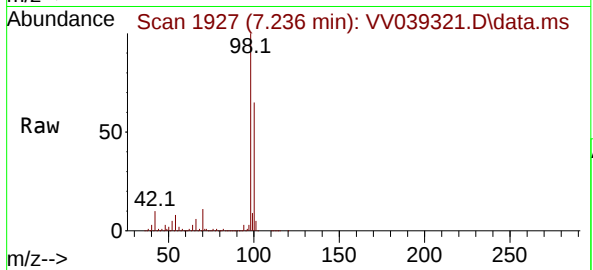
MW-6

Tgt Ion: 98 Resp: 2110762

Ion Ratio Lower Upper

98 100

100 65.1 52.8 79.2



#52

Toluene

Concen: 0.281 ug/l

RT: 7.326 min Scan# 1955

Delta R.T. 0.019 min

Lab File: VV039321.D

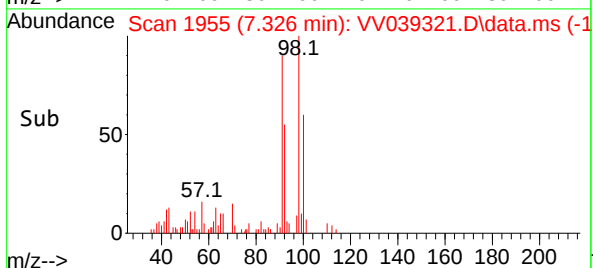
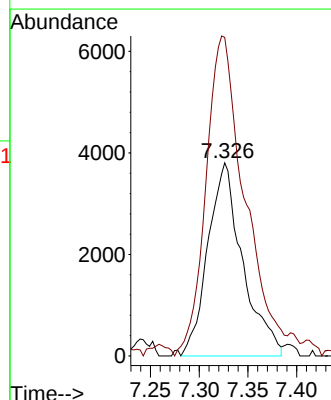
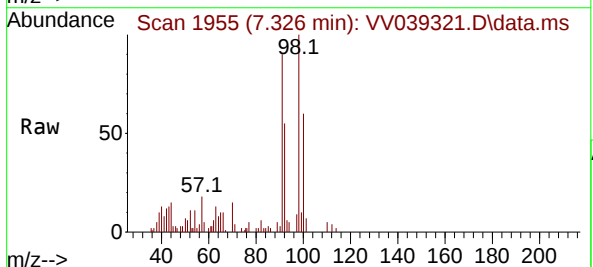
Acq: 04 Nov 2025 17:47

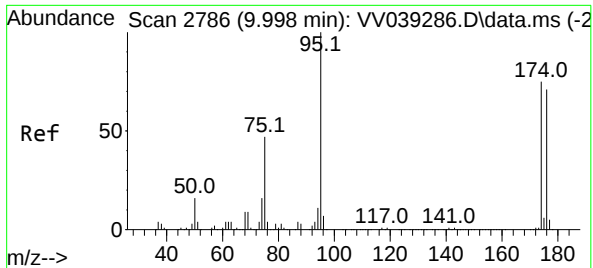
Tgt Ion: 92 Resp: 9429

Ion Ratio Lower Upper

92 100

91 185.0 137.3 205.9





#62

4-Bromofluorobenzene

Concen: 48.186 ug/l

RT: 9.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

MW-6

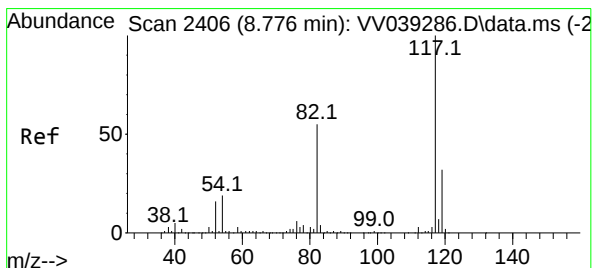
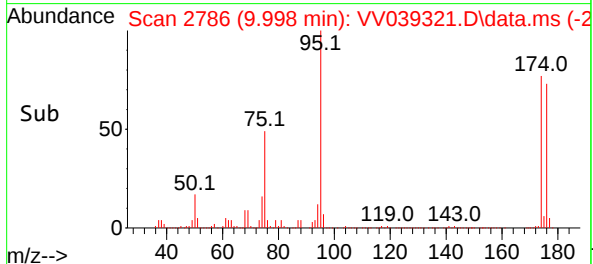
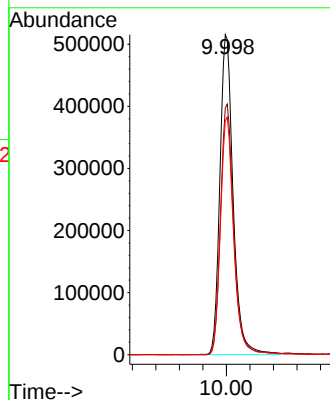
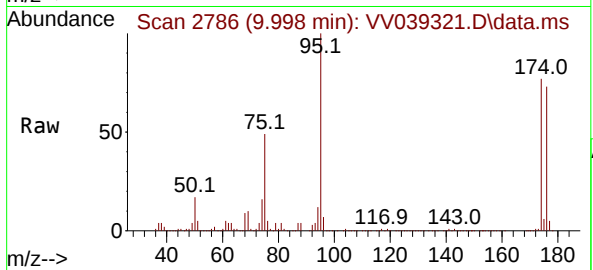
Tgt Ion: 95 Resp: 804695

Ion Ratio Lower Upper

95 100

174 77.9 0.0 153.6

176 74.1 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

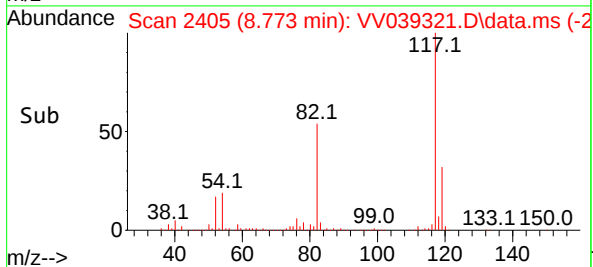
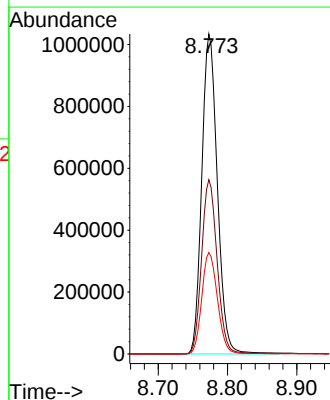
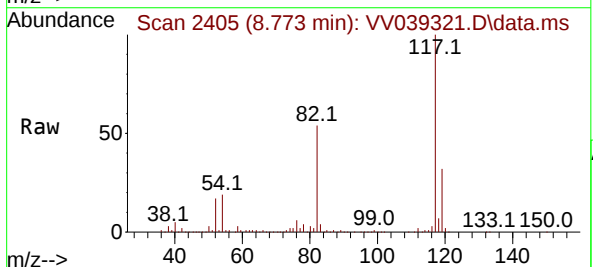
Tgt Ion: 117 Resp: 1614553

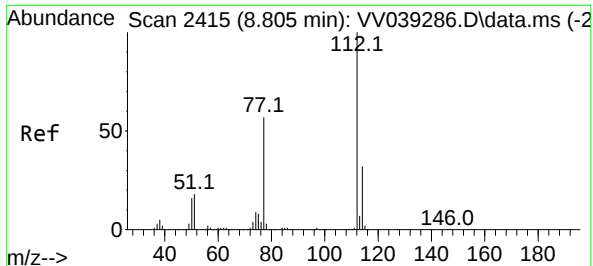
Ion Ratio Lower Upper

117 100

82 54.5 43.8 65.8

119 31.7 25.8 38.6





#65

Chlorobenzene

Concen: 54.724 ug/l

RT: 8.802 min Scan# 2415

Delta R.T. -0.003 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

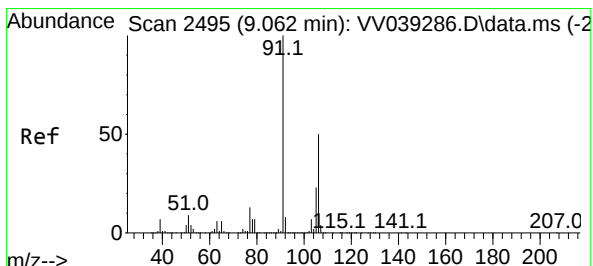
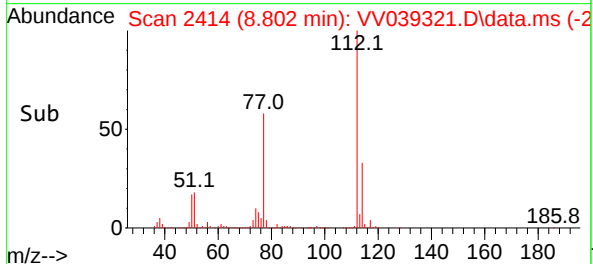
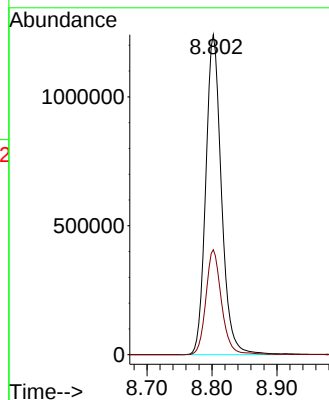
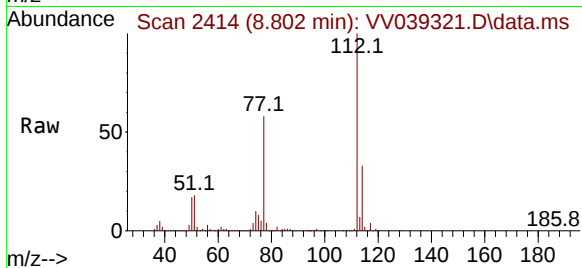
MW-6

Tgt Ion:112 Resp: 2091639

Ion Ratio Lower Upper

112 100

114 32.8 25.7 38.5



#68

m/p-Xylenes

Concen: 0.350 ug/l

RT: 9.075 min Scan# 2499

Delta R.T. 0.013 min

Lab File: VV039321.D

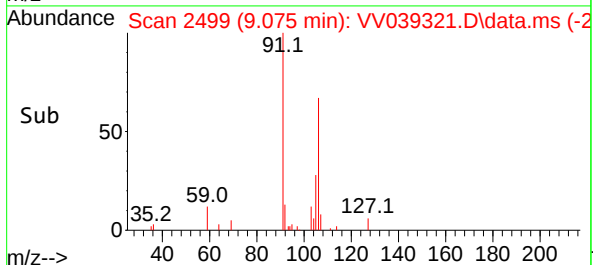
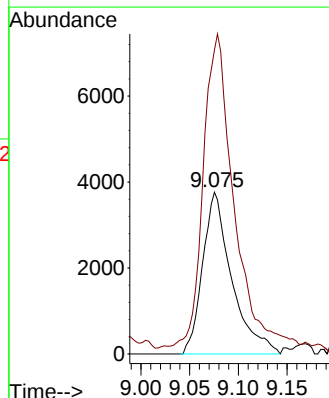
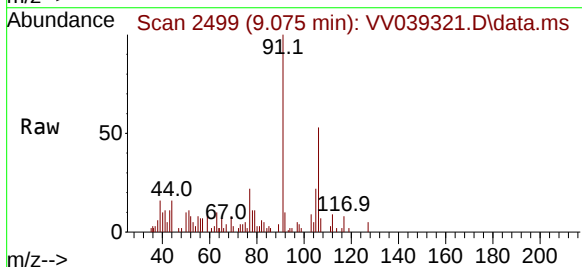
Acq: 04 Nov 2025 17:47

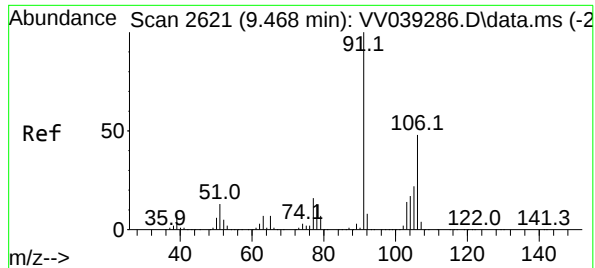
Tgt Ion:106 Resp: 7810

Ion Ratio Lower Upper

106 100

91 204.2 160.2 240.2





#69

o-Xylene

Concen: 0.680 ug/l

RT: 9.474 min Scan# 2

Delta R.T. 0.006 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

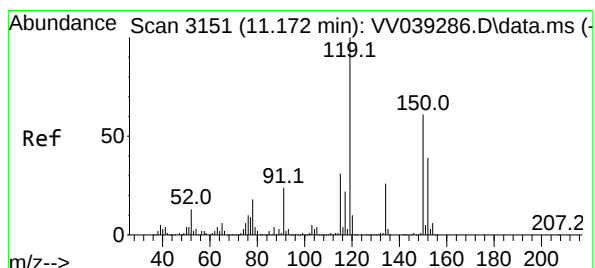
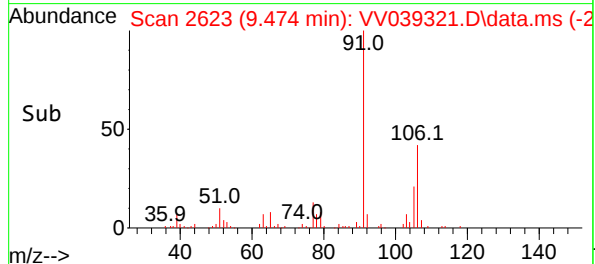
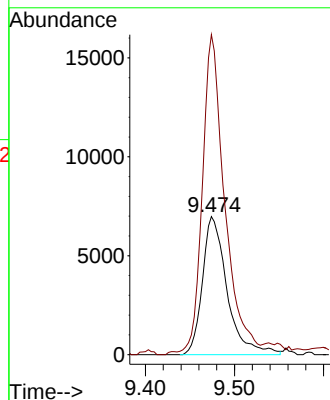
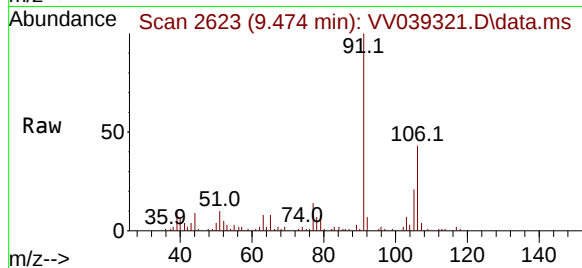
MW-6

Tgt Ion:106 Resp: 13414

Ion Ratio Lower Upper

106 100

91 210.9 105.8 317.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

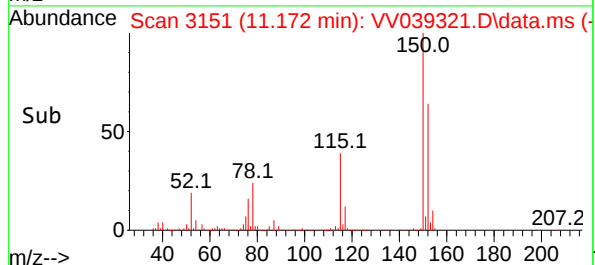
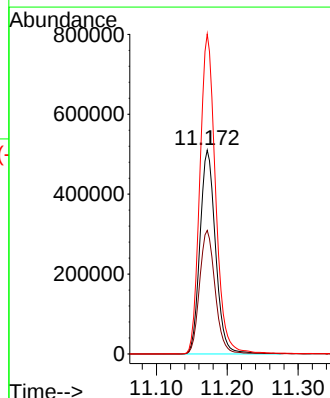
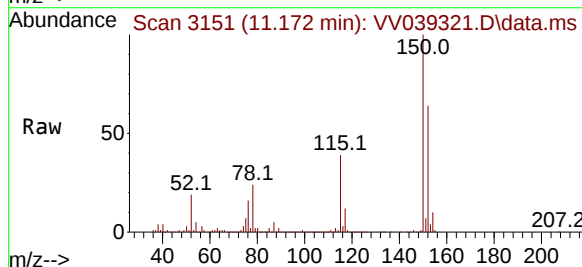
Tgt Ion:152 Resp: 779349

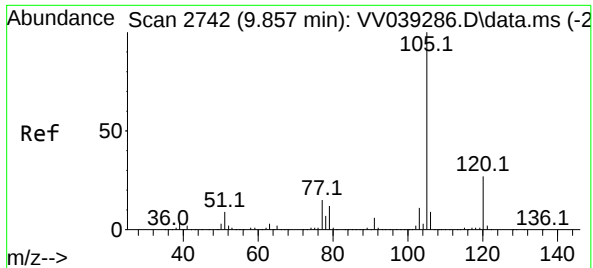
Ion Ratio Lower Upper

152 100

115 60.9 42.3 126.8

150 158.4 0.0 348.0

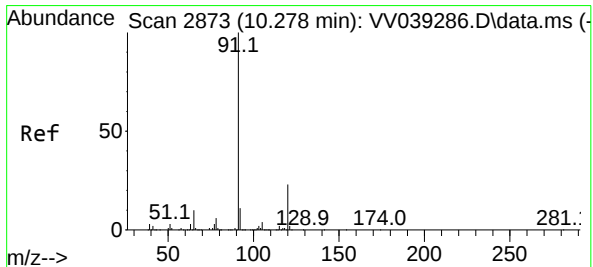
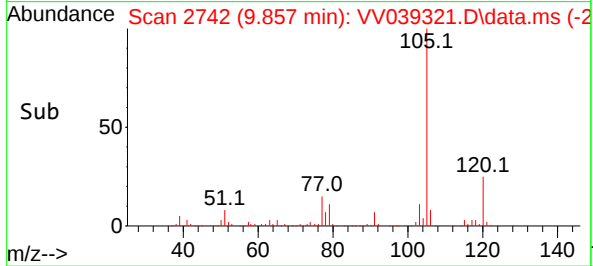
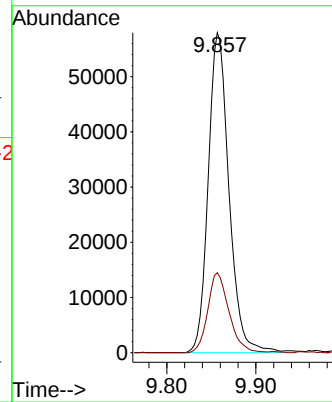
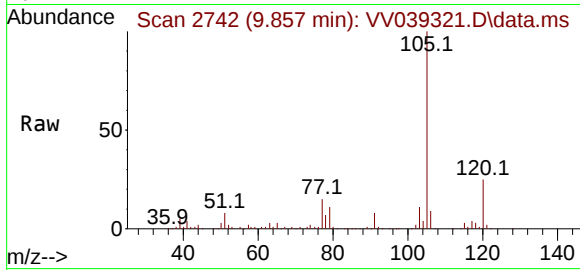




#73
Isopropylbenzene
Concen: 1.979 ug/l
RT: 9.857 min Scan# 21
Delta R.T. 0.000 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

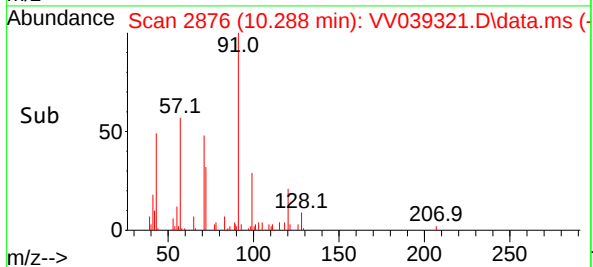
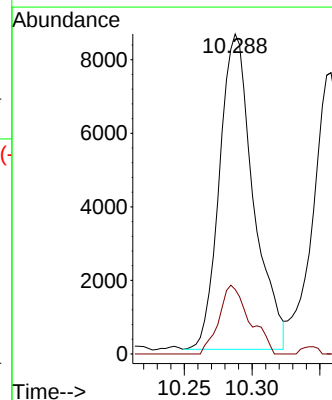
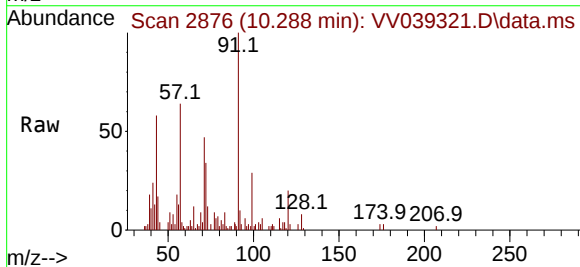
Instrument :
MSVOA_V
ClientSampleId :
MW-6

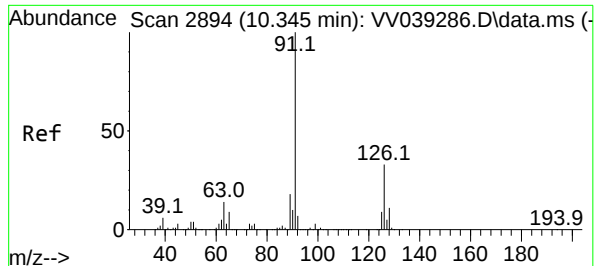
Tgt Ion:105 Resp: 93652
Ion Ratio Lower Upper
105 100
120 25.5 13.2 39.5



#78
n-propylbenzene
Concen: 0.260 ug/l
RT: 10.288 min Scan# 2876
Delta R.T. 0.010 min
Lab File: VV039321.D
Acq: 04 Nov 2025 17:47

Tgt Ion: 91 Resp: 14925
Ion Ratio Lower Upper
91 100
120 19.7 11.5 34.5





#79

2-Chlorotoluene

Concen: 0.394 ug/l

RT: 10.358 min Scan# 21

Delta R.T. 0.013 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

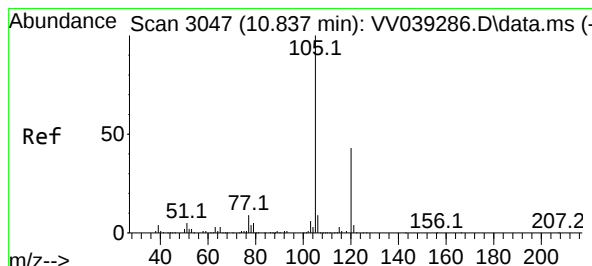
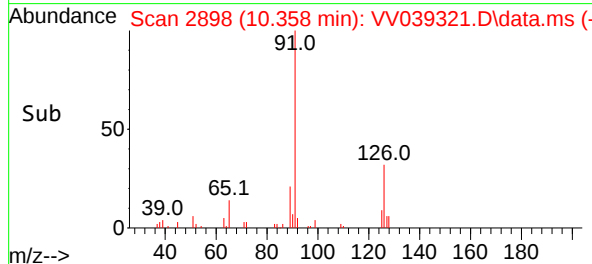
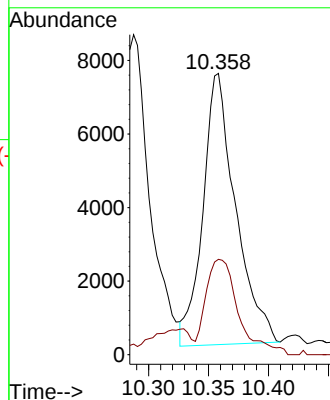
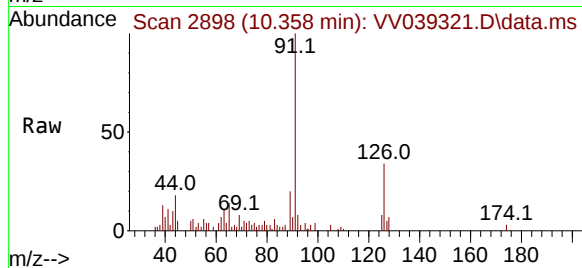
MW-6

Tgt Ion: 91 Resp: 13979

Ion Ratio Lower Upper

91 100

126 35.0 16.9 50.6



#84

1,2,4-Trimethylbenzene

Concen: 0.211 ug/l

RT: 10.850 min Scan# 3051

Delta R.T. 0.013 min

Lab File: VV039321.D

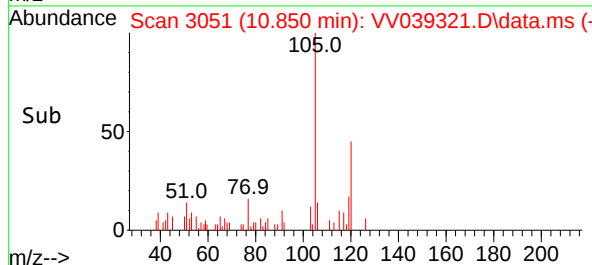
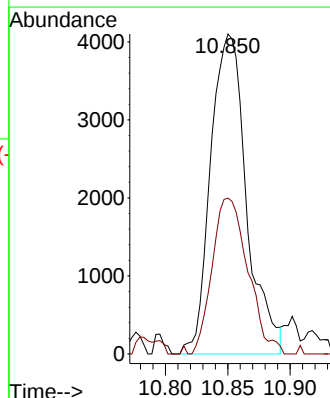
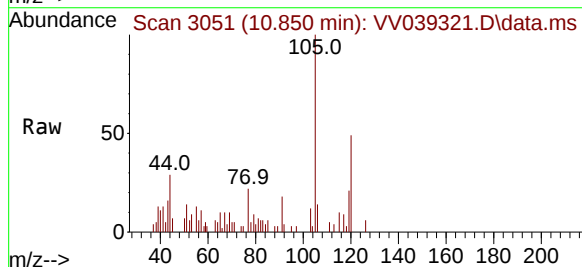
Acq: 04 Nov 2025 17:47

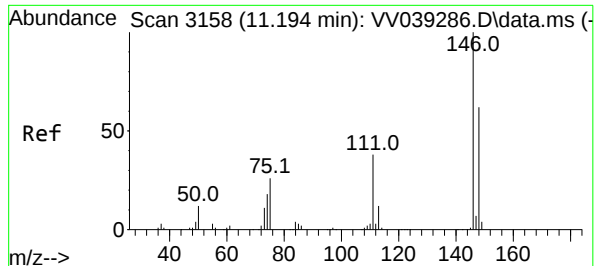
Tgt Ion: 105 Resp: 8227

Ion Ratio Lower Upper

105 100

120 48.4 22.8 68.4





#88

1,4-Dichlorobenzene

Concen: 4.096 ug/l

RT: 11.197 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

Instrument :

MSVOA_V

ClientSampleId :

MW-6

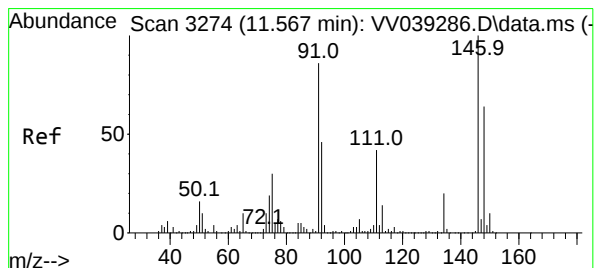
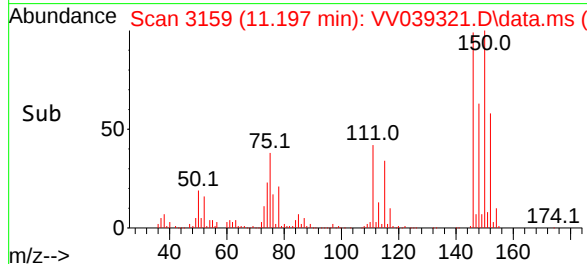
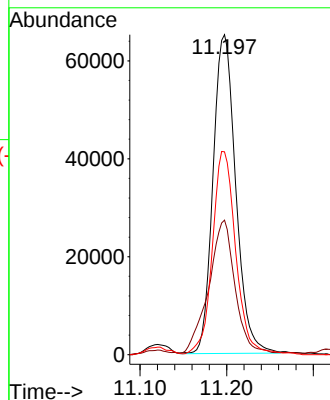
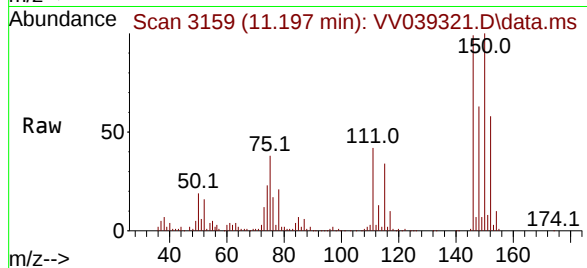
Tgt Ion:146 Resp: 118949

Ion Ratio Lower Upper

146 100

111 48.3 19.7 59.0

148 65.9 31.5 94.5



#91

1,2-Dichlorobenzene

Concen: 2.758 ug/l

RT: 11.570 min Scan# 3275

Delta R.T. 0.003 min

Lab File: VV039321.D

Acq: 04 Nov 2025 17:47

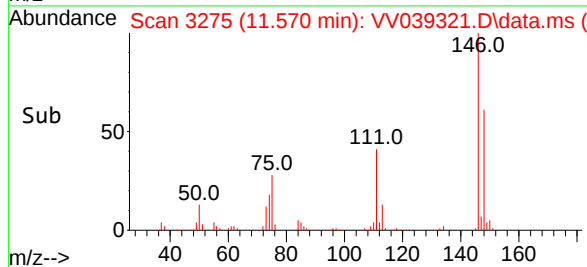
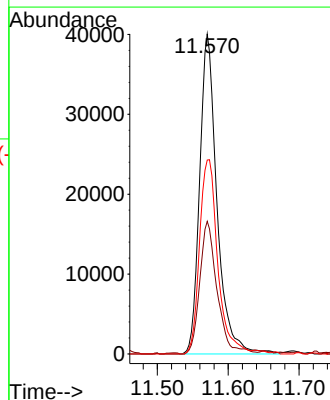
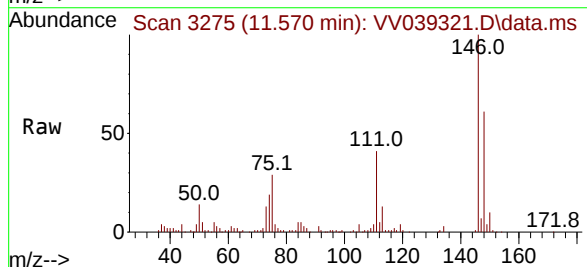
Tgt Ion:146 Resp: 68077

Ion Ratio Lower Upper

146 100

111 41.5 21.3 64.0

148 63.8 31.9 95.7



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039321.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.127	20	27	38	rVB	778200	937658	16.67%	1.790%
2	1.204	38	51	72	rBV	2015145	5625132	100.00%	10.739%
3	1.918	265	273	294	rBV	635216	1064784	18.93%	2.033%
4	2.127	330	338	361	rVB3	75482	158925	2.83%	0.303%
5	2.568	466	475	495	rVB2	73974	166010	2.95%	0.317%
6	3.214	660	676	710	rBV	1585211	4197238	74.62%	8.013%
7	3.802	842	859	897	rBV2	135578	478043	8.50%	0.913%
8	4.240	983	995	1039	rBV3	222275	692165	12.30%	1.321%
9	4.500	1060	1076	1095	rBV2	769905	2024808	36.00%	3.866%
10	4.600	1095	1107	1157	rVB	1073423	2960681	52.63%	5.652%
11	4.940	1200	1213	1227	rBV	811108	1912171	33.99%	3.651%
12	5.011	1227	1235	1259	rVV2	337762	884805	15.73%	1.689%
13	5.114	1260	1267	1290	rVV3	46295	134395	2.39%	0.257%
14	5.214	1290	1298	1334	rVB3	99535	274985	4.89%	0.525%
15	5.529	1384	1396	1434	rBV	1763610	4009194	71.27%	7.654%
16	7.236	1915	1927	1954	rBV	3005475	5470536	97.25%	10.444%
17	7.403	1971	1979	2001	rVB2	54277	121866	2.17%	0.233%
18	8.146	2201	2210	2220	rBV5	26750	56779	1.01%	0.108%
19	8.773	2394	2405	2409	rBV	3079975	4633900	82.38%	8.847%
20	8.802	2410	2414	2425	rVB	3650836	5099397	90.65%	9.736%
21	8.860	2426	2432	2437	rBV	245490	329547	5.86%	0.629%
22	9.474	2617	2623	2639	rVB	45015	78743	1.40%	0.150%
23	9.641	2664	2675	2691	rBV2	94095	162669	2.89%	0.311%
24	9.857	2732	2742	2760	rBV	145371	243364	4.33%	0.465%
25	9.998	2776	2786	2811	rBV	2427661	3796707	67.50%	7.248%
26	10.288	2867	2876	2892	rBV5	46991	98289	1.75%	0.188%
27	10.667	2985	2994	3014	rBV	63480	113254	2.01%	0.216%
28	11.172	3140	3151	3173	rBV	2997830	5044746	89.68%	9.631%
29	11.416	3219	3227	3231	rBV2	66259	92891	1.65%	0.177%
30	11.451	3231	3238	3254	rVB	203549	357538	6.36%	0.683%
31	11.570	3266	3275	3298	rVB	164446	303697	5.40%	0.580%
32	11.943	3383	3391	3407	rBV2	55930	105781	1.88%	0.202%
33	12.040	3414	3421	3446	rVB4	39583	94713	1.68%	0.181%
34	12.339	3507	3514	3523	rBV3	43566	66287	1.18%	0.127%
35	12.586	3580	3591	3602	rBV4	64571	118032	2.10%	0.225%
36	12.808	3646	3660	3672	rBV3	90608	171413	3.05%	0.327%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Integration Parameters: RTEINT.P
Integrator: RTE
Smoothing : ON Filtering: 5
Sampling : 1 Min Area: 3 % of largest Peak
Start Thrs: 0.2 Max Peaks: 100
Stop Thrs : 0 Peak Location: TOP

If leading or trailing edge < 100 prefer < Baseline drop else tangent >
Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Title : SW846 8260

37	14.557	4196	4204	4227	rVB	87504	173069	3.08%	0.330%
38	14.741	4251	4261	4277	rBV2	72092	125153	2.22%	0.239%

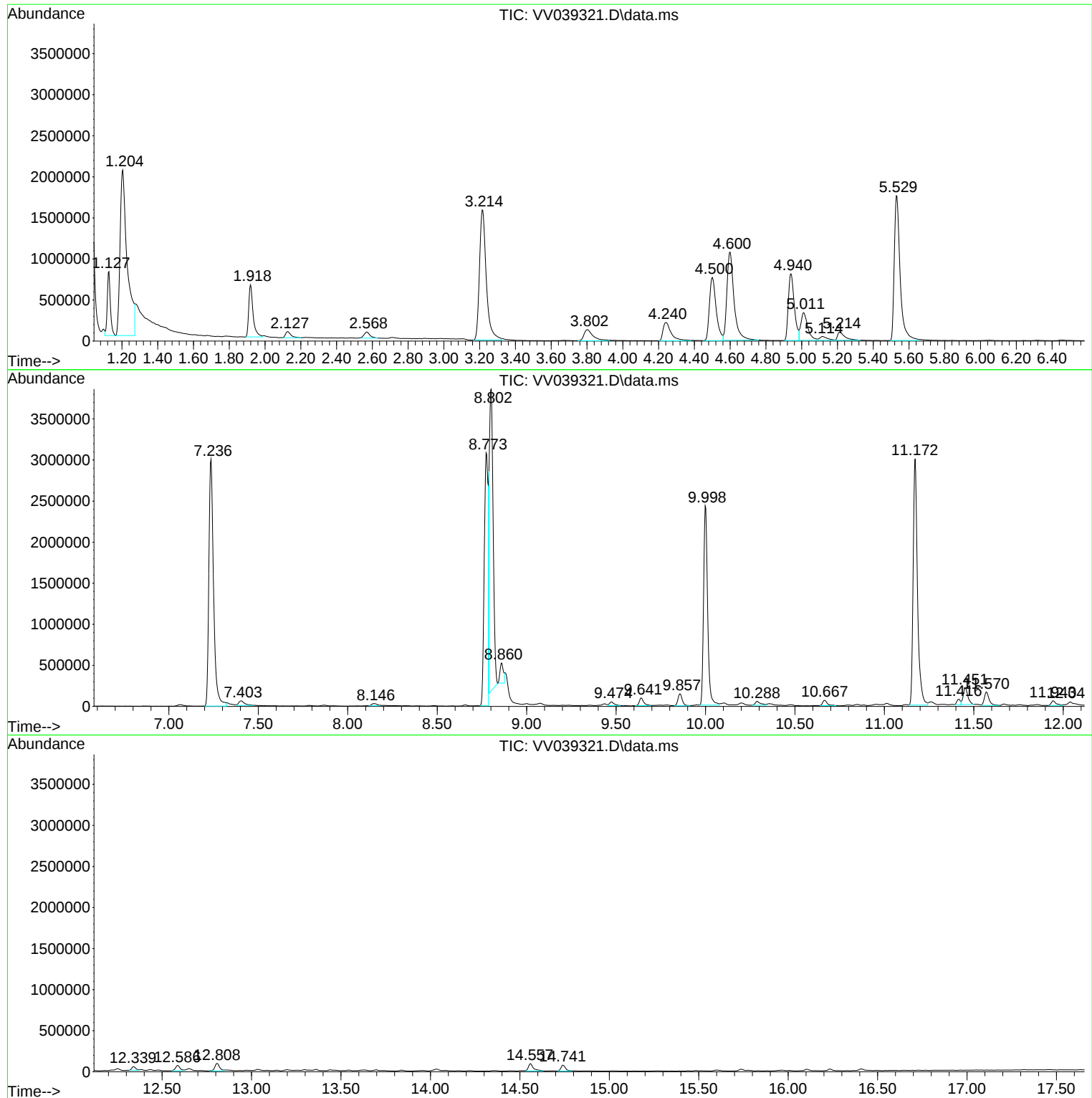
Sum of corrected areas: 52379365

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



A
B
C
D
E
F
G
H
I
J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039321.D
Acq On : 04 Nov 2025 17:47
Operator : SY/MD
Sample : Q3534-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 17 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-6

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039322.D
 Acq On : 04 Nov 2025 18:09
 Operator : SY/MD
 Sample : Q3534-02
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-1

Quant Time: Nov 05 00:41:03 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

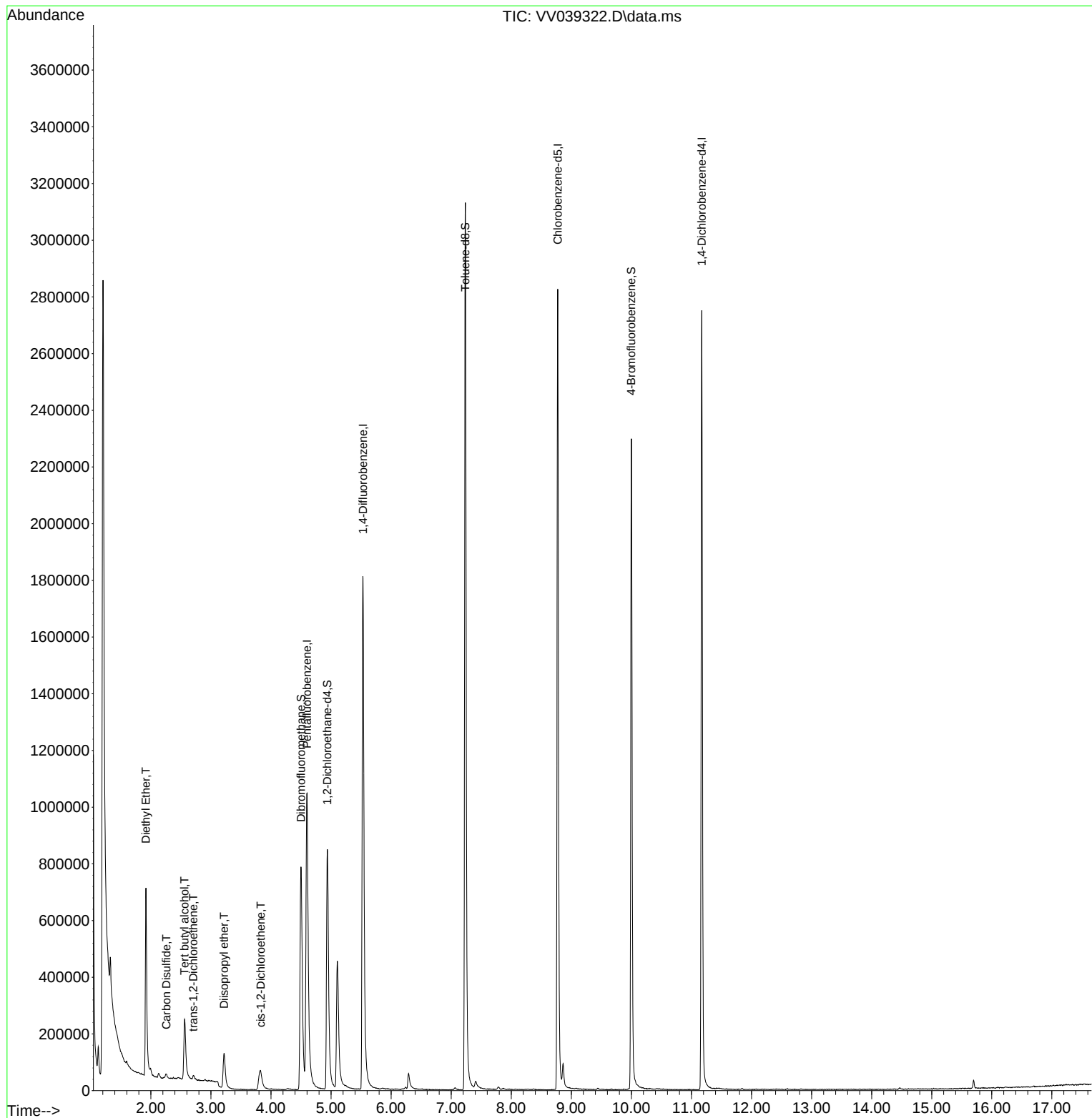
Internal Standards						
1) Pentafluorobenzene	4.600	168	916194	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1787762	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1600815	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	725582	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	755450	58.028	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 116.060%	
35) Dibromofluoromethane	4.500	113	668222	47.438	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 94.880%	
50) Toluene-d8	7.236	98	2225824	46.448	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 92.900%	
62) 4-Bromofluorobenzene	9.998	95	776019	45.470	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 90.940%	
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.918	74	270465	35.620	ug/l	98
11) Tert butyl alcohol	2.561	59	266760	105.733	ug/l	99
17) Carbon Disulfide	2.259	76	25913	0.743	ug/l #	92
21) trans-1,2-Dichloroethene	2.706	96	4905	0.377	ug/l	84
22) Diisopropyl ether	3.220	45	130825	3.721	ug/l #	34
27) cis-1,2-Dichloroethene	3.831	96	23404	1.797	ug/l	95

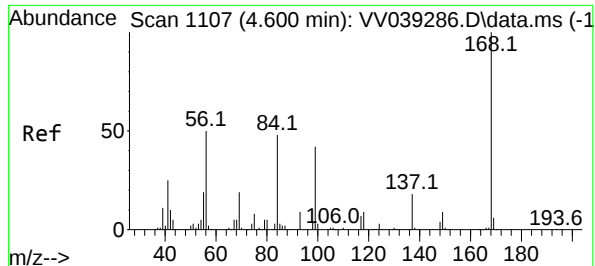
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Time: Nov 05 00:41:03 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

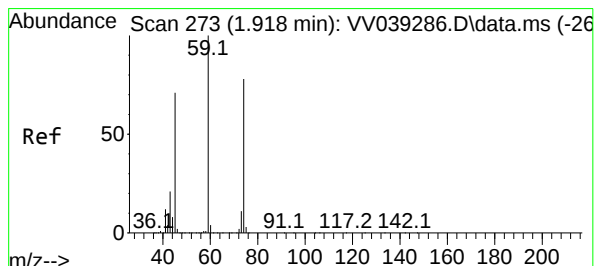
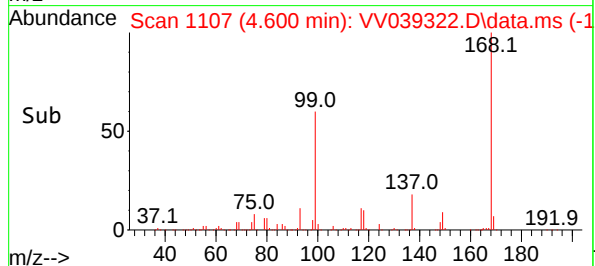
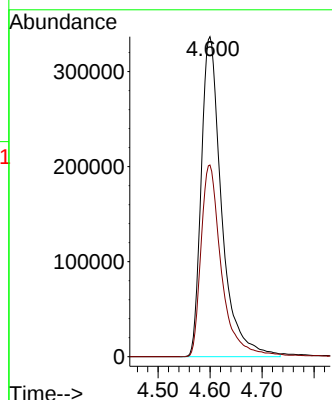
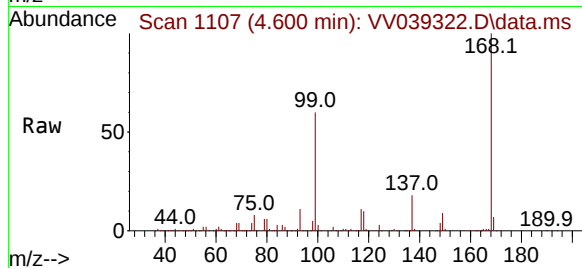




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

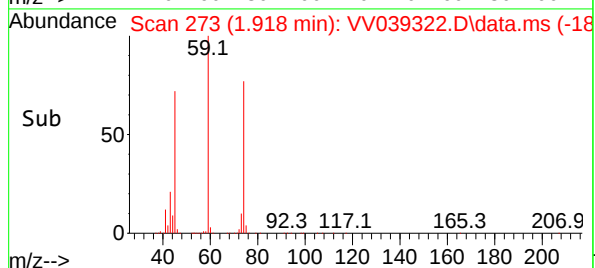
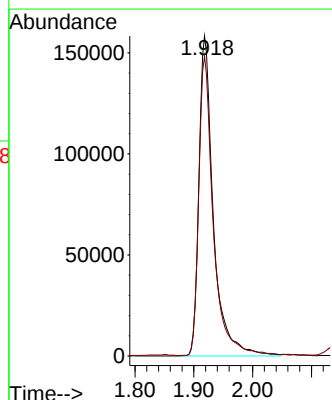
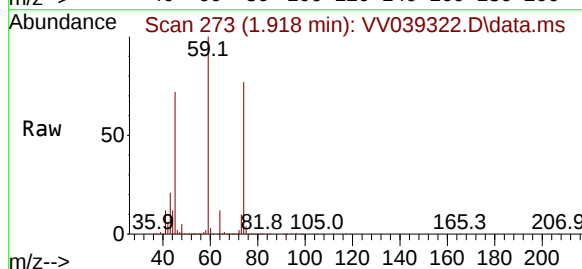
Instrument :
MSVOA_V
ClientSampleId :
MW-1

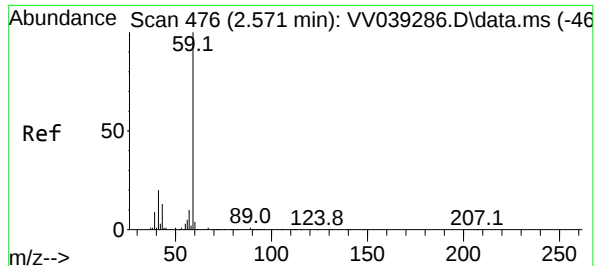
Tgt Ion:168 Resp: 916194
Ion Ratio Lower Upper
168 100
99 59.9 46.6 70.0



#8
Diethyl Ether
Concen: 35.620 ug/l
RT: 1.918 min Scan# 273
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 74 Resp: 270465
Ion Ratio Lower Upper
74 100
45 93.7 45.9 137.7





#11

Tert butyl alcohol

Concen: 105.733 ug/l

RT: 2.561 min Scan# 41

Delta R.T. -0.010 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

Instrument :

MSVOA_V

ClientSampleId :

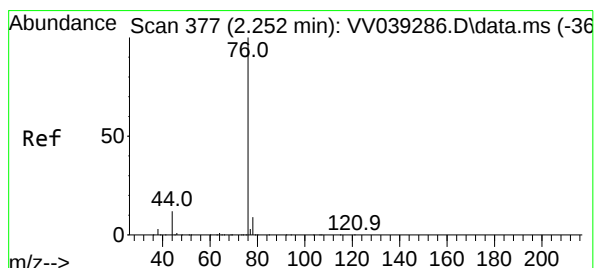
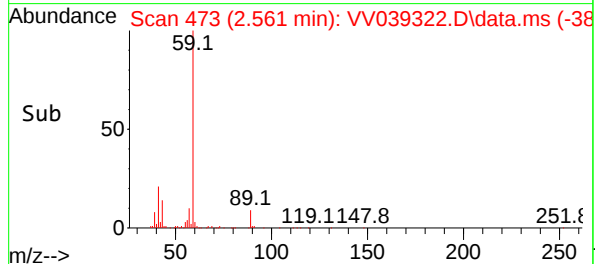
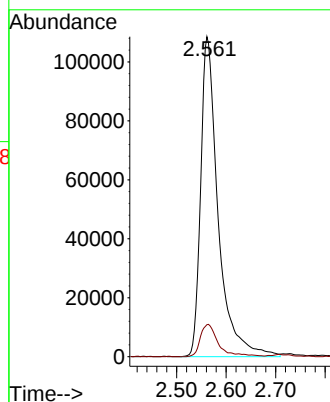
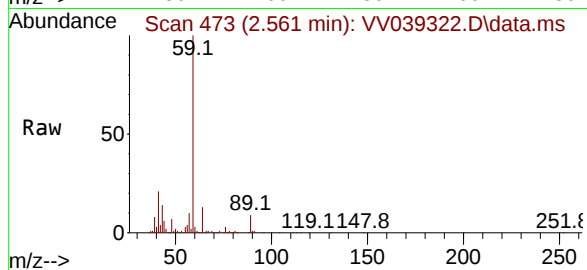
MW-1

Tgt Ion: 59 Resp: 266760

Ion Ratio Lower Upper

59 100

57 9.8 8.1 12.1



#17

Carbon Disulfide

Concen: 0.743 ug/l

RT: 2.259 min Scan# 379

Delta R.T. 0.007 min

Lab File: VV039322.D

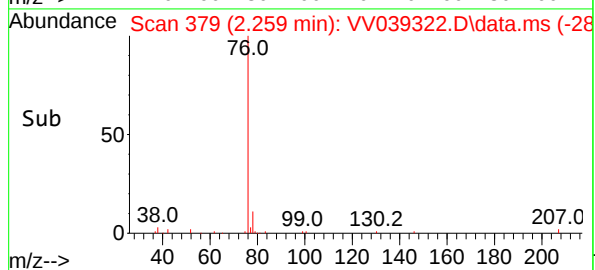
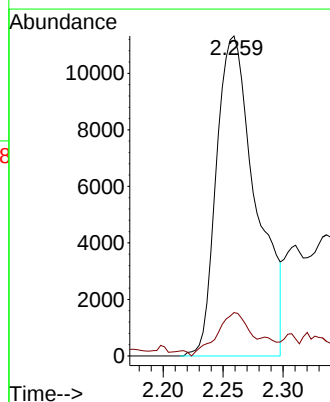
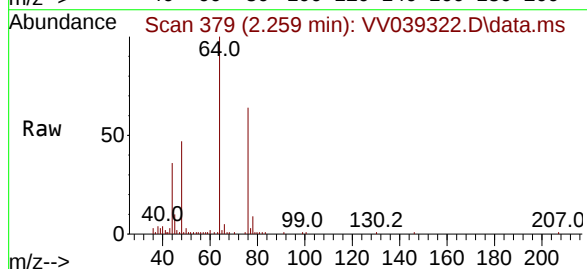
Acq: 04 Nov 2025 18:09

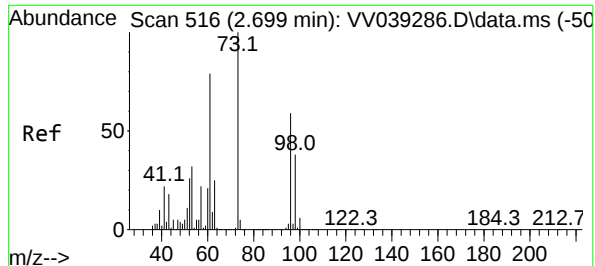
Tgt Ion: 76 Resp: 25913

Ion Ratio Lower Upper

76 100

78 12.0 7.4 11.0#





#21

trans-1,2-Dichloroethene

Concen: 0.377 ug/l

RT: 2.706 min Scan# 516

Delta R.T. 0.007 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

Instrument :

MSVOA_V

ClientSampleId :

MW-1

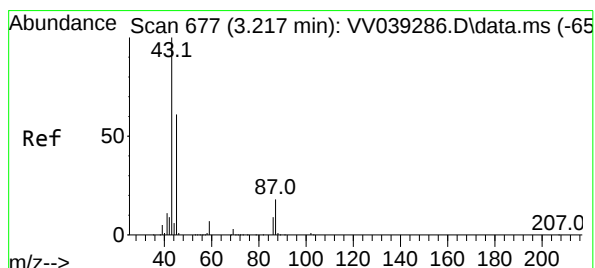
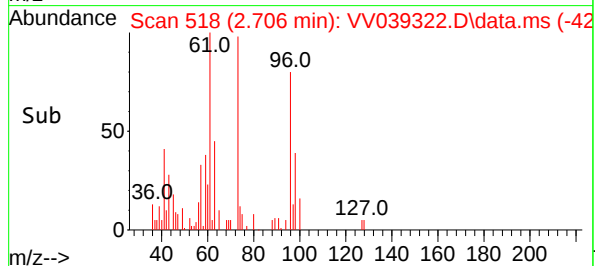
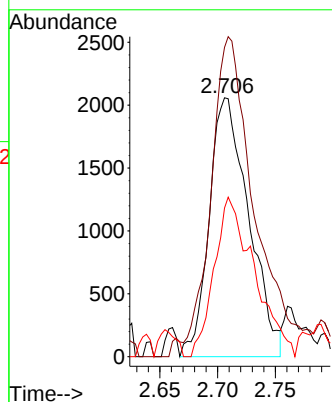
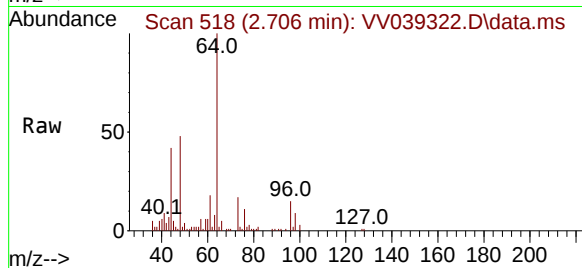
Tgt Ion: 96 Resp: 4905

Ion Ratio Lower Upper

96 100

61 113.8 106.8 160.2

98 51.8 51.1 76.7



#22

Diisopropyl ether

Concen: 3.721 ug/l

RT: 3.220 min Scan# 678

Delta R.T. 0.003 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

Tgt Ion: 45 Resp: 130825

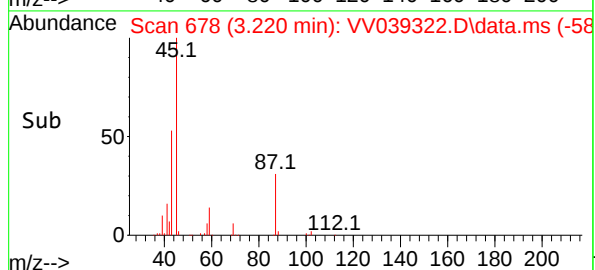
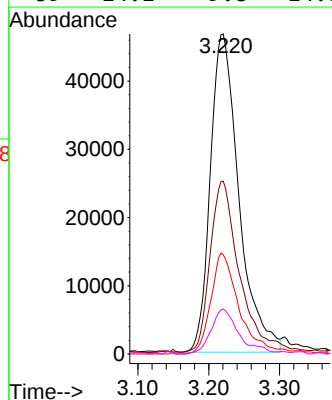
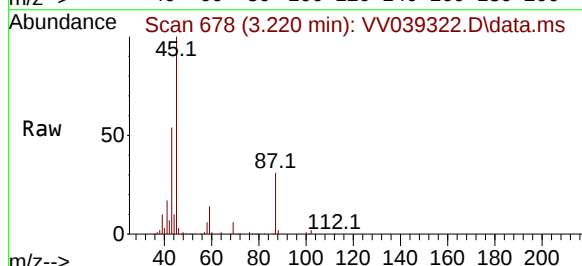
Ion Ratio Lower Upper

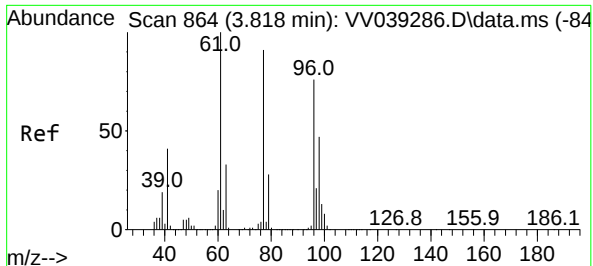
45 100

43 53.7 130.8 196.2#

87 31.2 23.8 35.8

59 14.1 9.8 14.8

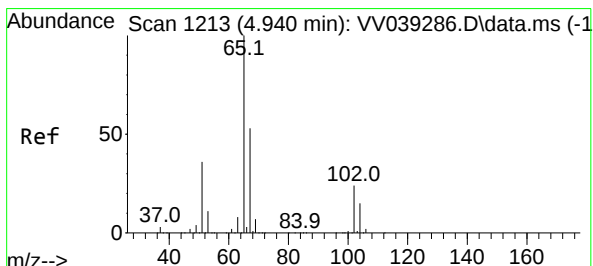
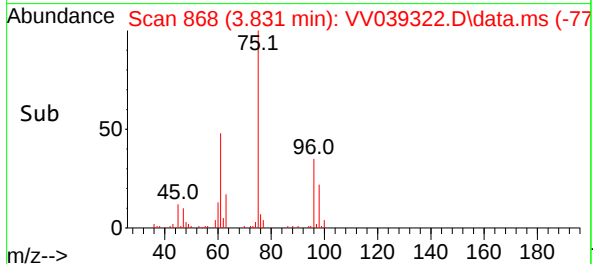
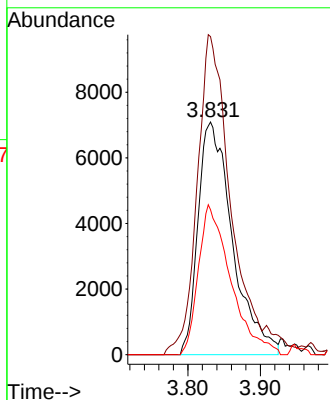
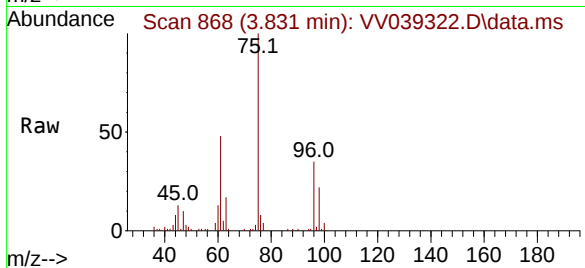




#27
 cis-1,2-Dichloroethene
 Concen: 1.797 ug/l
 RT: 3.831 min Scan# 80
 Delta R.T. 0.013 min
 Lab File: VV039322.D
 Acq: 04 Nov 2025 18:09

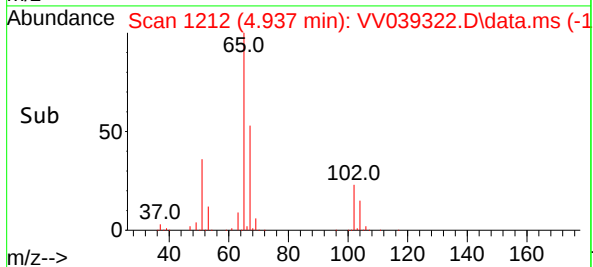
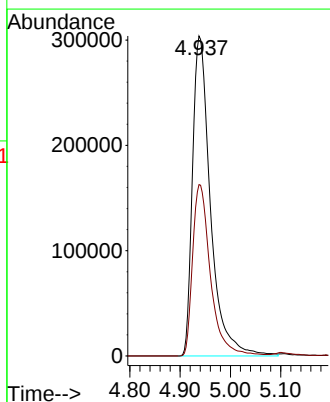
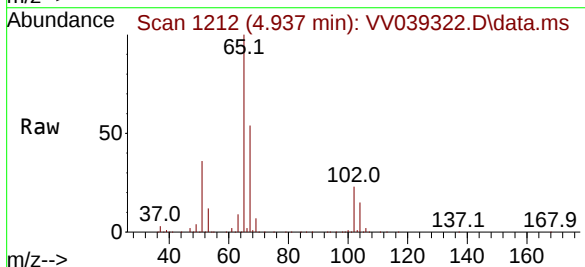
Instrument :
 MSVOA_V
 ClientSampleId :
 MW-1

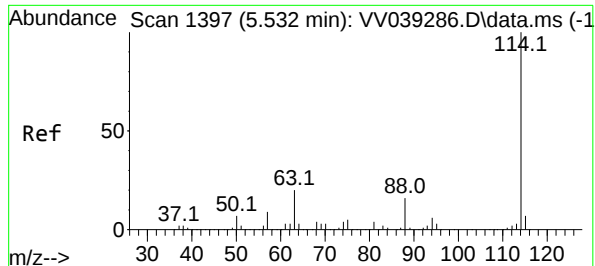
Tgt Ion: 96 Resp: 23404
 Ion Ratio Lower Upper
 96 100
 61 130.5 0.0 275.0
 98 60.5 0.0 127.8



#33
 1,2-Dichloroethane-d4
 Concen: 58.028 ug/l
 RT: 4.937 min Scan# 1212
 Delta R.T. -0.003 min
 Lab File: VV039322.D
 Acq: 04 Nov 2025 18:09

Tgt Ion: 65 Resp: 755450
 Ion Ratio Lower Upper
 65 100
 67 53.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 114

Delta R.T. 0.000 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

Instrument :

MSVOA_V

ClientSampleId :

MW-1

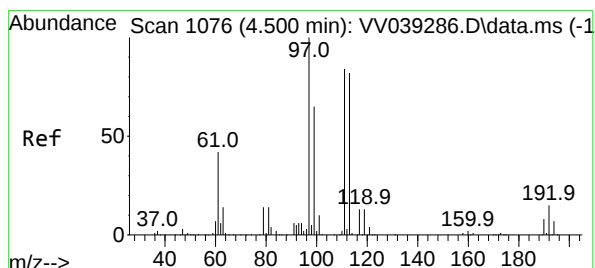
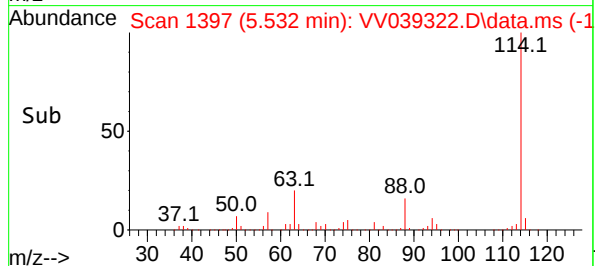
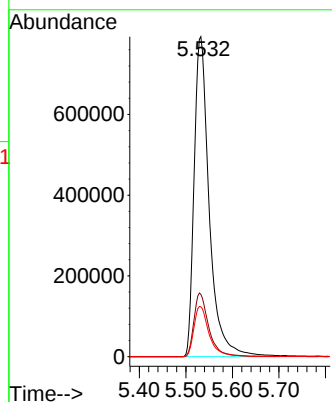
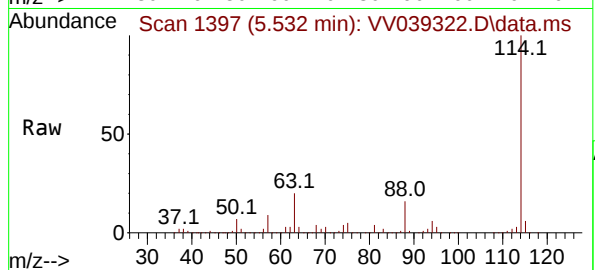
Tgt Ion:114 Resp: 1787762

Ion Ratio Lower Upper

114 100

63 19.5 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.438 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039322.D

Acq: 04 Nov 2025 18:09

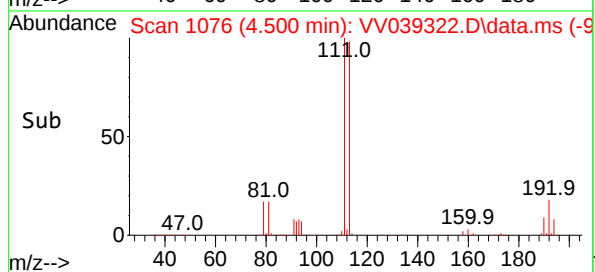
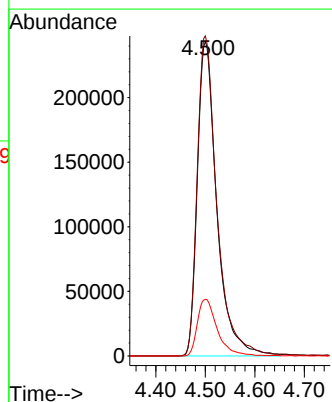
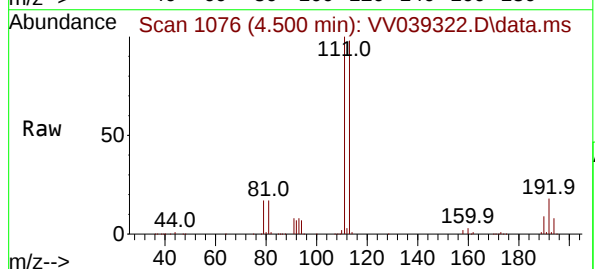
Tgt Ion:113 Resp: 668222

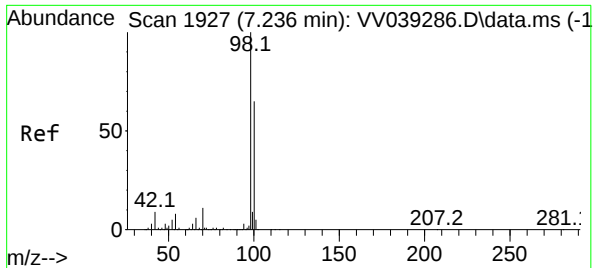
Ion Ratio Lower Upper

113 100

111 102.7 82.0 123.0

192 18.3 14.3 21.5

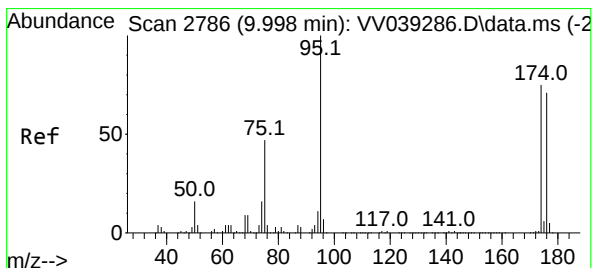
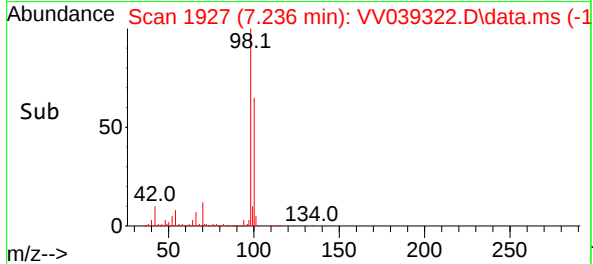
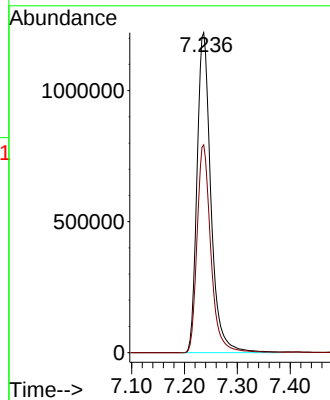
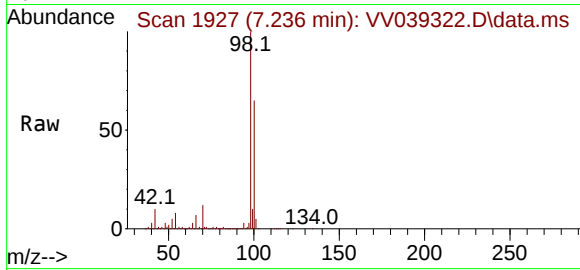




#50
Toluene-d8
Concen: 46.448 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

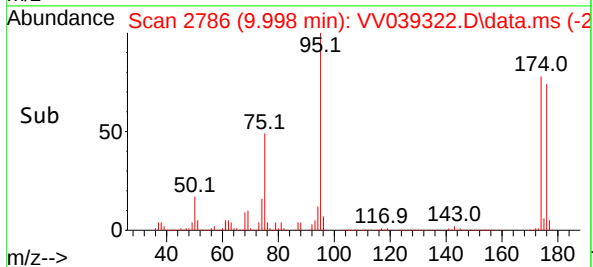
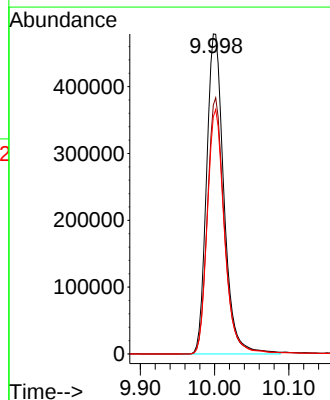
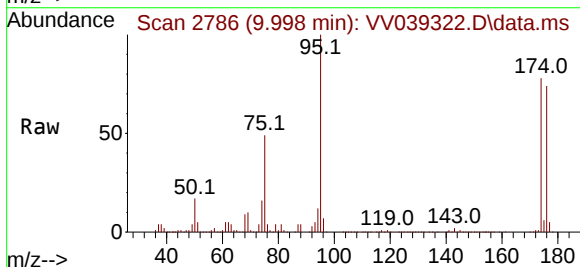
Instrument :
MSVOA_V
ClientSampleId :
MW-1

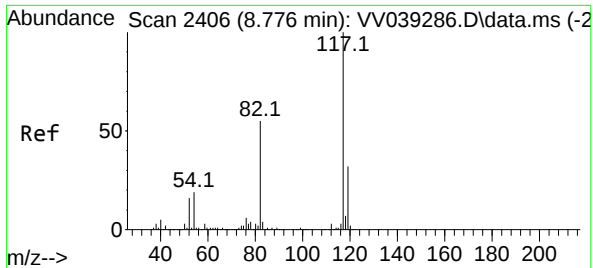
Tgt Ion: 98 Resp: 2225824
Ion Ratio Lower Upper
98 100
100 64.6 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 45.470 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion: 95 Resp: 776019
Ion Ratio Lower Upper
95 100
174 79.2 0.0 153.6
176 75.5 0.0 146.0

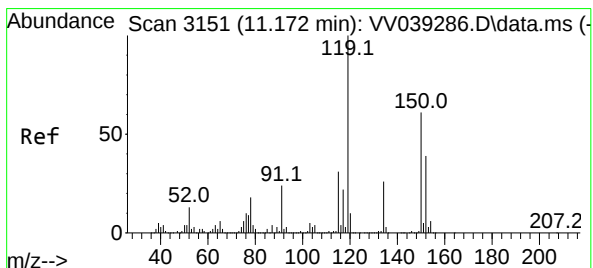
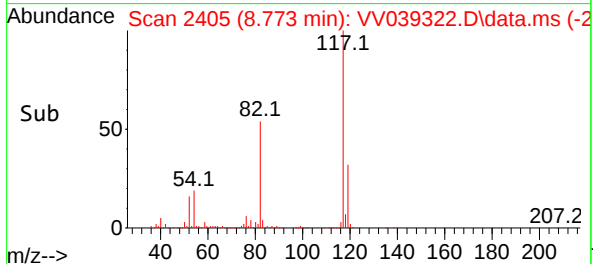
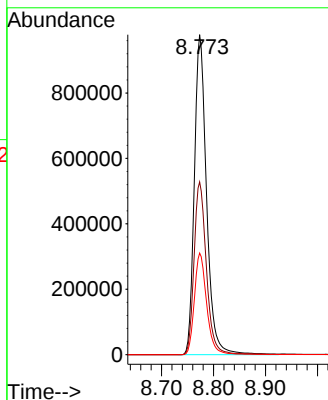
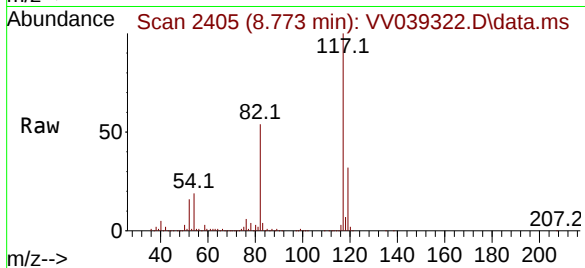




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

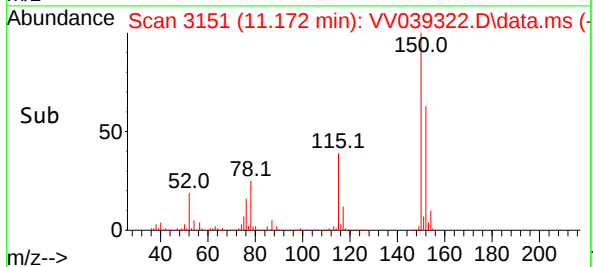
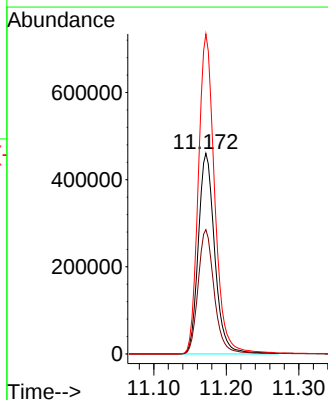
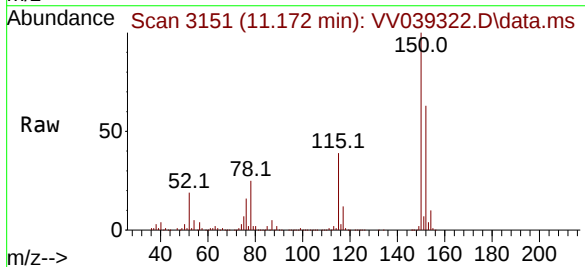
Instrument :
MSVOA_V
ClientSampleId :
MW-1

Tgt Ion:117 Resp: 1600815
Ion Ratio Lower Upper
117 100
82 54.0 43.8 65.8
119 31.8 25.8 38.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039322.D
Acq: 04 Nov 2025 18:09

Tgt Ion:152 Resp: 725582
Ion Ratio Lower Upper
152 100
115 61.1 42.3 126.8
150 158.4 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

A
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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\82V100725W.M
Title : SW846 8260

Signal : TIC: VV039322.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.124	21	26	37	rVB2	97003	131126	1.58%	0.315%
2	1.204	38	51	83	rBV	2800451	8314774	100.00%	19.952%
3	1.918	264	273	294	rBV	660447	1111835	13.37%	2.668%
4	2.561	463	473	499	rBV2	205814	471318	5.67%	1.131%
5	3.220	665	678	703	rVB2	120357	316936	3.81%	0.760%
6	3.825	841	866	892	rBV3	68394	277660	3.34%	0.666%
7	4.500	1058	1076	1094	rBV	786463	2079209	25.01%	4.989%
8	4.600	1095	1107	1141	rVB	1028696	2776192	33.39%	6.662%
9	4.937	1200	1212	1242	rBV	844812	2073532	24.94%	4.976%
10	5.105	1252	1264	1303	rBV	443065	1173985	14.12%	2.817%
11	5.529	1381	1396	1452	rBV	1809209	4124598	49.61%	9.897%
12	6.291	1624	1633	1665	rVB2	53862	132143	1.59%	0.317%
13	7.236	1911	1927	1970	rBV	3129475	5767042	69.36%	13.838%
14	8.773	2390	2405	2425	rBV	2823249	4658047	56.02%	11.177%
15	8.863	2426	2433	2458	rVB2	86137	181235	2.18%	0.435%
16	10.001	2775	2787	2815	rBV	2291995	3722039	44.76%	8.931%
17	11.172	3135	3151	3190	rBV	2748700	4363026	52.47%	10.469%

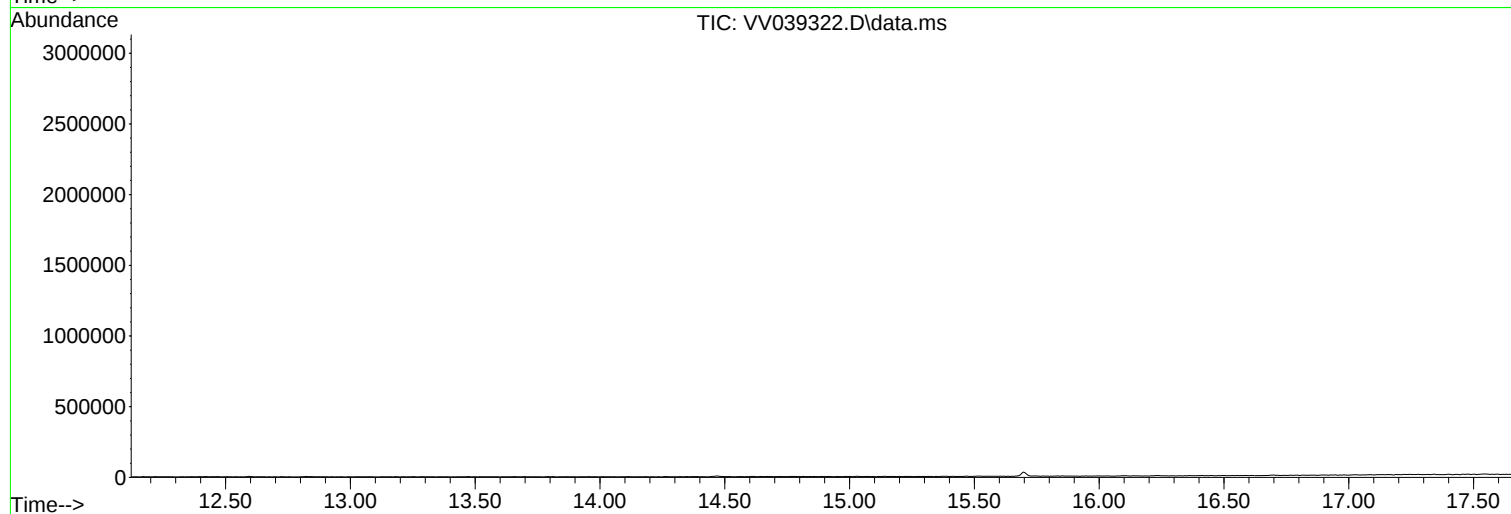
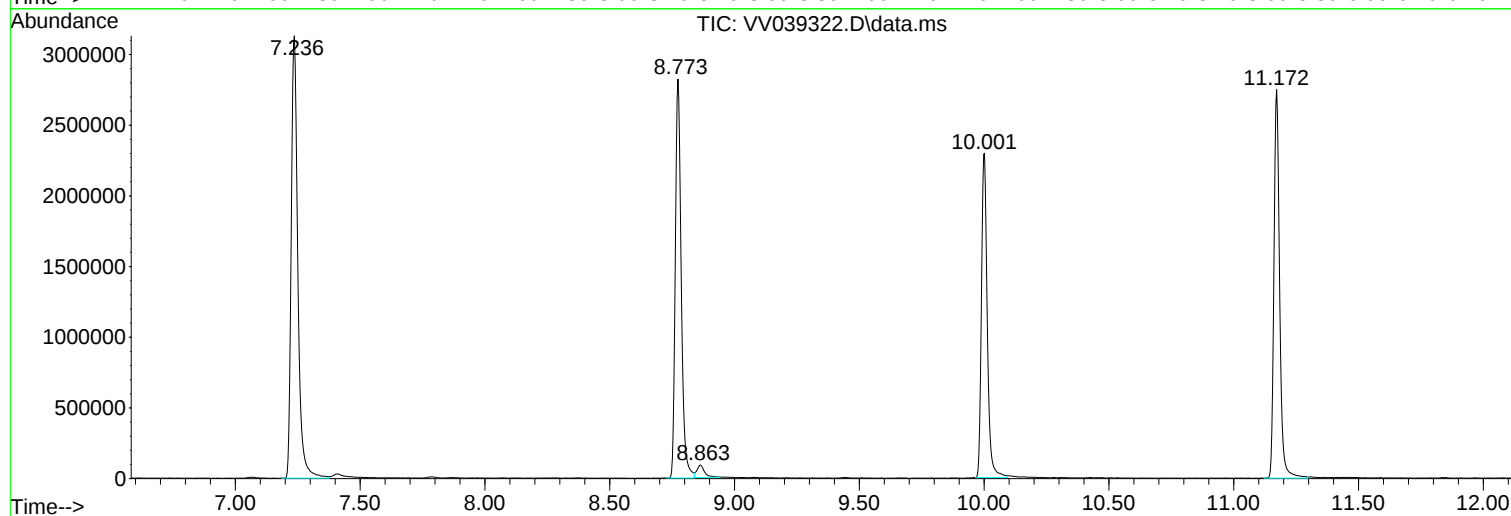
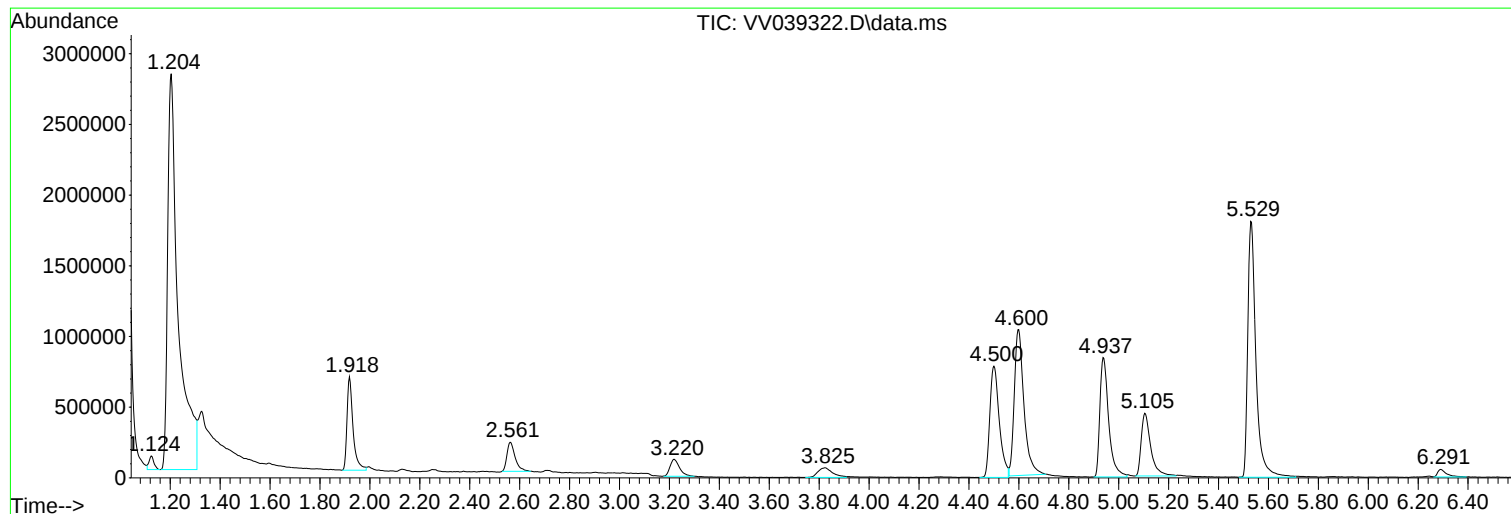
Sum of corrected areas: 41674697

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039322.D
Acq On : 04 Nov 2025 18:09
Operator : SY/MD
Sample : Q3534-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 18 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

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

A
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J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Time: Nov 06 00:14:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.593	168	938043	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1744872	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.770	117	1594094	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	693574	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	730166	54.780	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	109.560%
35) Dibromofluoromethane	4.494	113	646489	47.023	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	94.040%
50) Toluene-d8	7.233	98	2079730	44.466	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	88.940%#
62) 4-Bromofluorobenzene	9.998	95	694449	41.691	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	83.380%#

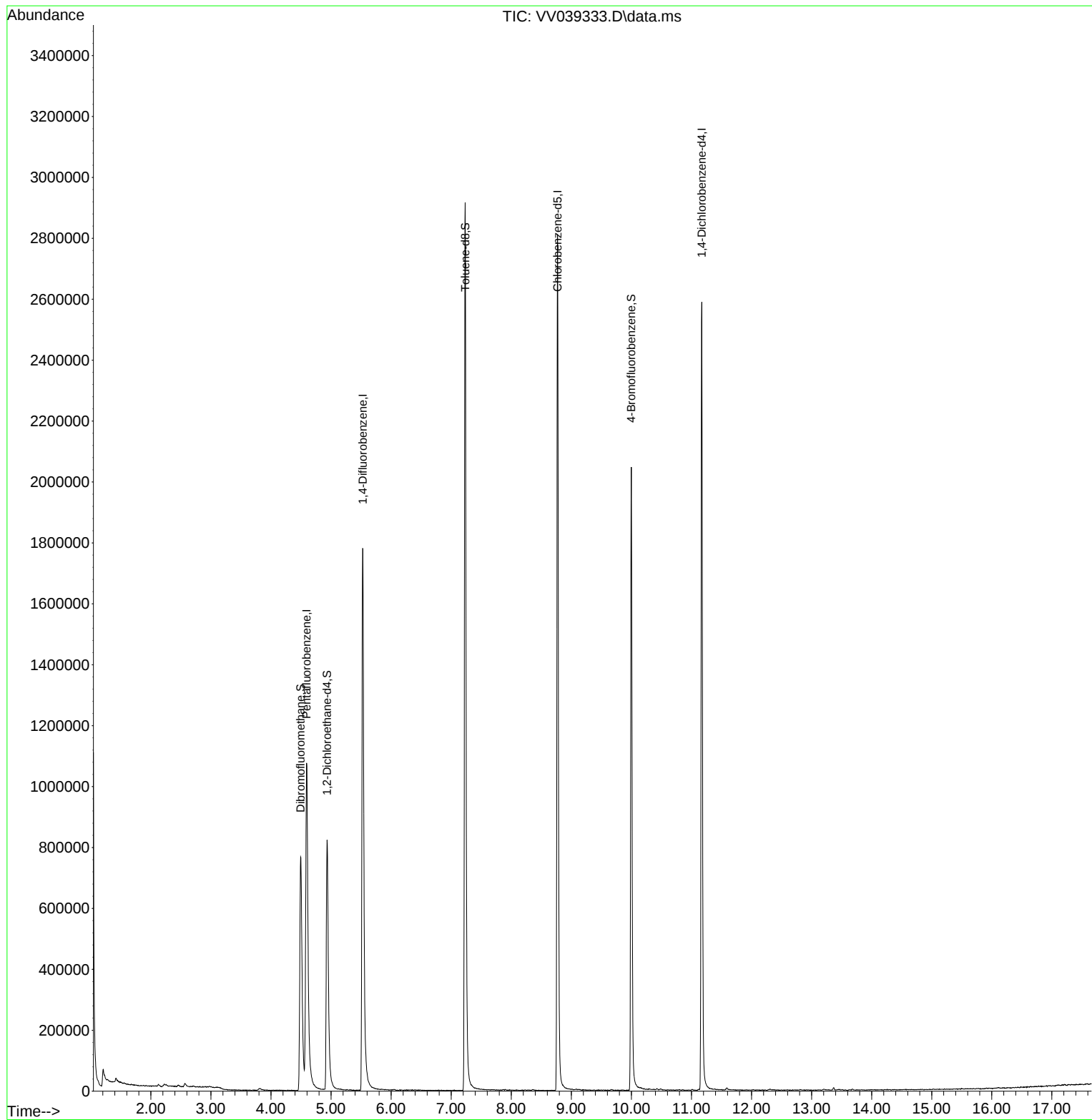
Target Compounds	Qvalue
------------------	--------

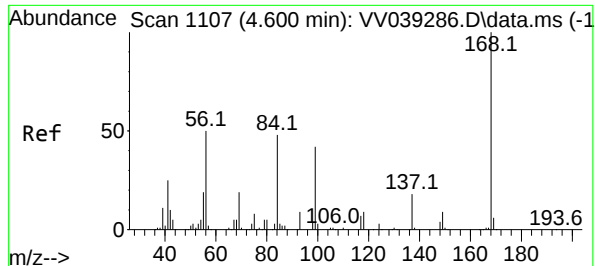
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Time: Nov 06 00:14:37 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

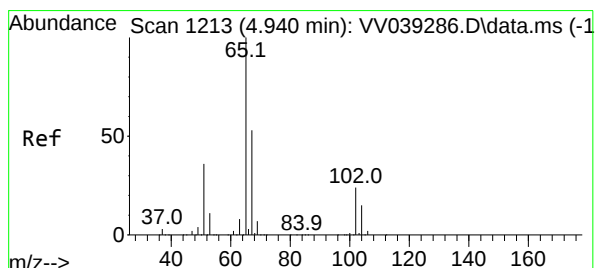
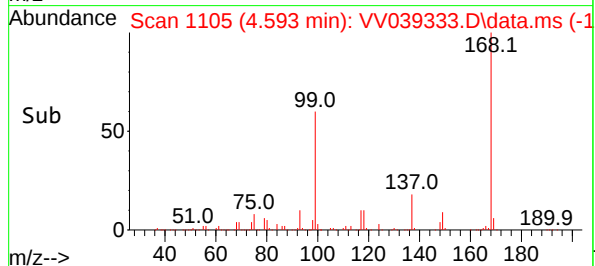
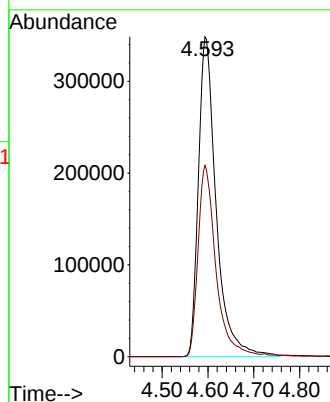
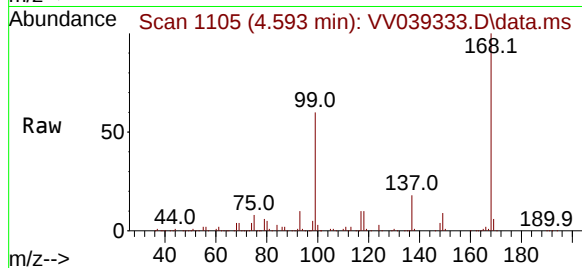




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.593 min Scan# 1105
Delta R.T. -0.007 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

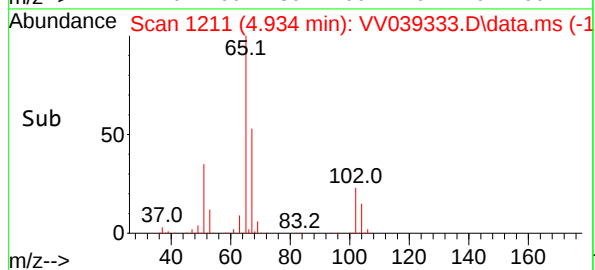
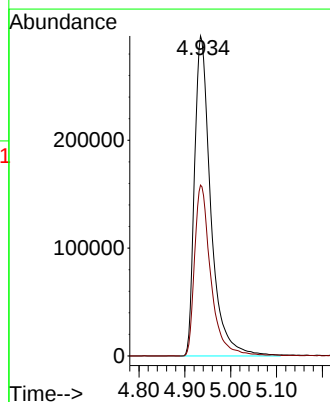
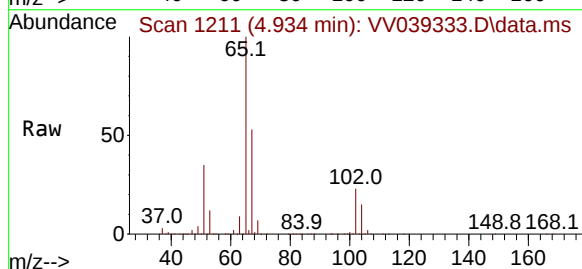
Instrument :
MSVOA_V
ClientSampleId :
MW-11

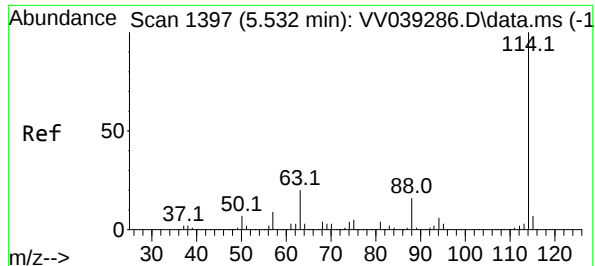
Tgt Ion:168 Resp: 938043
Ion Ratio Lower Upper
168 100
99 59.8 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 54.780 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 65 Resp: 730166
Ion Ratio Lower Upper
65 100
67 53.3 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

Instrument :

MSVOA_V

ClientSampleId :

MW-11

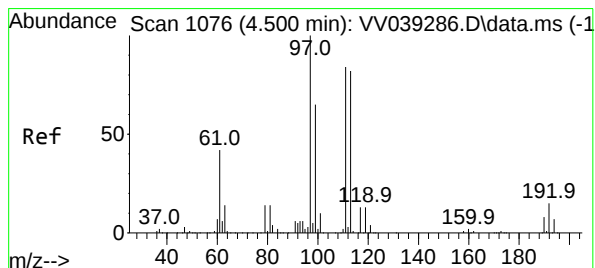
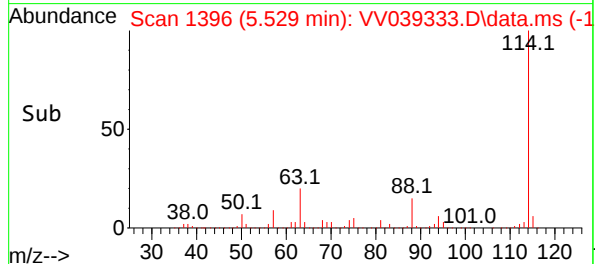
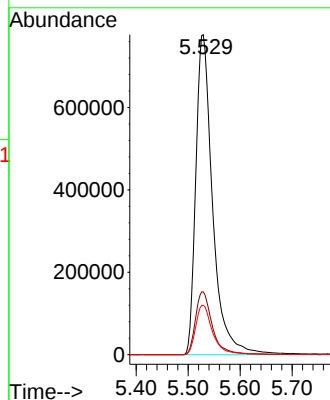
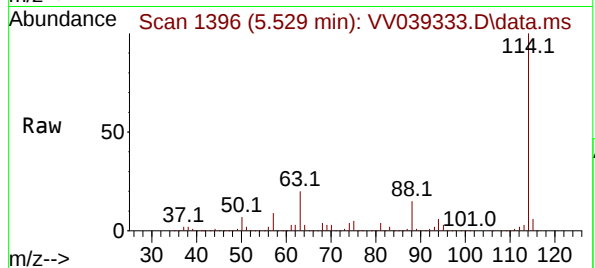
Tgt Ion:114 Resp: 1744872

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.4 0.0 31.6



#35

Dibromofluoromethane

Concen: 47.023 ug/l

RT: 4.494 min Scan# 1074

Delta R.T. -0.006 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

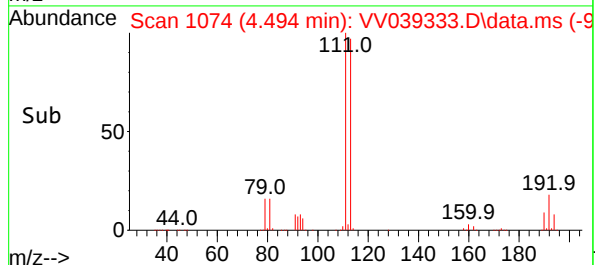
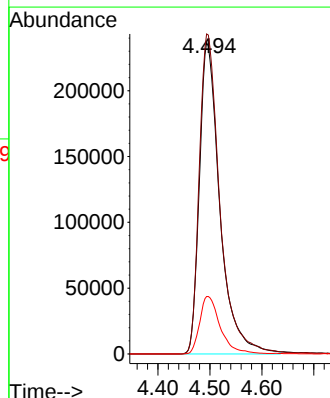
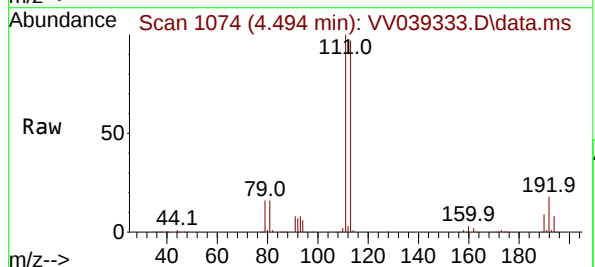
Tgt Ion:113 Resp: 646489

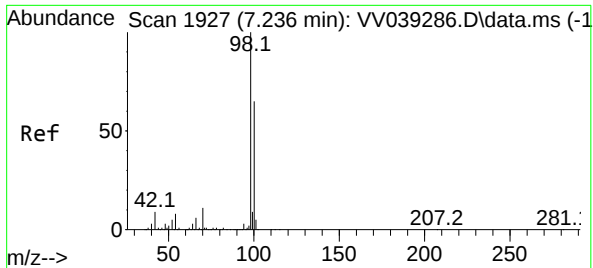
Ion Ratio Lower Upper

113 100

111 103.9 82.0 123.0

192 18.6 14.3 21.5

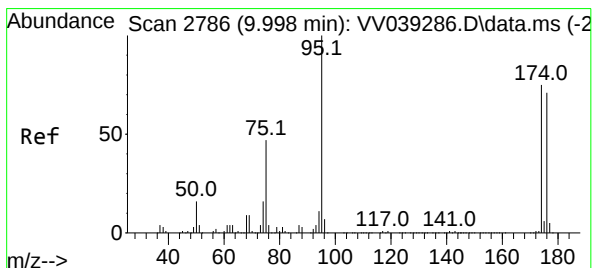
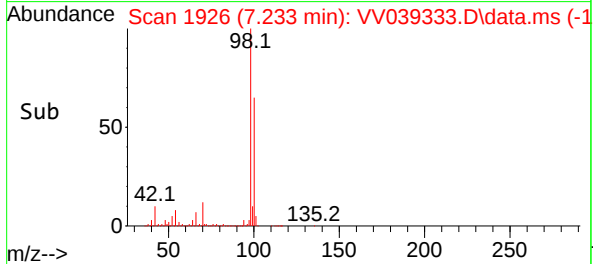
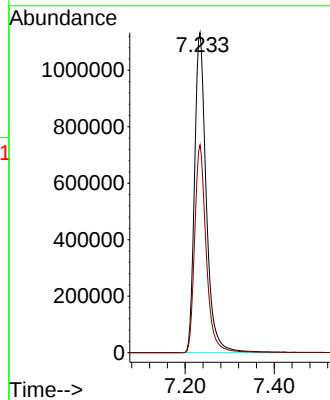
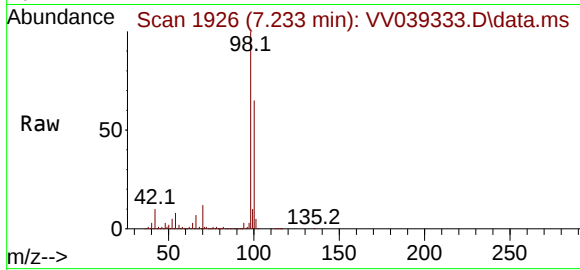




#50
Toluene-d8
Concen: 44.466 ug/l
RT: 7.233 min Scan# 1927
Delta R.T. -0.003 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

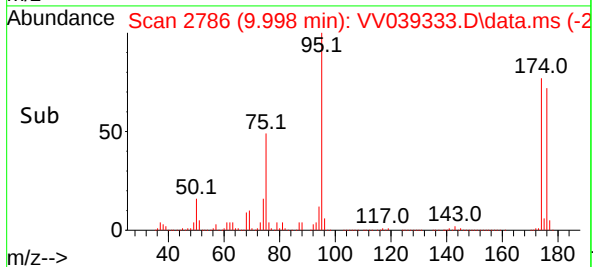
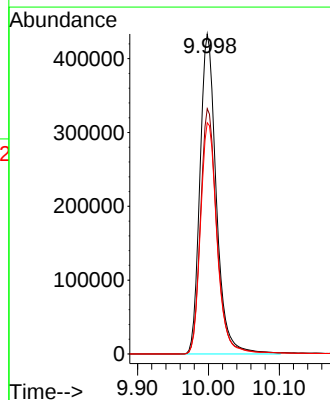
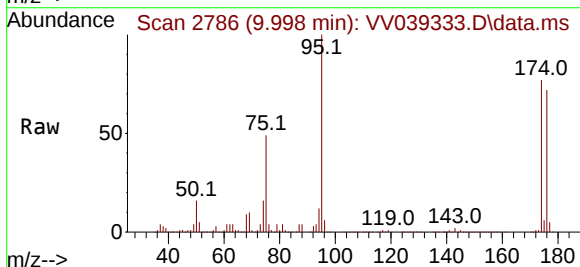
Instrument : MSVOA_V
ClientSampleId : MW-11

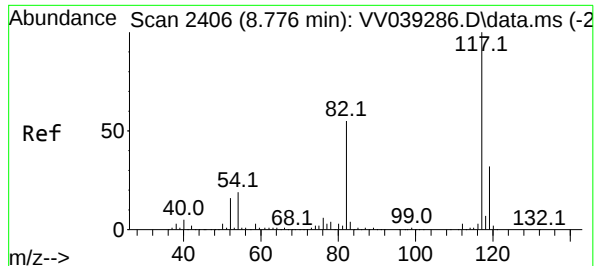
Tgt Ion: 98 Resp: 2079730
Ion Ratio Lower Upper
98 100
100 64.2 52.8 79.2



#62
4-Bromofluorobenzene
Concen: 41.691 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039333.D
Acq: 05 Nov 2025 13:54

Tgt Ion: 95 Resp: 694449
Ion Ratio Lower Upper
95 100
174 77.1 0.0 153.6
176 73.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.770 min Scan# 2406

Delta R.T. -0.006 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

Instrument :

MSVOA_V

ClientSampleId :

MW-11

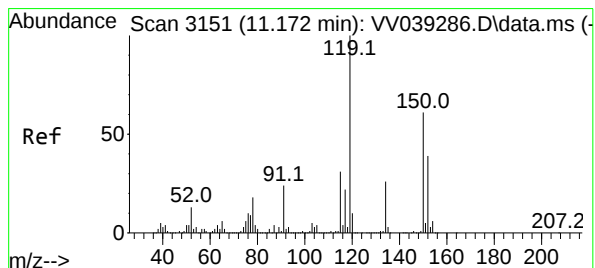
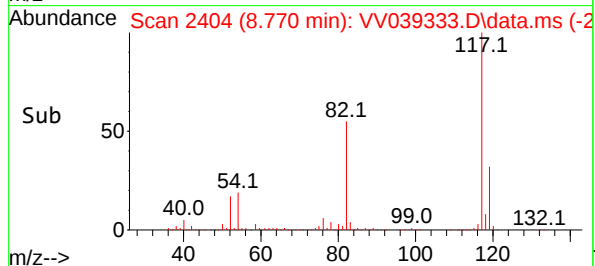
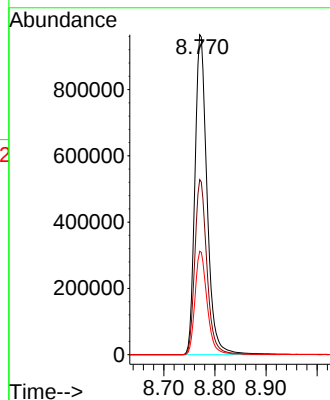
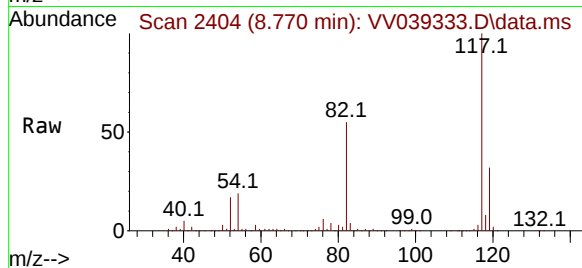
Tgt Ion:117 Resp: 1594094

Ion Ratio Lower Upper

117 100

82 54.7 43.8 65.8

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039333.D

Acq: 05 Nov 2025 13:54

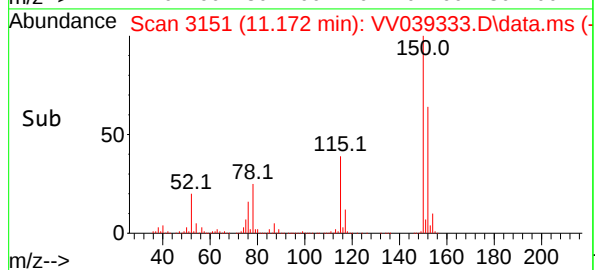
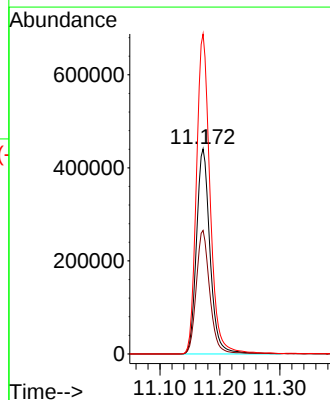
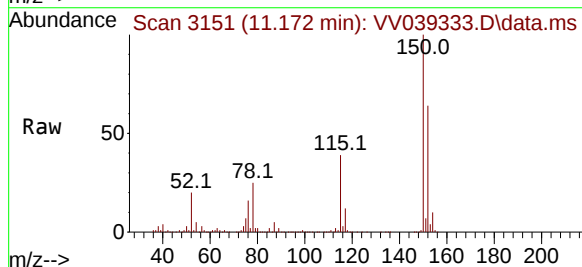
Tgt Ion:152 Resp: 693574

Ion Ratio Lower Upper

152 100

115 60.3 42.3 126.8

150 156.5 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039333.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.208	43	52	57	rBV	55022	93280	1.74%	0.327%
2	4.494	1057	1074	1093	rBV	766503	2021734	37.77%	7.088%
3	4.593	1093	1105	1143	rVB	1061253	2875311	53.72%	10.080%
4	4.934	1199	1211	1251	rBV	818159	2023254	37.80%	7.093%
5	5.526	1383	1395	1443	rBV	1778870	4048487	75.64%	14.193%
6	7.233	1914	1926	1958	rBV	2914285	5352326	100.00%	18.764%
7	8.770	2392	2404	2431	rBV	2810922	4666582	87.19%	16.360%
8	9.998	2775	2786	2821	rBV	2045792	3327664	62.17%	11.666%
9	11.172	3139	3151	3190	rBV	2585410	4115179	76.89%	14.427%

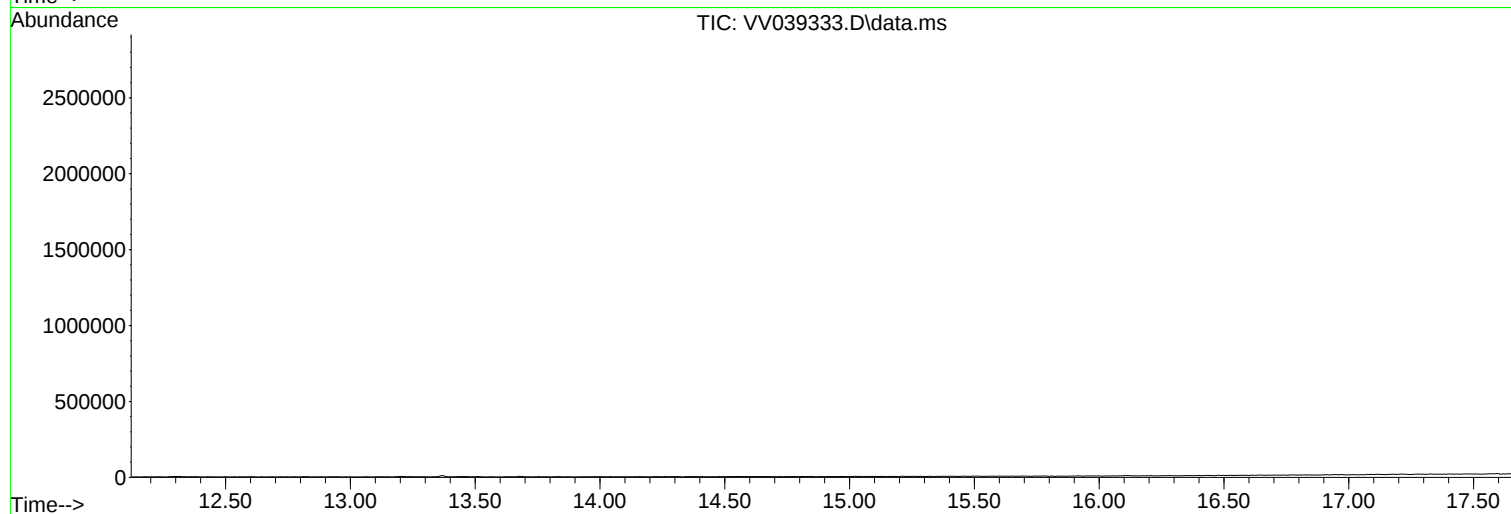
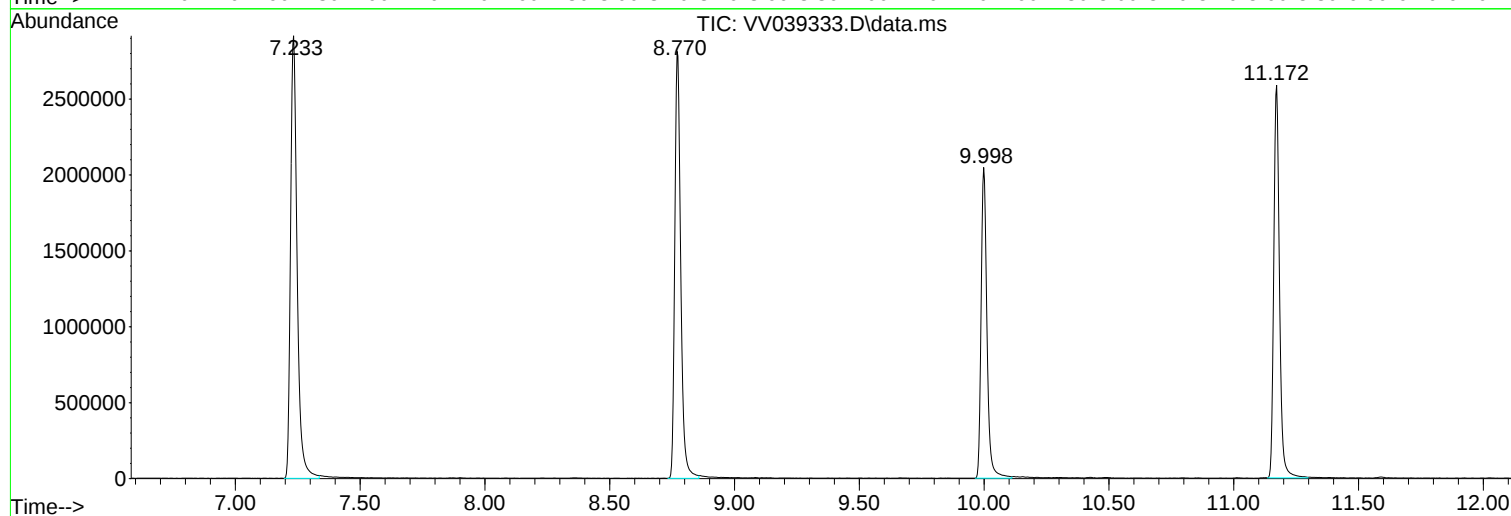
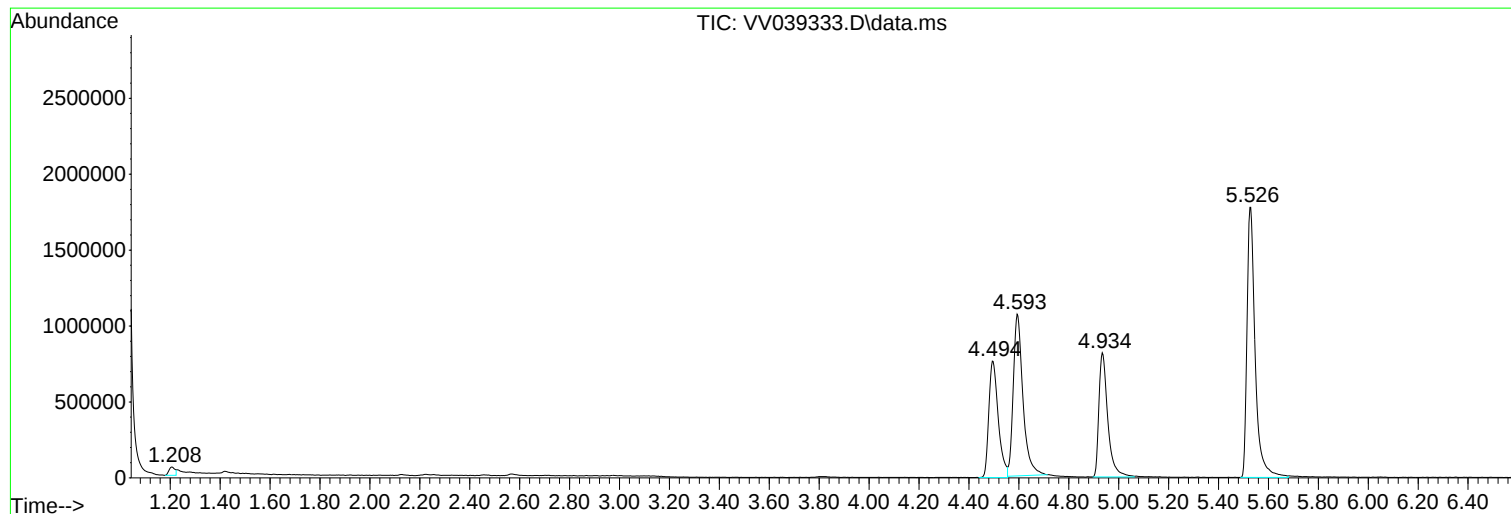
Sum of corrected areas: 28523817

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110525\
Data File : VV039333.D
Acq On : 05 Nov 2025 13:54
Operator : SY/MD
Sample : Q3534-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-11

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039324.D
 Acq On : 04 Nov 2025 18:54
 Operator : SY/MD
 Sample : Q3534-04
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-5

Quant Time: Nov 05 00:41:54 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

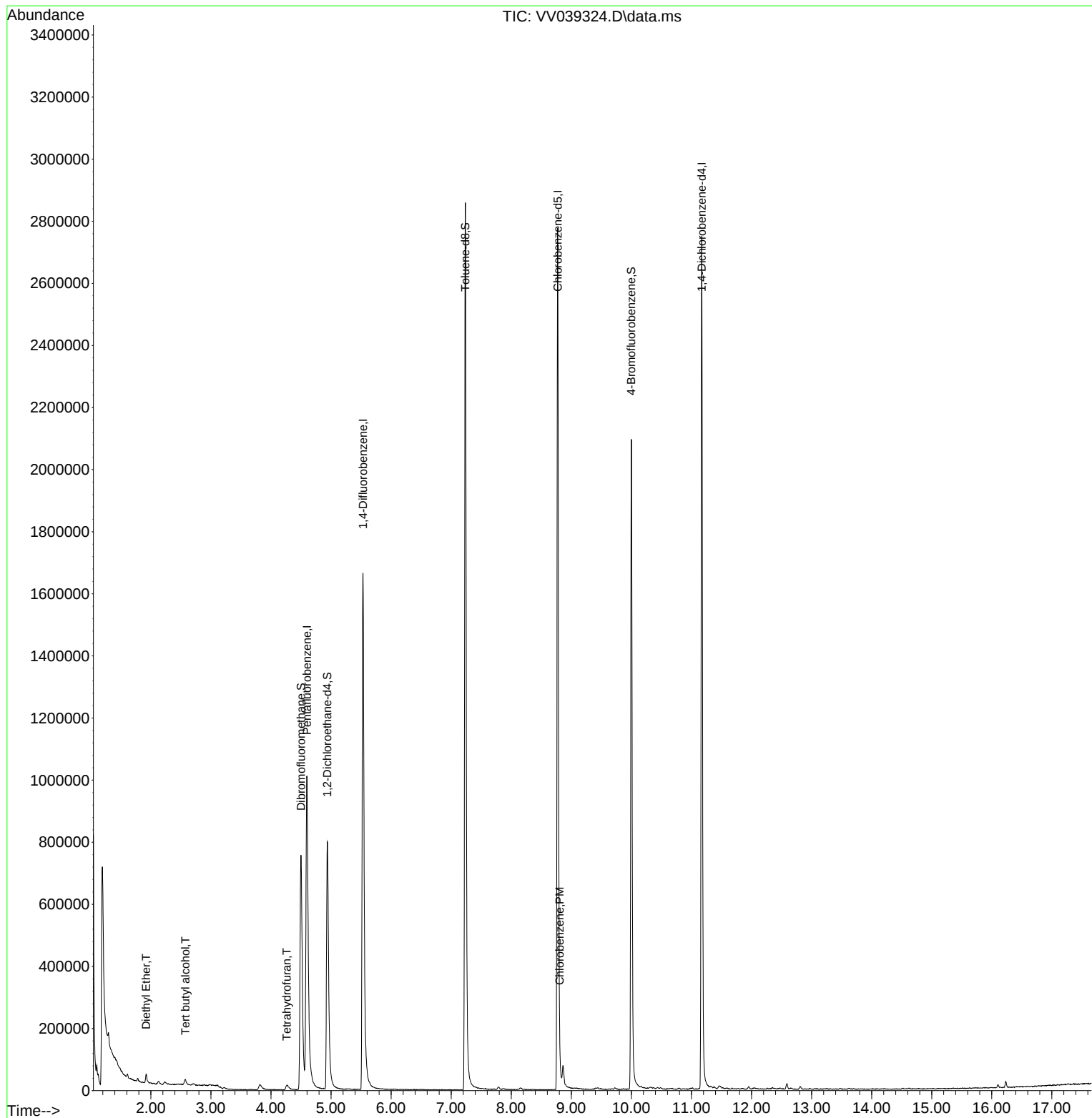
Internal Standards						
1) Pentafluorobenzene	4.600	168	875532	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1648833	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1570855	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	731965	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	714085	57.399	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 114.800%			
35) Dibromofluoromethane	4.500	113	633531	48.765	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.520%			
50) Toluene-d8	7.236	98	2040496	46.168	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.340%			
62) 4-Bromofluorobenzene	9.998	95	726818	46.176	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 92.360%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.921	74	11217	1.546	ug/l	96
11) Tert butyl alcohol	2.574	59	10906	4.523	ug/l #	75
29) Tetrahydrofuran	4.262	42	13566	2.789	ug/l #	60
65) Chlorobenzene	8.805	112	11439	0.308	ug/l	91

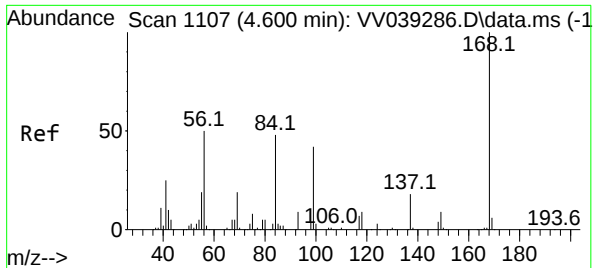
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Time: Nov 05 00:41:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

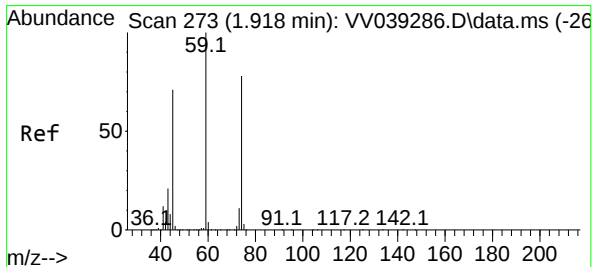
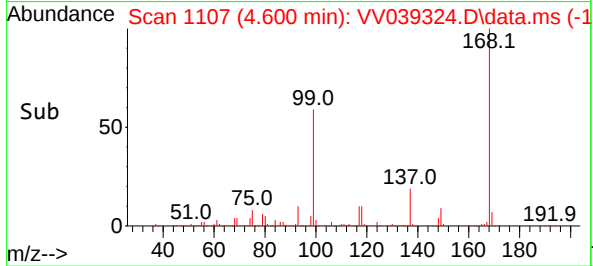
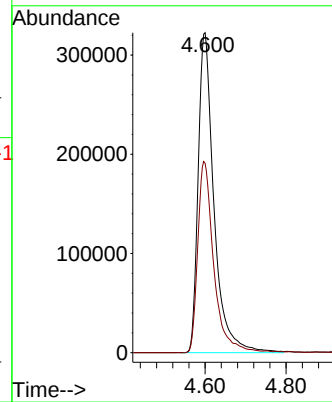
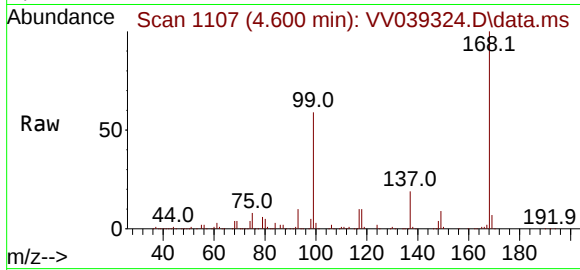




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

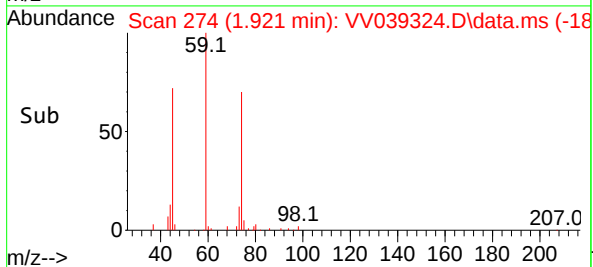
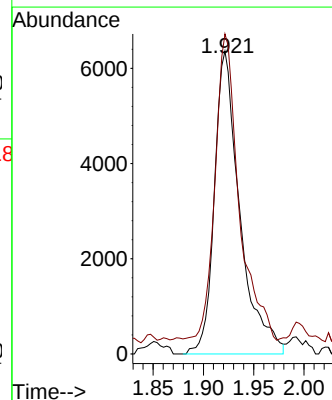
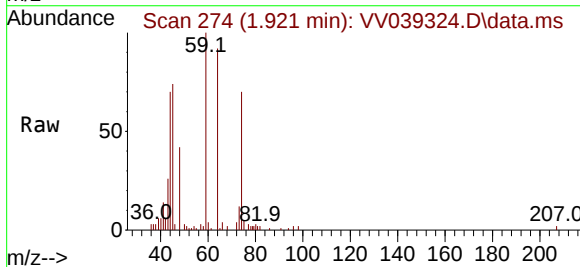
Instrument :
MSVOA_V
ClientSampleId :
MW-5

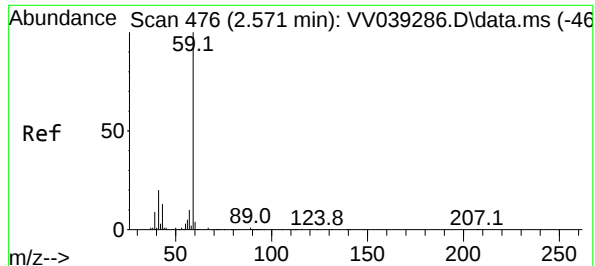
Tgt Ion:168 Resp: 875532
Ion Ratio Lower Upper
168 100
99 59.2 46.6 70.0



#8
Diethyl Ether
Concen: 1.546 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039324.D
Acq: 04 Nov 2025 18:54

Tgt Ion: 74 Resp: 11217
Ion Ratio Lower Upper
74 100
45 95.2 45.9 137.7





#11

Tert butyl alcohol

Concen: 4.523 ug/l

RT: 2.574 min Scan# 41

Delta R.T. 0.003 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

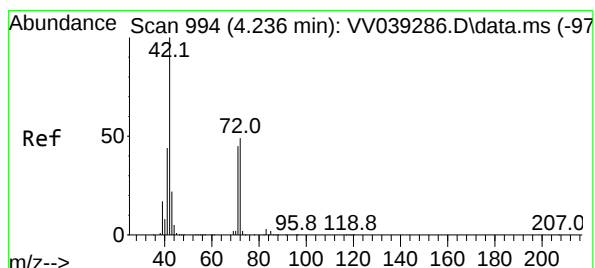
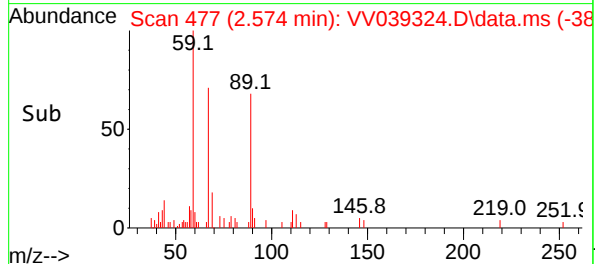
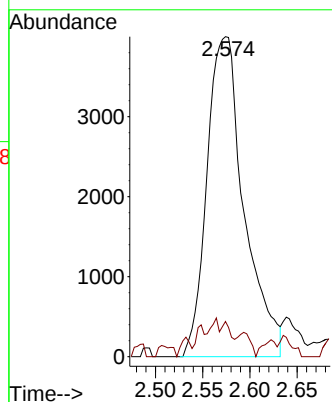
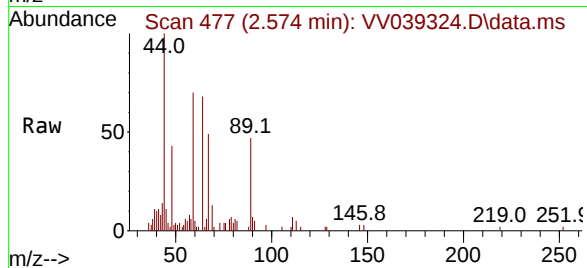
MW-5

Tgt Ion: 59 Resp: 10906

Ion Ratio Lower Upper

59 100

57 0.7 8.1 12.1#



#29

Tetrahydrofuran

Concen: 2.789 ug/l

RT: 4.262 min Scan# 1002

Delta R.T. 0.026 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

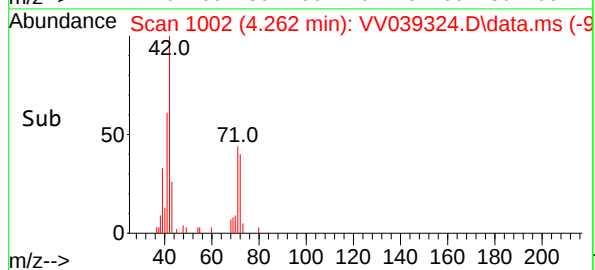
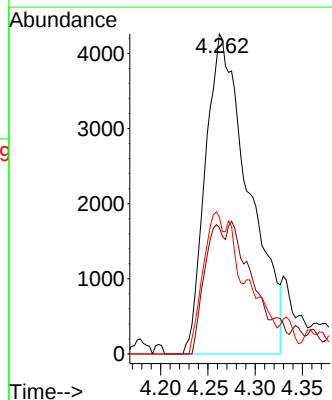
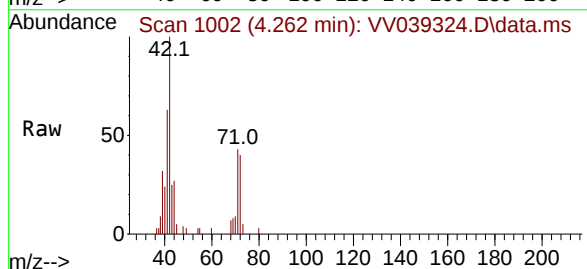
Tgt Ion: 42 Resp: 13566

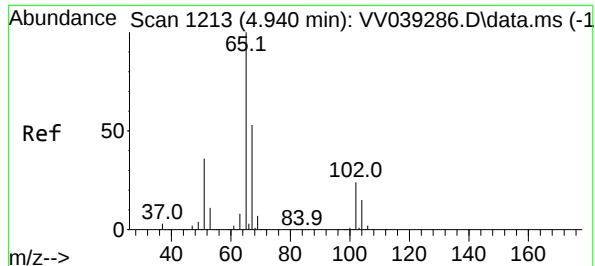
Ion Ratio Lower Upper

42 100

72 19.4 39.8 59.8#

71 22.0 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 57.399 ug/l

RT: 4.937 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

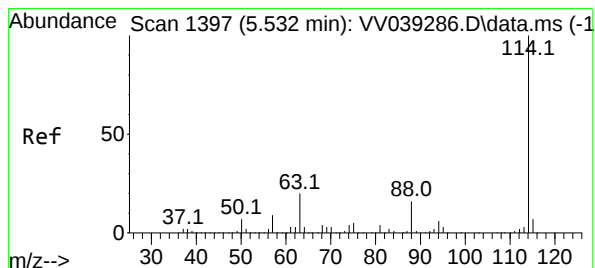
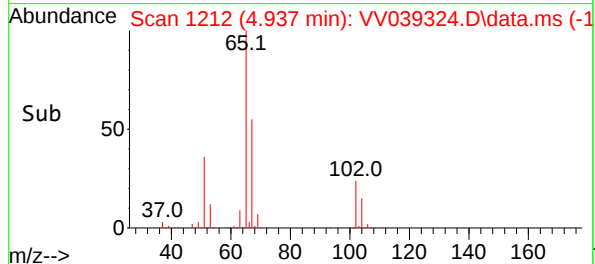
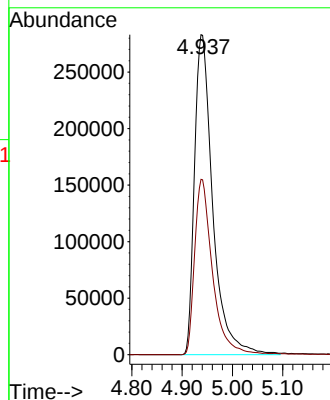
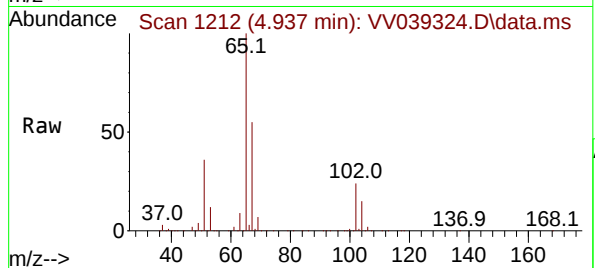
MW-5

Tgt Ion: 65 Resp: 714085

Ion Ratio Lower Upper

65 100

67 53.5 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

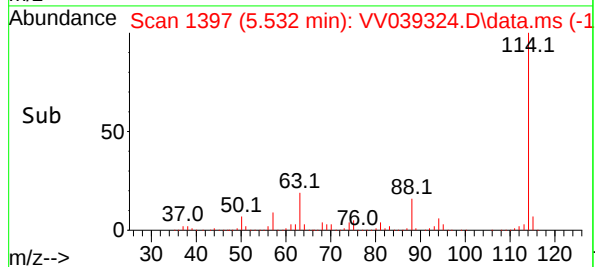
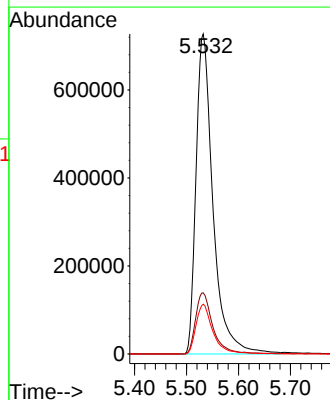
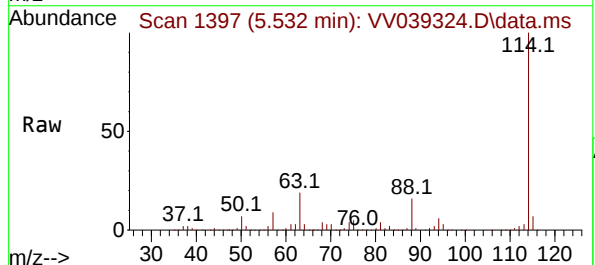
Tgt Ion: 114 Resp: 1648833

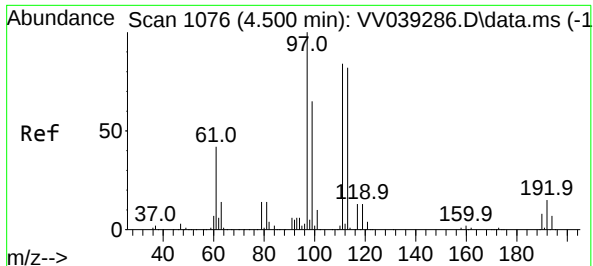
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.765 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

MW-5

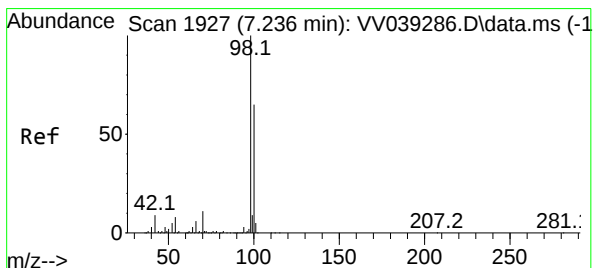
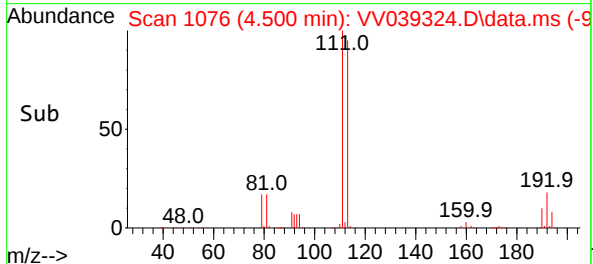
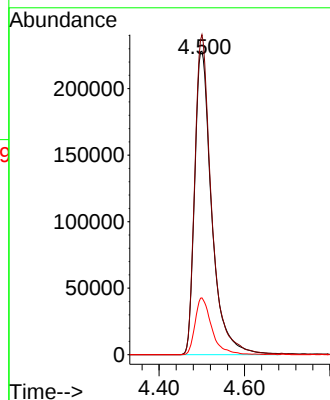
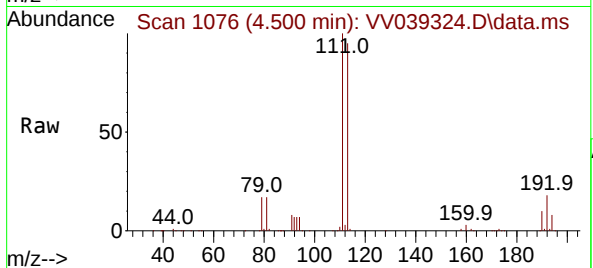
Tgt Ion:113 Resp: 633531

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

192 18.2 14.3 21.5



#50

Toluene-d8

Concen: 46.168 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039324.D

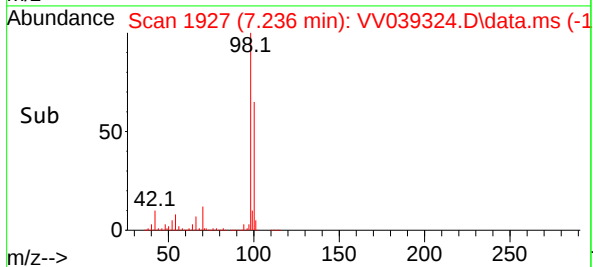
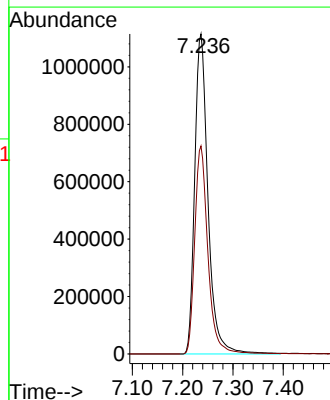
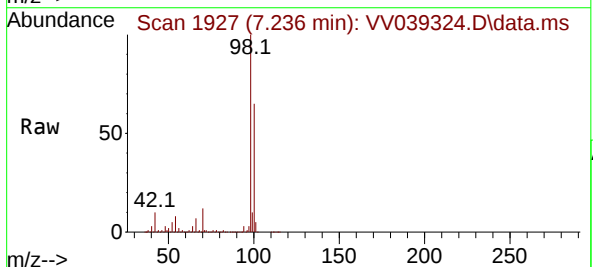
Acq: 04 Nov 2025 18:54

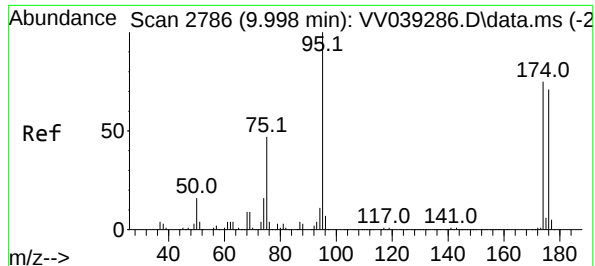
Tgt Ion: 98 Resp: 2040496

Ion Ratio Lower Upper

98 100

100 64.3 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 46.176 ug/l

RT: 9.998 min Scan# 21

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

MW-5

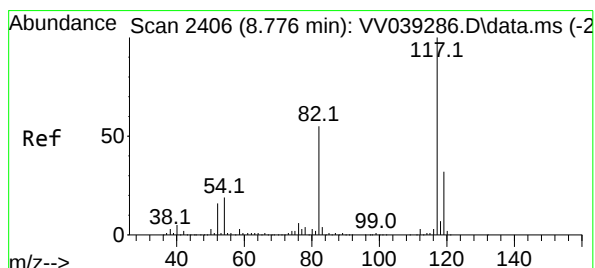
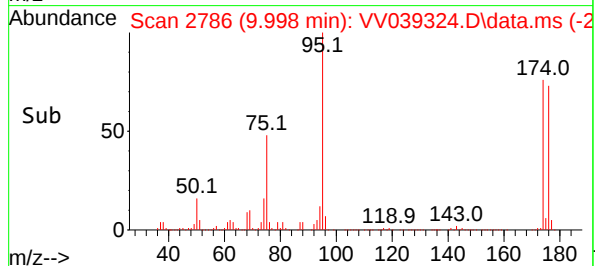
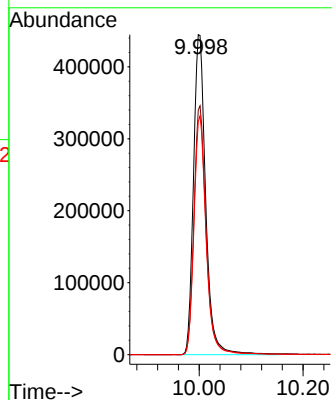
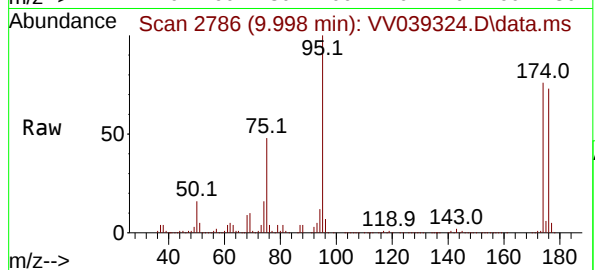
Tgt Ion: 95 Resp: 726818

Ion Ratio Lower Upper

95 100

174 77.3 0.0 153.6

176 73.3 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

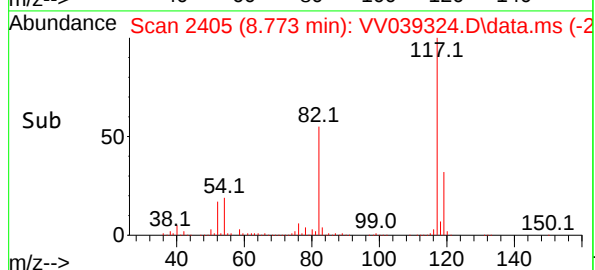
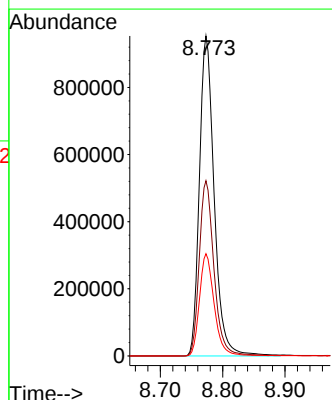
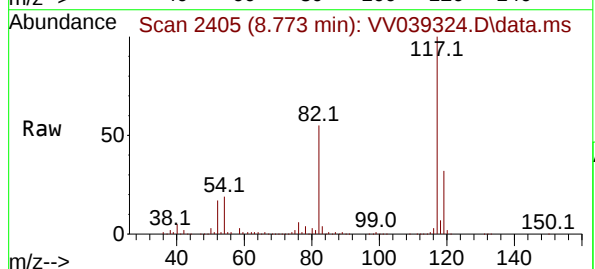
Tgt Ion: 117 Resp: 1570855

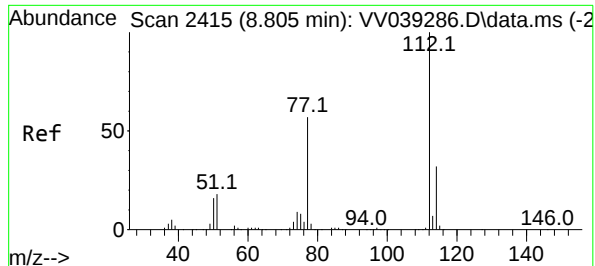
Ion Ratio Lower Upper

117 100

82 54.8 43.8 65.8

119 31.9 25.8 38.6





#65

Chlorobenzene

Concen: 0.308 ug/l

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

Instrument :

MSVOA_V

ClientSampleId :

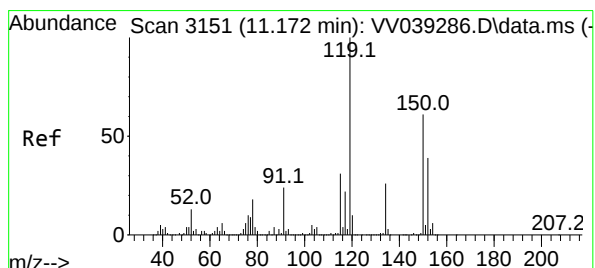
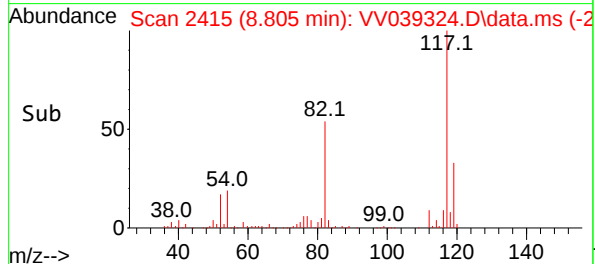
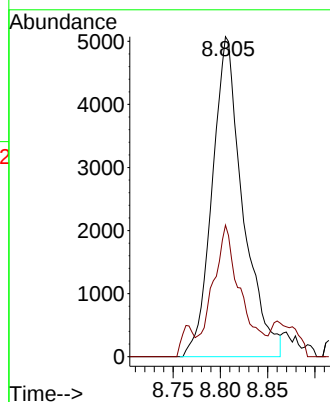
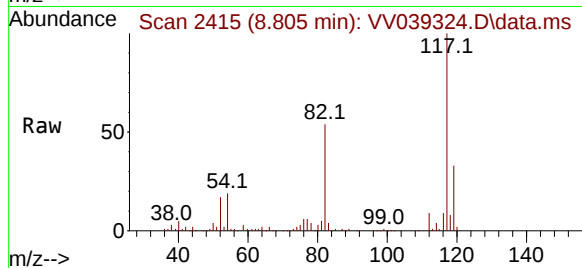
MW-5

Tgt Ion:112 Resp: 11439

Ion Ratio Lower Upper

112 100

114 37.1 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039324.D

Acq: 04 Nov 2025 18:54

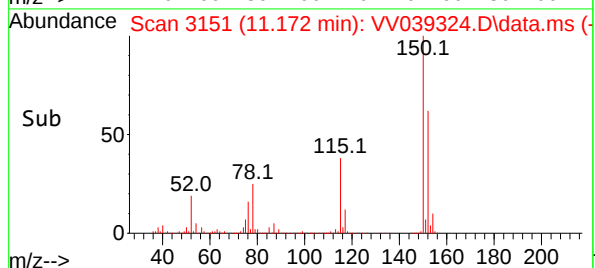
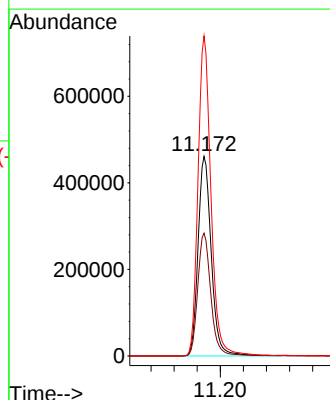
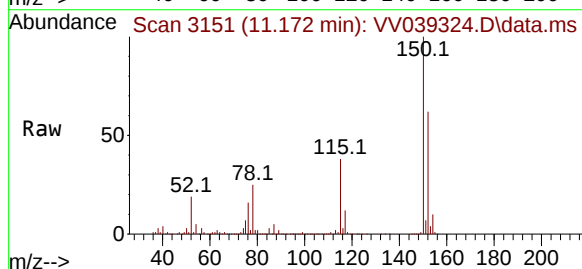
Tgt Ion:152 Resp: 731965

Ion Ratio Lower Upper

152 100

115 60.8 42.3 126.8

150 157.5 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039324.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.192	37	47	74	rBV	701154	2236420	42.31%	7.316%
2	4.500	1060	1076	1094	rBV	754963	1970350	37.28%	6.446%
3	4.597	1095	1106	1152	rVB	1002365	2741023	51.86%	8.967%
4	4.937	1200	1212	1248	rBV	796047	1984383	37.54%	6.492%
5	5.532	1384	1397	1444	rBV	1663208	3825176	72.37%	12.514%
6	7.236	1915	1927	1969	rBV	2857904	5285610	100.00%	17.291%
7	8.773	2394	2405	2425	rBV	2774263	4595738	86.95%	15.034%
8	8.860	2427	2432	2443	rVB3	61855	111949	2.12%	0.366%
9	9.998	2774	2786	2817	rBV	2092935	3459865	65.46%	11.318%
10	11.172	3139	3151	3187	rBV	2745914	4357833	82.45%	14.256%

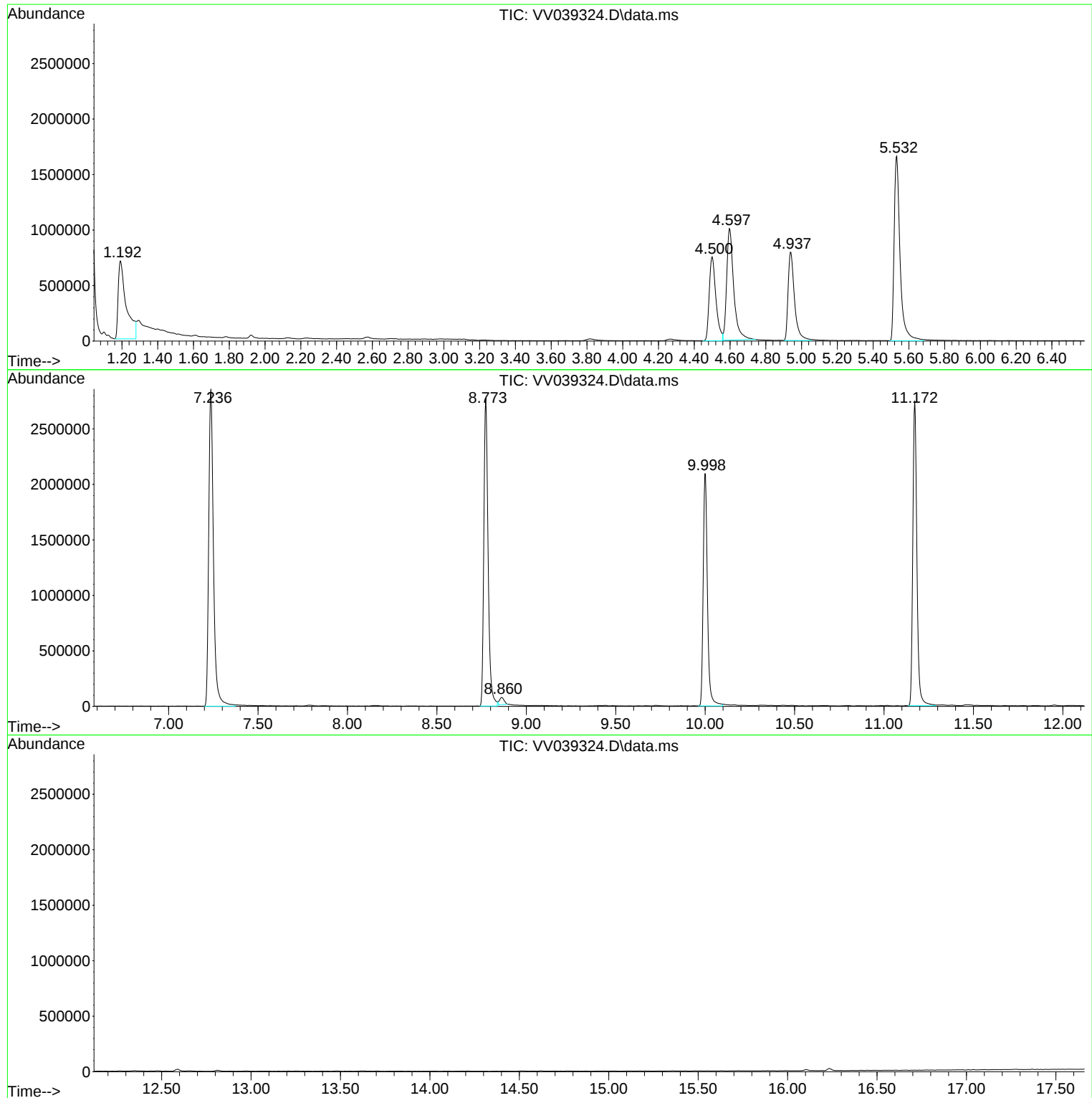
Sum of corrected areas: 30568347

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039324.D
Acq On : 04 Nov 2025 18:54
Operator : SY/MD
Sample : Q3534-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 20 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-5

A
B
C
D
E
F
G
H
I
J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039318.D
 Acq On : 04 Nov 2025 16:39
 Operator : SY/MD
 Sample : Q3534-05
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-EB-1

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:39:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	968590	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1722471	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1684073	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	851194	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	731249	53.131	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 106.260%			
35) Dibromofluoromethane	4.500	113	660297	48.652	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.300%			
50) Toluene-d8	7.236	98	2350488	50.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 101.820%			
62) 4-Bromofluorobenzene	9.998	95	876742	53.319	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 106.640%			
Target Compounds					Qvalue	
8) Diethyl Ether	1.918	74	374782	46.688	ug/l	100
11) Tert butyl alcohol	2.568	59	23276	8.727	ug/l	96
22) Diisopropyl ether	3.217	45	421610	11.342	ug/l #	34
29) Tetrahydrofuran	4.243	42	132147	24.555	ug/l	93
40) Benzene	5.014	78	262333	4.796	ug/l	97
65) Chlorobenzene	8.802	112	1309181	32.838	ug/l	99
68) m/p-Xylenes	9.082	106	6616	0.284	ug/l	89
69) o-Xylene	9.474	106	18747	0.911	ug/l	97
73) Isopropylbenzene	9.857	105	2508811	48.537	ug/l	100
78) n-propylbenzene	10.275	91	3093598	49.326	ug/l	100
79) 2-Chlorotoluene	10.349	91	149113	3.851	ug/l	91
82) 4-Chlorotoluene	10.474	91	28016m	0.629	ug/l	
83) tert-Butylbenzene	10.789	119	11392	0.265	ug/l	92
85) sec-Butylbenzene	11.014	105	95341	1.752	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	121605	3.834	ug/l	93
89) n-Butylbenzene	11.580	91	83827	1.924	ug/l	87
91) 1,2-Dichlorobenzene	11.574	146	12267	0.455	ug/l	95

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

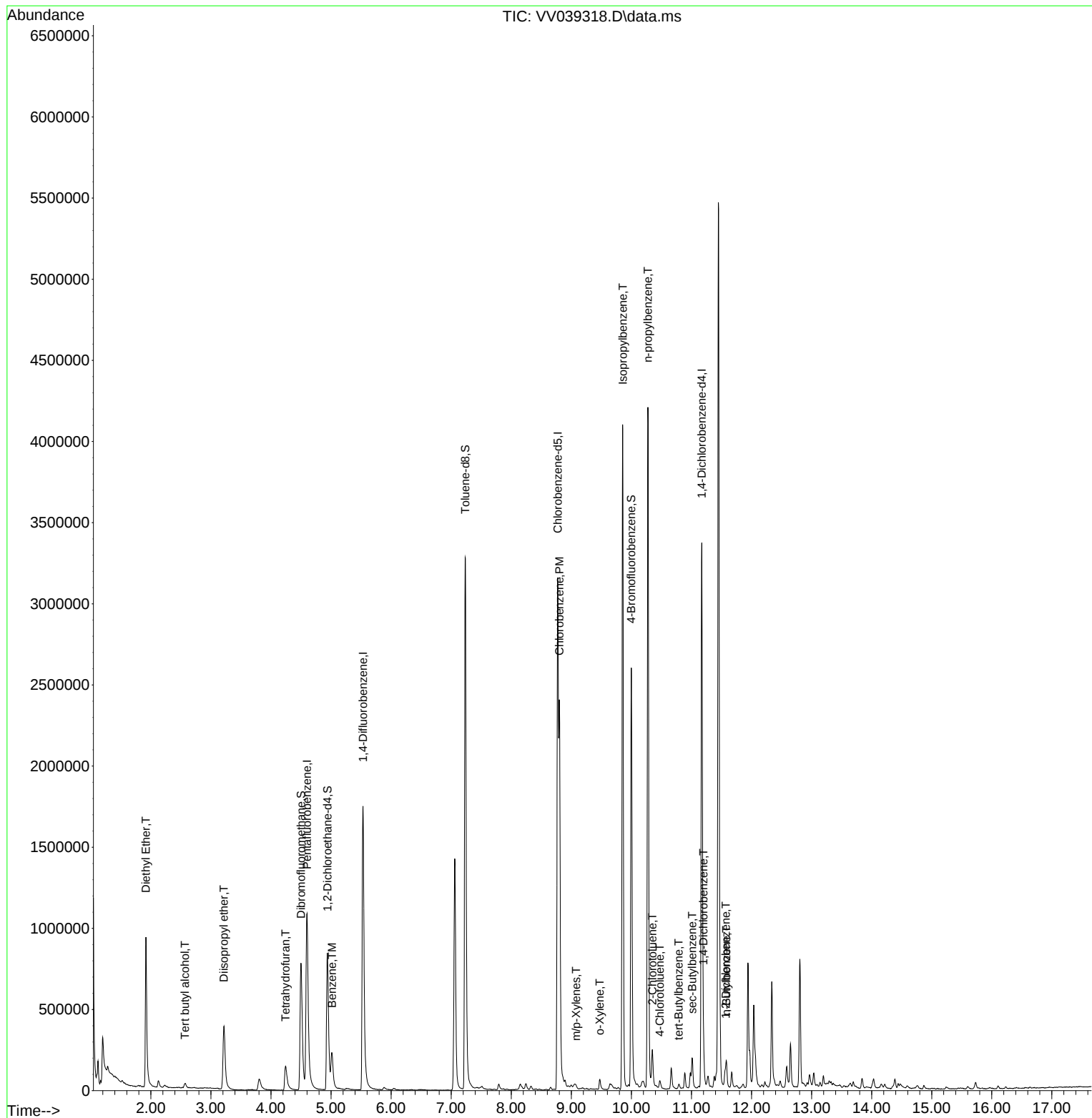
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Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

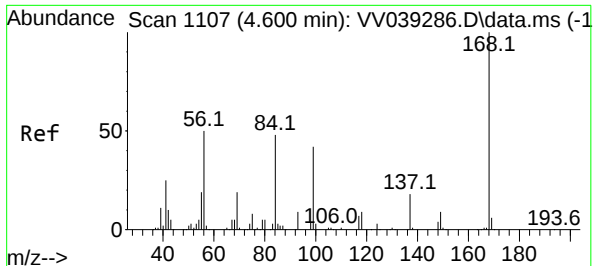
Quant Time: Nov 05 00:39:05 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Manual Integrations
APPROVED

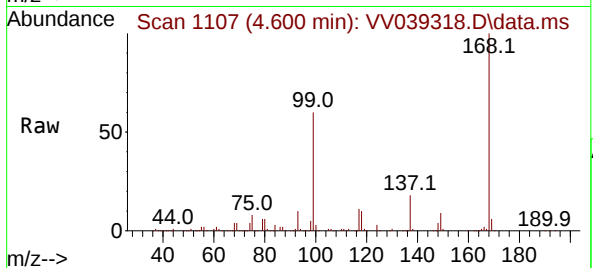
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

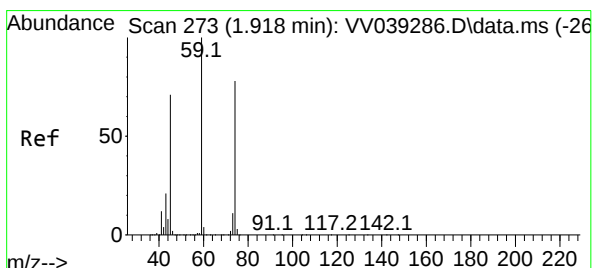
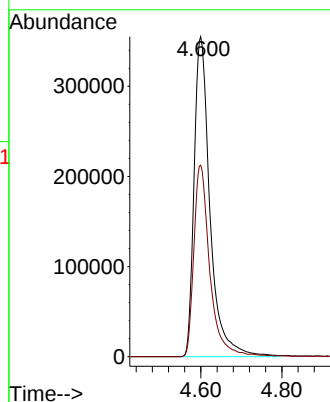
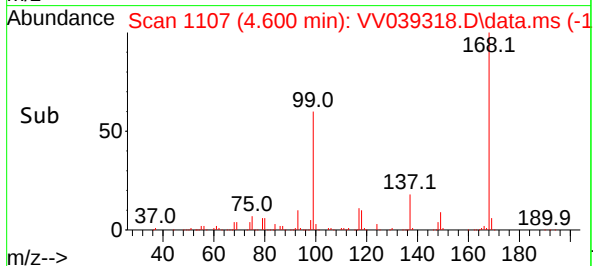
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1



Tgt Ion:168 Resp: 968590
Ion Ratio Lower Upper
168 100
99 59.8 46.6 70.0

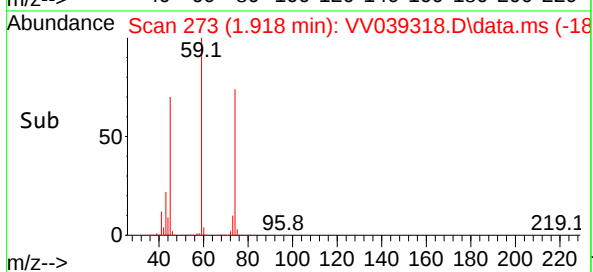
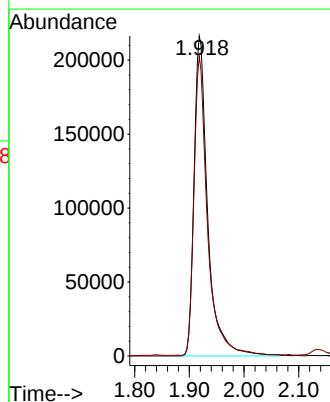
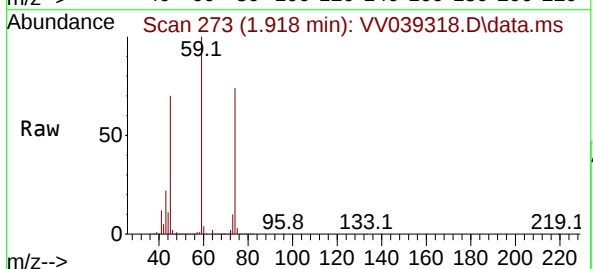
Manual Integrations
APPROVED

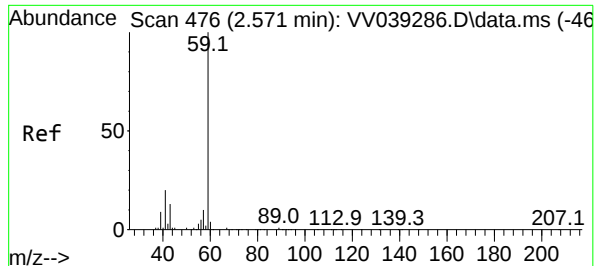
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 46.688 ug/l
RT: 1.918 min Scan# 273
Delta R.T. -0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 74 Resp: 374782
Ion Ratio Lower Upper
74 100
45 92.3 45.9 137.7





#11

Tert butyl alcohol

Concen: 8.727 ug/l

RT: 2.568 min Scan# 41

Delta R.T. -0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion: 59 Resp: 23270

Ion Ratio Lower Upper

59 100

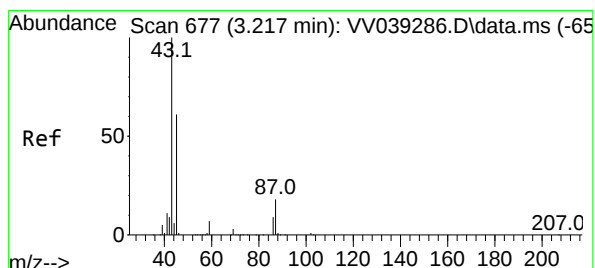
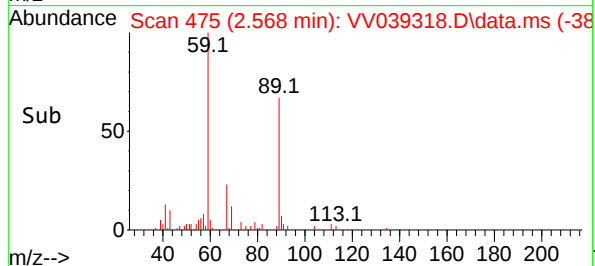
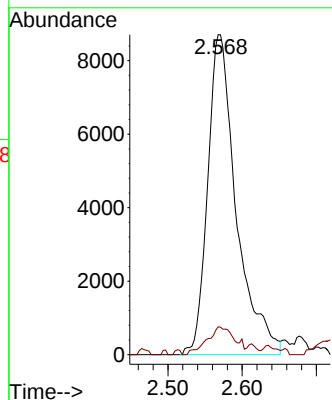
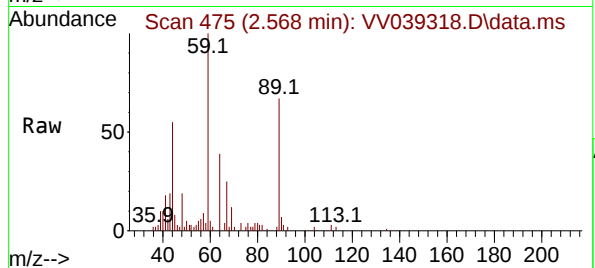
57 8.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#22

Diisopropyl ether

Concen: 11.342 ug/l

RT: 3.217 min Scan# 677

Delta R.T. -0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Tgt Ion: 45 Resp: 421610

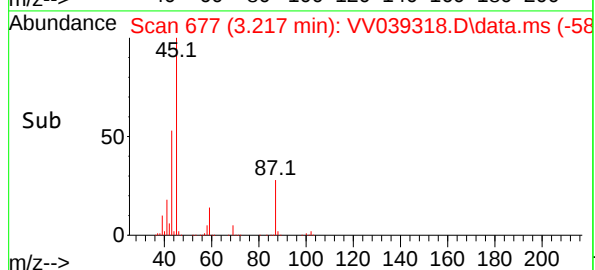
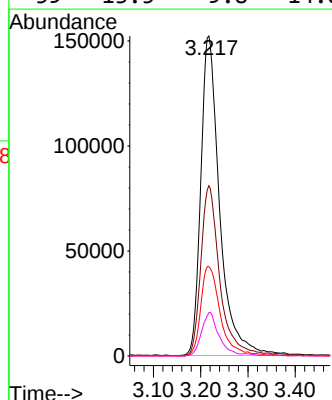
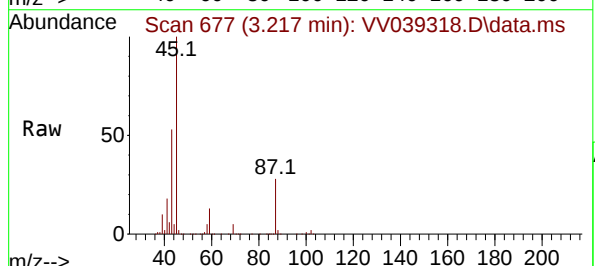
Ion Ratio Lower Upper

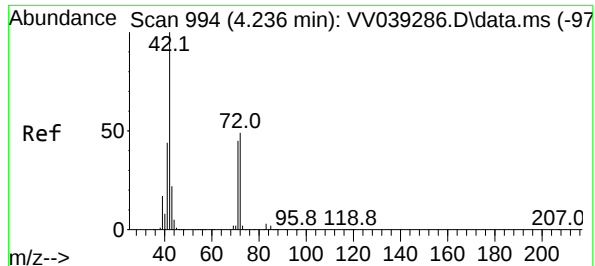
45 100

43 53.2 130.8 196.2#

87 28.0 23.8 35.8

59 13.5 9.8 14.8





#29

Tetrahydrofuran

Concen: 24.555 ug/l

RT: 4.243 min Scan# 994

Delta R.T. 0.006 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion: 42 Resp: 13214

Ion Ratio Lower Upper

42 100

72 43.5 39.8 59.8

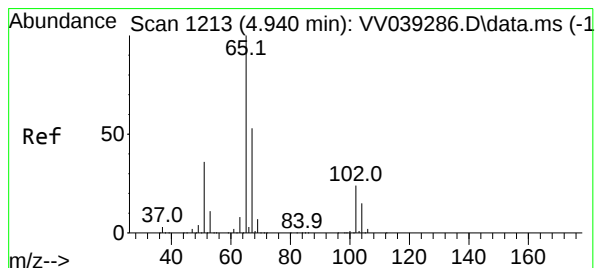
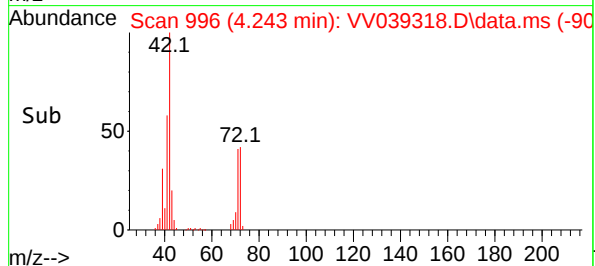
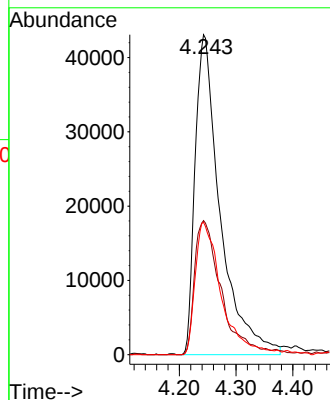
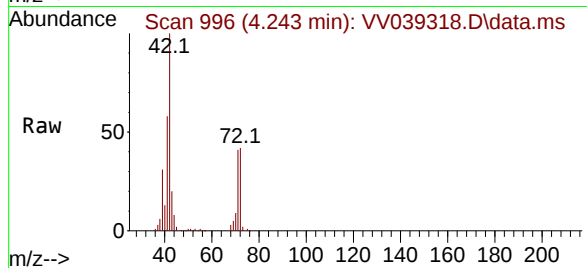
71 42.9 36.5 54.7

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#33

1,2-Dichloroethane-d4

Concen: 53.131 ug/l

RT: 4.940 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039318.D

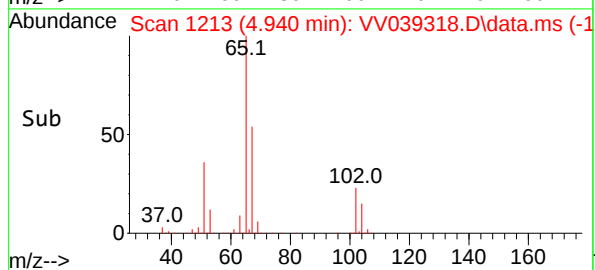
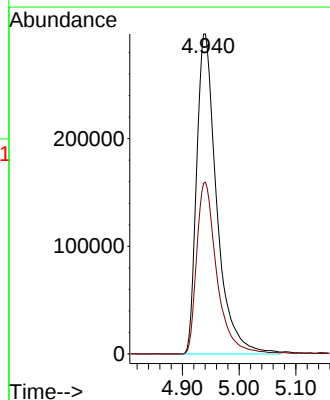
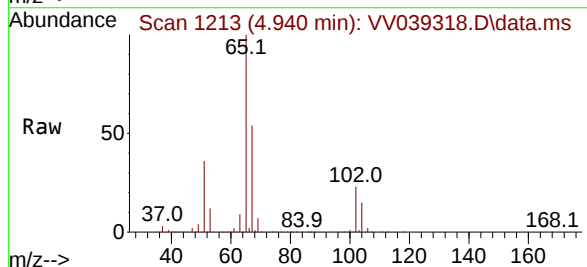
Acq: 04 Nov 2025 16:39

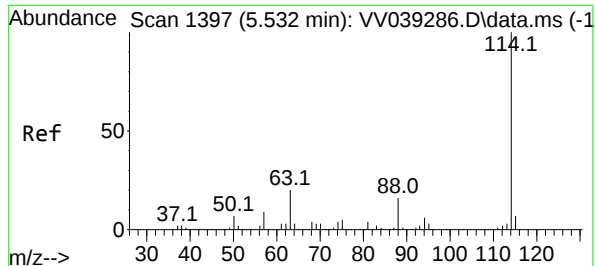
Tgt Ion: 65 Resp: 731249

Ion Ratio Lower Upper

65 100

67 53.7 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion:114 Resp: 172247

Ion Ratio Lower Upper

114 100

63 19.9 0.0 39.6

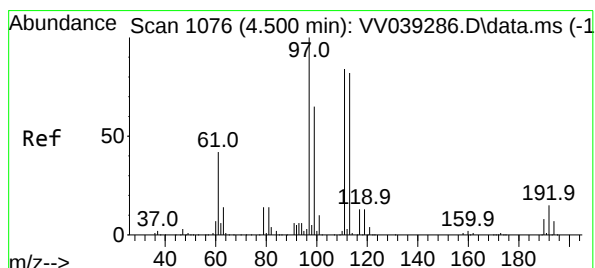
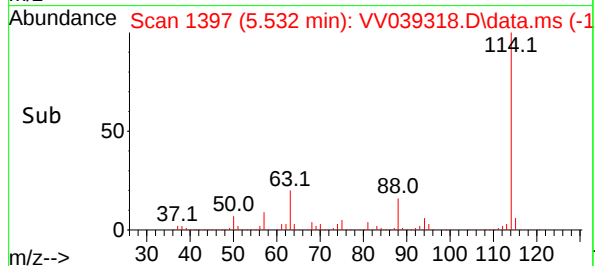
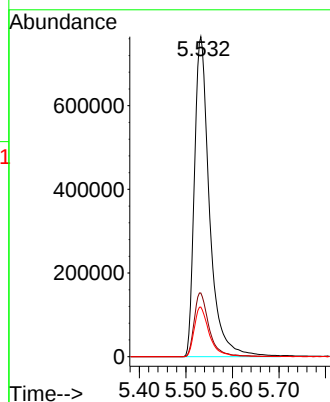
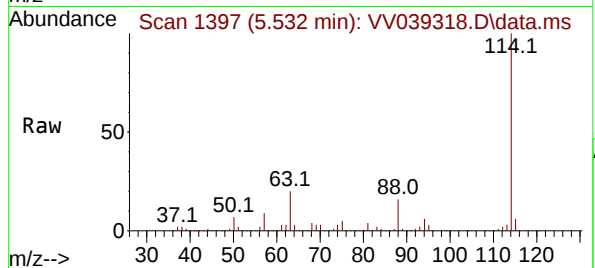
88 15.5 0.0 31.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#35

Dibromofluoromethane

Concen: 48.652 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

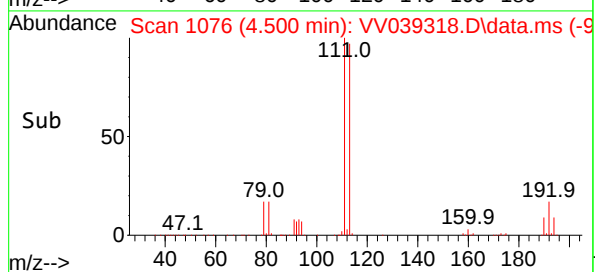
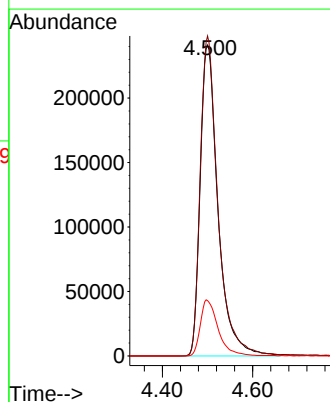
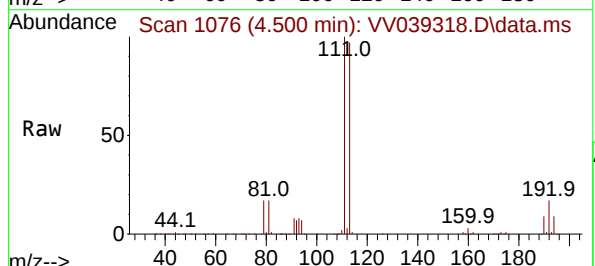
Tgt Ion:113 Resp: 660297

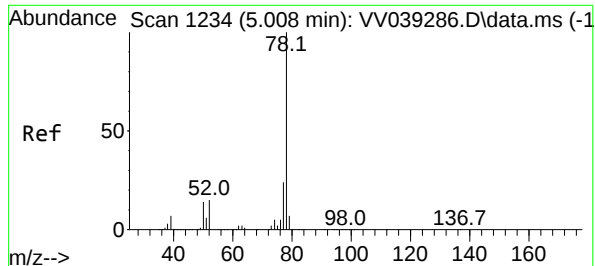
Ion Ratio Lower Upper

113 100

111 102.1 82.0 123.0

192 18.0 14.3 21.5





#40

Benzene

Concen: 4.796 ug/l

RT: 5.014 min Scan# 1234

Delta R.T. 0.006 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion: 78 Resp: 26233

Ion Ratio Lower Upper

78 100

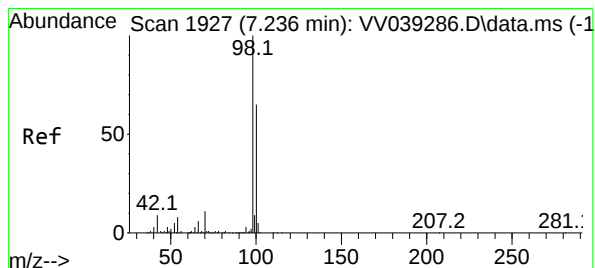
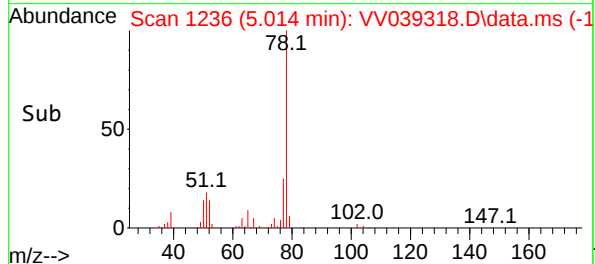
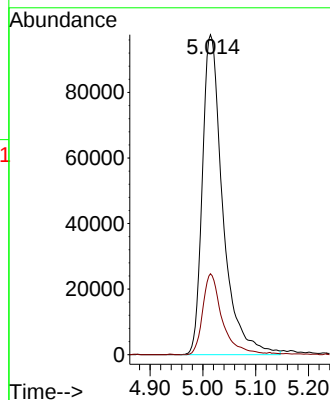
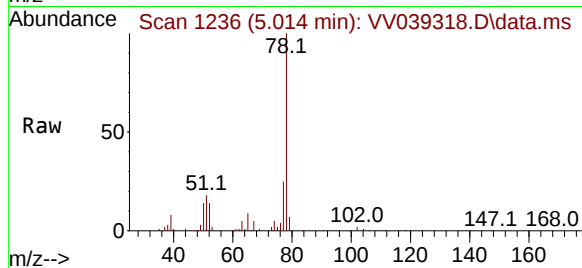
77 25.3 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 50.909 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039318.D

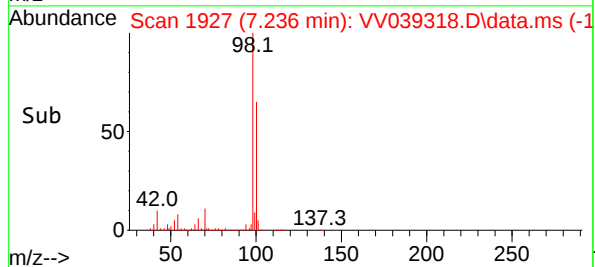
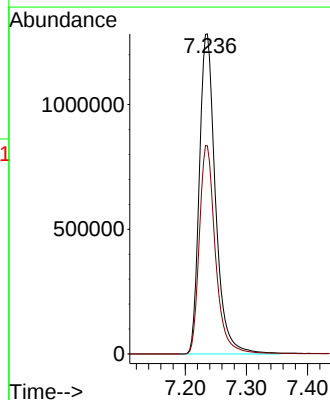
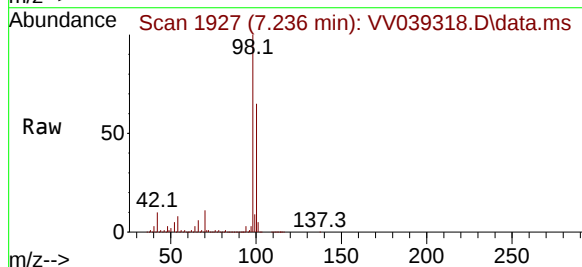
Acq: 04 Nov 2025 16:39

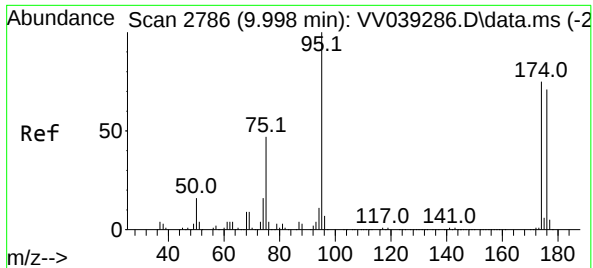
Tgt Ion: 98 Resp: 2350488

Ion Ratio Lower Upper

98 100

100 65.2 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 53.319 ug/l

RT: 9.998 min Scan# 21

Delta R.T. -0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion: 95 Resp: 87674

Ion Ratio Lower Upper

95 100

174 78.3 0.0 153.6

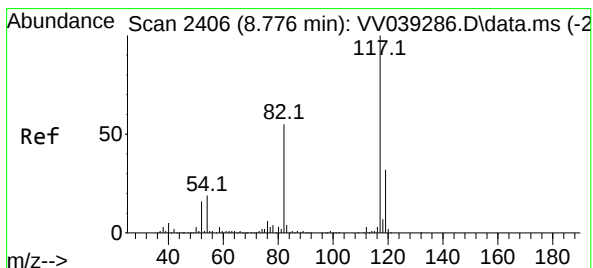
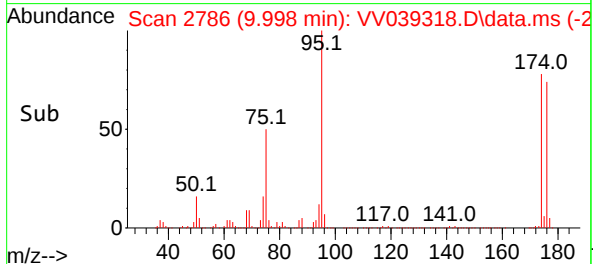
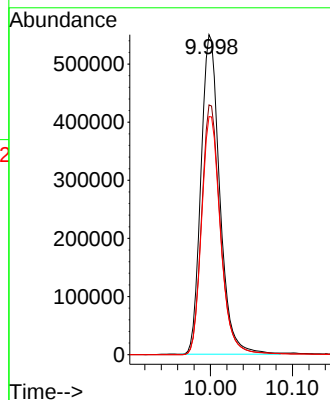
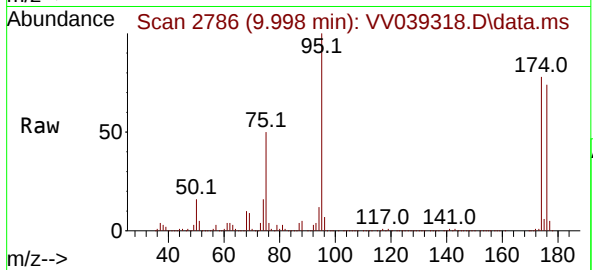
176 75.5 0.0 146.0

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

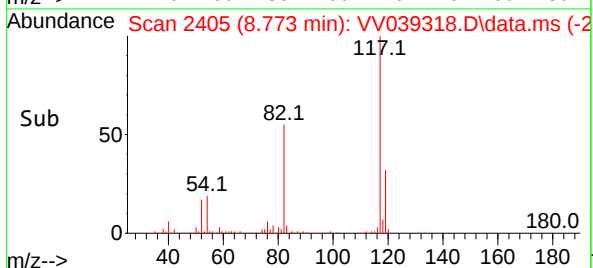
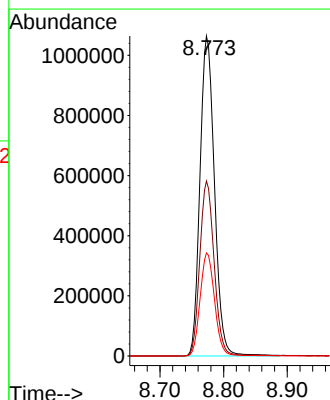
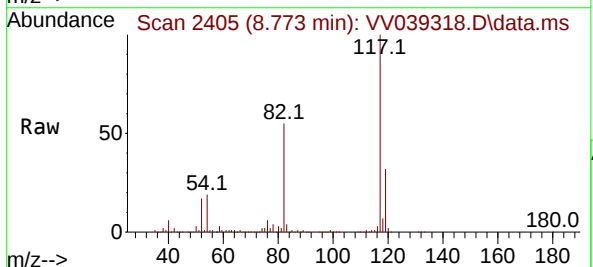
Tgt Ion:117 Resp: 1684073

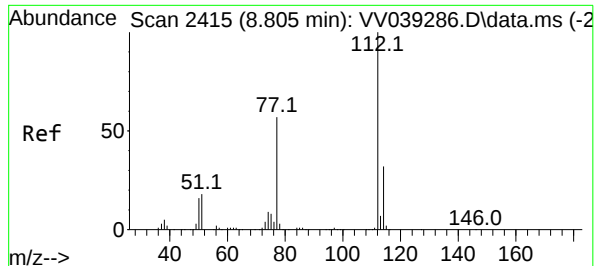
Ion Ratio Lower Upper

117 100

82 54.6 43.8 65.8

119 32.2 25.8 38.6





#65

Chlorobenzene

Concen: 32.838 ug/l

RT: 8.802 min Scan# 2415

Delta R.T. -0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion:112 Resp: 130918

Ion Ratio Lower Upper

112 100

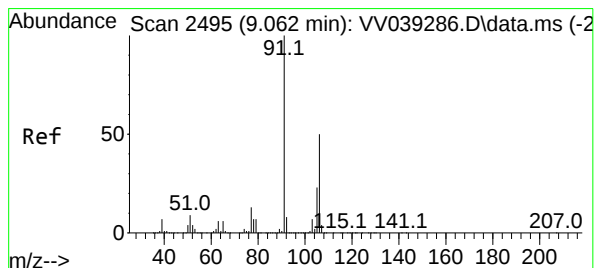
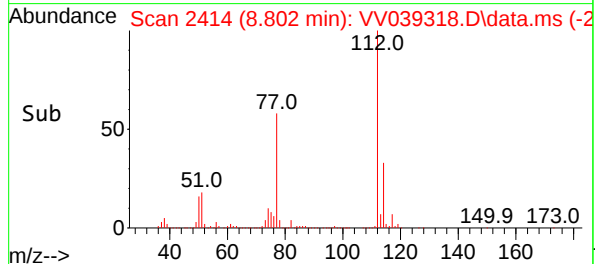
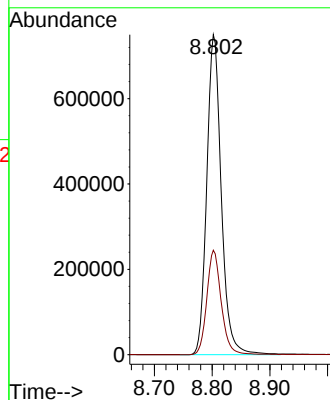
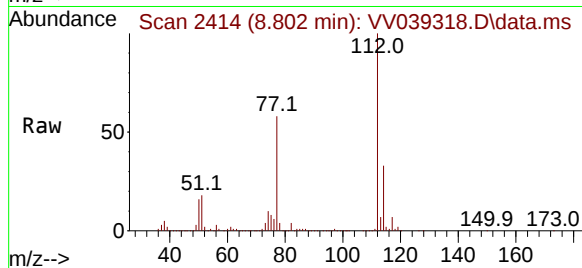
114 32.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#68

m/p-Xylenes

Concen: 0.284 ug/l

RT: 9.082 min Scan# 2501

Delta R.T. 0.019 min

Lab File: VV039318.D

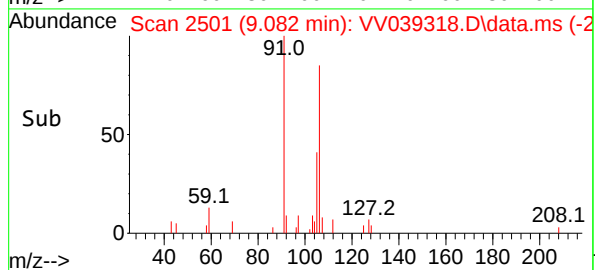
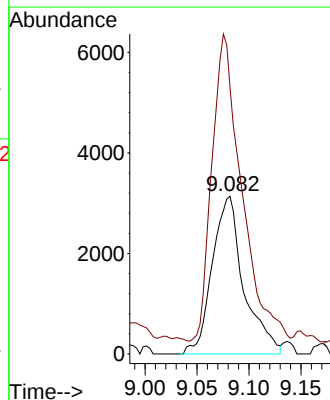
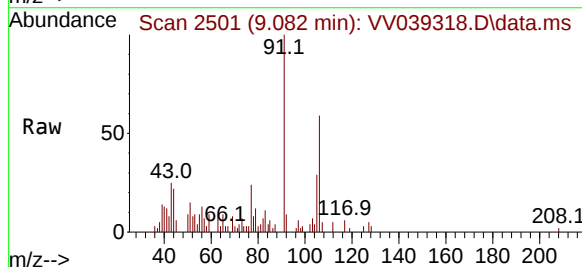
Acq: 04 Nov 2025 16:39

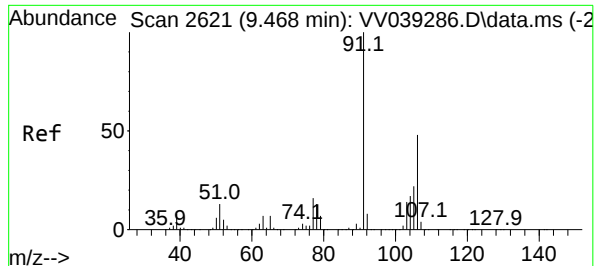
Tgt Ion:106 Resp: 6616

Ion Ratio Lower Upper

106 100

91 183.9 160.2 240.2





#69

o-Xylene

Concen: 0.911 ug/l

RT: 9.474 min Scan# 2621

Delta R.T. 0.006 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion:106 Resp: 1874

Ion Ratio Lower Upper

106 100

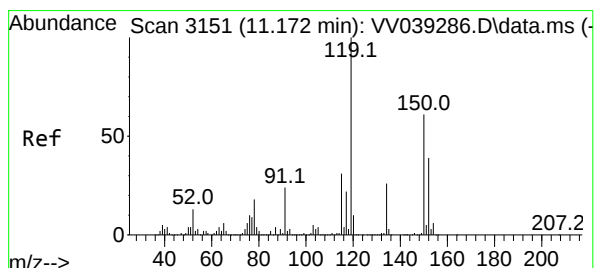
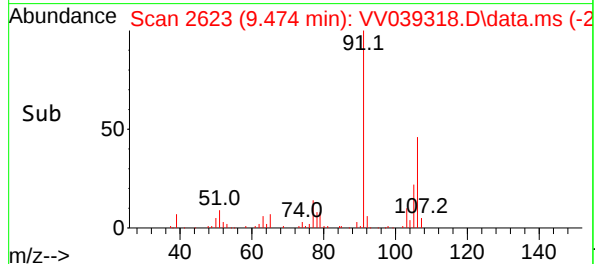
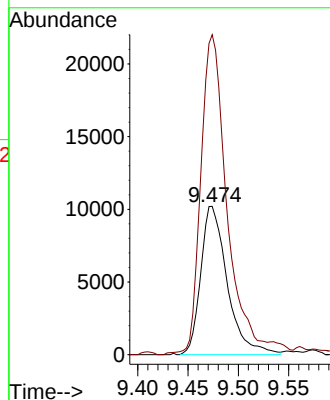
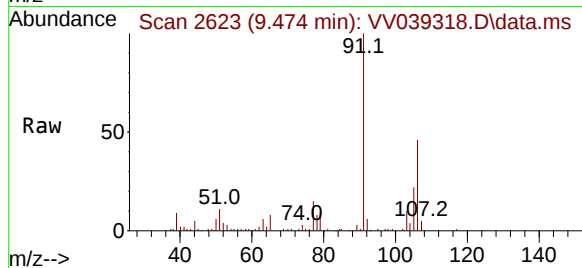
91 216.0 105.8 317.3

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

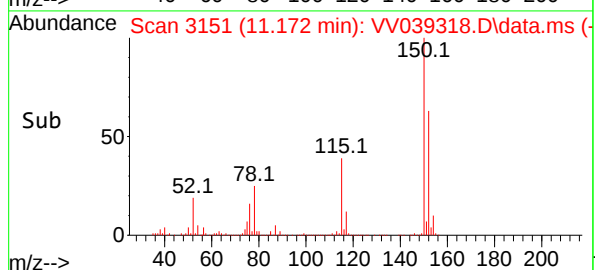
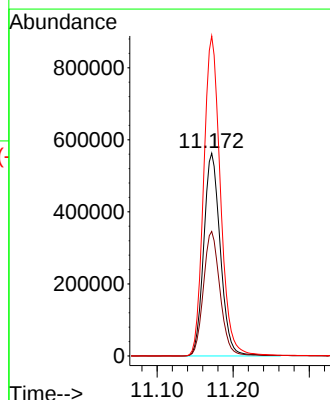
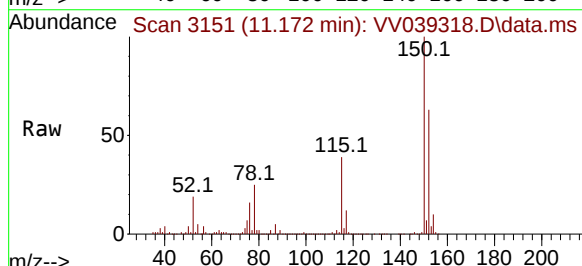
Tgt Ion:152 Resp: 851194

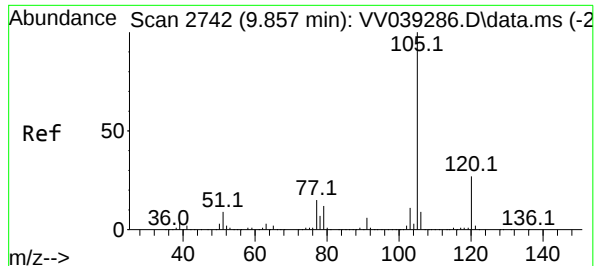
Ion Ratio Lower Upper

152 100

115 61.4 42.3 126.8

150 159.9 0.0 348.0





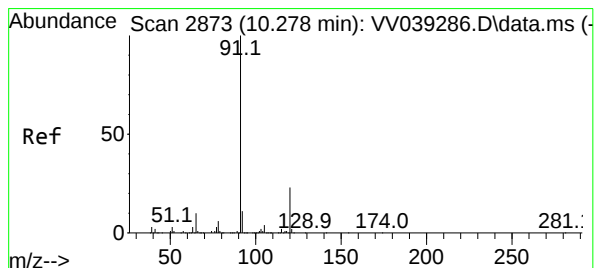
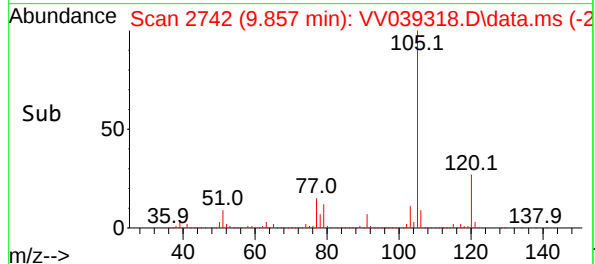
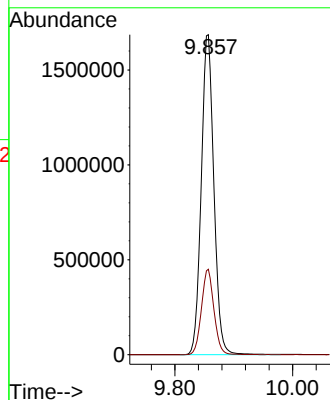
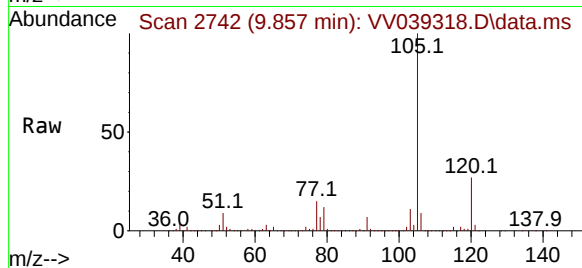
#73
Isopropylbenzene
Concen: 48.537 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. 0.000 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Tgt Ion:105 Resp: 250881
Ion Ratio Lower Upper
105 100
120 26.3 13.2 39.5

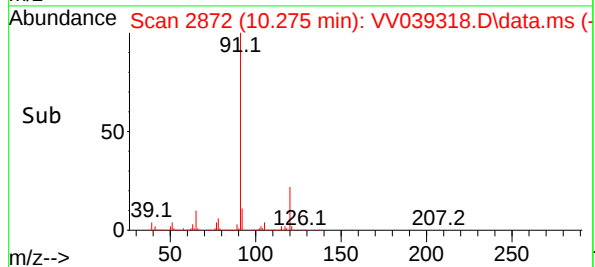
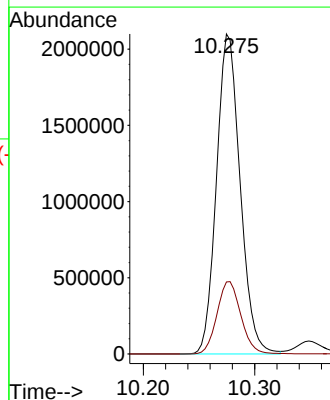
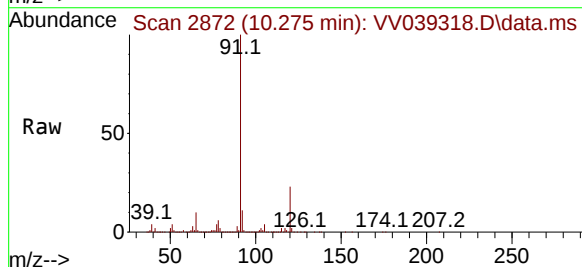
Manual Integrations
APPROVED

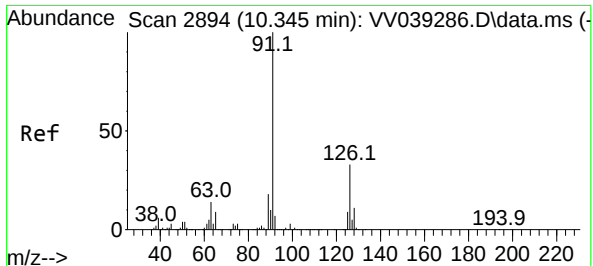
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#78
n-propylbenzene
Concen: 49.326 ug/l
RT: 10.275 min Scan# 2872
Delta R.T. -0.003 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

Tgt Ion: 91 Resp: 3093598
Ion Ratio Lower Upper
91 100
120 22.9 11.5 34.5





#79

2-Chlorotoluene

Concen: 3.851 ug/l

RT: 10.349 min Scan# 2894

Delta R.T. 0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion: 91 Resp: 14911

Ion Ratio Lower Upper

91 100

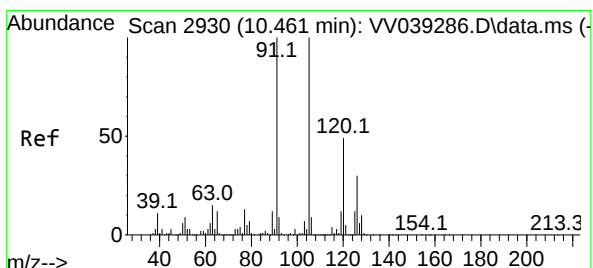
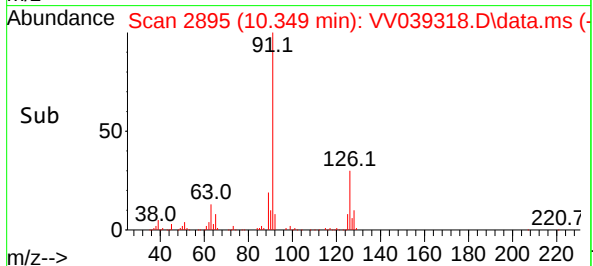
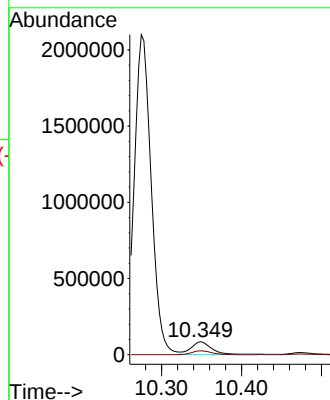
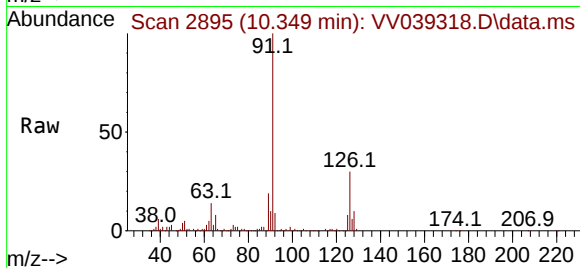
126 28.8 16.9 50.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#82

4-Chlorotoluene

Concen: 0.629 ug/l m

RT: 10.474 min Scan# 2934

Delta R.T. 0.013 min

Lab File: VV039318.D

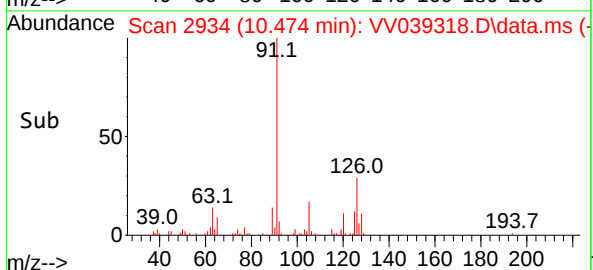
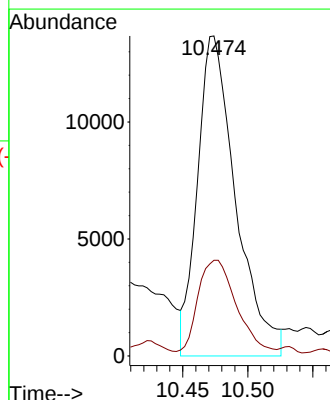
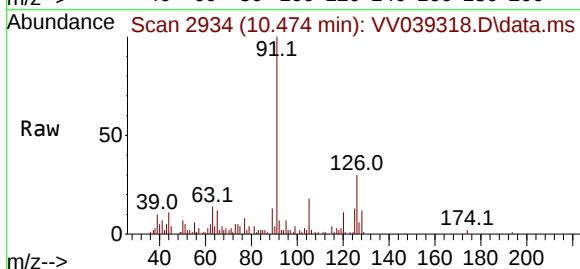
Acq: 04 Nov 2025 16:39

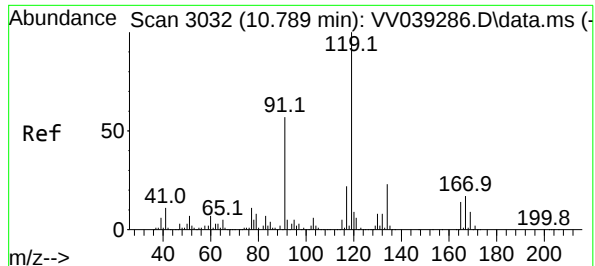
Tgt Ion: 91 Resp: 28016

Ion Ratio Lower Upper

91 100

126 153.4 14.8 44.4#





#83

tert-Butylbenzene

Concen: 0.265 ug/l

RT: 10.789 min Scan# 3032

Delta R.T. 0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

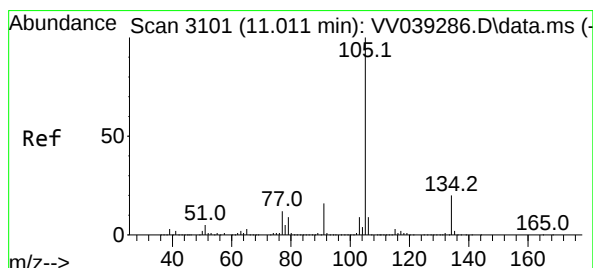
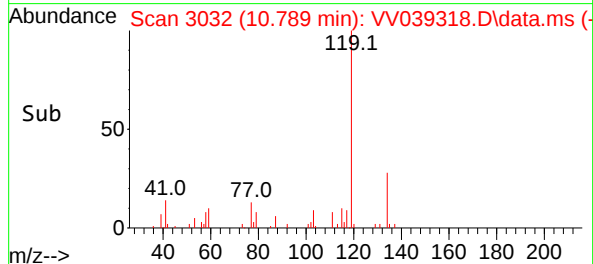
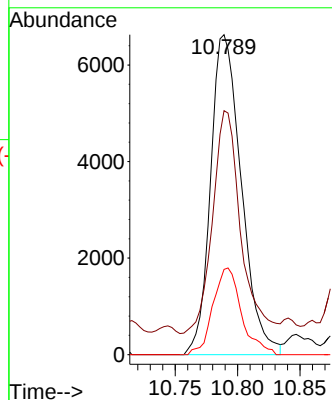
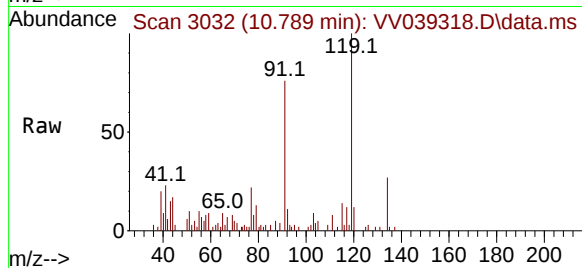
Tgt Ion:	119	Resp:	1139
Ion Ratio	Lower	Upper	
119	100		
91	63.3	28.2	84.7
134	25.2	11.5	34.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#85

sec-Butylbenzene

Concen: 1.752 ug/l

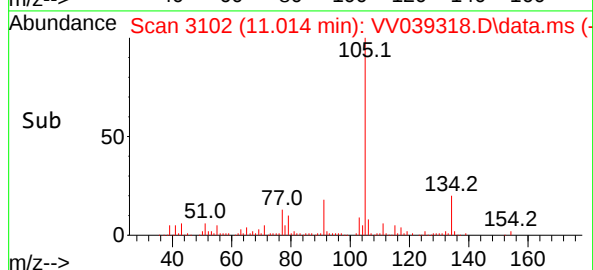
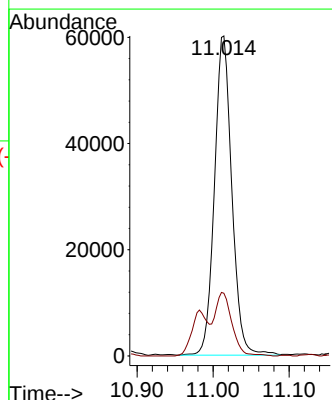
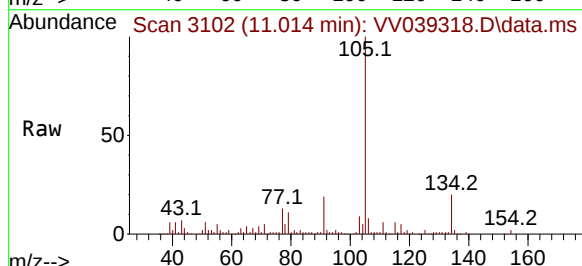
RT: 11.014 min Scan# 3102

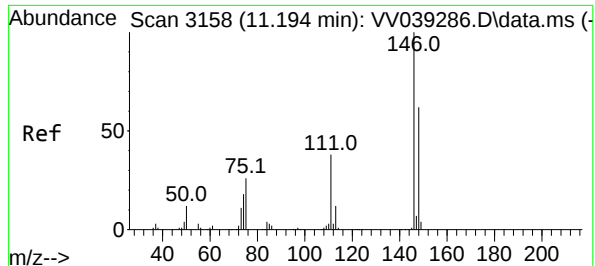
Delta R.T. 0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Tgt Ion:	105	Resp:	95341
Ion Ratio	Lower	Upper	
105	100		
134	18.8	9.8	29.5





#88

1,4-Dichlorobenzene

Concen: 3.834 ug/l

RT: 11.197 min Scan# 3158

Delta R.T. 0.003 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-1

Tgt Ion:146 Resp: 12160

Ion Ratio Lower Upper

146 100

111 48.1 19.7 59.0

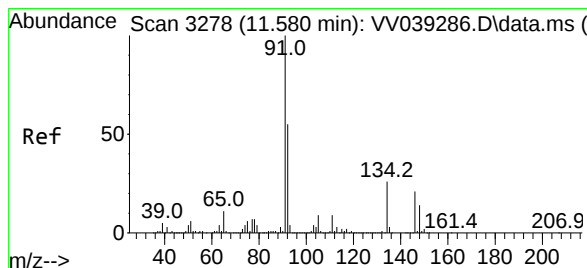
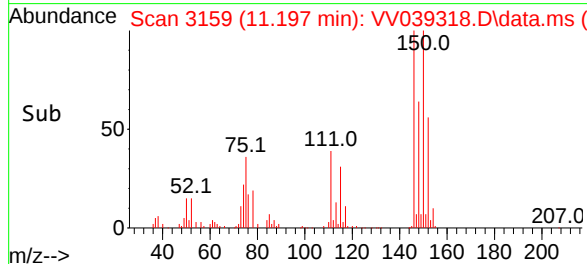
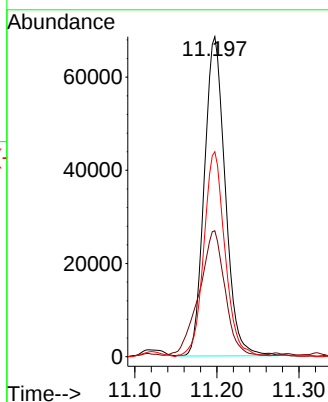
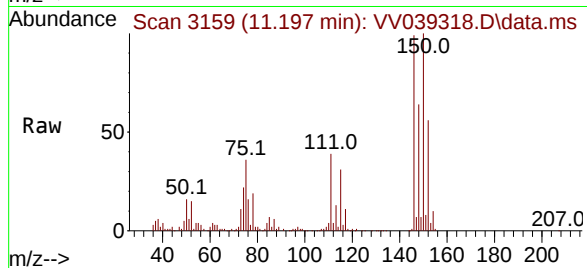
148 65.4 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#89

n-Butylbenzene

Concen: 1.924 ug/l

RT: 11.580 min Scan# 3278

Delta R.T. 0.000 min

Lab File: VV039318.D

Acq: 04 Nov 2025 16:39

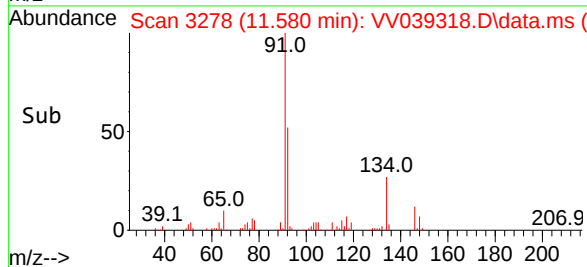
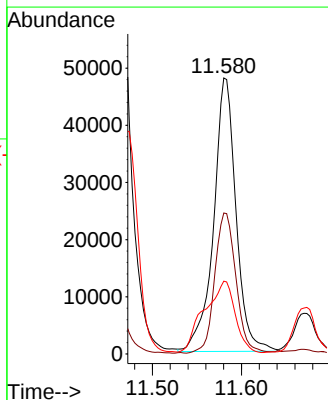
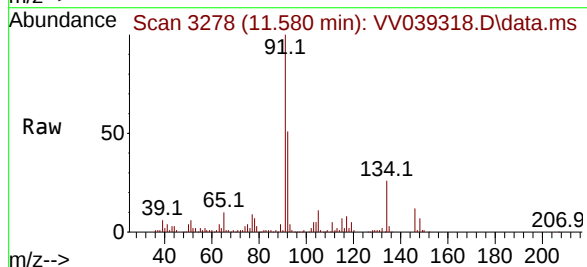
Tgt Ion: 91 Resp: 83827

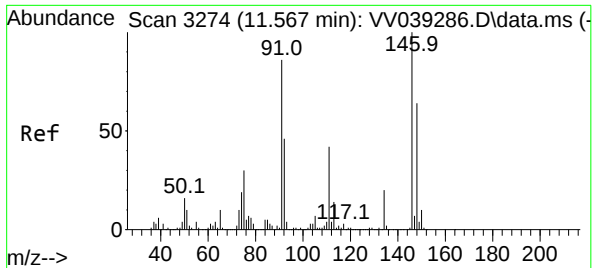
Ion Ratio Lower Upper

91 100

92 48.4 26.9 80.6

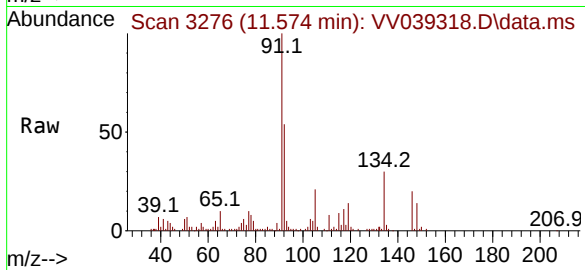
134 37.4 12.6 37.8





#91
1,2-Dichlorobenzene
Concen: 0.455 ug/l
RT: 11.574 min Scan# 31
Delta R.T. 0.006 min
Lab File: VV039318.D
Acq: 04 Nov 2025 16:39

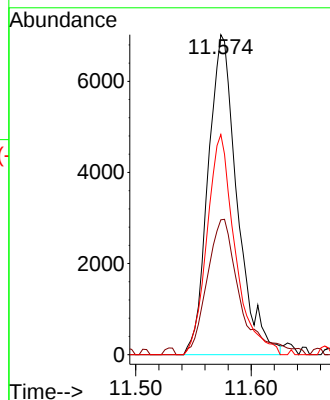
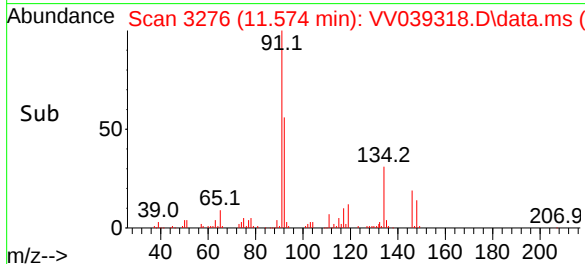
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1



Tgt Ion	Ratio	Lower	Upper
146	100		
111	47.8	21.3	64.0
148	66.3	31.9	95.7

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039318.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.121	20	25	34	rVB3	141233	178002	2.02%	0.259%
2	1.198	41	49	70	rBV	276840	727705	8.26%	1.057%
3	1.918	264	273	308	rBV	920039	1566131	17.77%	2.275%
4	3.217	661	677	713	rBV2	386006	1036553	11.76%	1.506%
5	3.802	843	859	888	rBV2	67965	239084	2.71%	0.347%
6	4.243	983	996	1039	rBV3	148309	474501	5.38%	0.689%
7	4.500	1061	1076	1094	rBV2	780642	2038826	23.13%	2.962%
8	4.600	1095	1107	1146	rVB	1075754	2925590	33.19%	4.250%
9	4.937	1200	1212	1227	rBV	841999	1944803	22.06%	2.825%
10	5.011	1228	1235	1268	rVB2	223175	598949	6.80%	0.870%
11	5.532	1381	1397	1440	rBV	1747558	3976655	45.12%	5.777%
12	7.059	1855	1872	1905	rBV	1425192	2963927	33.63%	4.306%
13	7.233	1915	1926	1967	rBV	3273069	6040972	68.54%	8.777%
14	8.149	2193	2211	2227	rBV10	33275	93748	1.06%	0.136%
15	8.773	2394	2405	2410	rBV	3154660	5008890	56.83%	7.277%
16	9.474	2615	2623	2643	rVB2	62163	115087	1.31%	0.167%
17	9.853	2729	2741	2761	rBV	4097278	6133285	69.58%	8.911%
18	9.998	2776	2786	2812	rBV	2577902	4098157	46.49%	5.954%
19	10.275	2860	2872	2887	rBV	4190575	6262993	71.05%	9.099%
20	10.349	2888	2895	2911	rVB	224004	379880	4.31%	0.552%
21	10.474	2926	2934	2948	rVB2	46550	88211	1.00%	0.128%
22	10.664	2983	2993	3015	rBV	127024	226900	2.57%	0.330%
23	10.889	3055	3063	3074	rBV	92752	139462	1.58%	0.203%
24	10.982	3084	3092	3095	rBV	90637	119292	1.35%	0.173%
25	11.011	3095	3101	3121	rVB	185204	325994	3.70%	0.474%
26	11.172	3140	3151	3173	rBV	3352062	5506960	62.48%	8.001%
27	11.275	3176	3183	3194	rVB6	63624	113982	1.29%	0.166%
28	11.381	3207	3216	3220	rBV2	66339	99380	1.13%	0.144%
29	11.448	3221	3237	3263	rVV	5449749	8814369	100.00%	12.806%
30	11.580	3264	3278	3292	rVV3	161991	388389	4.41%	0.564%
31	11.670	3296	3306	3319	rBV2	92778	150977	1.71%	0.219%
32	11.940	3379	3390	3397	rBV	767187	1184992	13.44%	1.722%
33	12.037	3411	3420	3453	rVB2	504589	1145472	13.00%	1.664%
34	12.339	3498	3514	3536	rBV	649074	1105450	12.54%	1.606%
35	12.586	3579	3591	3600	rBV4	126913	246269	2.79%	0.358%
36	12.648	3602	3610	3626	rVB	264191	443135	5.03%	0.644%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

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\82V100725W.M

Title : SW846 8260

37	12.805	3647	3659	3671	rBV2	786106	1246792	14.14%	1.811%
38	12.966	3702	3709	3721	rVB6	61864	109234	1.24%	0.159%
39	13.037	3723	3731	3743	rVB4	75323	120998	1.37%	0.176%
40	13.197	3773	3781	3788	rBV2	61489	91191	1.03%	0.132%
41	13.840	3971	3981	3994	rBV4	60306	112783	1.28%	0.164%
42	14.033	4027	4041	4053	rBV4	55796	123115	1.40%	0.179%
43	14.387	4133	4151	4161	rBV4	56890	124019	1.41%	0.180%

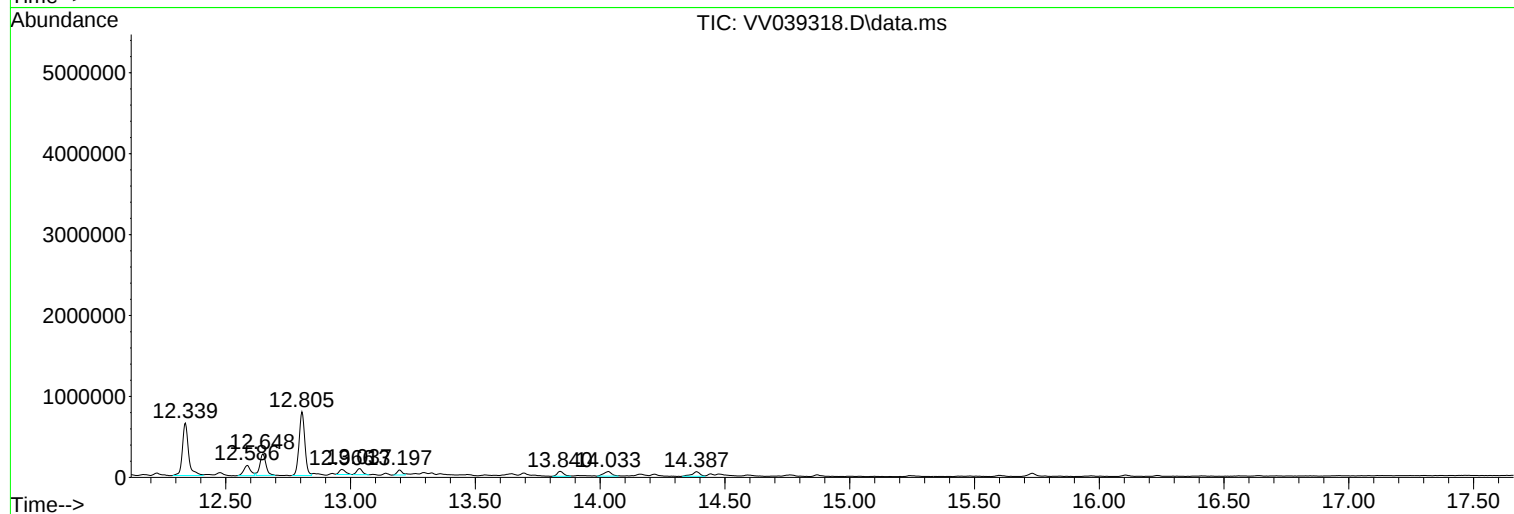
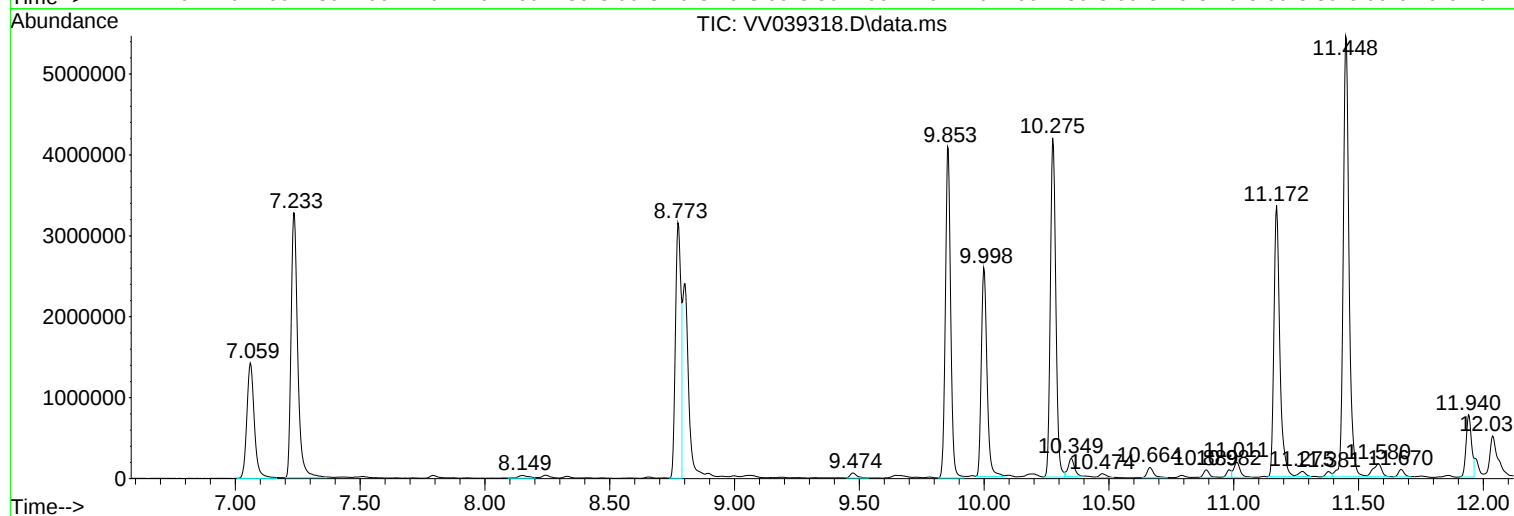
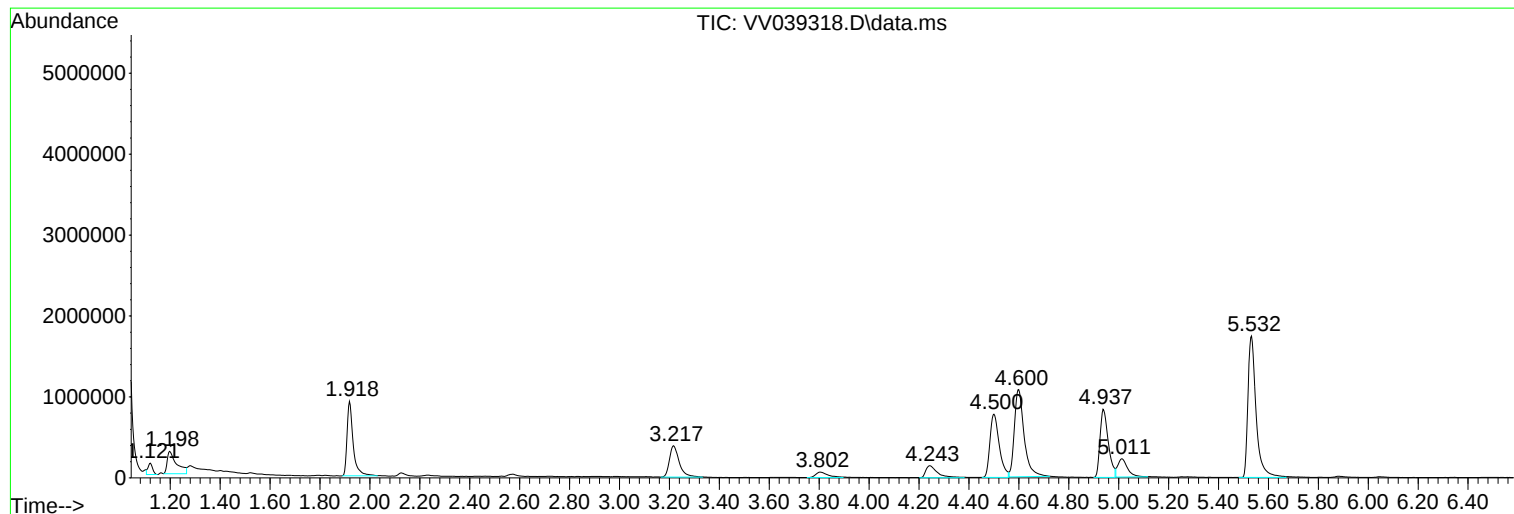
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

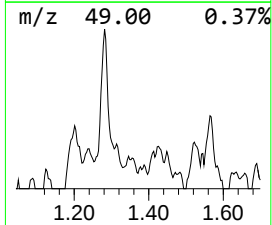
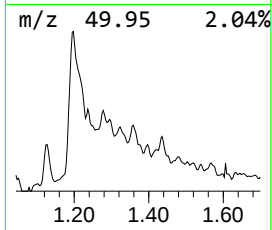
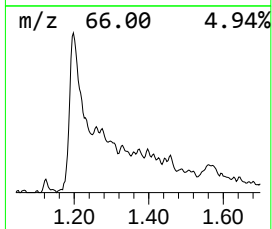
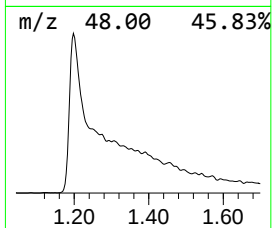
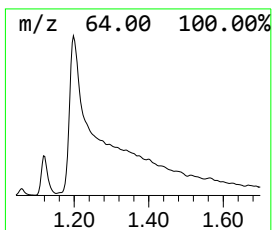
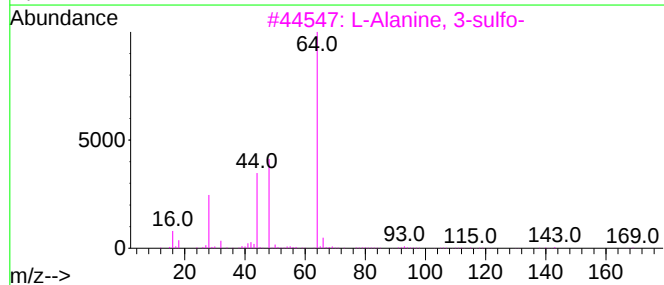
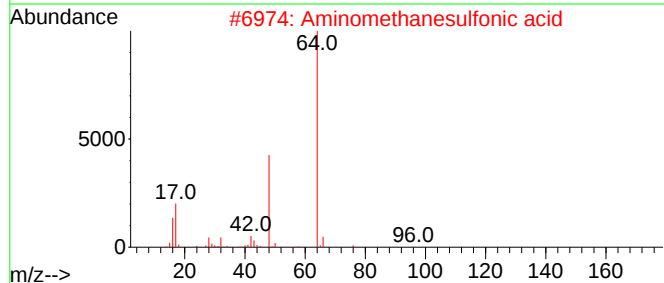
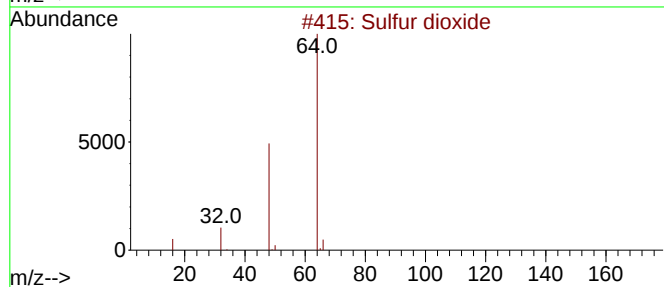
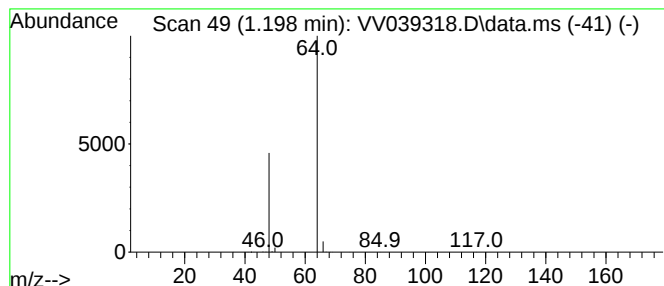
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

Peak Number 1 Sulfur dioxide Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.	
1.198	12.44 ug/l	727705	Pentafluorobenzene	4.600	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Sulfur dioxide	64	O2S	007446-09-5	90
2	Aminomethanesulfonic acid	111	CH5NO3S	013881-91-9	64
3	L-Alanine, 3-sulfo-	169	C3H7NO5S	000498-40-8	9
4	Ethene, 1,1-difluoro-	64	C2H2F2	000075-38-7	4
5	Ethyl Chloride	64	C2H5Cl	000075-00-3	3



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

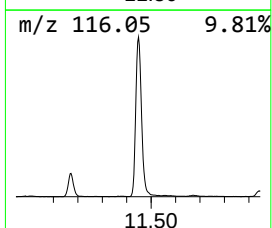
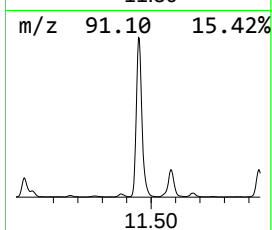
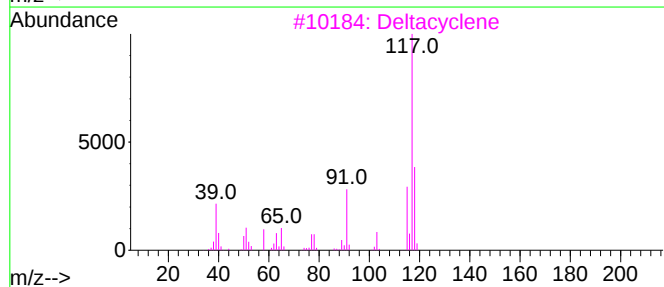
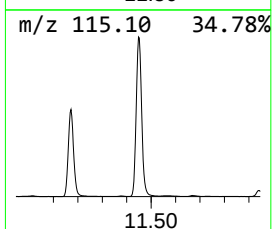
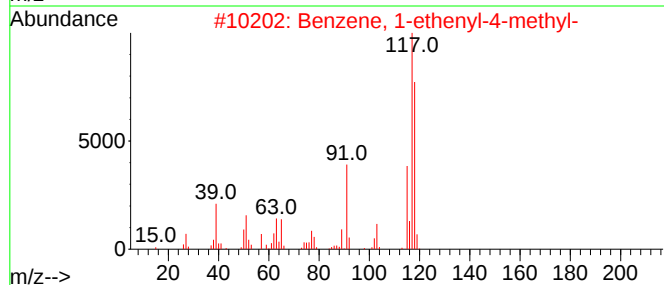
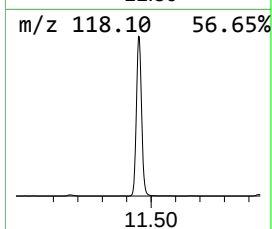
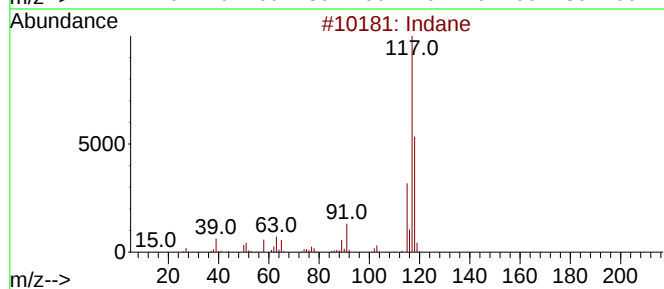
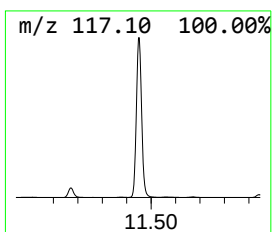
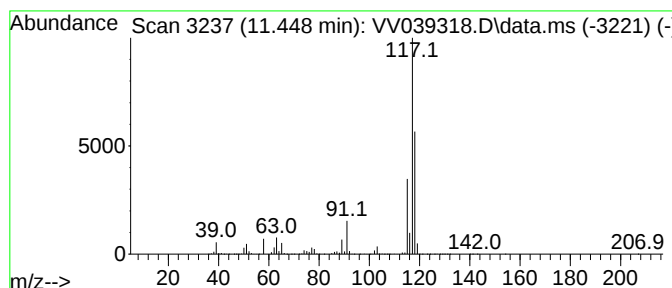
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

Peak Number 3 Indane Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.	
11.448	80.03 ug/l	8814370	1,4-Dichlorobenzene-d4	11.172	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Indane	118	C9H10	000496-11-7	95
2	Benzene, 1-ethenyl-4-methyl-	118	C9H10	000622-97-9	74
3	Deltacyclene	118	C9H10	007785-10-6	72
4	Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	64
5	Benzene, 2-propenyl-	118	C9H10	000300-57-2	60



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

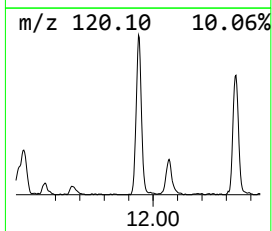
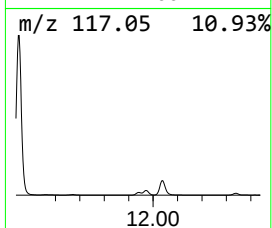
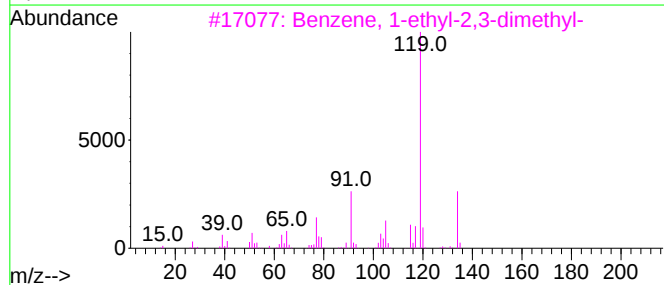
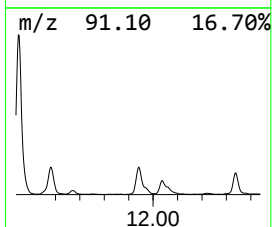
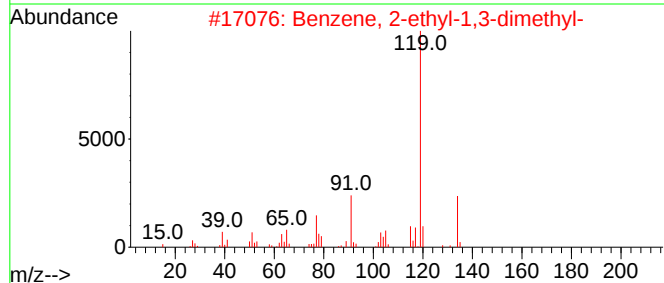
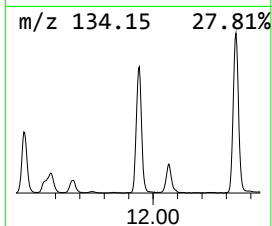
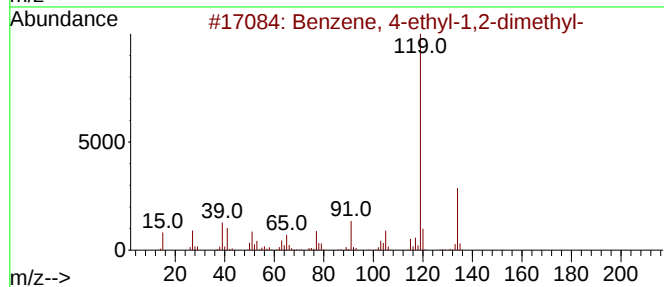
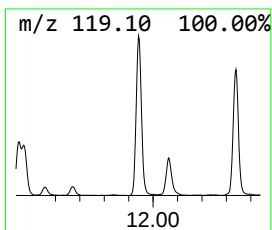
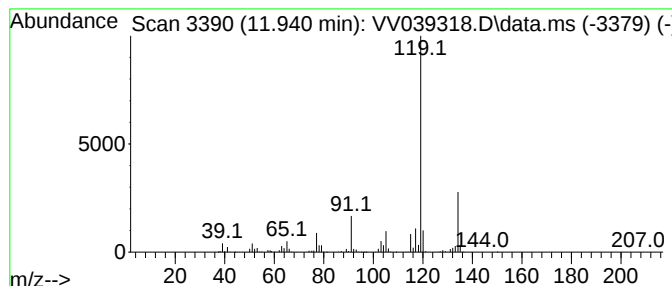
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

Peak Number 4 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.940	10.76 ug/l	1184990	1,4-Dichlorobenzene-d4	11.172

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

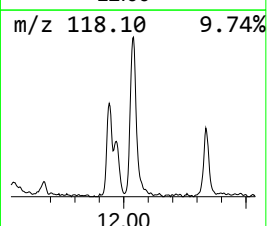
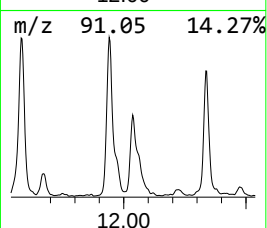
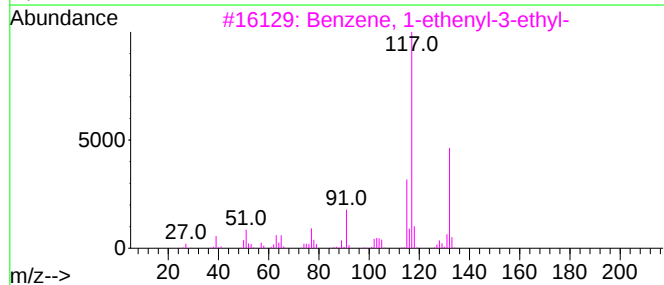
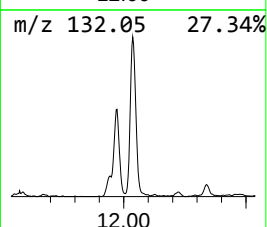
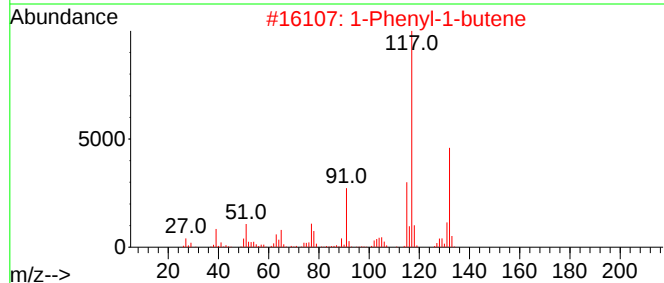
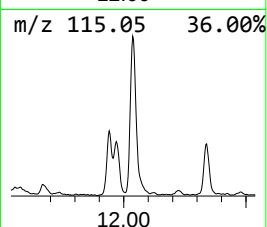
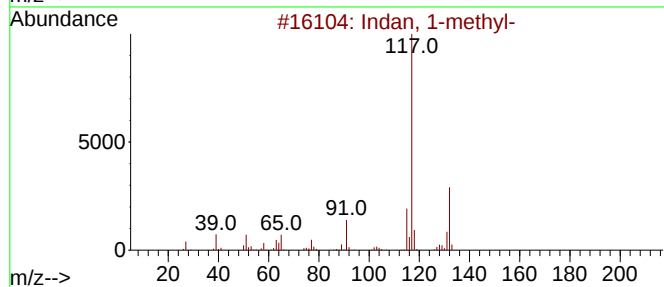
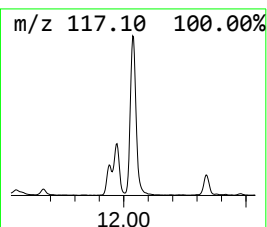
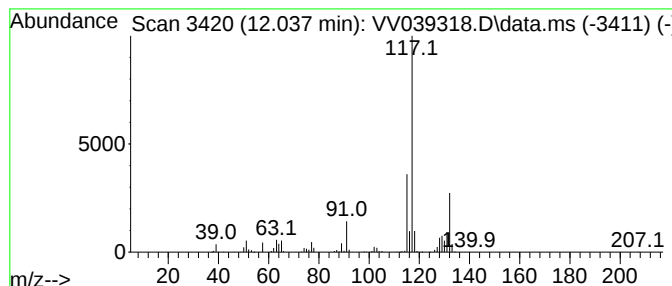
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

Peak Number 5 Indan, 1-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.037	10.40 ug/l	1145470	1,4-Dichlorobenzene-d4	11.172

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indan, 1-methyl-	132	C10H12	000767-58-8	87
2			1-Phenyl-1-butene	132	C10H12	000824-90-8	87
3			Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	87
4			Benzene, (1-methyl-1-propenyl)-,...	132	C10H12	000768-00-3	86
5			(E)-1-Phenyl-1-butene	132	C10H12	001005-64-7	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

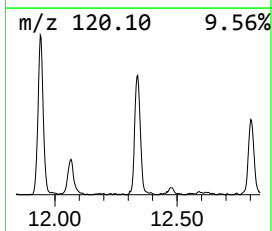
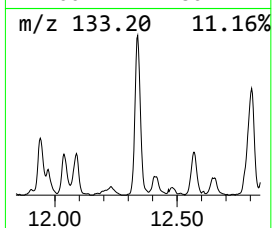
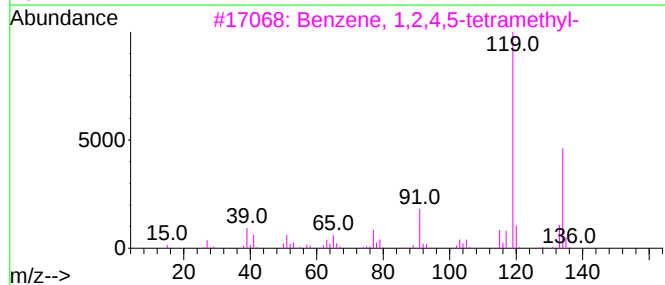
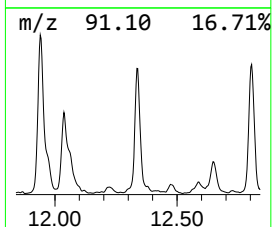
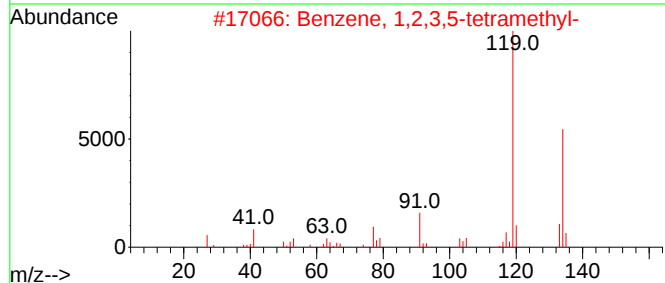
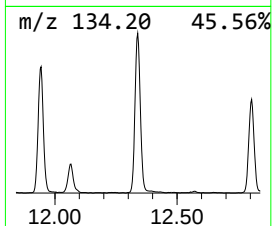
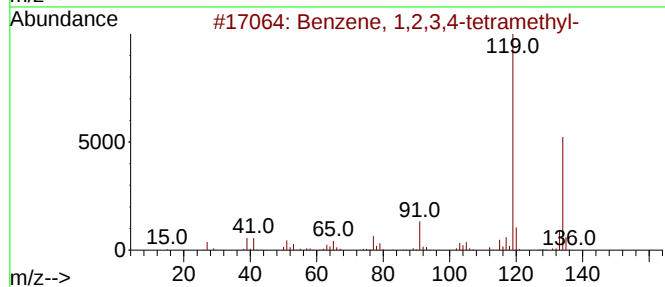
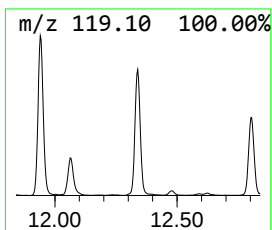
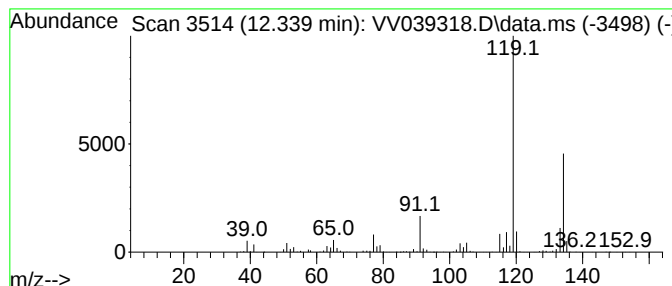
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Quant Title : SW846 8260

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

Peak Number 6 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.339	10.04 ug/l	1105450	1,4-Dichlorobenzene-d4	11.172

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
3			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	96
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5			1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039318.D
Acq On : 04 Nov 2025 16:39
Operator : SY/MD
Sample : Q3534-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-1

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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
Sulfur dioxide	1.198	12.4	ug/l	727705	1	4.600	2925590	50.0
Indane	11.448	80.0	ug/l	8814370	4	11.172	5506960	50.0
Benzene, 4-ethy...	11.940	10.8	ug/l	1184990	4	11.172	5506960	50.0
Indan, 1-methyl-	12.037	10.4	ug/l	1145470	4	11.172	5506960	50.0
Benzene, 1,2,3,...	12.339	10.0	ug/l	1105450	4	11.172	5506960	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039319.D
 Acq On : 04 Nov 2025 17:02
 Operator : SY/MD
 Sample : Q3534-06
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-EB-2

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:39:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	616619	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1121740	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1092486	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	497981	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	524263	59.835	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 119.660%#			
35) Dibromofluoromethane	4.500	113	453587	51.319	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.640%			
50) Toluene-d8	7.236	98	1410464	46.909	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.820%			
62) 4-Bromofluorobenzene	10.001	95	488084	45.579	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.160%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.921	74	26811	5.246	ug/l	99
22) Diisopropyl ether	3.217	45	65193	2.755	ug/l #	36
29) Tetrahydrofuran	4.256	42	15411m	4.498	ug/l	
65) Chlorobenzene	8.809	112	63971	2.473	ug/l	100
88) 1,4-Dichlorobenzene	11.198	146	30118	1.623	ug/l #	77

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

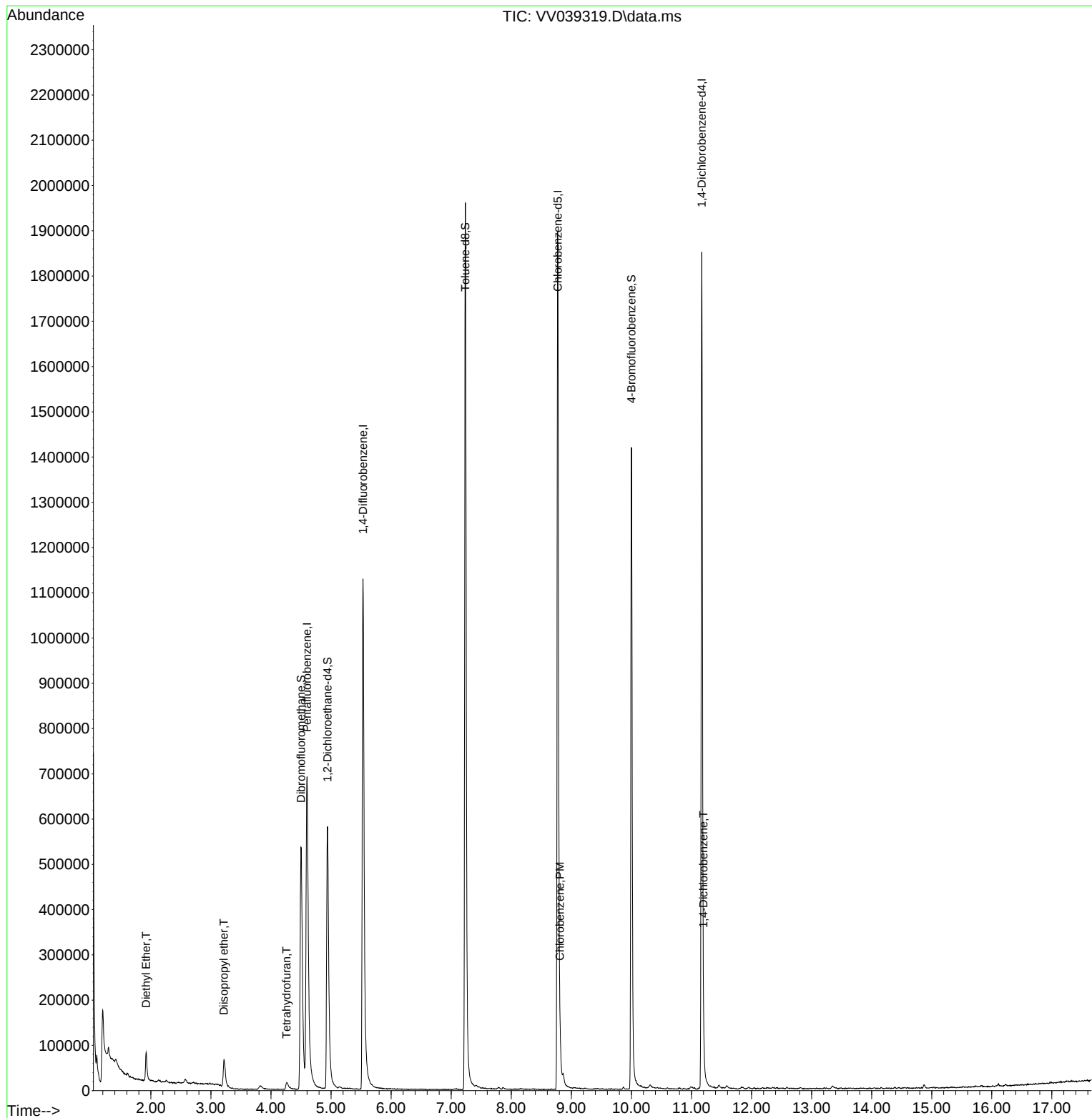
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Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

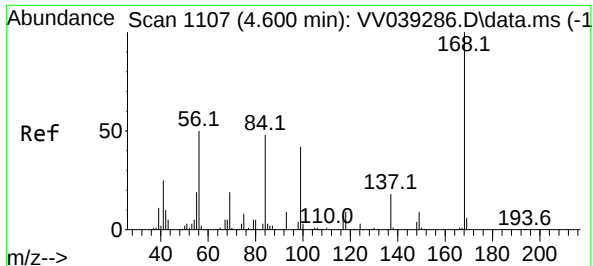
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Time: Nov 05 00:39:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Manual Integrations
APPROVED

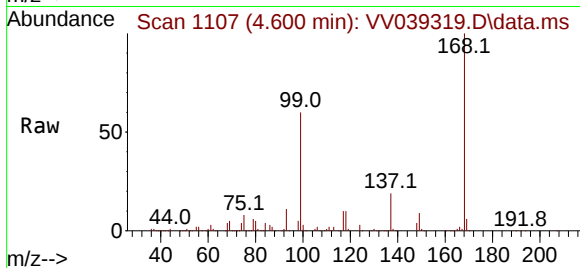
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

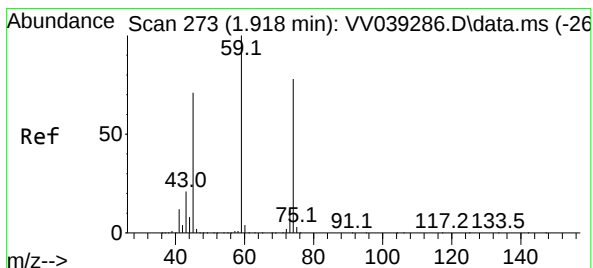
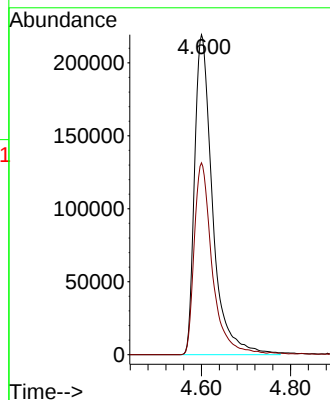
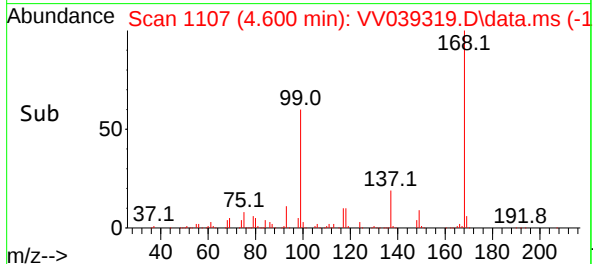
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2



Tgt Ion:168 Resp: 616619
Ion Ratio Lower Upper
168 100
99 59.9 46.6 70.0

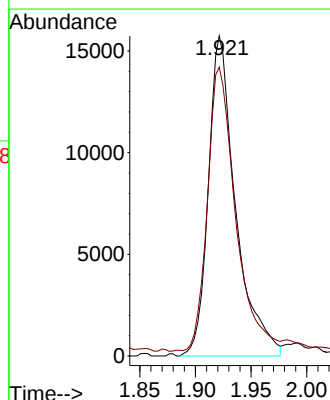
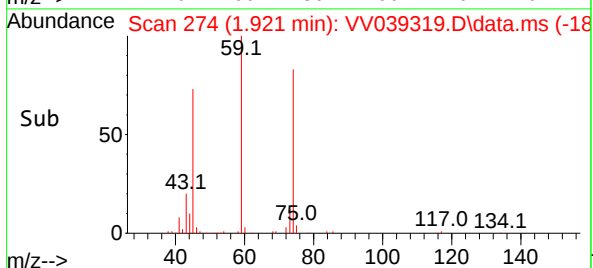
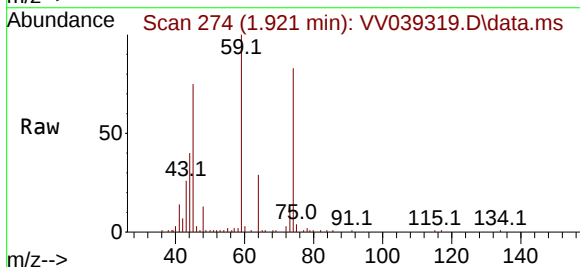
Manual Integrations
APPROVED

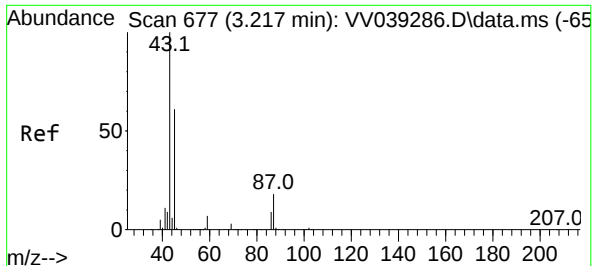
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 5.246 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion: 74 Resp: 26811
Ion Ratio Lower Upper
74 100
45 91.2 45.9 137.7





#22

Diisopropyl ether

Concen: 2.755 ug/l

RT: 3.217 min Scan# 61

Delta R.T. 0.000 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-2

Tgt Ion: 45 Resp: 6519

Ion Ratio Lower Upper

45 100

43 56.5 130.8 196.2

87 31.0 23.8 35.8

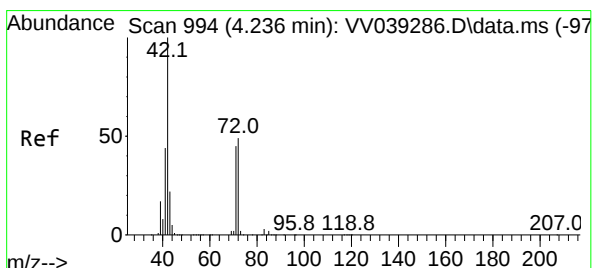
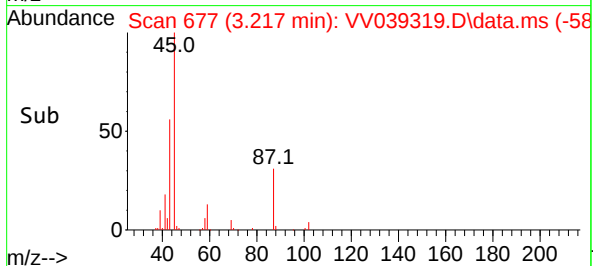
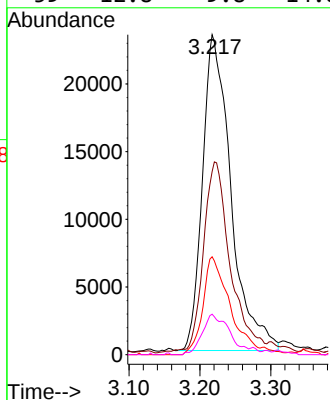
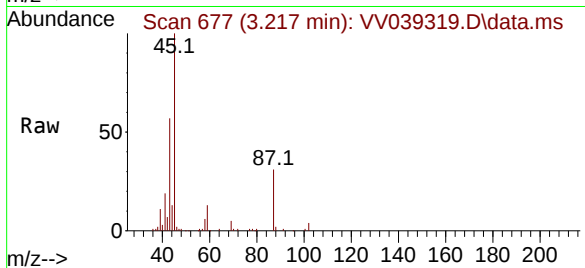
59 12.8 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#29

Tetrahydrofuran

Concen: 4.498 ug/l m

RT: 4.256 min Scan# 1000

Delta R.T. 0.019 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

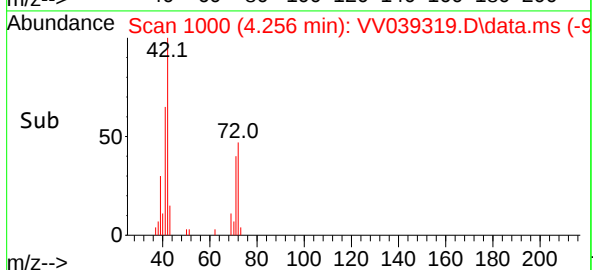
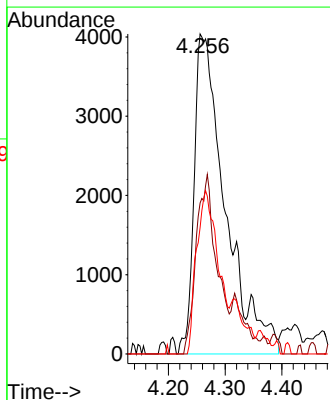
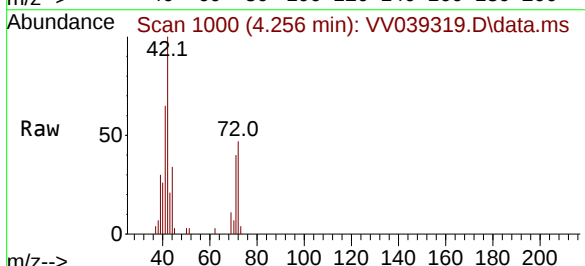
Tgt Ion: 42 Resp: 15411

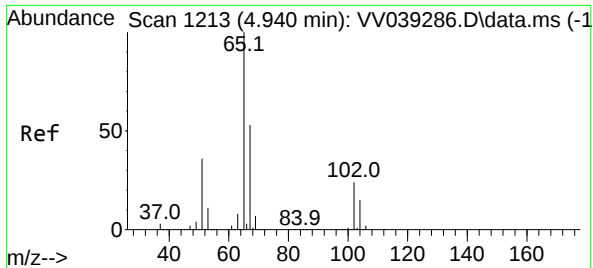
Ion Ratio Lower Upper

42 100

72 36.8 39.8 59.8#

71 35.6 36.5 54.7#





#33

1,2-Dichloroethane-d4

Concen: 59.835 ug/l

RT: 4.941 min Scan# 1213

Delta R.T. 0.000 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-2

Tgt Ion: 65 Resp: 52426

Ion Ratio Lower Upper

65 100

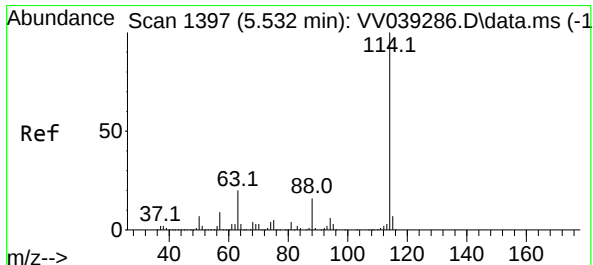
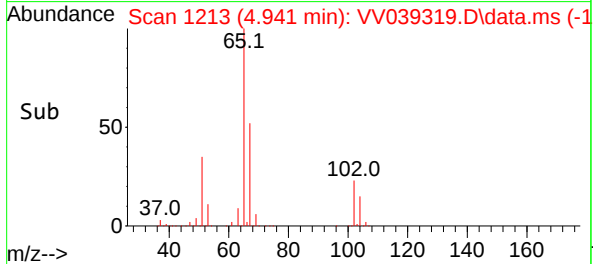
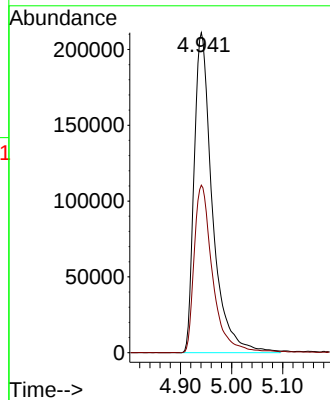
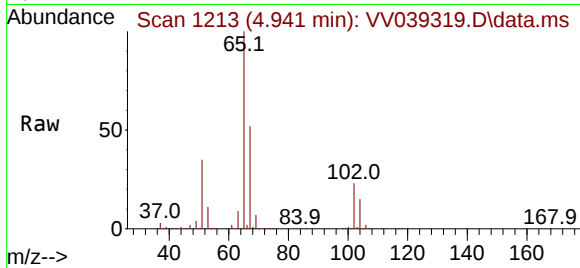
67 52.6 0.0 108.4

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

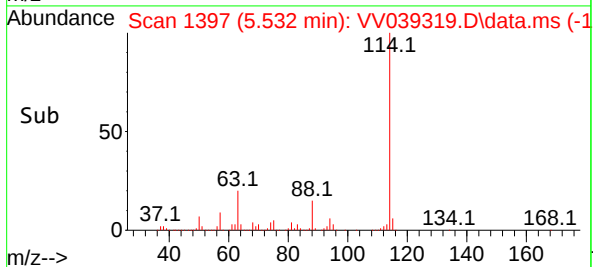
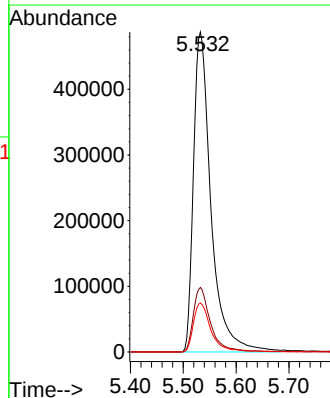
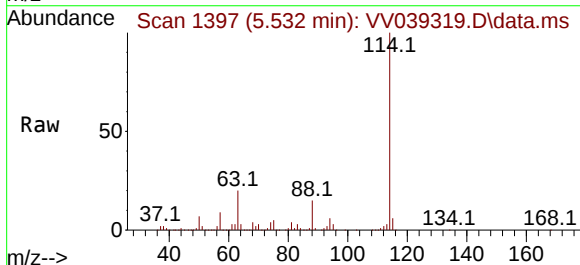
Tgt Ion:114 Resp: 1121740

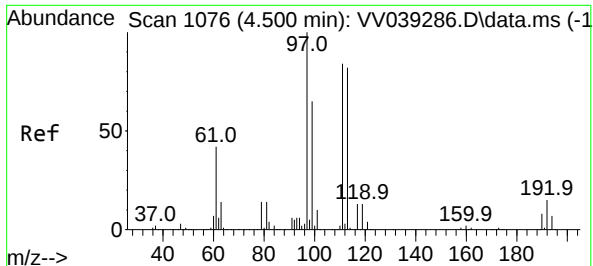
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.3 0.0 31.6





#35

Dibromofluoromethane

Concen: 51.319 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-2

Tgt Ion:113 Resp: 45358

Ion Ratio Lower Upper

113 100

111 103.2 82.0 123.0

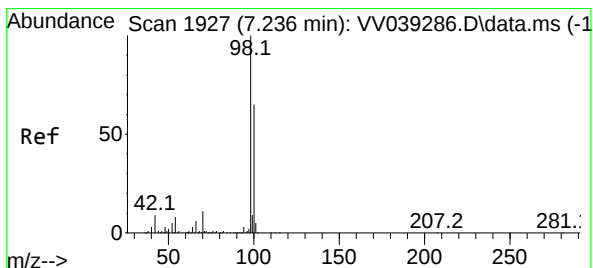
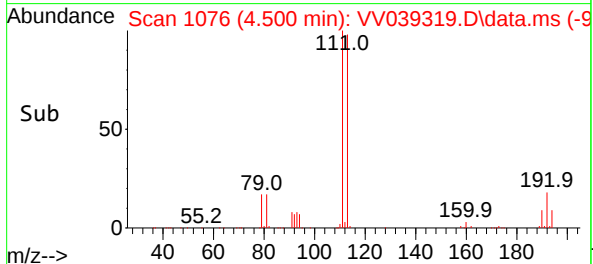
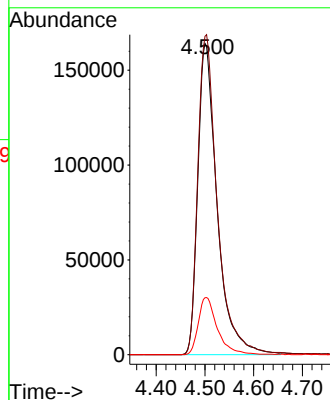
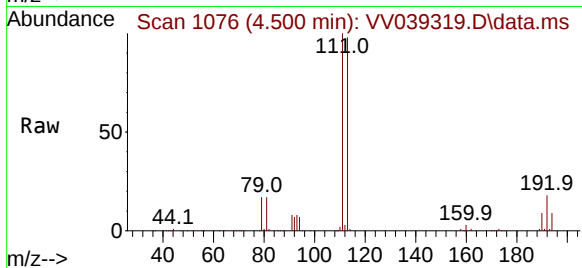
192 18.1 14.3 21.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#50

Toluene-d8

Concen: 46.909 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039319.D

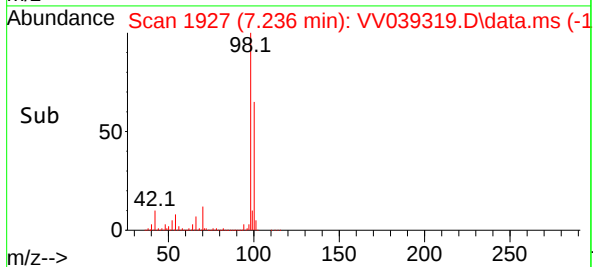
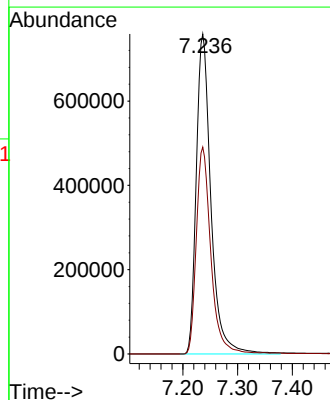
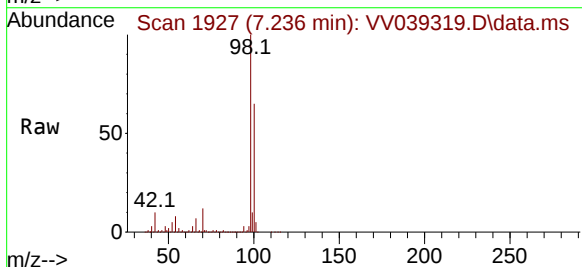
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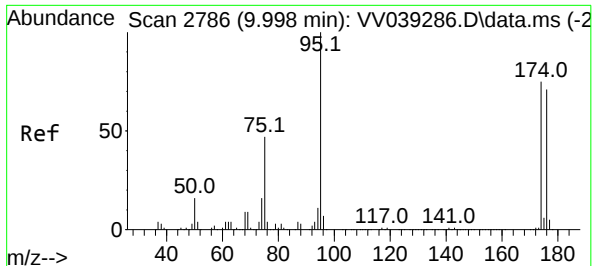
Tgt Ion: 98 Resp: 1410464

Ion Ratio Lower Upper

98 100

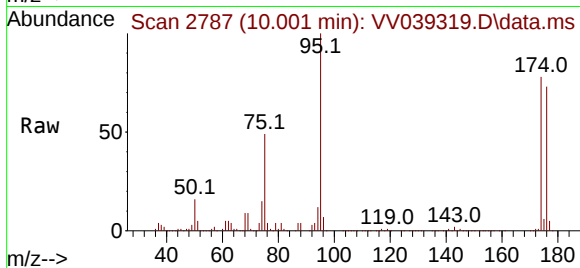
100 64.0 52.8 79.2





#62
4-Bromofluorobenzene
Concen: 45.579 ug/l
RT: 10.001 min Scan# 21
Delta R.T. 0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

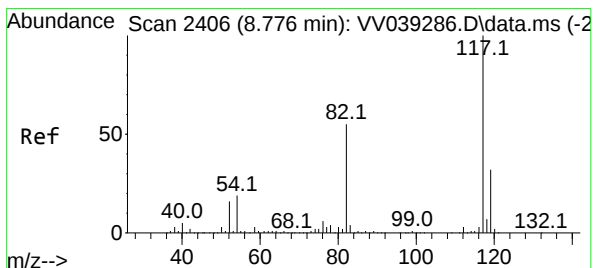
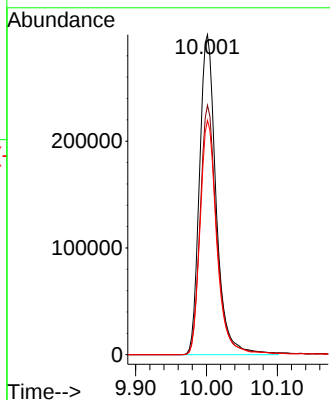
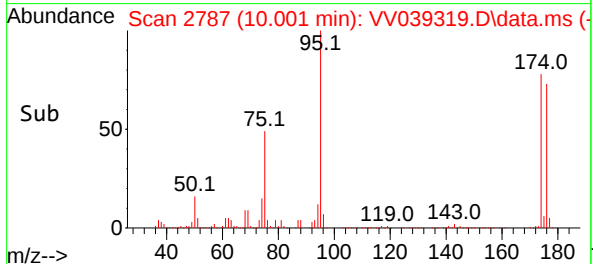
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2



Tgt Ion: 95 Resp: 488084
Ion Ratio Lower Upper
95 100
174 79.3 0.0 153.6
176 73.7 0.0 146.0

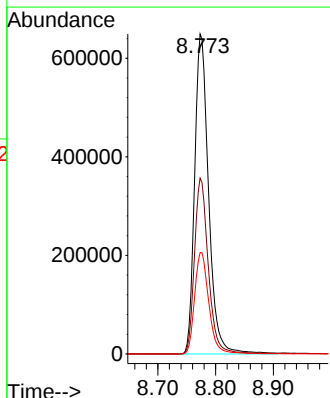
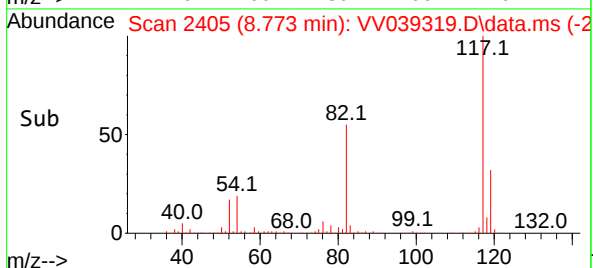
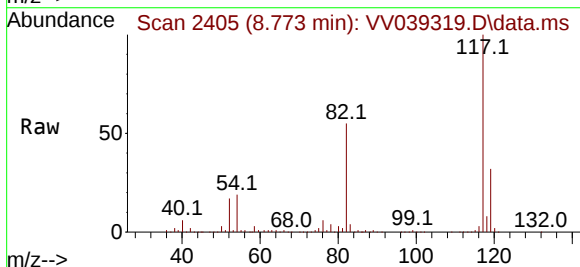
Manual Integrations
APPROVED

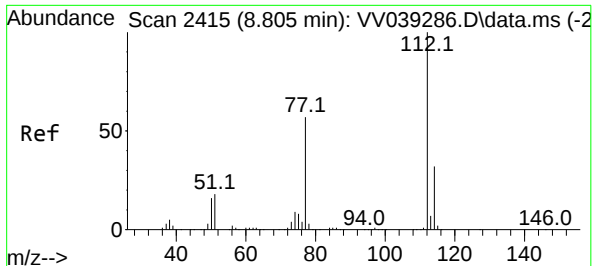
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039319.D
Acq: 04 Nov 2025 17:02

Tgt Ion:117 Resp: 1092486
Ion Ratio Lower Upper
117 100
82 55.0 43.8 65.8
119 31.7 25.8 38.6





#65

Chlorobenzene

Concen: 2.473 ug/l

RT: 8.809 min Scan# 2415

Delta R.T. 0.003 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-2

Tgt Ion:112 Resp: 6397

Ion Ratio Lower Upper

112 100

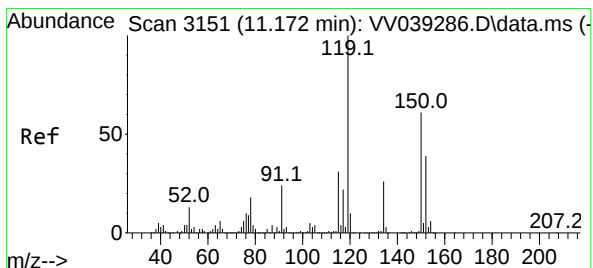
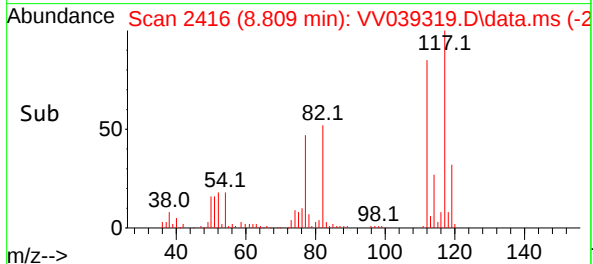
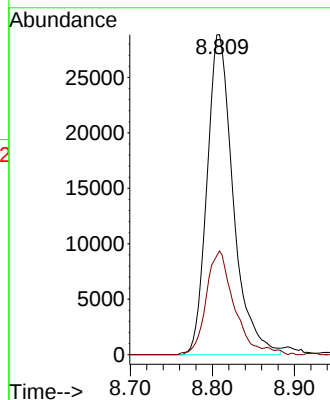
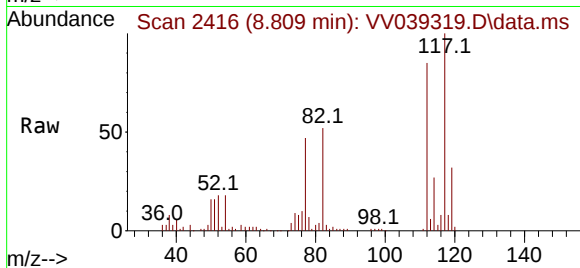
114 32.0 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

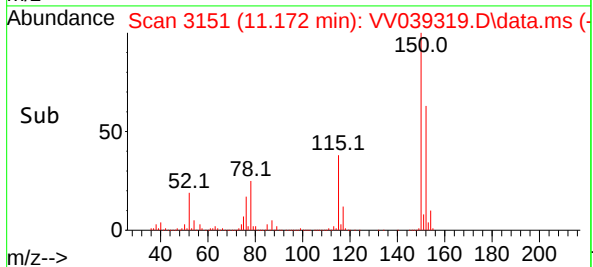
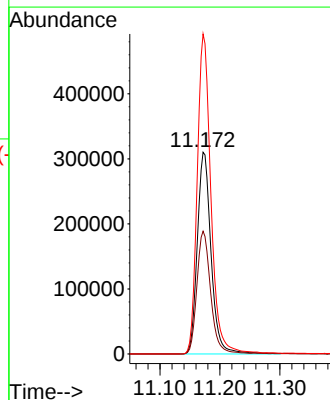
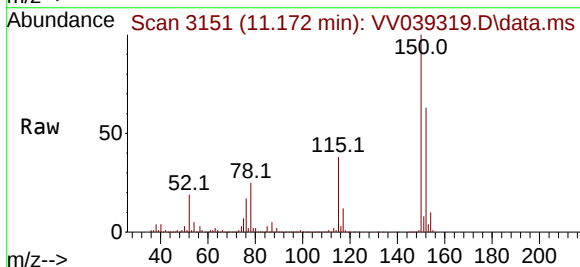
Tgt Ion:152 Resp: 497981

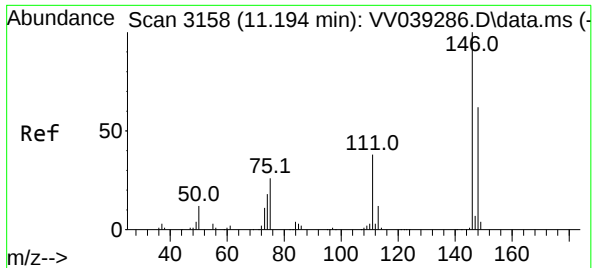
Ion Ratio Lower Upper

152 100

115 60.9 42.3 126.8

150 157.1 0.0 348.0





#88

1,4-Dichlorobenzene

Concen: 1.623 ug/l

RT: 11.198 min Scan# 3159

Delta R.T. 0.003 min

Lab File: VV039319.D

Acq: 04 Nov 2025 17:02

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-2

Tgt Ion:146 Resp: 30118

Ion Ratio Lower Upper

146 100

111 61.7 19.7 59.0

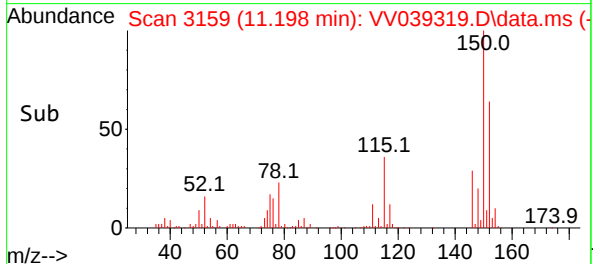
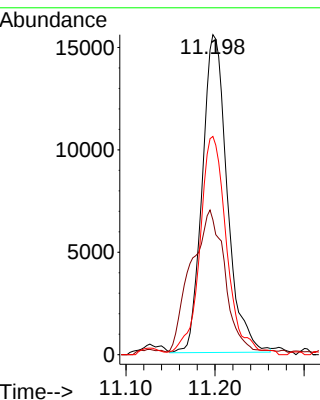
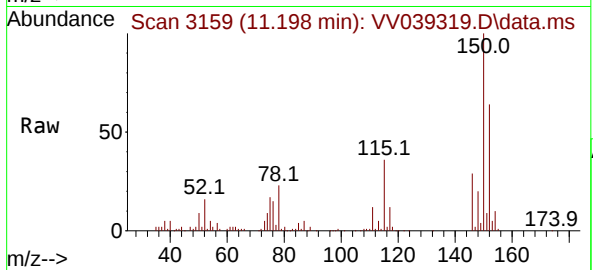
148 73.9 31.5 94.5

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039319.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.098	16	18	38	rVB3	59018	94063	2.57%	0.454%
2	1.198	39	49	69	rBV	157598	496180	13.55%	2.395%
3	1.921	267	274	287	rVB	59820	96826	2.64%	0.467%
4	3.217	666	677	697	rVB2	58557	144074	3.94%	0.695%
5	4.265	991	1003	1017	rBV6	15903	46415	1.27%	0.224%
6	4.500	1062	1076	1095	rBV	534175	1409101	38.49%	6.802%
7	4.600	1095	1107	1159	rVB	686767	1945960	53.15%	9.393%
8	4.941	1201	1213	1240	rBV	578361	1426173	38.95%	6.884%
9	5.532	1386	1397	1441	rBV	1127541	2616280	71.46%	12.629%
10	7.236	1914	1927	1961	rBV	1959805	3661166	100.00%	17.673%
11	8.773	2395	2405	2429	rBV	1895508	3382973	92.40%	16.330%
12	10.001	2774	2787	2809	rBV	1417977	2336459	63.82%	11.278%
13	11.172	3140	3151	3177	rBV	1847475	3060597	83.60%	14.774%

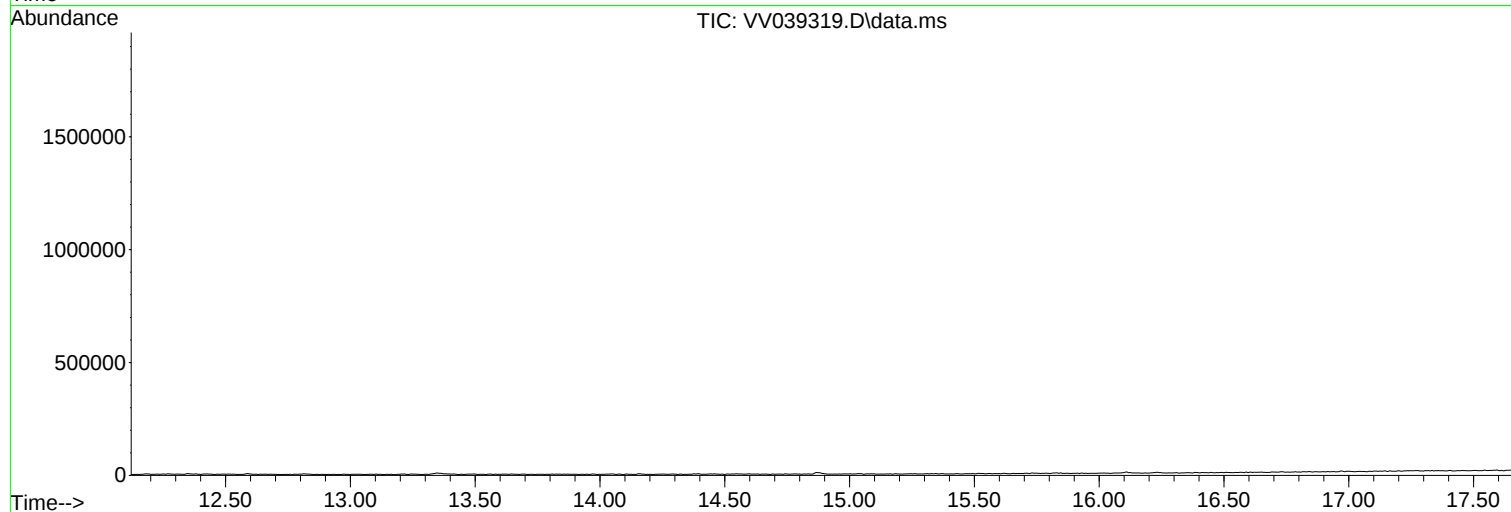
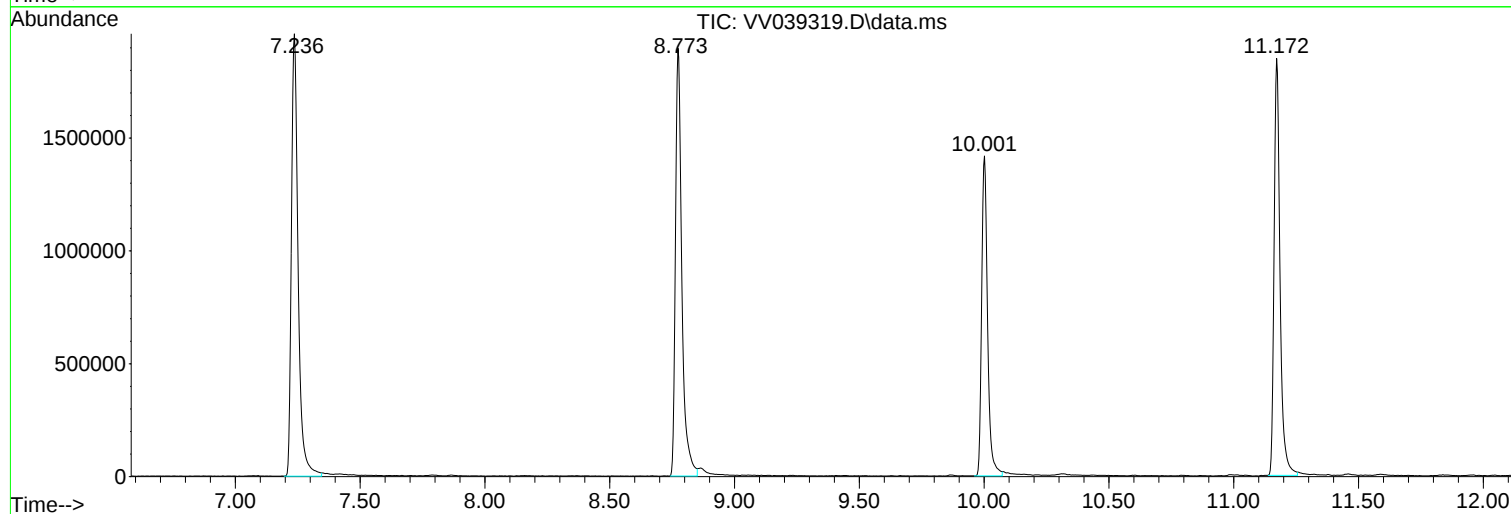
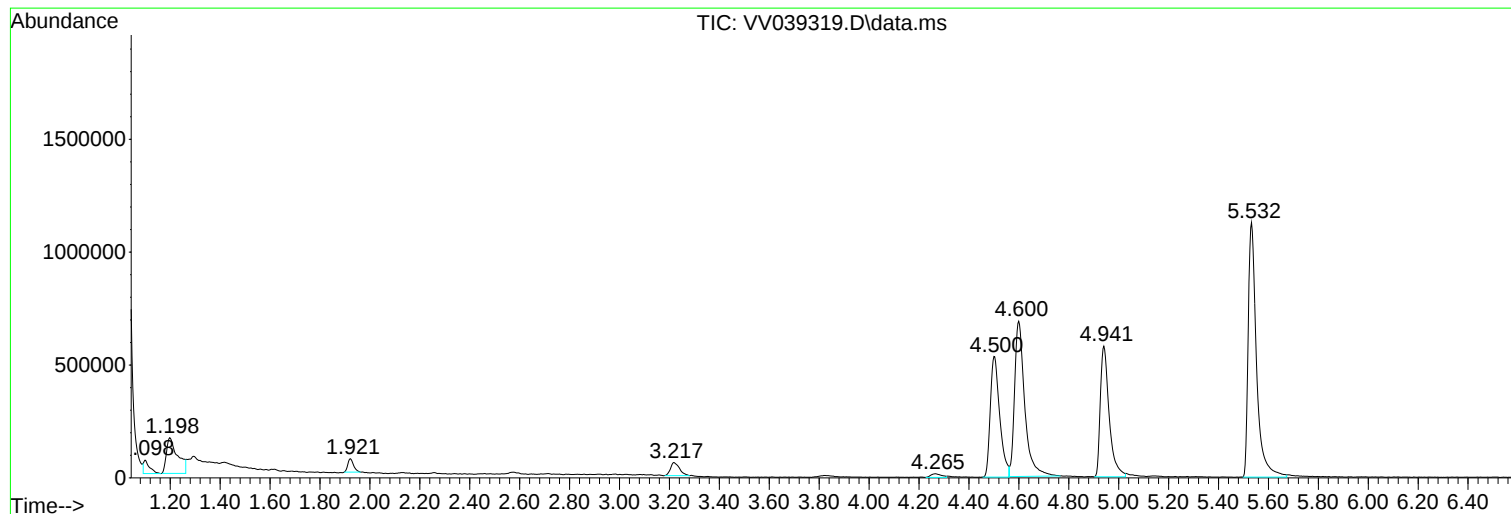
Sum of corrected areas: 20716267

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039319.D
Acq On : 04 Nov 2025 17:02
Operator : SY/MD
Sample : Q3534-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-2

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039320.D
 Acq On : 04 Nov 2025 17:24
 Operator : SY/MD
 Sample : Q3534-07
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 MW-EB-3

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:40:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	890347	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1641332	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1514755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	687973	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	687885	54.372	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.740%			
35) Dibromofluoromethane	4.500	113	619545	47.906	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 95.820%			
50) Toluene-d8	7.236	98	2004989	45.572	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.140%			
62) 4-Bromofluorobenzene	9.998	95	679654	43.377	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 86.760%			
Target Compounds						
					Qvalue	
8) Diethyl Ether	1.921	74	7972	1.080	ug/l	90
29) Tetrahydrofuran	4.272	42	9654m	1.952	ug/l	
65) Chlorobenzene	8.805	112	209972	5.855	ug/l	97
88) 1,4-Dichlorobenzene	11.194	146	26527	1.035	ug/l #	66

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

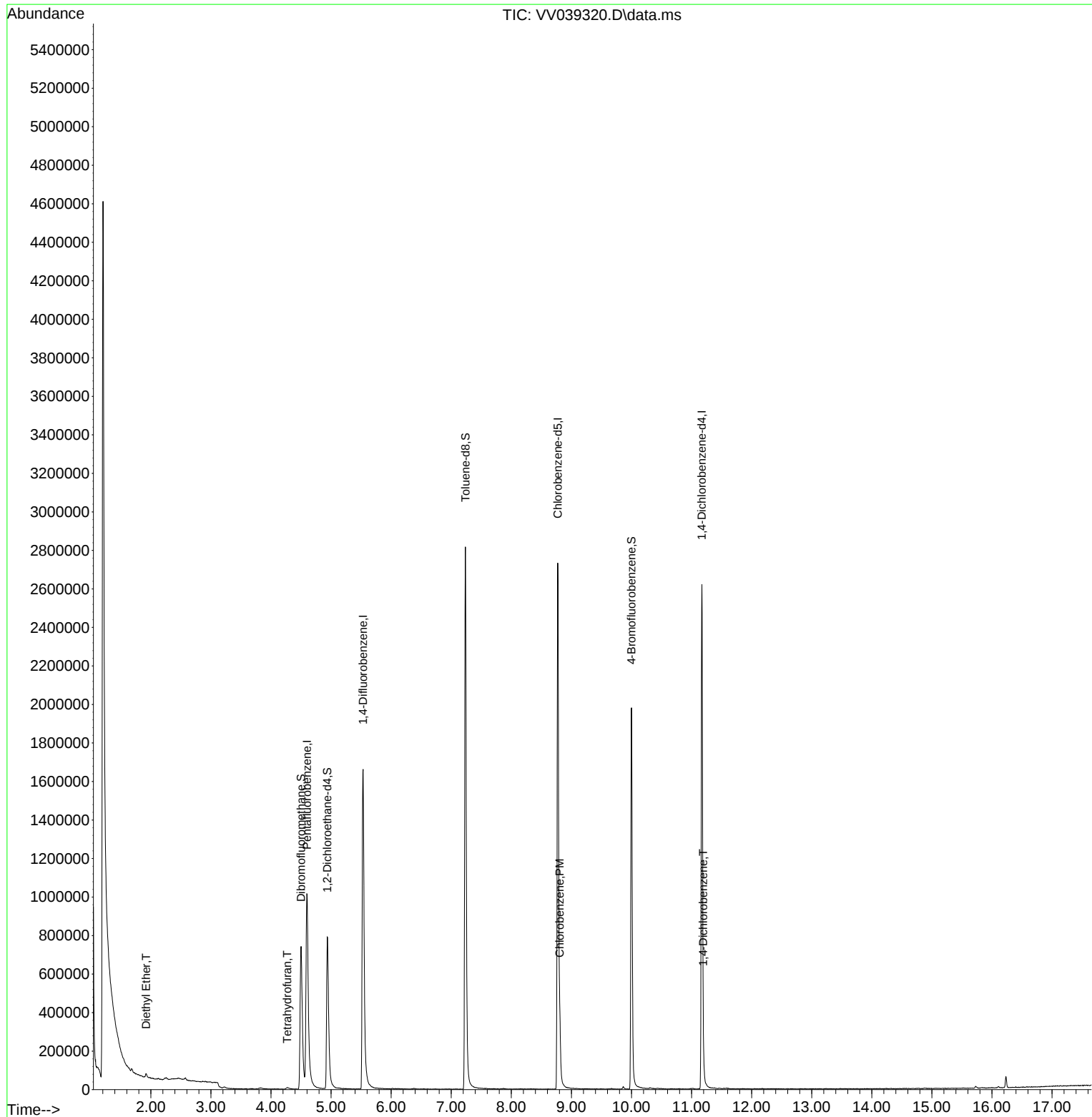
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

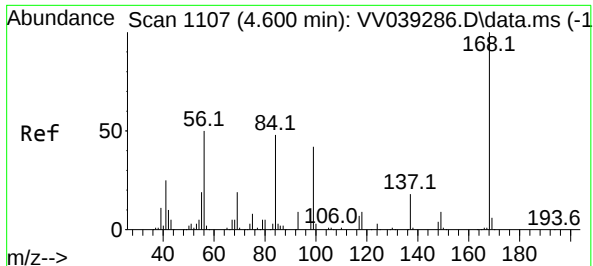
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

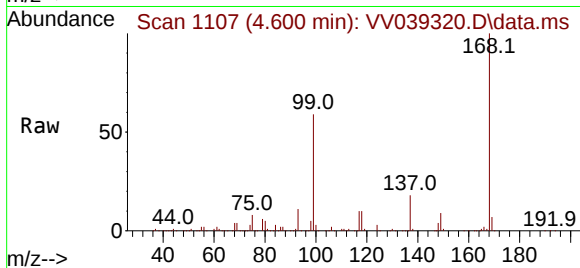
Quant Time: Nov 05 00:40:06 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

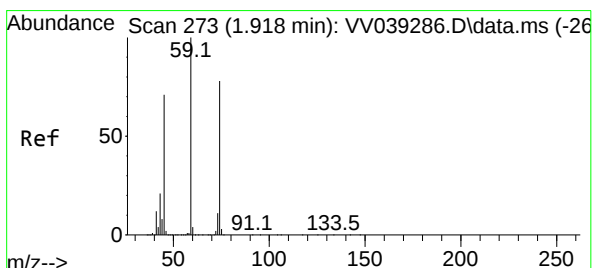
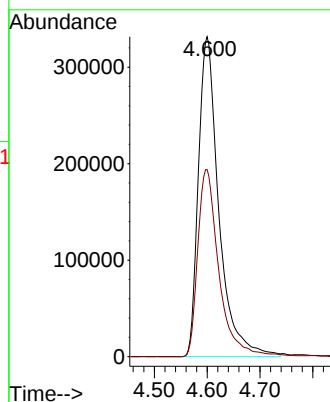
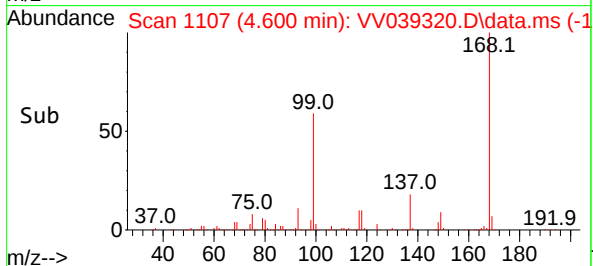
Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3



Tgt Ion:168 Resp: 89034
Ion Ratio Lower Upper
168 100
99 58.5 46.6 70.0

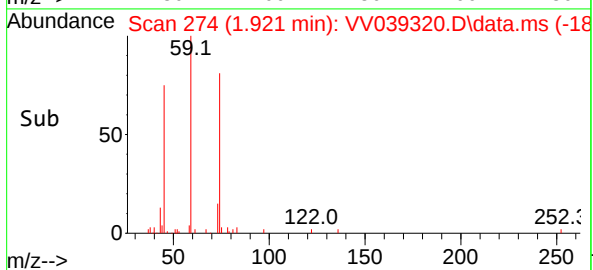
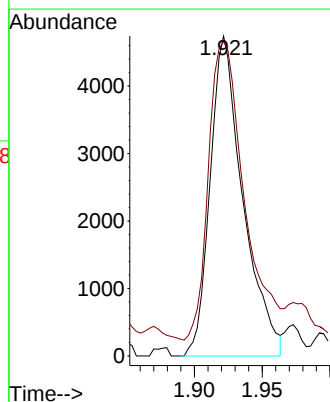
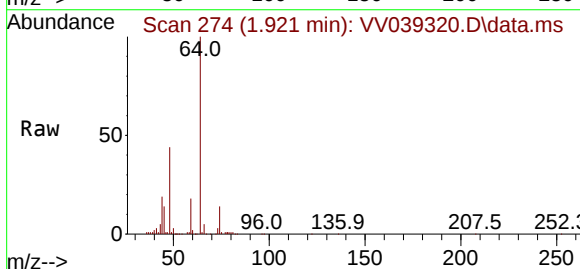
Manual Integrations
APPROVED

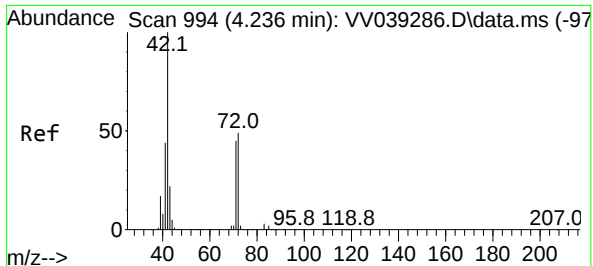
Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#8
Diethyl Ether
Concen: 1.080 ug/l
RT: 1.921 min Scan# 274
Delta R.T. 0.003 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion: 74 Resp: 7972
Ion Ratio Lower Upper
74 100
45 101.8 45.9 137.7





#29

Tetrahydrofuran

Concen: 1.952 ug/l m

RT: 4.272 min Scan# 1005

Delta R.T. 0.036 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

Instrument :

MSVOA_V

ClientSampleId :

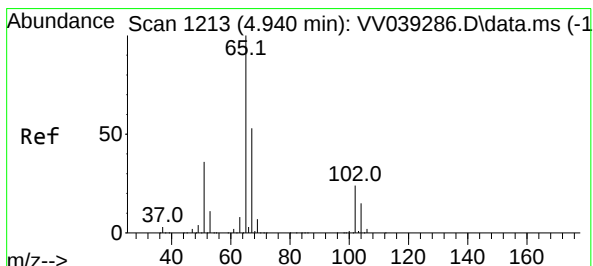
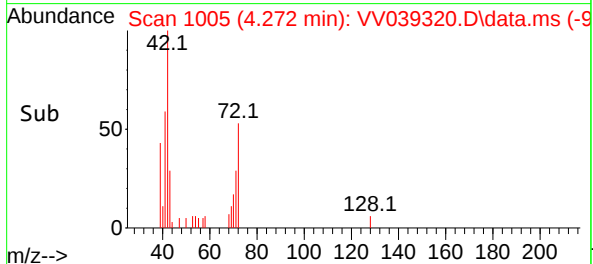
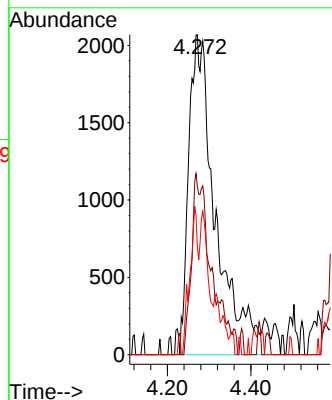
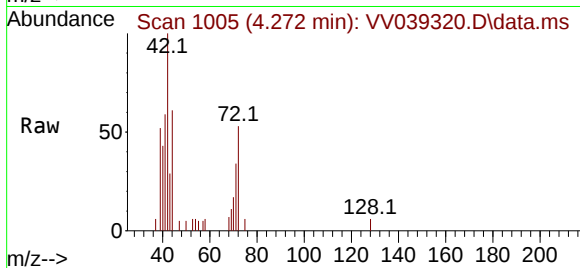
MW-EB-3

Tgt Ion:	42	Resp:	9654
Ion	Ratio	Lower	Upper
42	100		
72	17.0	39.8	59.8
71	13.6	36.5	54.7

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#33

1,2-Dichloroethane-d4

Concen: 54.372 ug/l

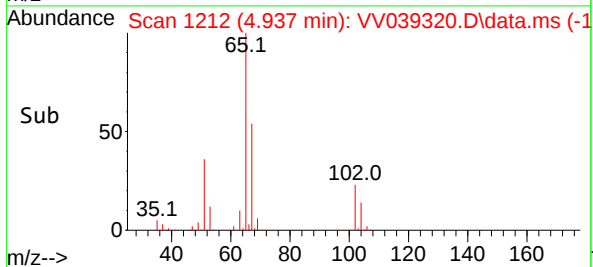
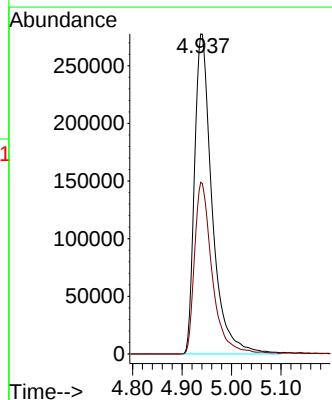
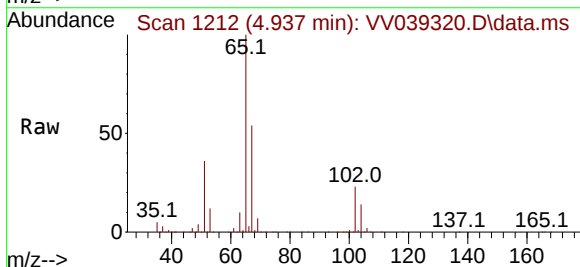
RT: 4.937 min Scan# 1212

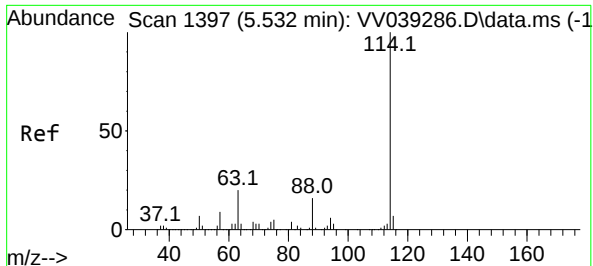
Delta R.T. -0.003 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

Tgt Ion:	65	Resp:	687885
Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 11

Delta R.T. 0.000 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-3

Tgt Ion:114 Resp: 164133

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

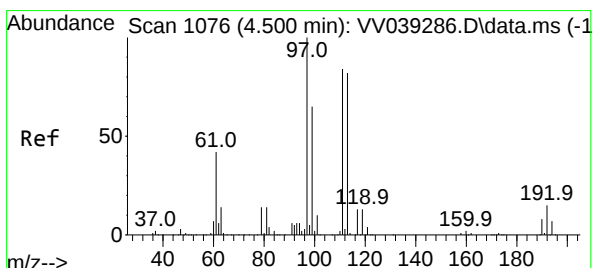
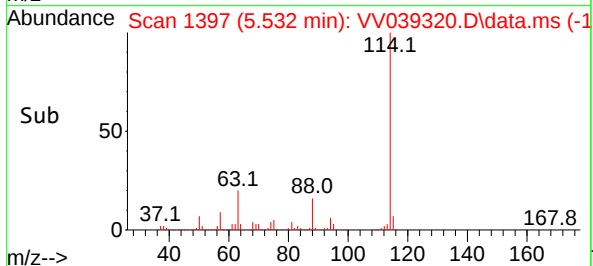
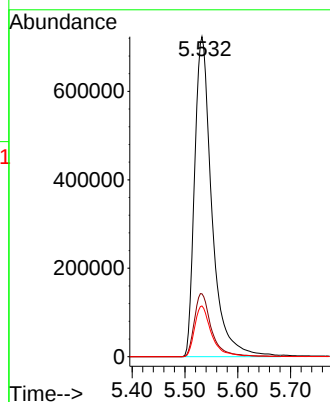
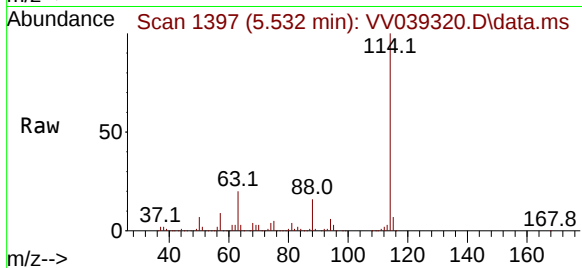
88 15.9 0.0 31.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#35

Dibromofluoromethane

Concen: 47.906 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

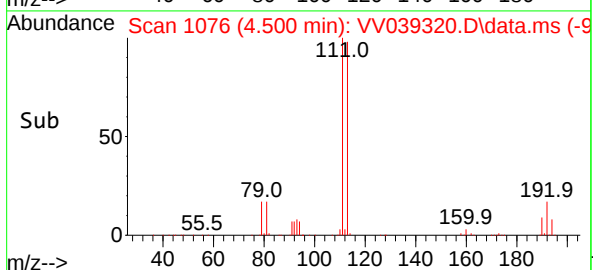
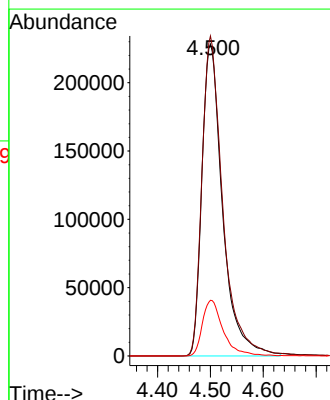
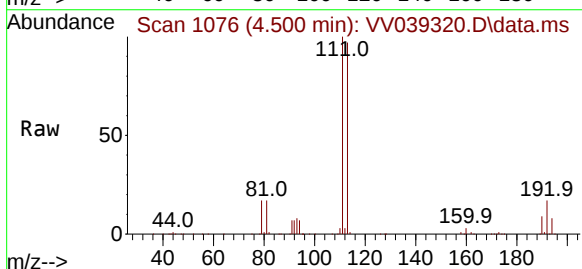
Tgt Ion:113 Resp: 619545

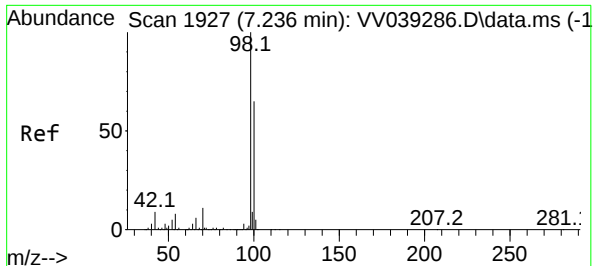
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 17.9 14.3 21.5





#50

Toluene-d8

Concen: 45.572 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-3

Tgt Ion: 98 Resp: 200498

Ion Ratio Lower Upper

98 100

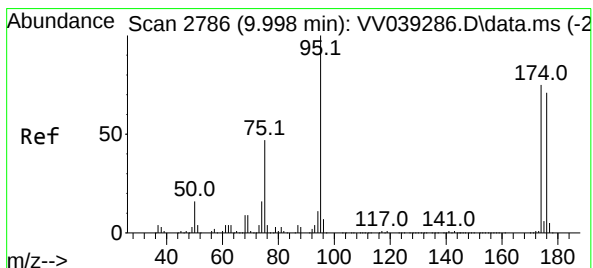
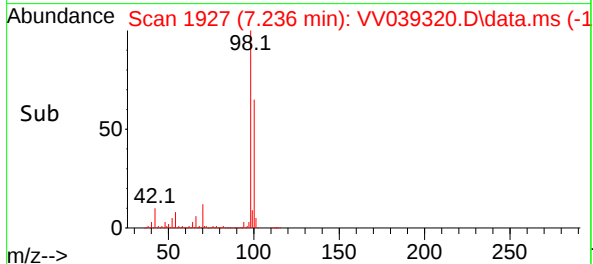
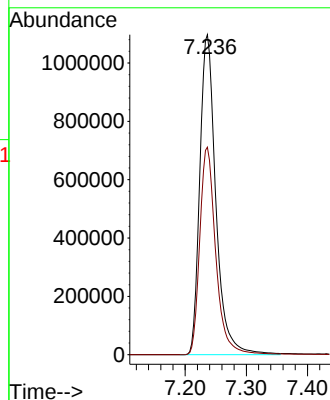
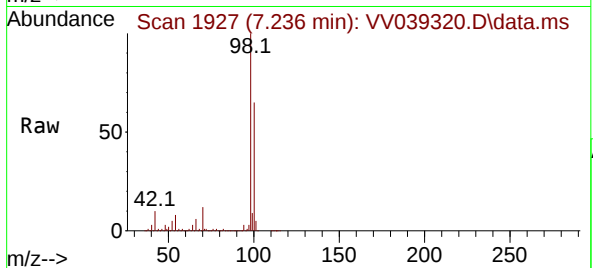
100 64.6 52.8 79.2

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#62

4-Bromofluorobenzene

Concen: 43.377 ug/l

RT: 9.998 min Scan# 2786

Delta R.T. 0.000 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

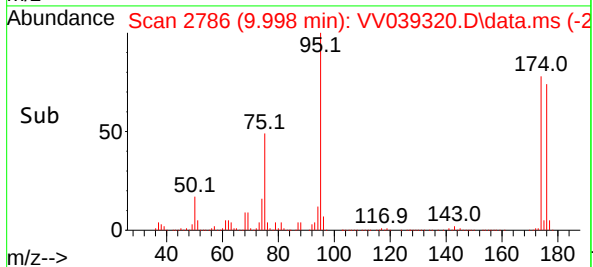
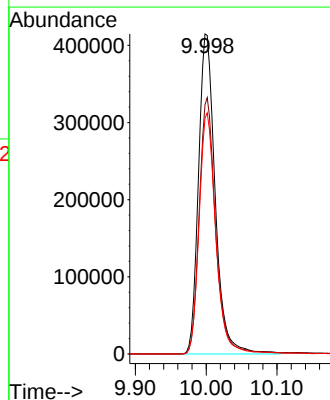
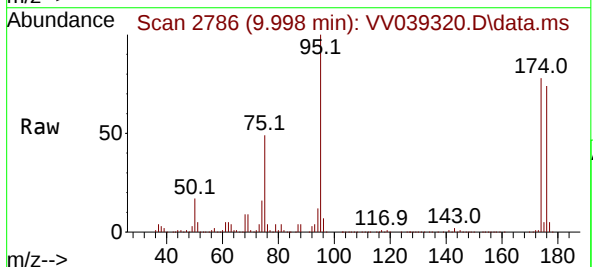
Tgt Ion: 95 Resp: 679654

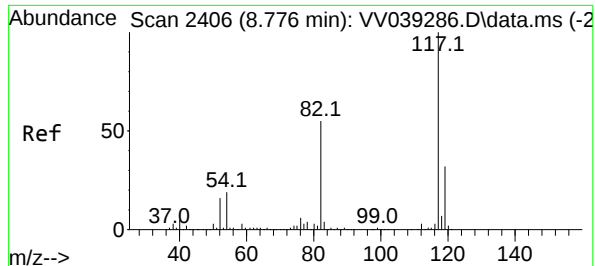
Ion Ratio Lower Upper

95 100

174 78.6 0.0 153.6

176 75.0 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039320.D

Acq: 04 Nov 2025 17:24

Instrument :

MSVOA_V

ClientSampleId :

MW-EB-3

Tgt Ion:117 Resp: 151475

Ion Ratio Lower Upper

117 100

82 55.5 43.8 65.8

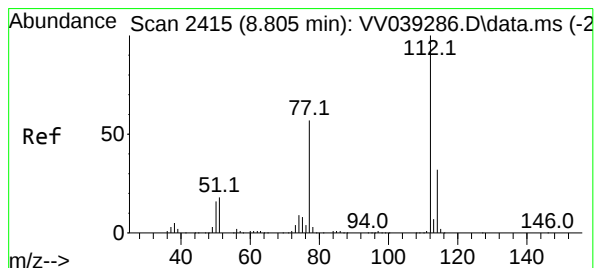
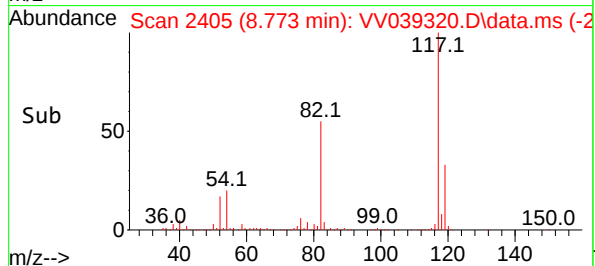
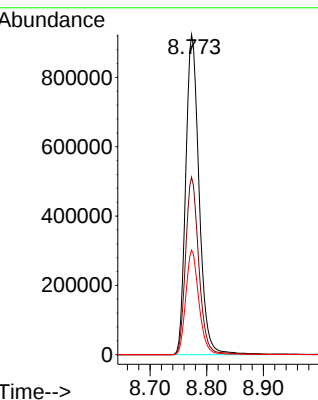
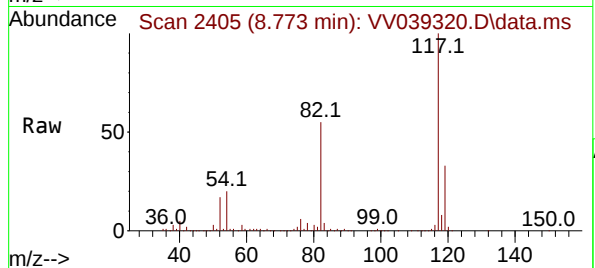
119 32.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Amit Patel 11/05/2025

Supervised By :Mahesh Dadoda 11/05/2025



#65

Chlorobenzene

Concen: 5.855 ug/l

RT: 8.805 min Scan# 2415

Delta R.T. 0.000 min

Lab File: VV039320.D

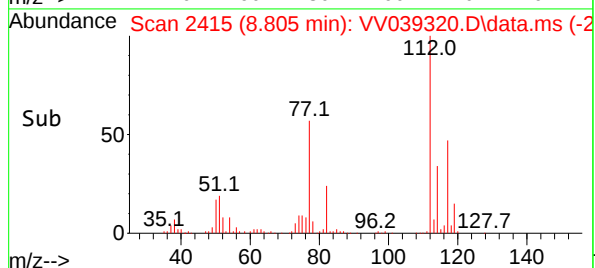
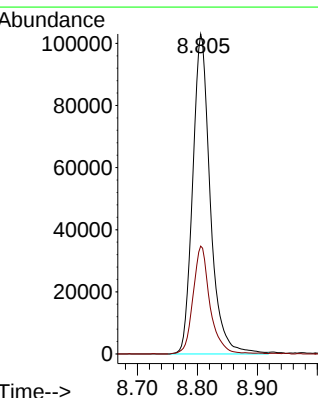
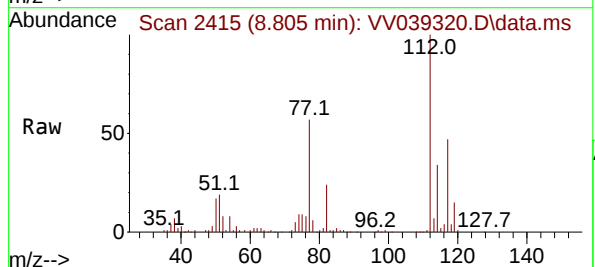
Acq: 04 Nov 2025 17:24

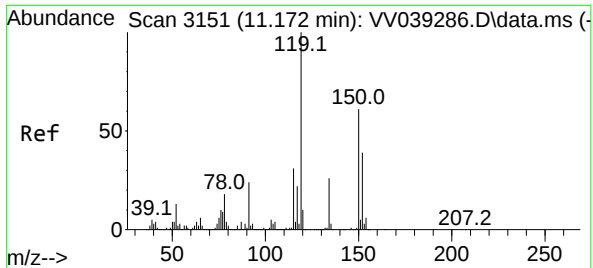
Tgt Ion:112 Resp: 209972

Ion Ratio Lower Upper

112 100

114 33.7 25.7 38.5





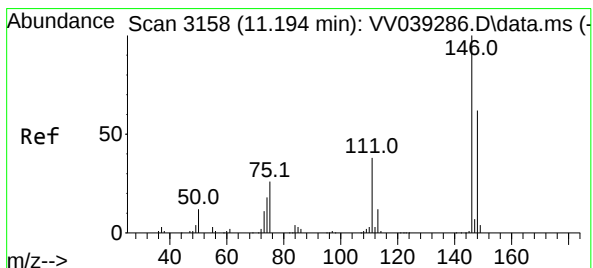
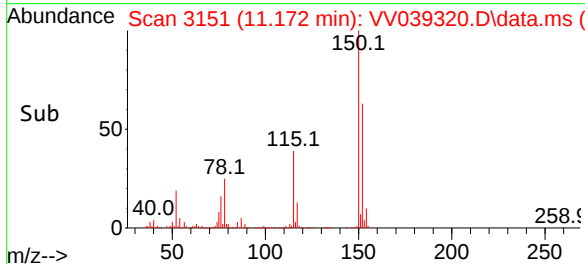
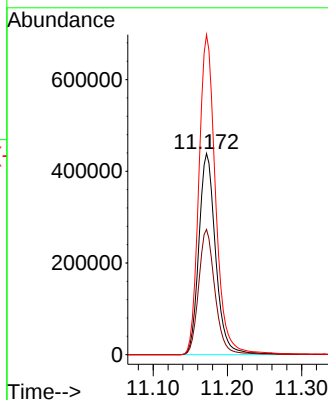
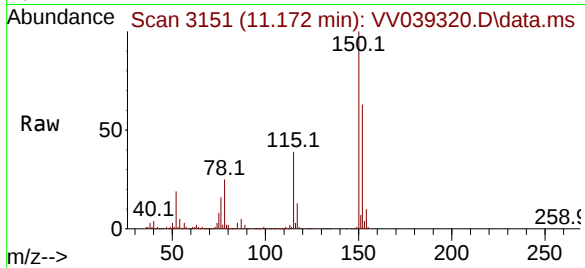
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Tgt Ion:152 Resp: 68797
Ion Ratio Lower Upper
152 100
115 61.2 42.3 126.8
150 159.2 0.0 348.0

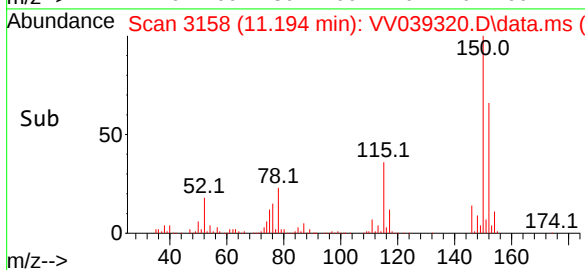
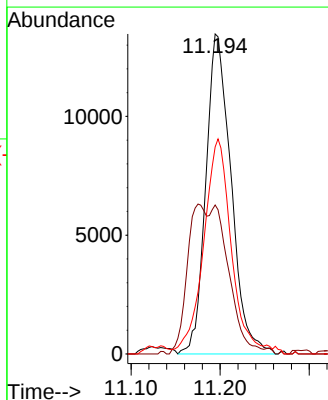
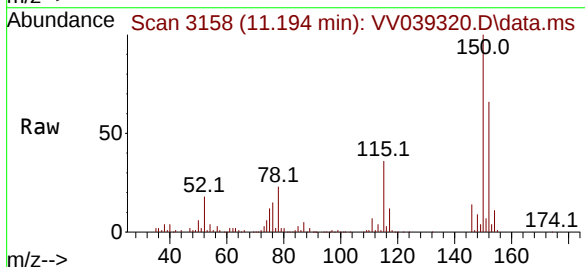
Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



#88
1,4-Dichlorobenzene
Concen: 1.035 ug/l
RT: 11.194 min Scan# 3158
Delta R.T. 0.000 min
Lab File: VV039320.D
Acq: 04 Nov 2025 17:24

Tgt Ion:146 Resp: 26527
Ion Ratio Lower Upper
146 100
111 0.0 19.7 59.0#
148 74.3 31.5 94.5



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039320.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	40	51	174	rBV	4546432	17106171	100.00%	37.689%
2	4.500	1059	1076	1094	rBV	741113	1931035	11.29%	4.255%
3	4.597	1095	1106	1151	rVB	1005659	2771517	16.20%	6.106%
4	4.937	1200	1212	1256	rBV	786917	1931923	11.29%	4.256%
5	5.532	1384	1397	1444	rBV	1659766	3805681	22.25%	8.385%
6	7.236	1914	1927	1969	rBV	2816143	5218406	30.51%	11.497%
7	8.773	2393	2405	2448	rBV	2732337	5115021	29.90%	11.270%
8	10.002	2776	2787	2818	rBV	1980656	3278748	19.17%	7.224%
9	11.172	3138	3151	3190	rBV	2619741	4229243	24.72%	9.318%

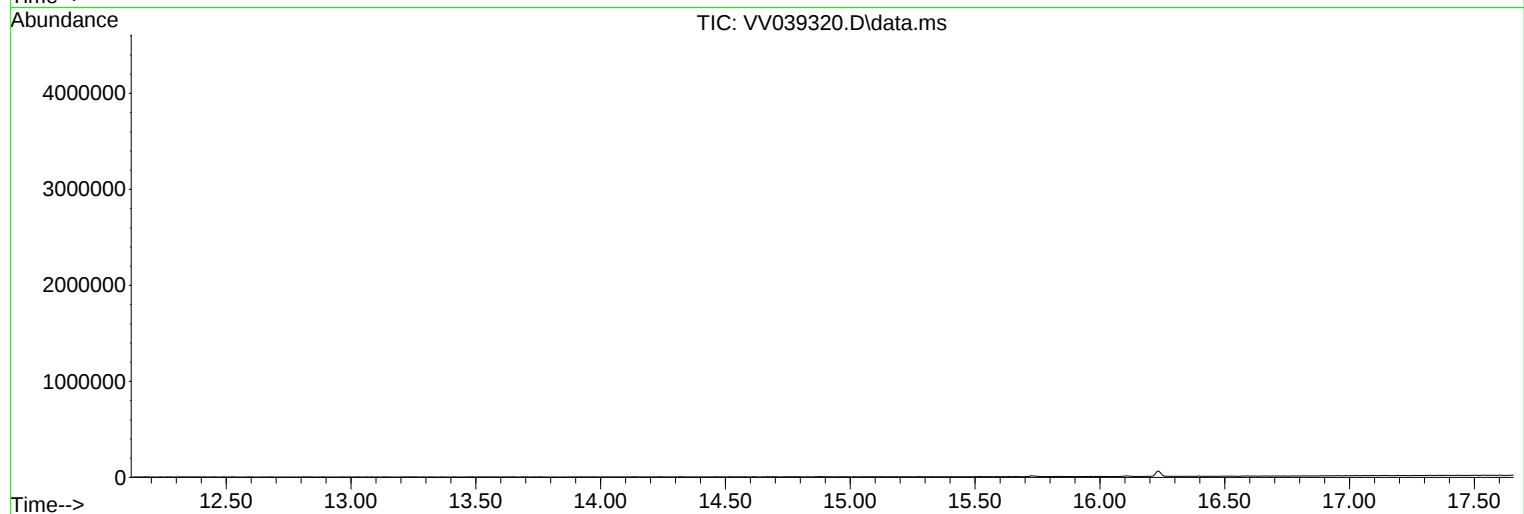
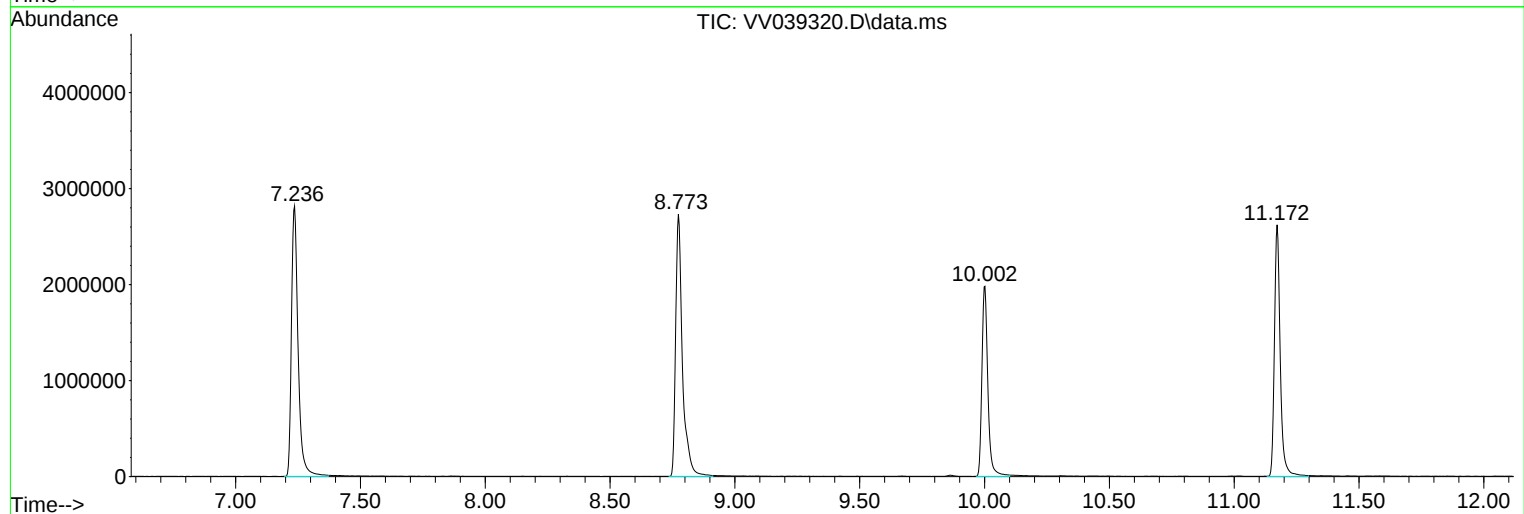
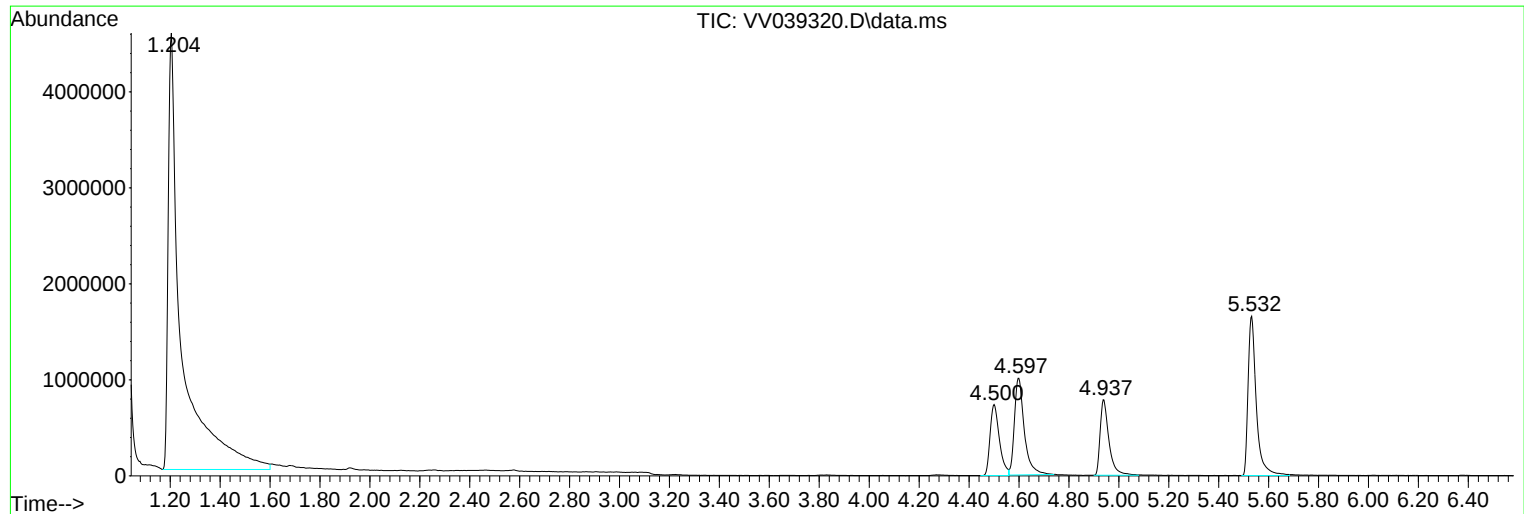
Sum of corrected areas: 45387745

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039320.D
Acq On : 04 Nov 2025 17:24
Operator : SY/MD
Sample : Q3534-07
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-EB-3

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039316.D
 Acq On : 04 Nov 2025 15:54
 Operator : SY/MD
 Sample : Q3534-09
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 FB-1

Quant Time: Nov 05 00:38:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

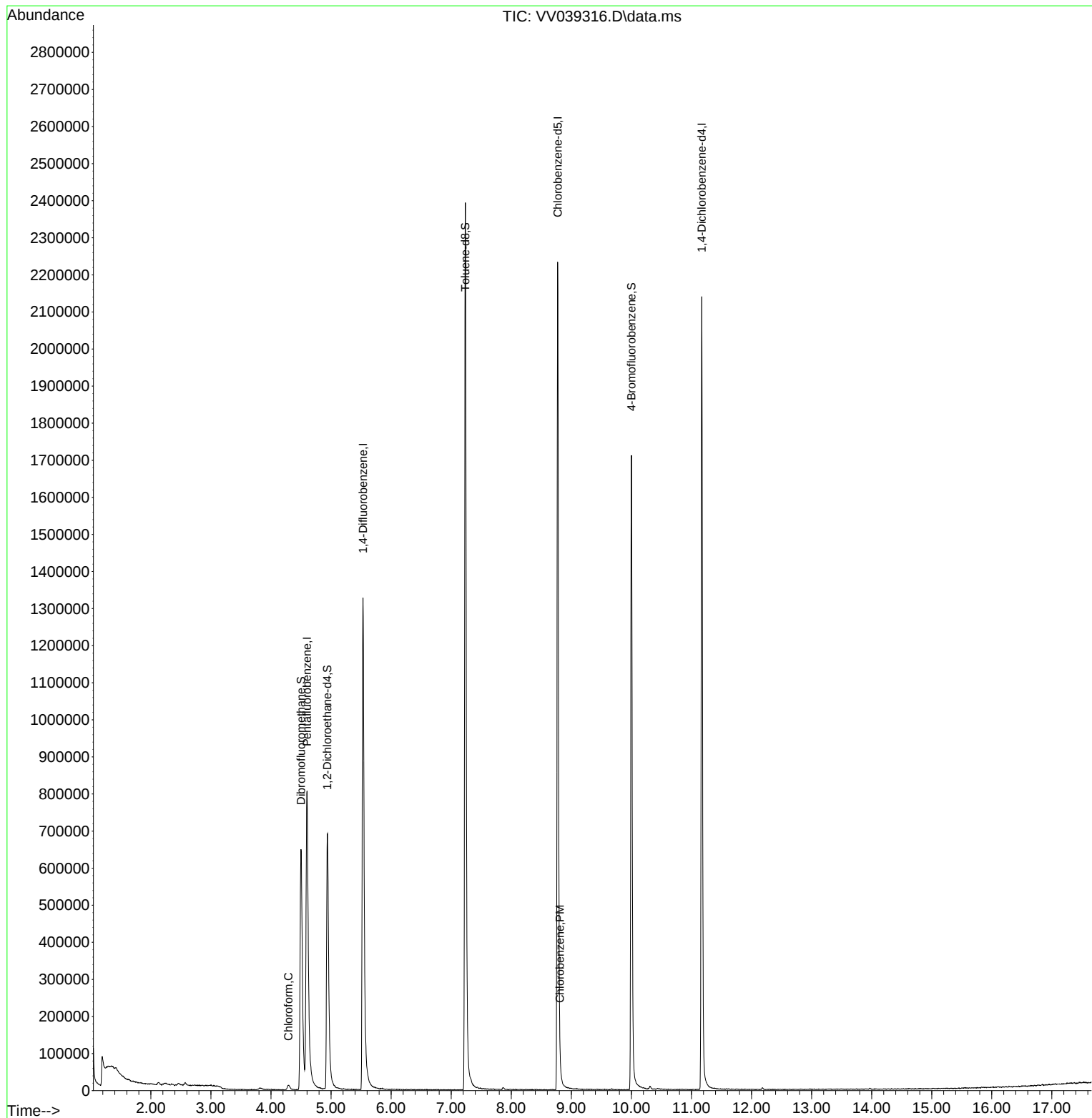
Internal Standards						
1) Pentafluorobenzene	4.600	168	711203	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1312588	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1267623	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	578801	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	620023	61.353	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	122.700%#
35) Dibromofluoromethane	4.500	113	549147	53.097	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	106.200%
50) Toluene-d8	7.236	98	1720807	48.909	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.820%
62) 4-Bromofluorobenzene	10.001	95	596656	47.617	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	95.240%
Target Compounds						
						Qvalue
30) Chloroform	4.291	83	14184	0.761	ug/l	96
65) Chlorobenzene	8.812	112	17643	0.588	ug/l	95

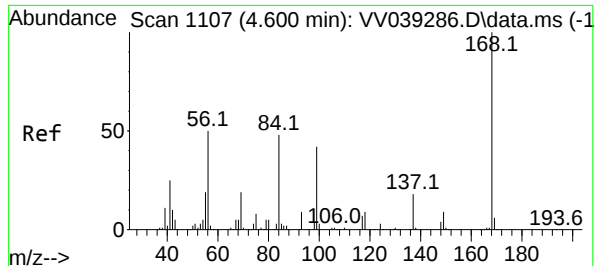
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Time: Nov 05 00:38:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

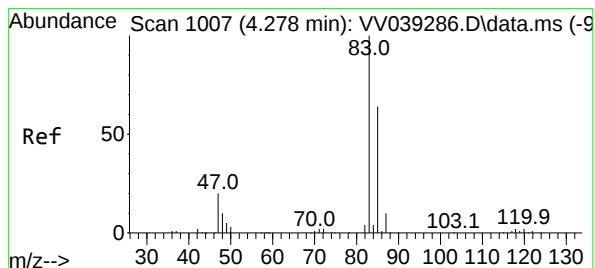
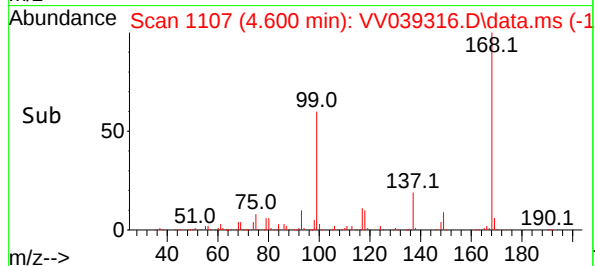
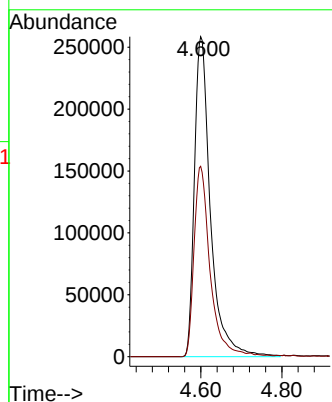
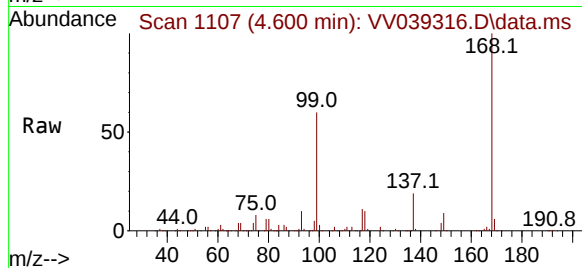




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

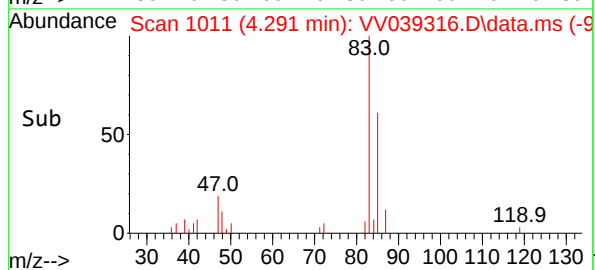
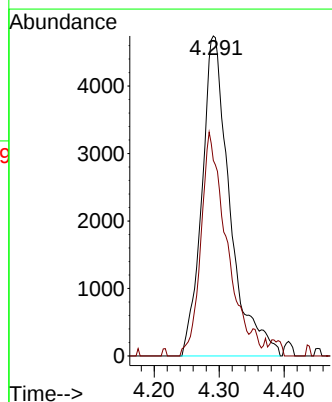
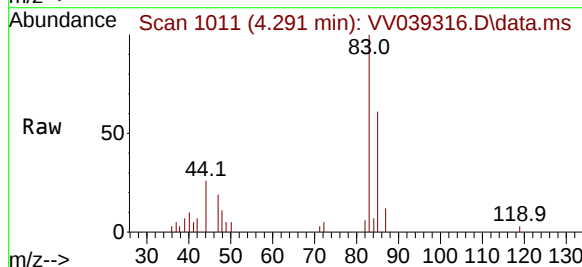
Instrument :
MSVOA_V
ClientSampleId :
FB-1

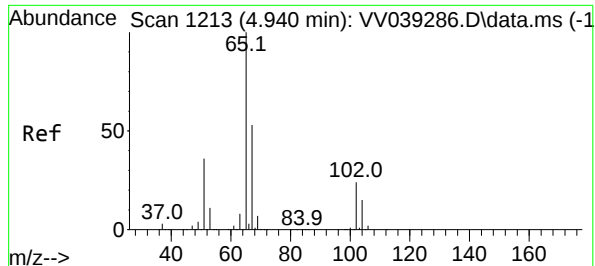
Tgt Ion:168 Resp: 711203
Ion Ratio Lower Upper
168 100
99 59.5 46.6 70.0



#30
Chloroform
Concen: 0.761 ug/l
RT: 4.291 min Scan# 1011
Delta R.T. 0.013 min
Lab File: VV039316.D
Acq: 04 Nov 2025 15:54

Tgt Ion: 83 Resp: 14184
Ion Ratio Lower Upper
83 100
85 61.1 51.1 76.7





#33

1,2-Dichloroethane-d4

Concen: 61.353 ug/l

RT: 4.937 min Scan# 1

Delta R.T. -0.003 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

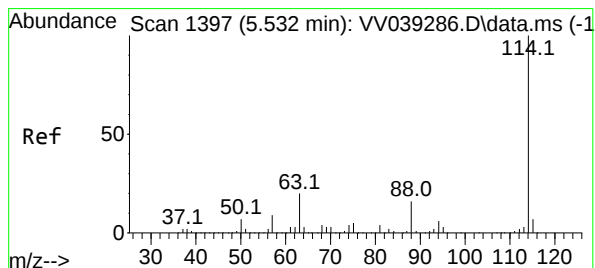
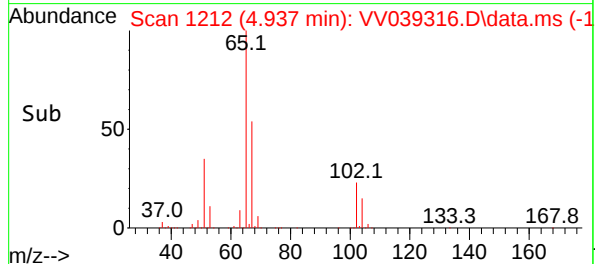
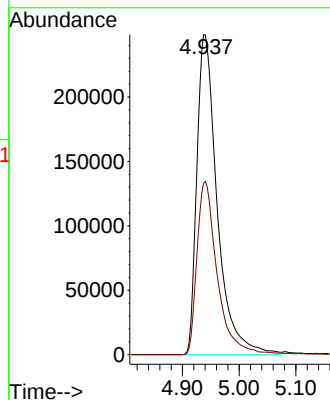
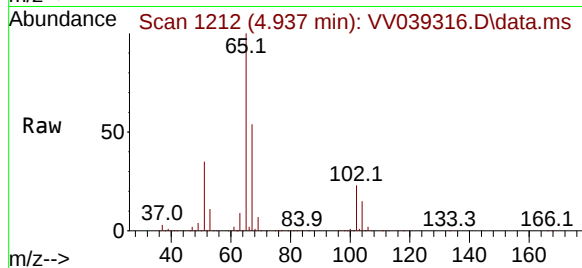
FB-1

Tgt Ion: 65 Resp: 620023

Ion Ratio Lower Upper

65 100

67 54.0 0.0 108.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. 0.000 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

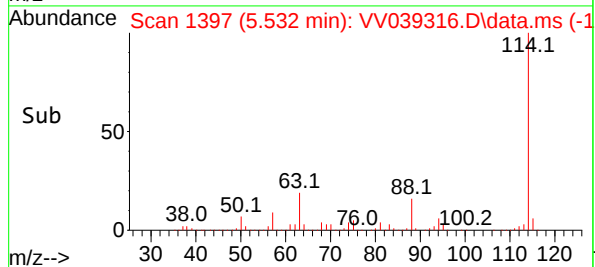
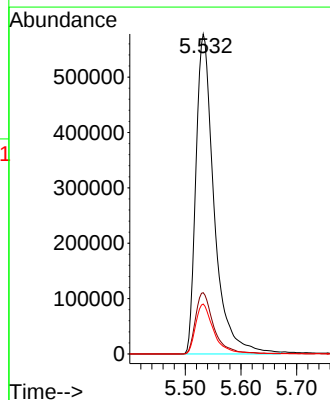
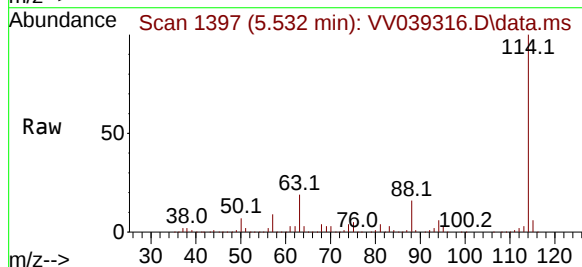
Tgt Ion: 114 Resp: 1312588

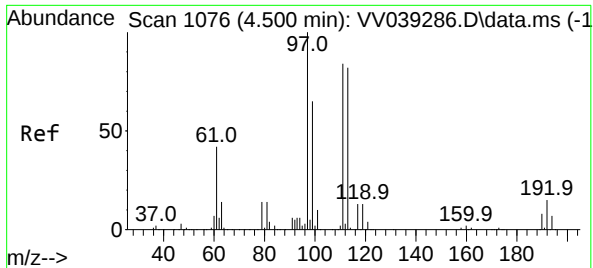
Ion Ratio Lower Upper

114 100

63 19.1 0.0 39.6

88 15.6 0.0 31.6





#35

Dibromofluoromethane

Concen: 53.097 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

FB-1

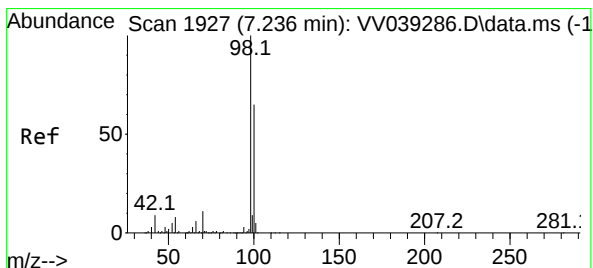
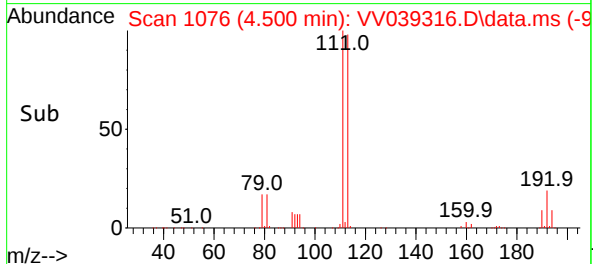
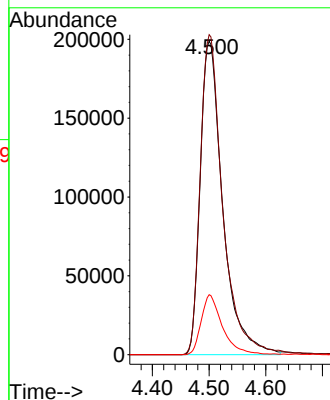
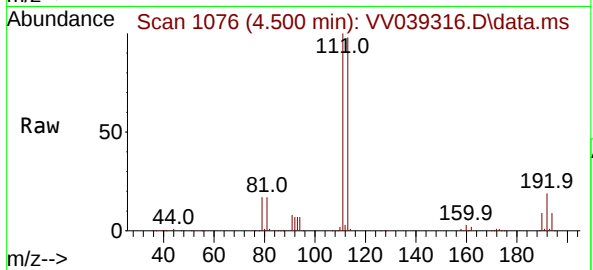
Tgt Ion:113 Resp: 549147

Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 18.1 14.3 21.5



#50

Toluene-d8

Concen: 48.909 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039316.D

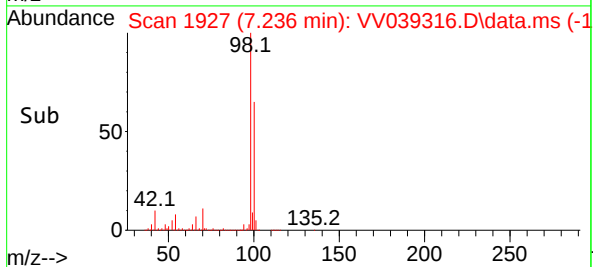
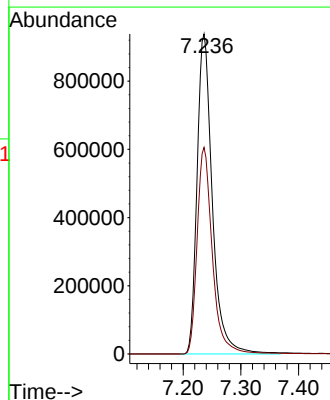
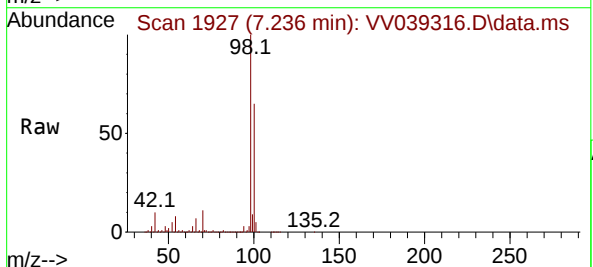
Acq: 04 Nov 2025 15:54

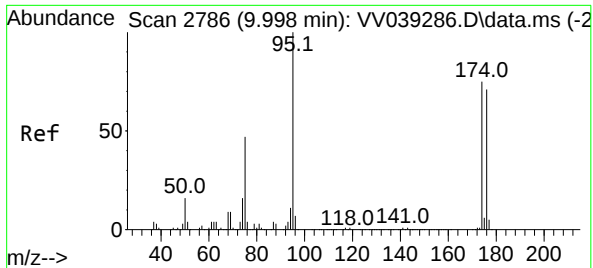
Tgt Ion: 98 Resp: 1720807

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2





#62

4-Bromofluorobenzene

Concen: 47.617 ug/l

RT: 10.001 min Scan# 21

Delta R.T. 0.003 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

FB-1

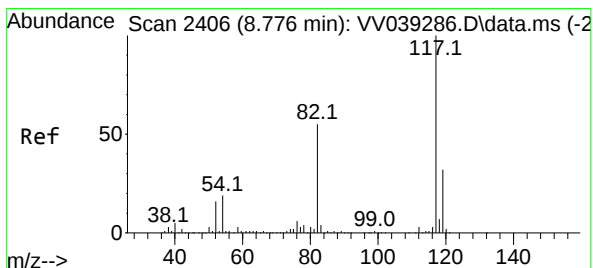
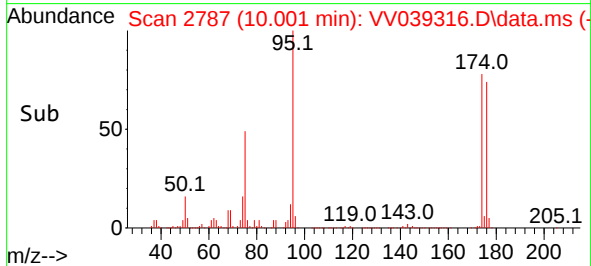
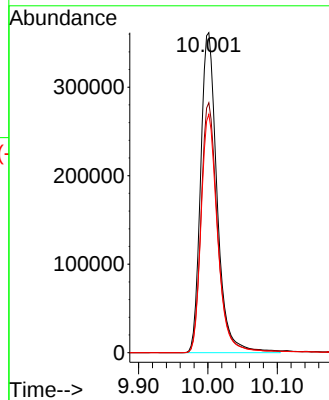
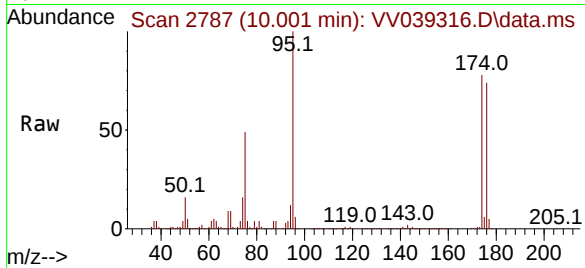
Tgt Ion: 95 Resp: 596656

Ion Ratio Lower Upper

95 100

174 79.1 0.0 153.6

176 75.0 0.0 146.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2405

Delta R.T. -0.003 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

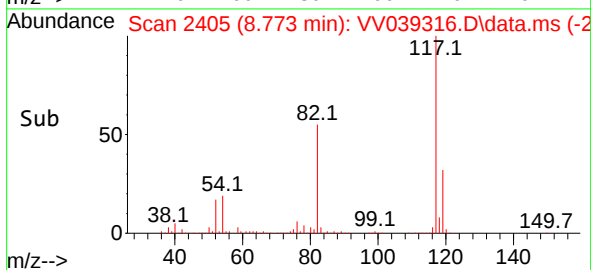
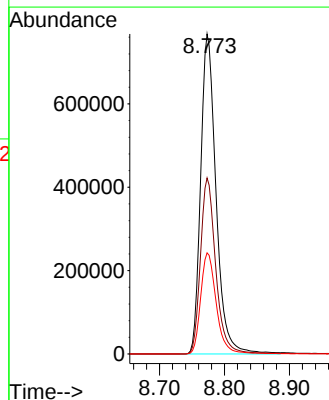
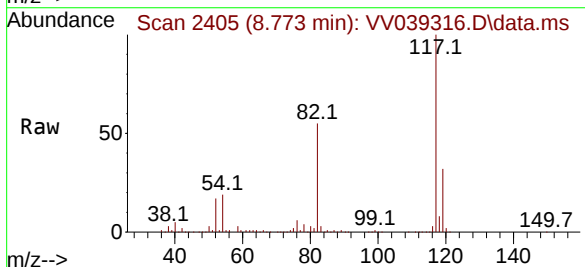
Tgt Ion: 117 Resp: 1267623

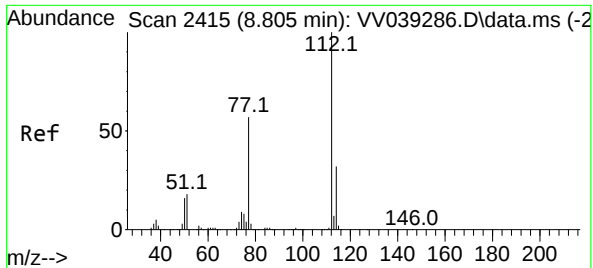
Ion Ratio Lower Upper

117 100

82 55.0 43.8 65.8

119 31.6 25.8 38.6





#65

Chlorobenzene

Concen: 0.588 ug/l

RT: 8.812 min Scan# 2415

Delta R.T. 0.006 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

Instrument :

MSVOA_V

ClientSampleId :

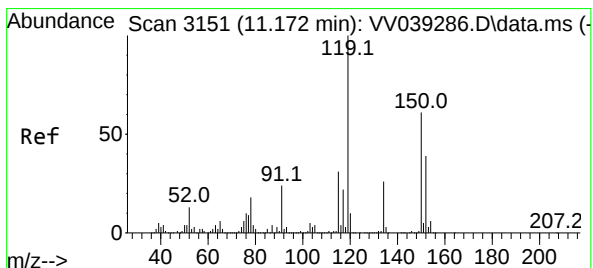
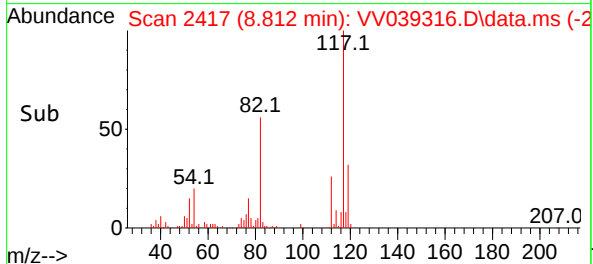
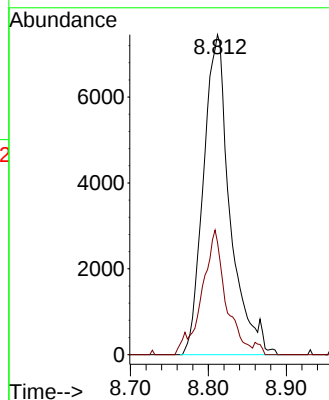
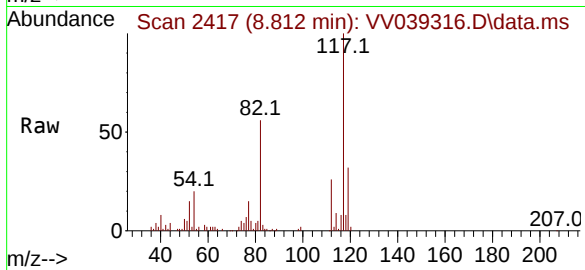
FB-1

Tgt Ion:112 Resp: 17643

Ion Ratio Lower Upper

112 100

114 35.2 25.7 38.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039316.D

Acq: 04 Nov 2025 15:54

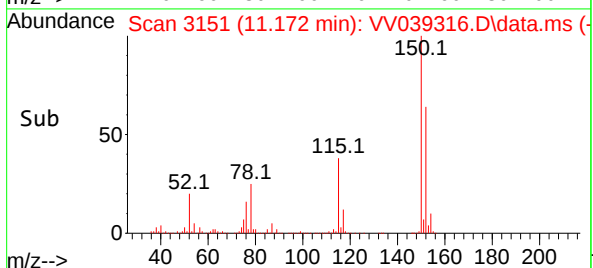
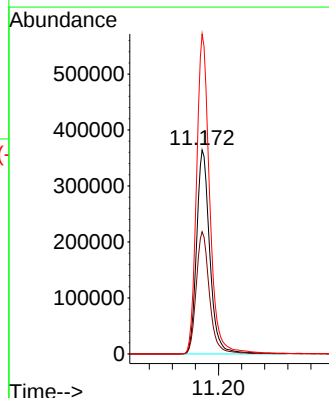
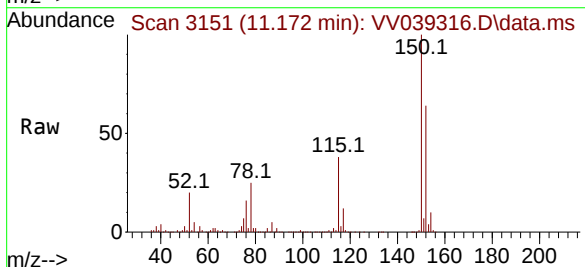
Tgt Ion:152 Resp: 578801

Ion Ratio Lower Upper

152 100

115 60.0 42.3 126.8

150 156.0 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039316.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.188	39	46	62	rBV	77764	230667	5.16%	0.982%
2	4.500	1061	1076	1095	rBV	648128	1708681	38.24%	7.274%
3	4.600	1095	1107	1152	rVB2	798101	2207904	49.41%	9.399%
4	4.940	1200	1213	1253	rBV	687792	1722374	38.55%	7.332%
5	5.532	1385	1397	1439	rBV	1326099	3051119	68.28%	12.988%
6	7.236	1915	1927	1964	rBV	2392315	4468391	100.00%	19.021%
7	8.773	2394	2405	2440	rBV	2232490	3783271	84.67%	16.105%
8	10.001	2776	2787	2828	rBV	1710676	2898741	64.87%	12.339%
9	11.172	3139	3151	3189	rBV	2137908	3420476	76.55%	14.560%

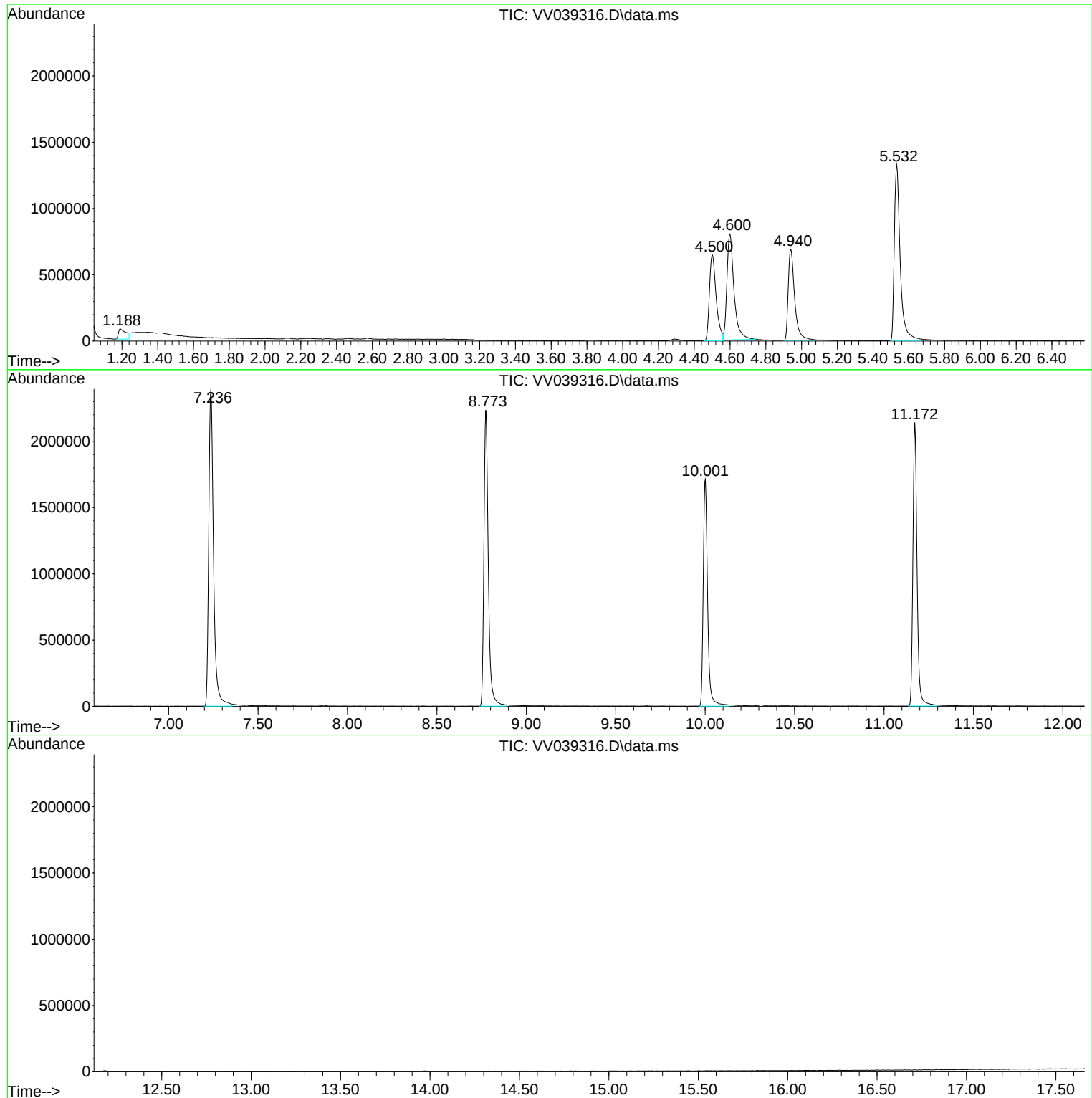
Sum of corrected areas: 23491624

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039316.D
Acq On : 04 Nov 2025 15:54
Operator : SY/MD
Sample : Q3534-09
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
FB-1

A

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039317.D
 Acq On : 04 Nov 2025 16:17
 Operator : SY/MD
 Sample : Q3534-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EB-1

Quant Time: Nov 05 00:38:43 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	597120	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1091584	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1047699	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	472586	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	495700	58.422	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.840%
35) Dibromofluoromethane	4.500	113	436380	50.737	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	101.480%
50) Toluene-d8	7.236	98	1360687	46.504	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	93.000%
62) 4-Bromofluorobenzene	10.001	95	462779	44.410	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	88.820%

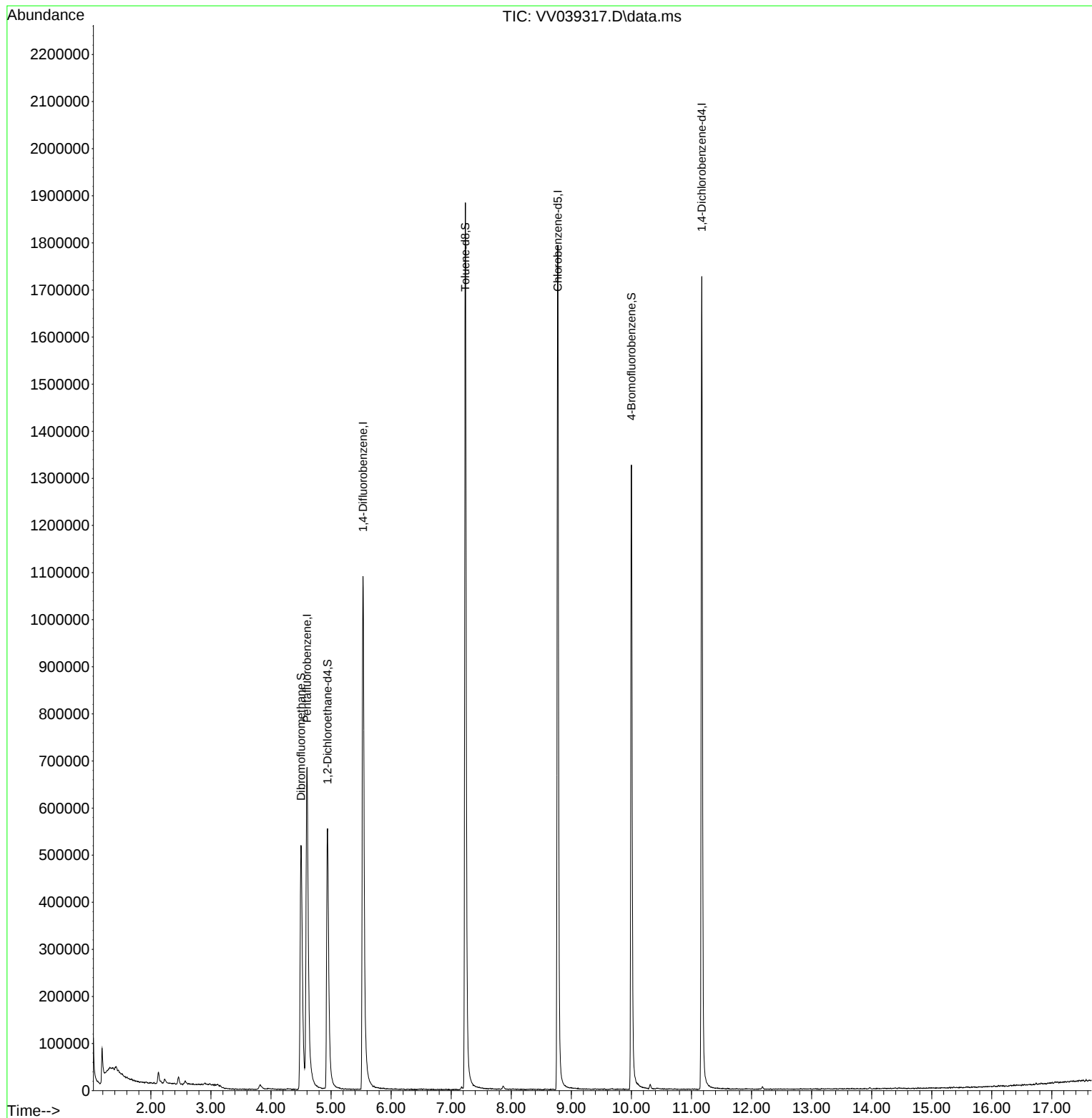
Target Compounds	Qvalue

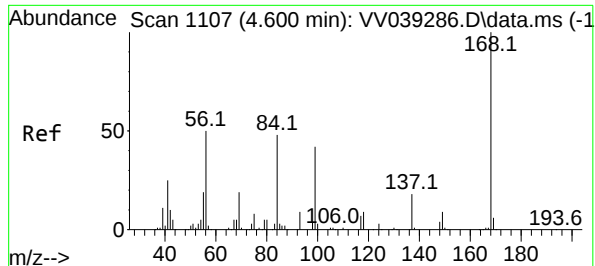
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Time: Nov 05 00:38:43 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

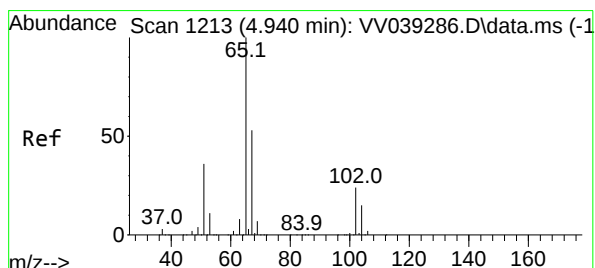
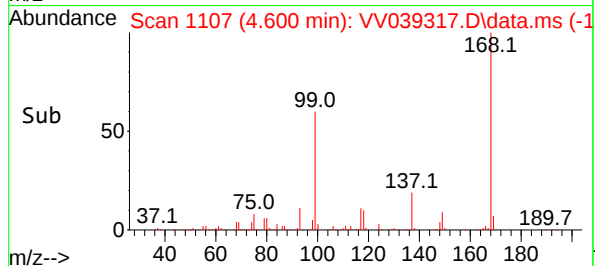
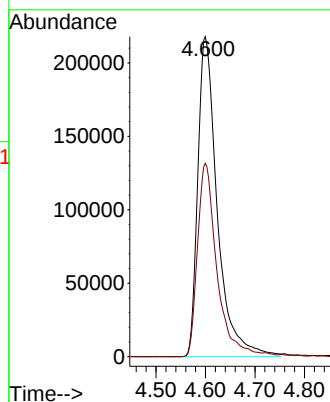
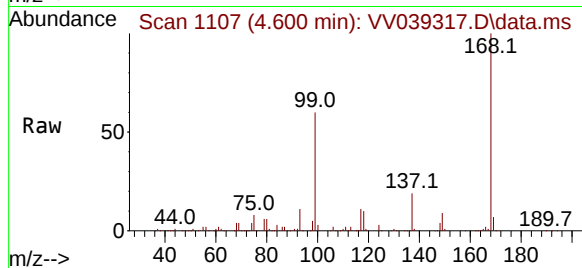




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

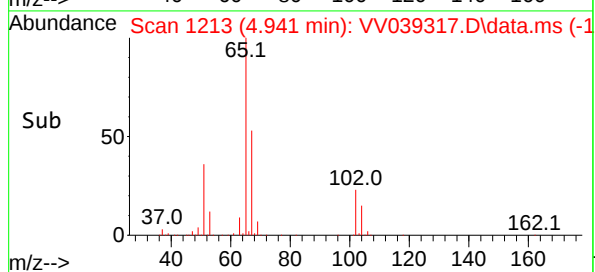
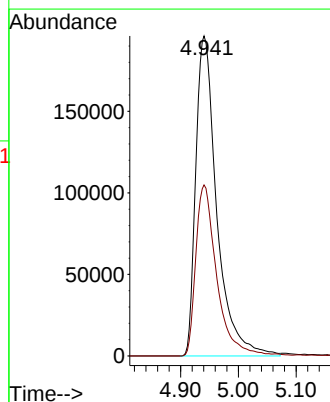
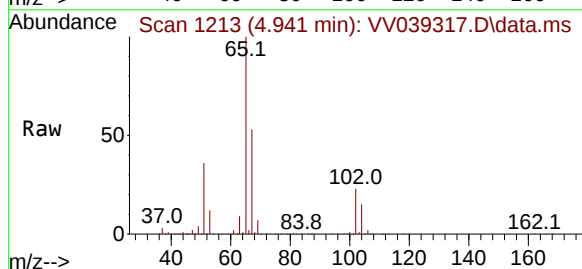
Instrument :
MSVOA_V
ClientSampleId :
EB-1

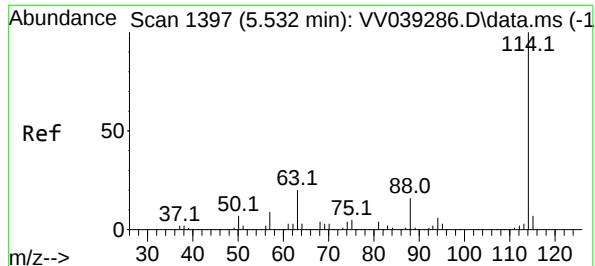
Tgt Ion:168 Resp: 597120
Ion Ratio Lower Upper
168 100
99 60.4 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 58.422 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039317.D
Acq: 04 Nov 2025 16:17

Tgt Ion: 65 Resp: 495700
Ion Ratio Lower Upper
65 100
67 53.1 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Instrument :

MSVOA_V

ClientSampleId :

EB-1

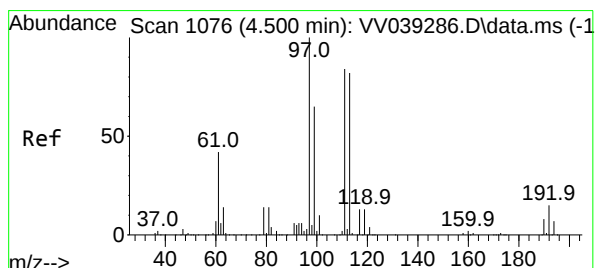
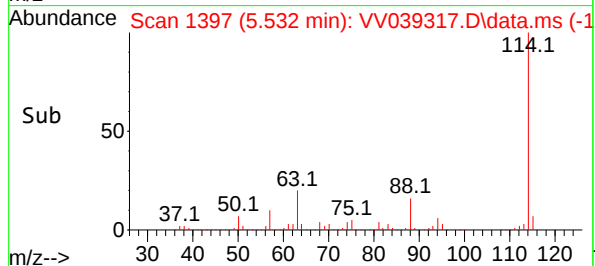
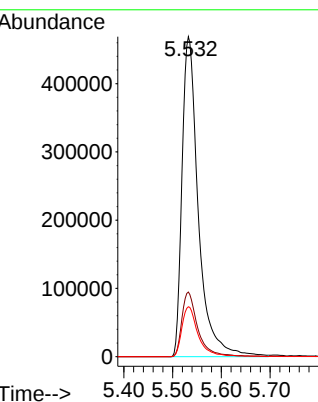
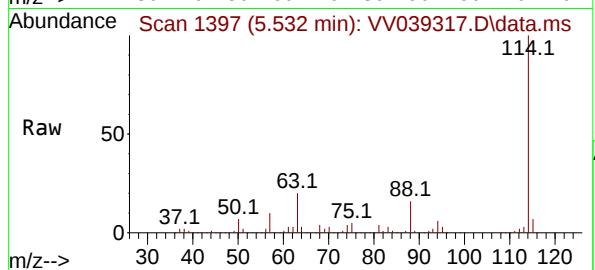
Tgt Ion:114 Resp: 1091584

Ion Ratio Lower Upper

114 100

63 20.2 0.0 39.6

88 15.6 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.737 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

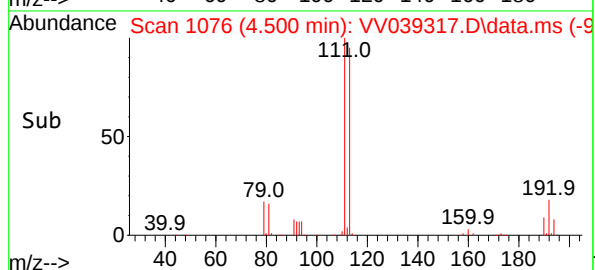
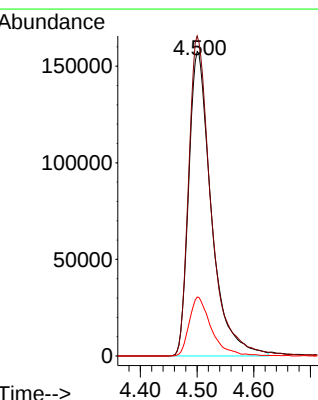
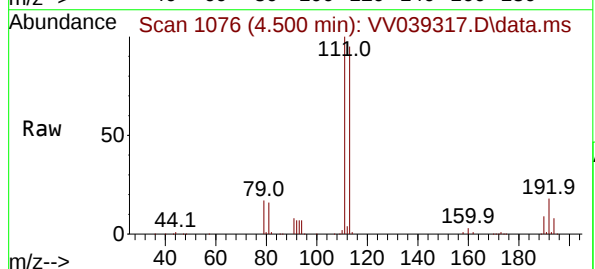
Tgt Ion:113 Resp: 436380

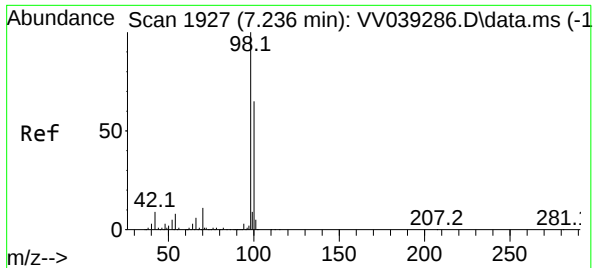
Ion Ratio Lower Upper

113 100

111 103.6 82.0 123.0

192 18.9 14.3 21.5





#50

Toluene-d8

Concen: 46.504 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Instrument :

MSVOA_V

ClientSampleId :

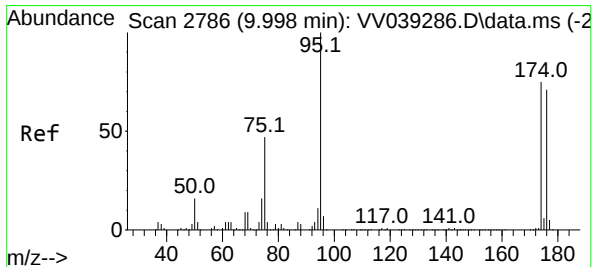
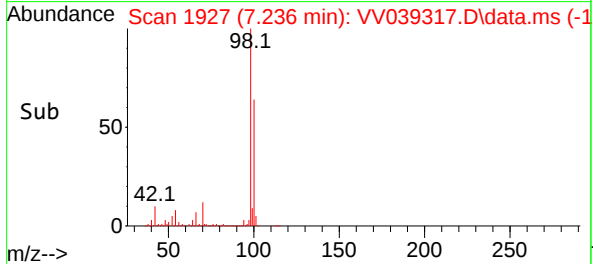
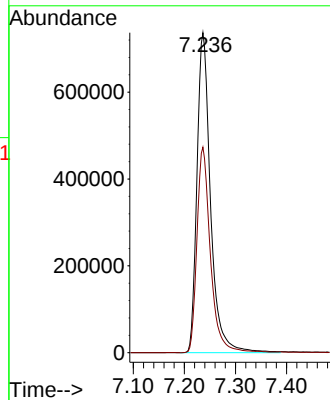
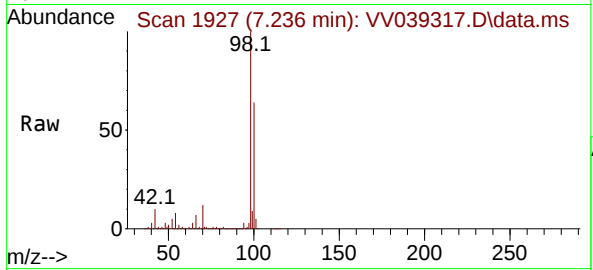
EB-1

Tgt Ion: 98 Resp: 1360687

Ion Ratio Lower Upper

98 100

100 63.9 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 44.410 ug/l

RT: 10.001 min Scan# 2787

Delta R.T. 0.003 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

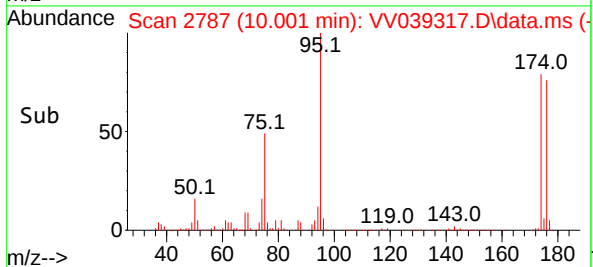
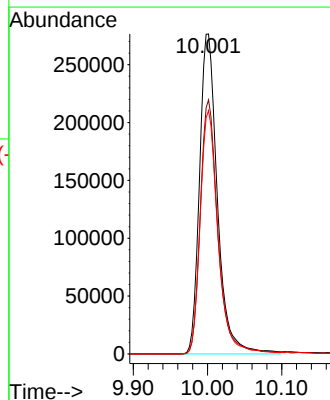
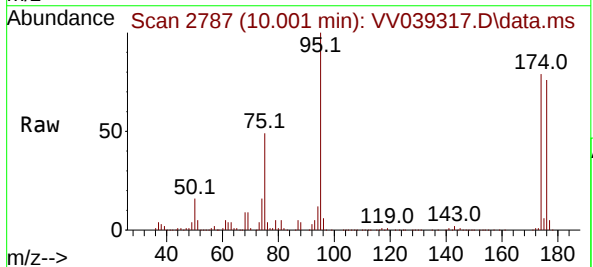
Tgt Ion: 95 Resp: 462779

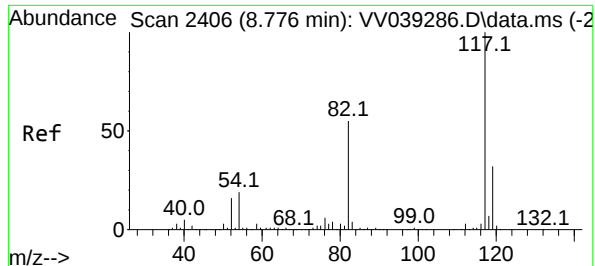
Ion Ratio Lower Upper

95 100

174 78.4 0.0 153.6

176 75.6 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

Instrument :

MSVOA_V

ClientSampleId :

EB-1

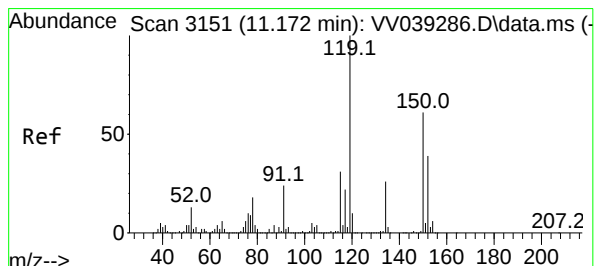
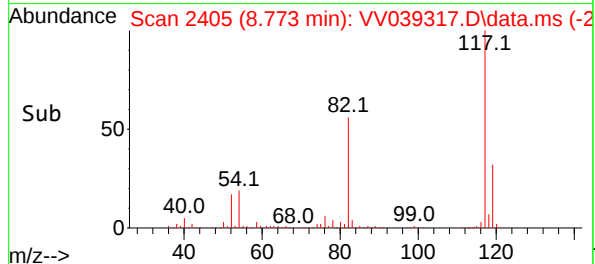
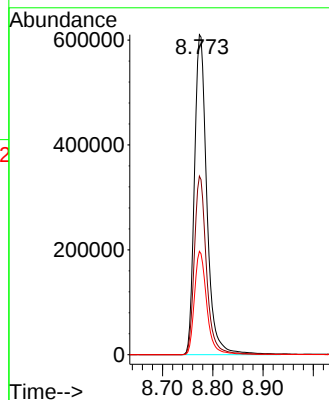
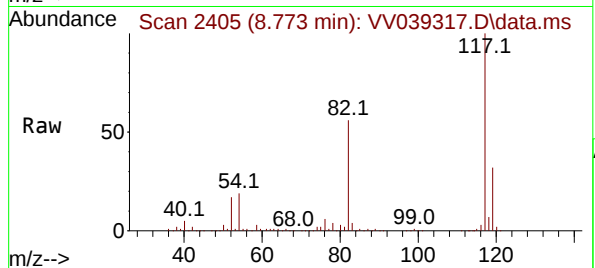
Tgt Ion:117 Resp: 1047699

Ion Ratio Lower Upper

117 100

82 55.8 43.8 65.8

119 32.3 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039317.D

Acq: 04 Nov 2025 16:17

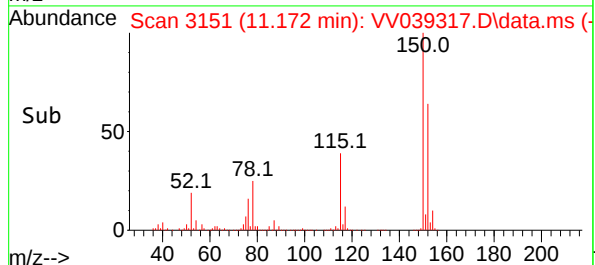
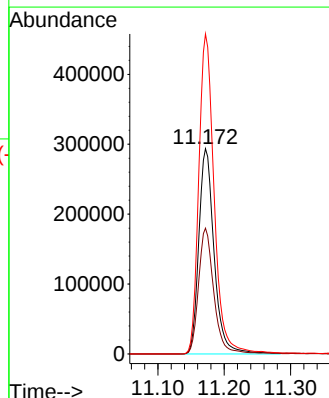
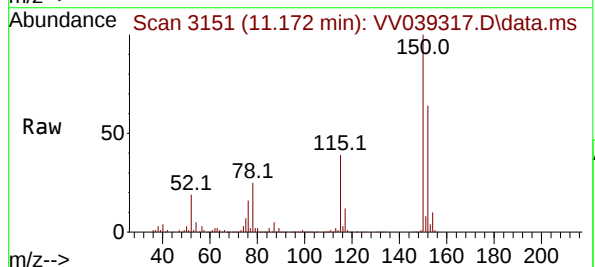
Tgt Ion:152 Resp: 472586

Ion Ratio Lower Upper

152 100

115 61.1 42.3 126.8

150 156.2 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039317.D
 Acq On : 04 Nov 2025 16:17
 Operator : SY/MD
 Sample : Q3534-10
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 EB-1

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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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039317.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.188	39	46	59	rBV	73376	136317	3.89%	0.716%
2	2.127	330	338	348	rBV	22084	37202	1.06%	0.195%
3	4.500	1059	1076	1095	rBV	518559	1375452	39.27%	7.226%
4	4.600	1095	1107	1151	rVB2	677652	1887423	53.89%	9.916%
5	4.941	1201	1213	1247	rBV	551819	1385494	39.56%	7.279%
6	5.532	1385	1397	1447	rBV	1089402	2570140	73.39%	13.503%
7	7.236	1915	1927	1967	rBV	1880617	3502142	100.00%	18.400%
8	8.773	2393	2405	2442	rBV	1791139	3085888	88.11%	16.213%
9	10.001	2776	2787	2819	rBV	1326092	2247371	64.17%	11.807%
10	11.172	3137	3151	3187	rBV	1726112	2806295	80.13%	14.744%

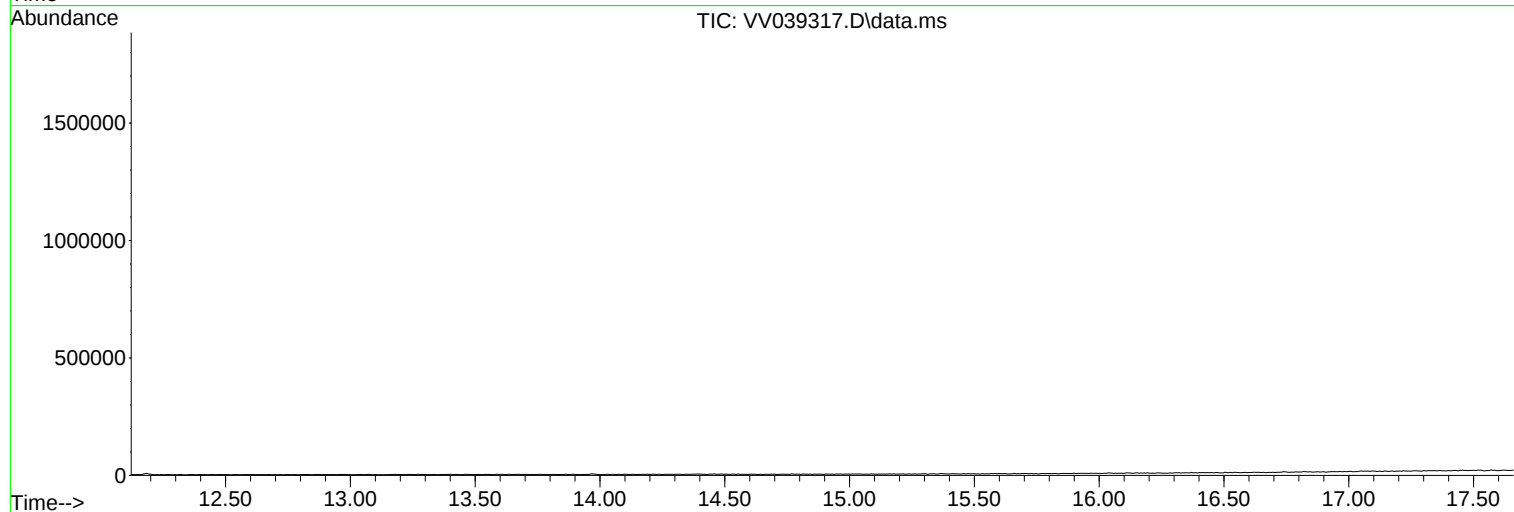
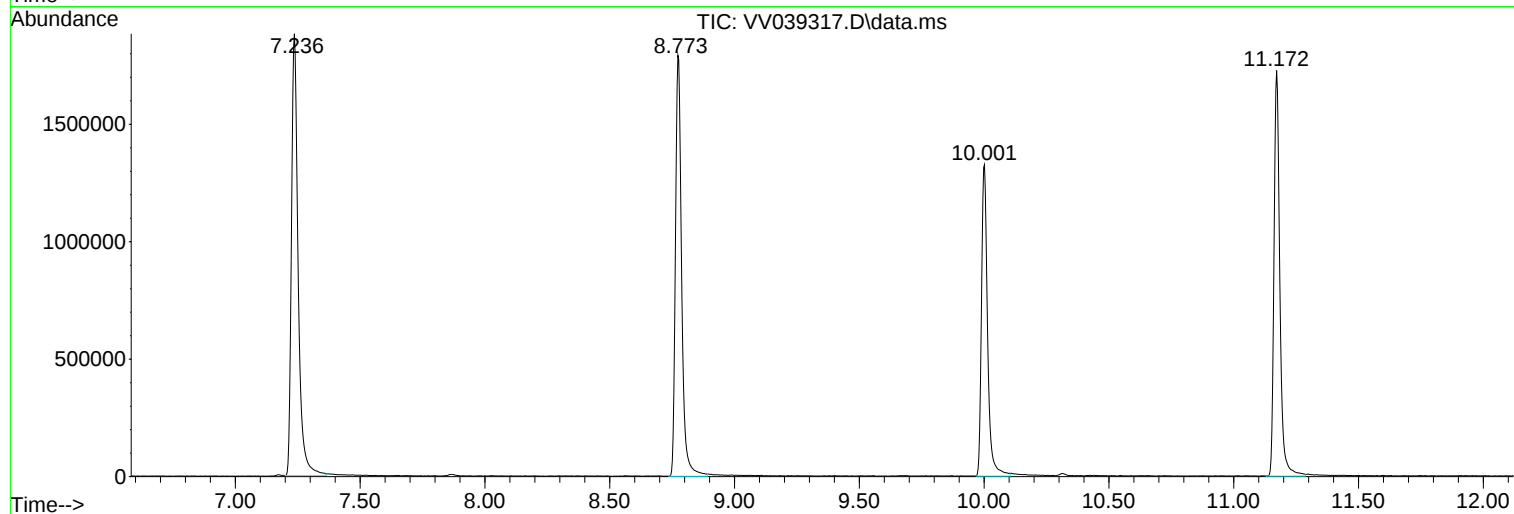
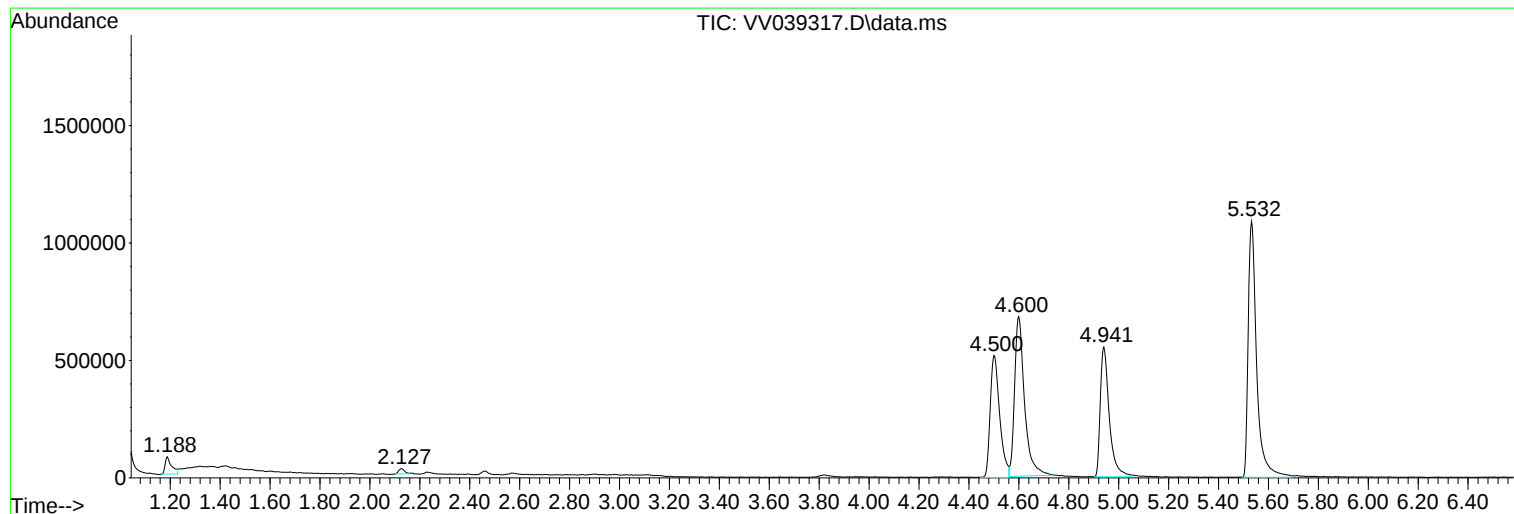
Sum of corrected areas: 19033724

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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

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H

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039317.D
Acq On : 04 Nov 2025 16:17
Operator : SY/MD
Sample : Q3534-10
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
EB-1

A

B

C

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E

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

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Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	1064589	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1972523	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1793346	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	828938	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	878179	58.053	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	116.100%
35) Dibromofluoromethane	4.497	113	782028	50.317	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.640%
50) Toluene-d8	7.233	98	2570057	48.608	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	97.220%
62) 4-Bromofluorobenzene	9.998	95	975805	51.821	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	103.640%

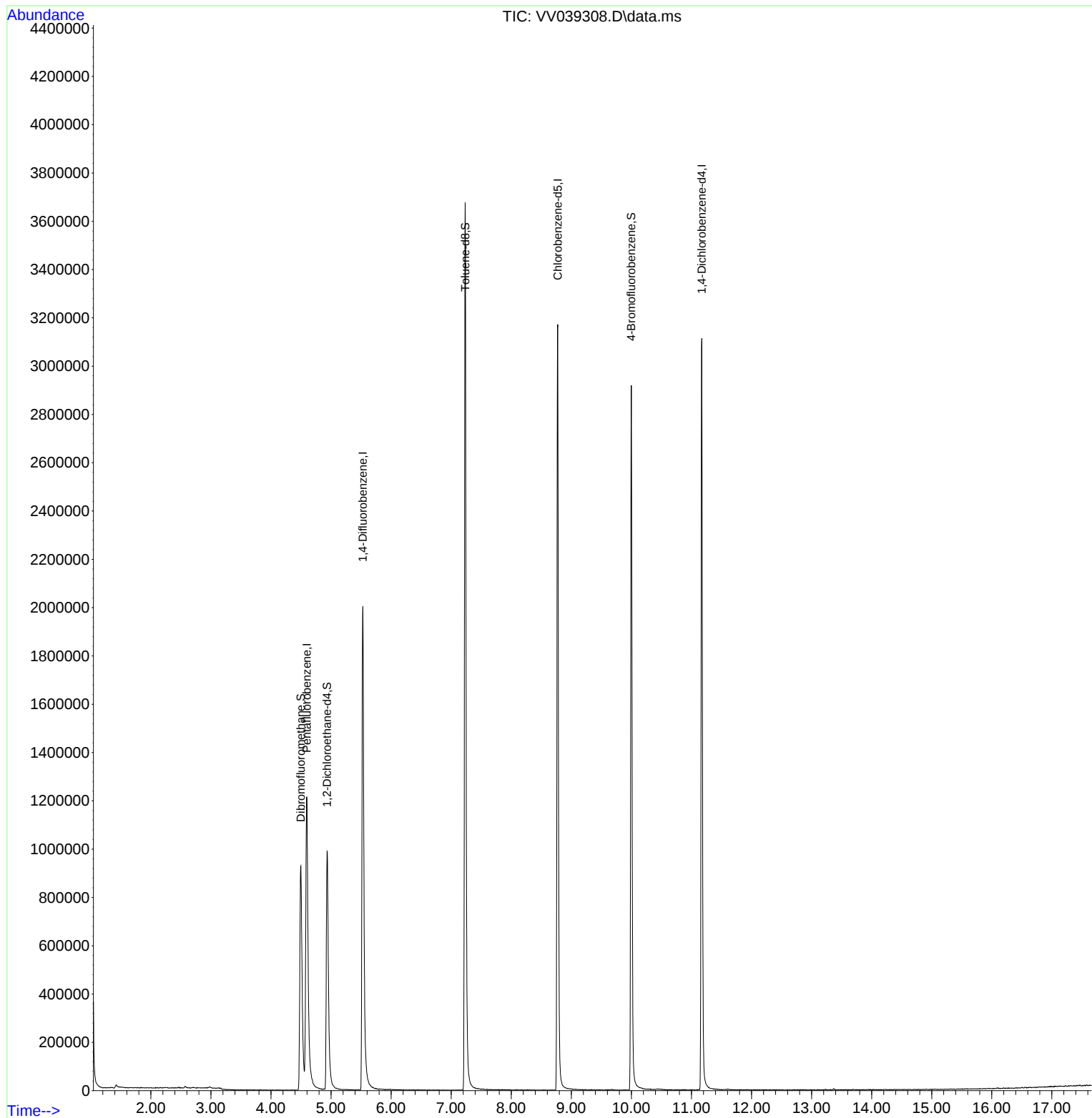
Target Compounds	Qvalue

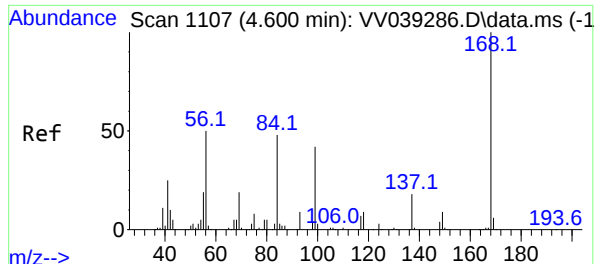
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Time: Nov 05 00:32:30 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

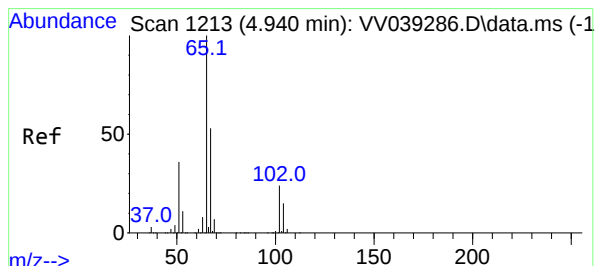
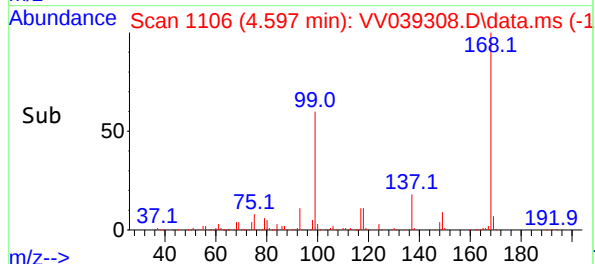
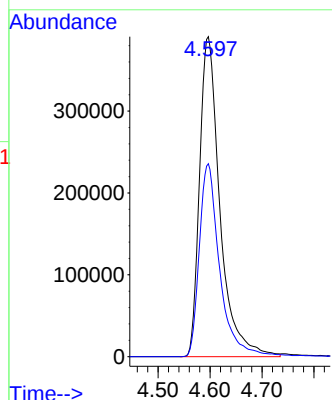
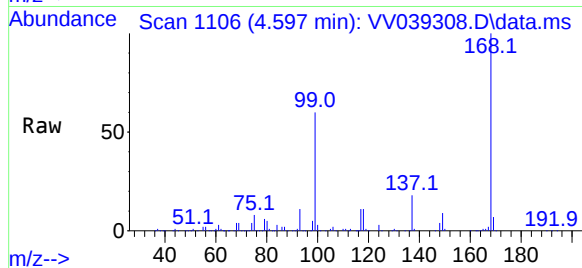




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.597 min Scan# 1106
Delta R.T. -0.003 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

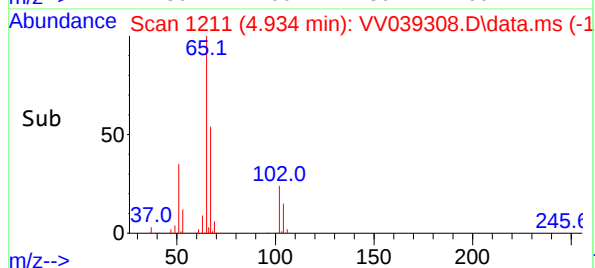
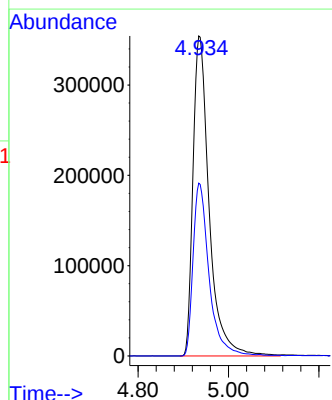
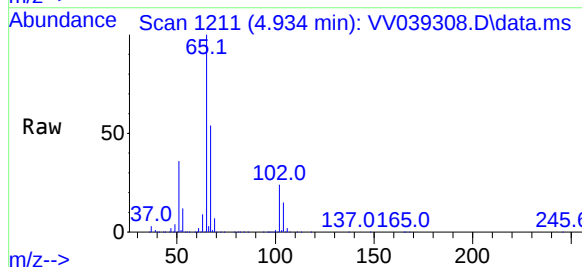
Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

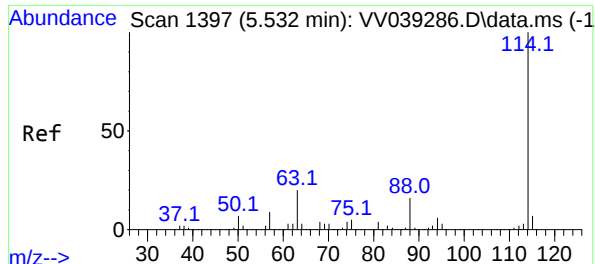
Tgt Ion:168 Resp: 1064589
Ion Ratio Lower Upper
168 100
99 60.3 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 58.053 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039308.D
Acq: 04 Nov 2025 12:21

Tgt Ion: 65 Resp: 878179
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.529 min Scan# 11

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

ClientSampleId :

VV1104WBL01

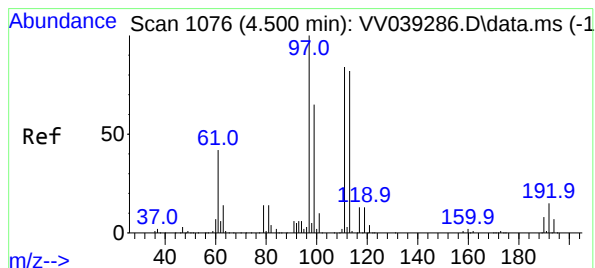
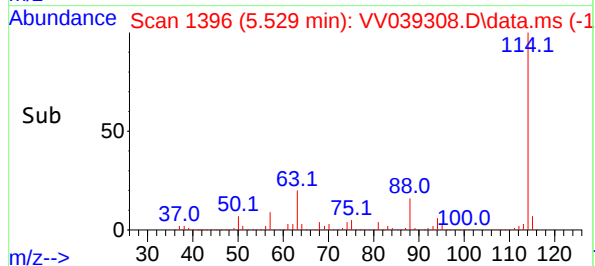
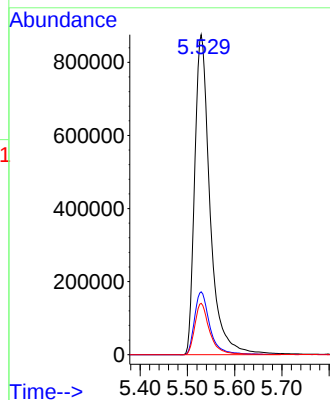
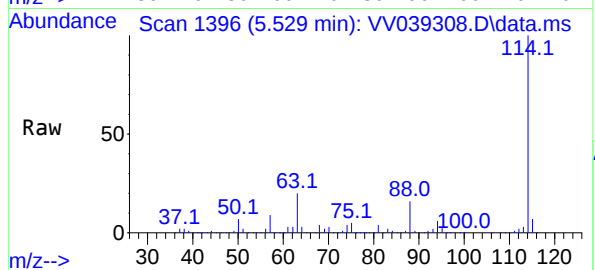
Tgt Ion:114 Resp: 1972523

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.0 0.0 31.6



#35

Dibromofluoromethane

Concen: 50.317 ug/l

RT: 4.497 min Scan# 1075

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

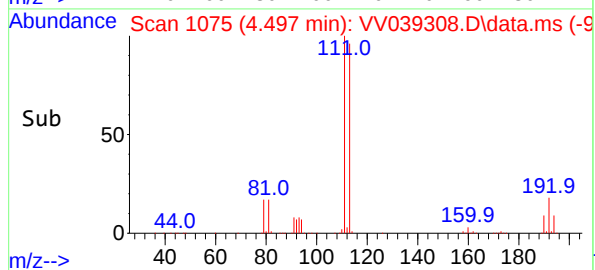
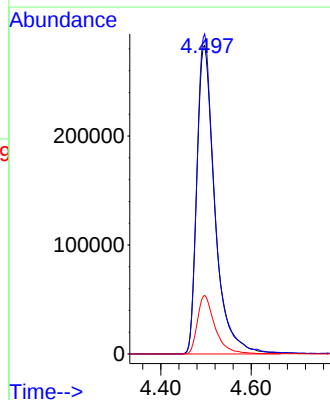
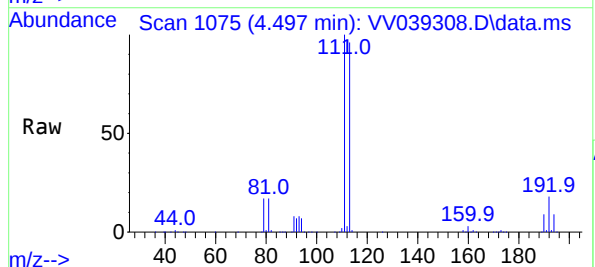
Tgt Ion:113 Resp: 782028

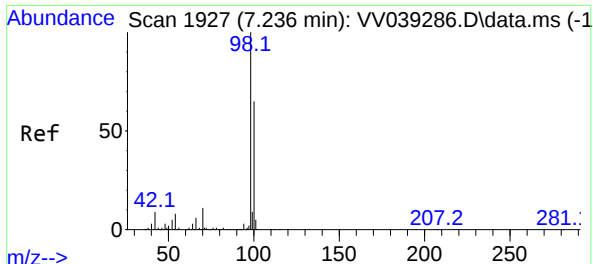
Ion Ratio Lower Upper

113 100

111 101.3 82.0 123.0

192 18.5 14.3 21.5





#50

Toluene-d8

Concen: 48.608 ug/l

RT: 7.233 min Scan# 1927

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

ClientSampleId :

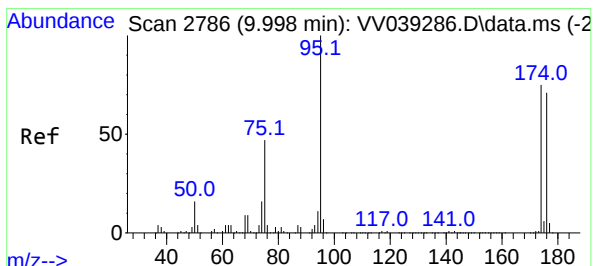
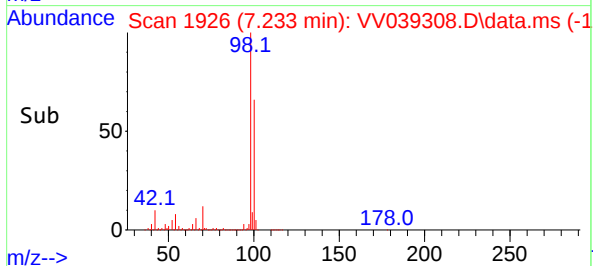
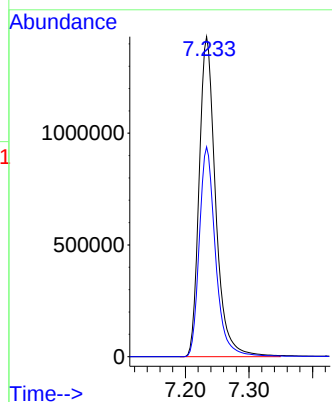
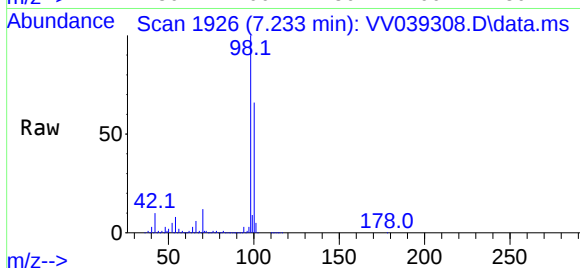
VV1104WBL01

Tgt Ion: 98 Resp: 2570057

Ion Ratio Lower Upper

98 100

100 64.8 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 51.821 ug/l

RT: 9.998 min Scan# 2786

Delta R.T. 0.000 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

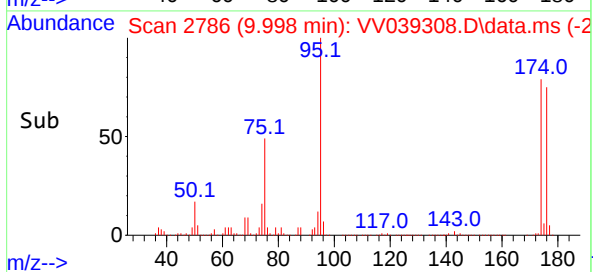
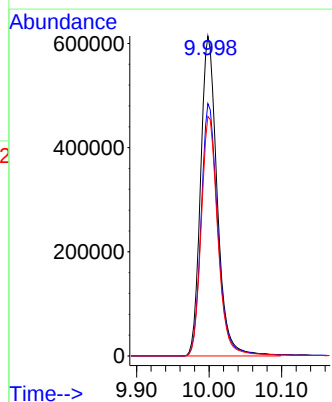
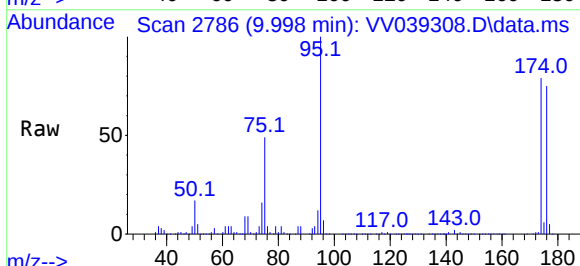
Tgt Ion: 95 Resp: 975805

Ion Ratio Lower Upper

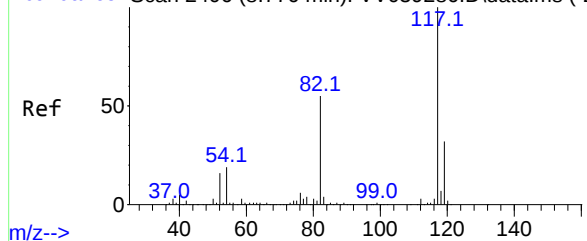
95 100

174 80.1 0.0 153.6

176 75.3 0.0 146.0



Abundance Scan 2406 (8.776 min): VV039286.D\data.ms (-2



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Instrument :

MSVOA_V

ClientSampleId :

VV1104WBL01

Tgt Ion:117 Resp: 1793346

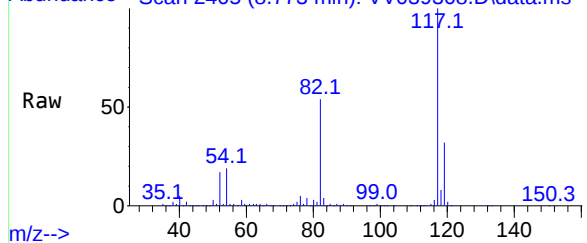
Ion Ratio Lower Upper

117 100

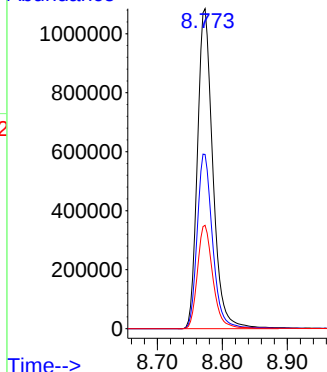
82 54.4 43.8 65.8

119 32.3 25.8 38.6

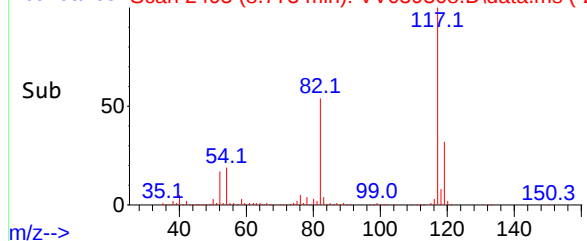
Abundance Scan 2405 (8.773 min): VV039308.D\data.ms



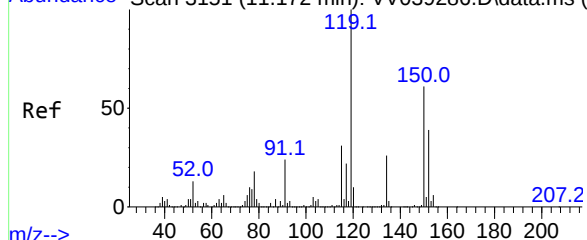
Abundance



Abundance Scan 2405 (8.773 min): VV039308.D\data.ms (-2



Abundance Scan 3151 (11.172 min): VV039286.D\data.ms (-2



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. 0.000 min

Lab File: VV039308.D

Acq: 04 Nov 2025 12:21

Tgt Ion:152 Resp: 828938

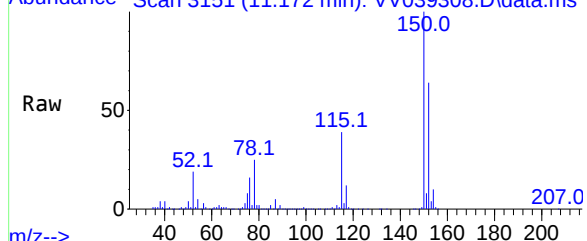
Ion Ratio Lower Upper

152 100

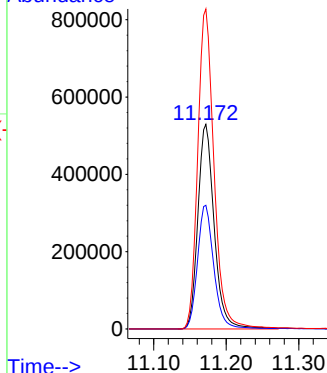
115 60.4 42.3 126.8

150 156.6 0.0 348.0

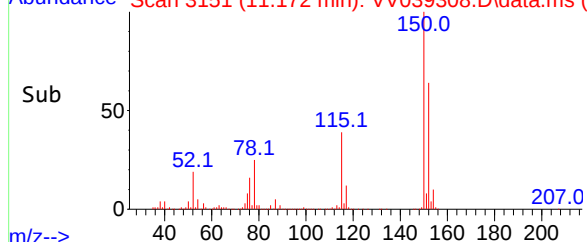
Abundance Scan 3151 (11.172 min): VV039308.D\data.ms



Abundance



Abundance Scan 3151 (11.172 min): VV039308.D\data.ms (-2



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039308.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.497	1053	1075	1093	rBV	927150	2433348	36.59%	7.089%
2	4.597	1094	1106	1170	rVB	1208791	3387634	50.94%	9.870%
3	4.934	1199	1211	1257	rBV	984480	2442010	36.72%	7.115%
4	5.529	1382	1396	1444	rBV	2001631	4548739	68.40%	13.252%
5	7.233	1914	1926	1971	rBV	3674102	6650660	100.00%	19.376%
6	8.773	2393	2405	2432	rBV	3170280	5283401	79.44%	15.393%
7	9.998	2774	2786	2814	rBV	2918411	4674300	70.28%	13.618%
8	11.172	3139	3151	3186	rBV	3110574	4903835	73.73%	14.287%

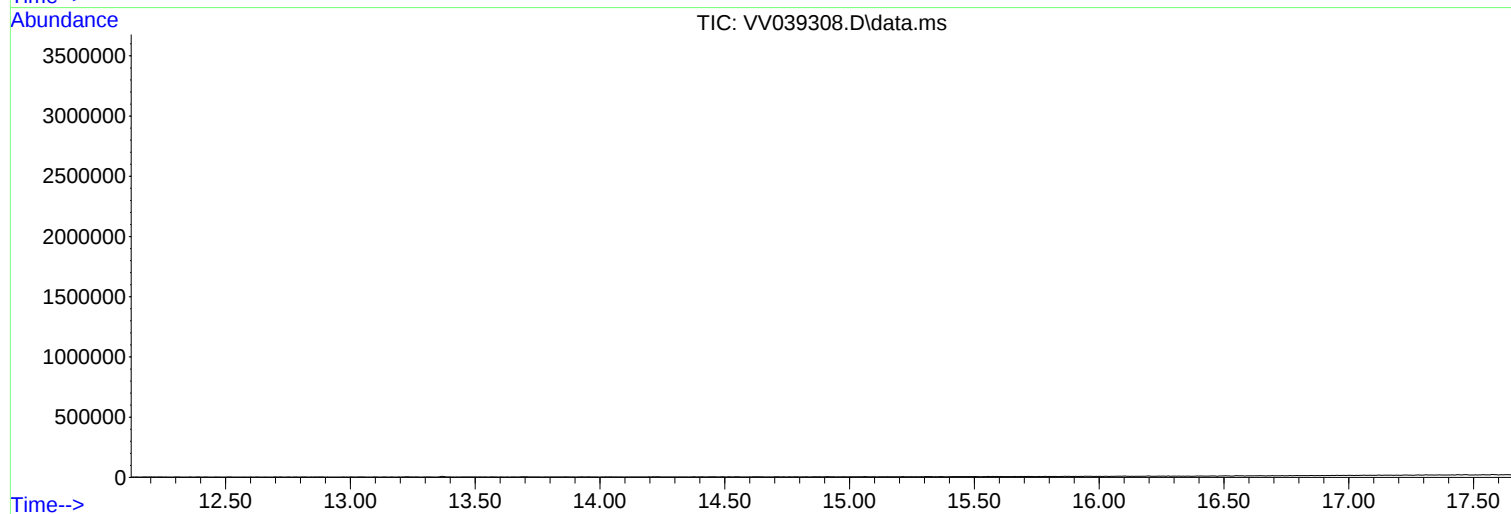
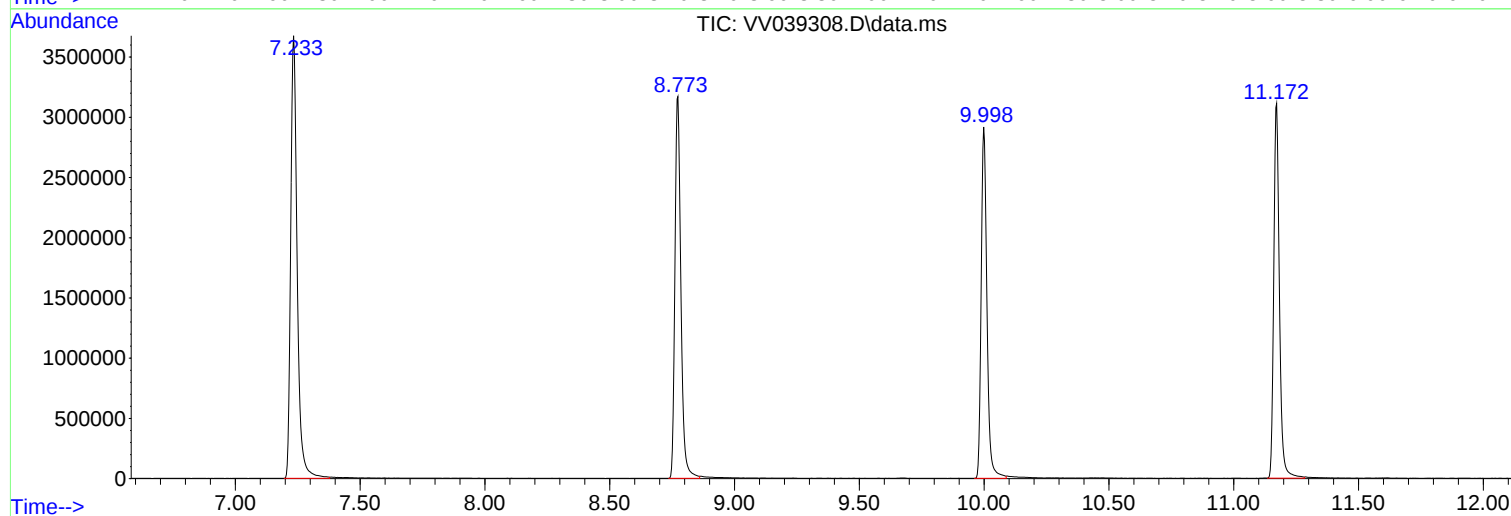
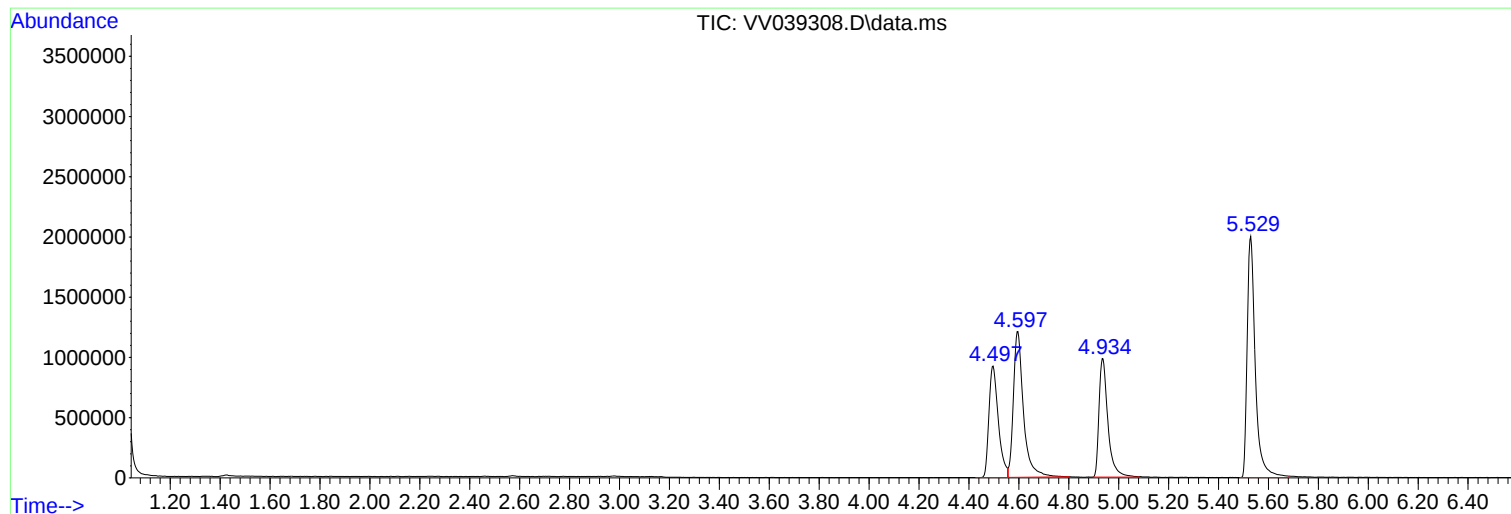
Sum of corrected areas: 34323927

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
Data File : VV039308.D
Acq On : 04 Nov 2025 12:21
Operator : SY/MD
Sample : VV1104WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110525\
 Data File : VV039330.D
 Acq On : 05 Nov 2025 12:29
 Operator : SY/MD
 Sample : VV1105WBL01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1105WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Nov 06 00:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.600	168	856812	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1628447	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1466262	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	623984	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	739326	60.726	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 121.460%#	
35) Dibromofluoromethane	4.500	113	657324	51.229	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 102.460%	
50) Toluene-d8	7.236	98	2095273	48.001	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 96.000%	
62) 4-Bromofluorobenzene	9.998	95	674284	43.374	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 86.740%	

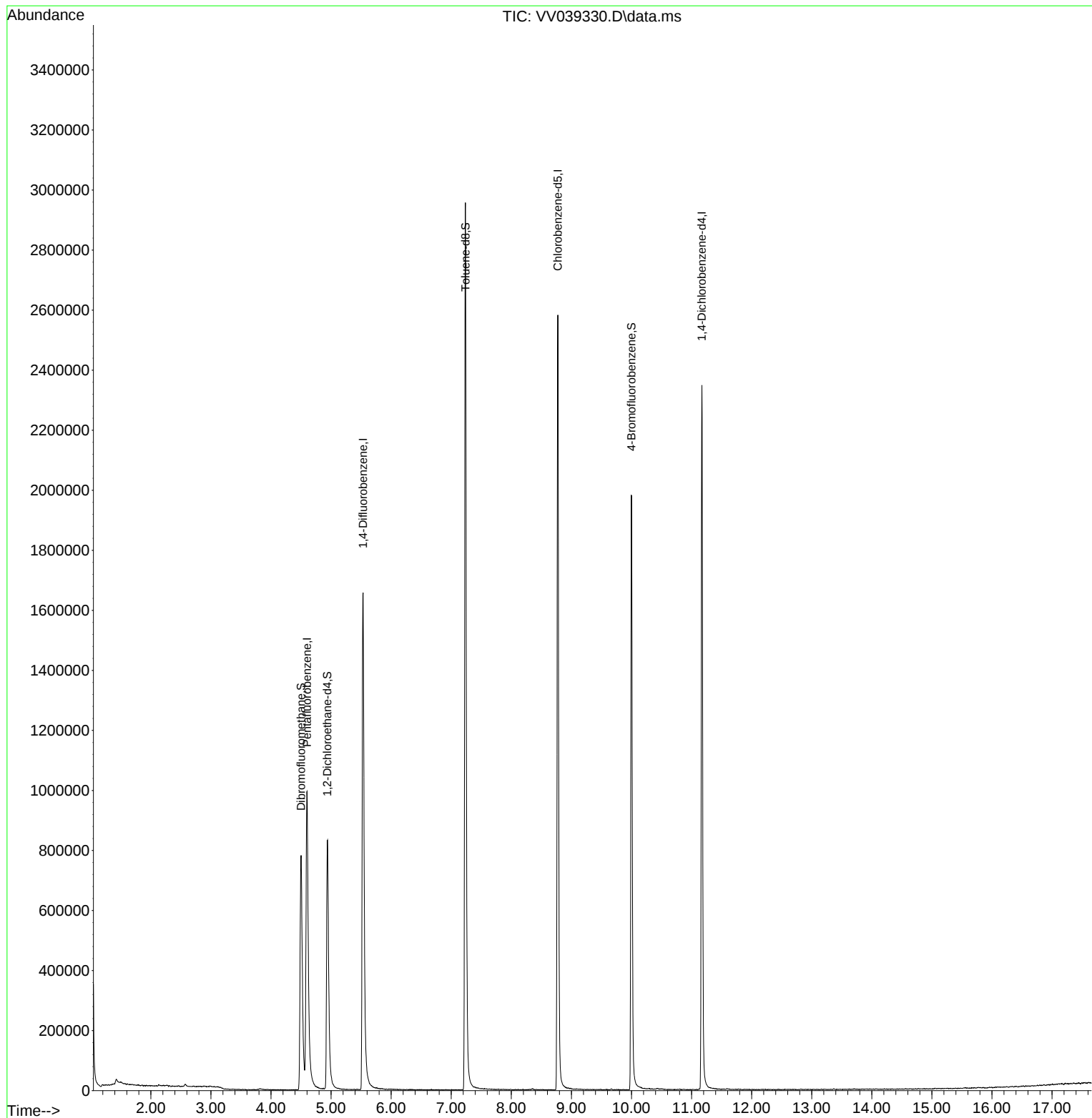
Target Compounds	Qvalue

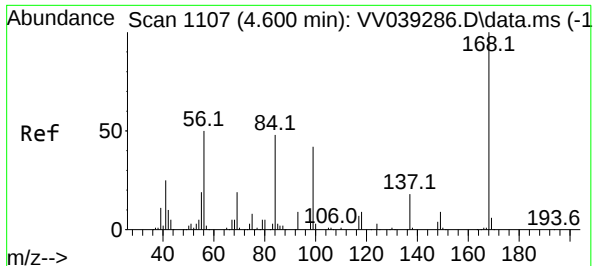
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Time: Nov 06 00:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

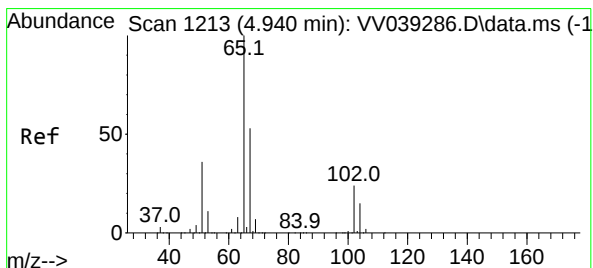
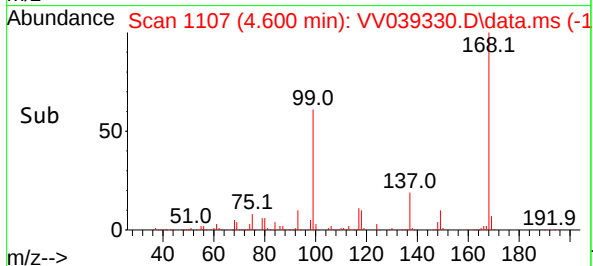
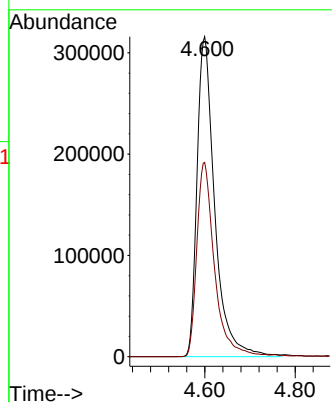
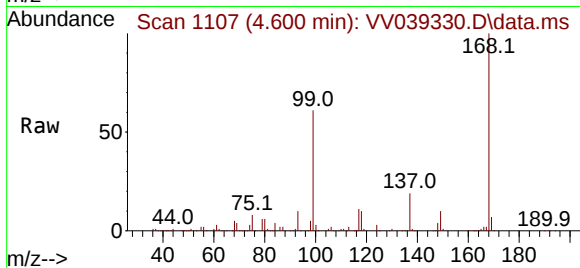




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1107
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

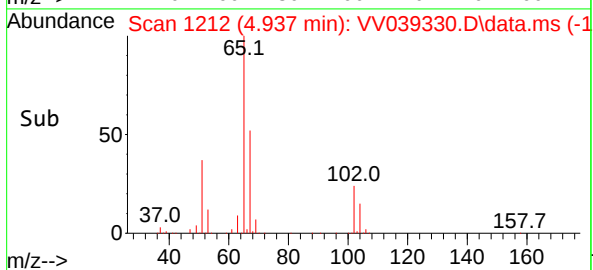
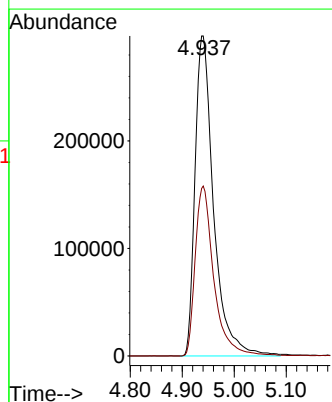
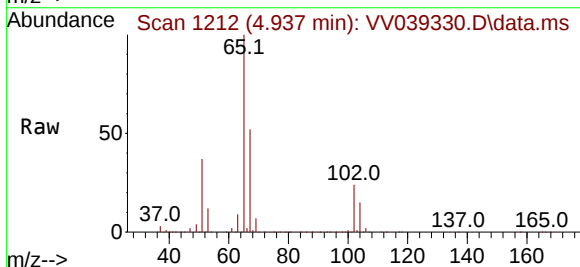
Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

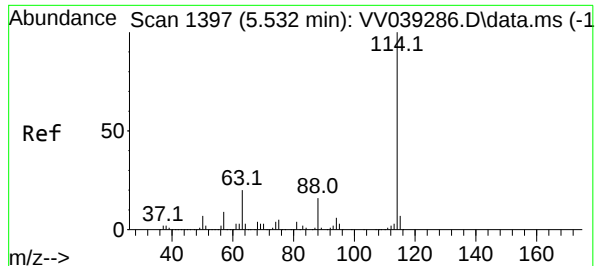
Tgt Ion:168 Resp: 856812
Ion Ratio Lower Upper
168 100
99 60.6 46.6 70.0



#33
1,2-Dichloroethane-d4
Concen: 60.726 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion: 65 Resp: 739326
Ion Ratio Lower Upper
65 100
67 53.5 0.0 108.4





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 5.532 min Scan# 1397

Delta R.T. -0.000 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

Instrument :

MSVOA_V

ClientSampleId :

VV1105WBL01

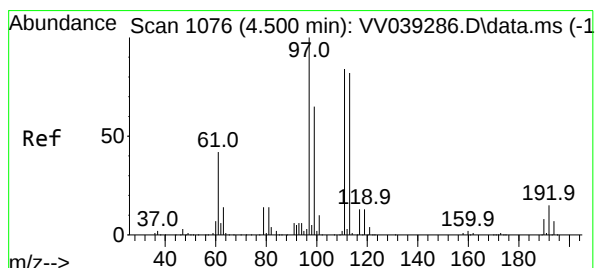
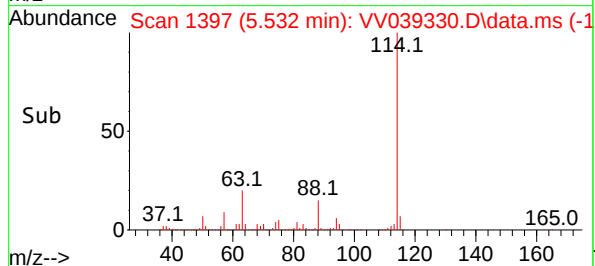
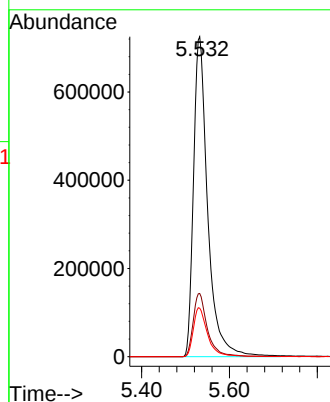
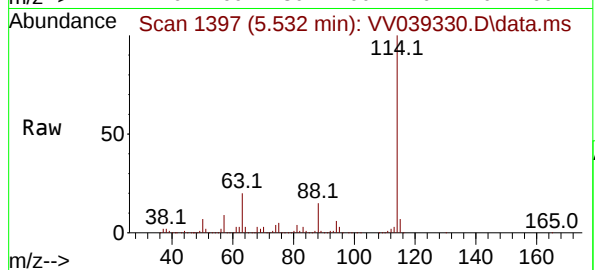
Tgt Ion:114 Resp: 1628447

Ion Ratio Lower Upper

114 100

63 19.7 0.0 39.6

88 15.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 51.229 ug/l

RT: 4.500 min Scan# 1076

Delta R.T. -0.000 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

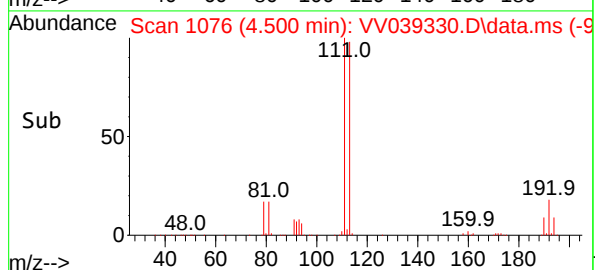
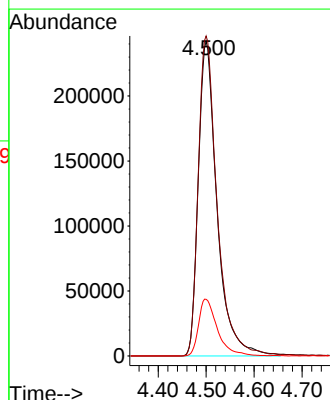
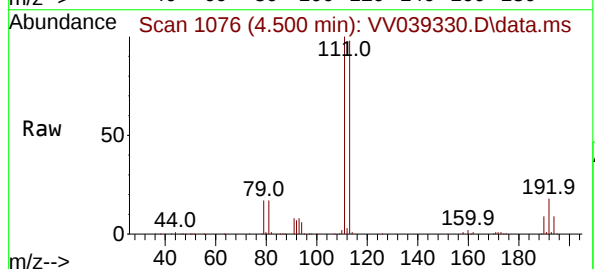
Tgt Ion:113 Resp: 657324

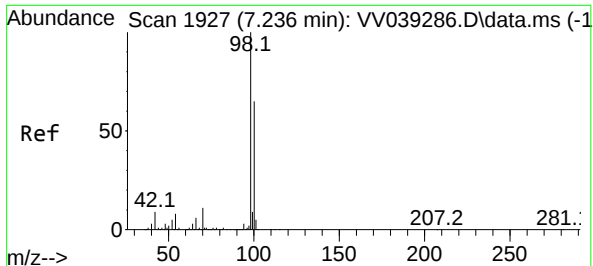
Ion Ratio Lower Upper

113 100

111 101.9 82.0 123.0

192 18.2 14.3 21.5





#50

Toluene-d8

Concen: 48.001 ug/l

RT: 7.236 min Scan# 1927

Delta R.T. -0.000 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

Instrument :

MSVOA_V

ClientSampleId :

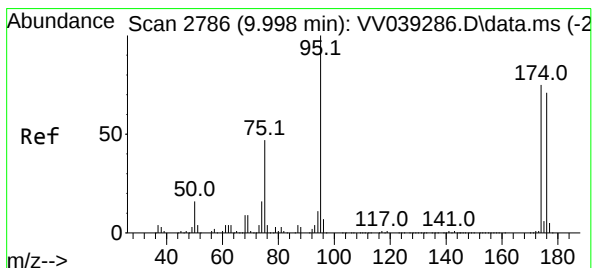
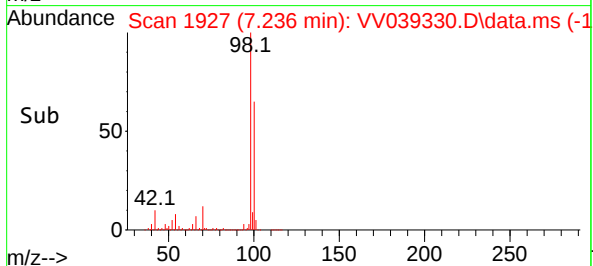
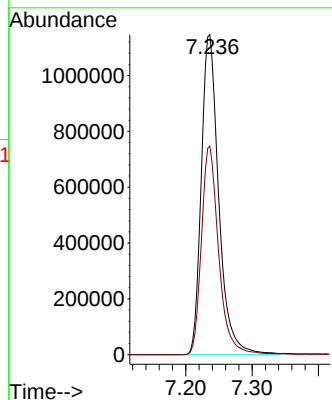
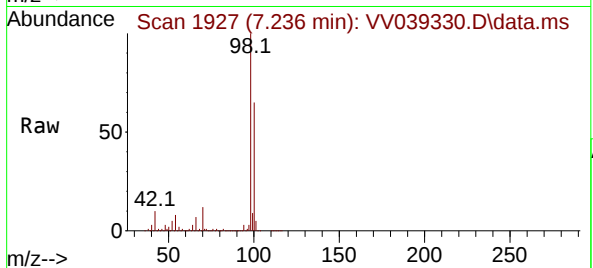
VV1105WBL01

Tgt Ion: 98 Resp: 2095273

Ion Ratio Lower Upper

98 100

100 64.5 52.8 79.2



#62

4-Bromofluorobenzene

Concen: 43.374 ug/l

RT: 9.998 min Scan# 2786

Delta R.T. -0.000 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

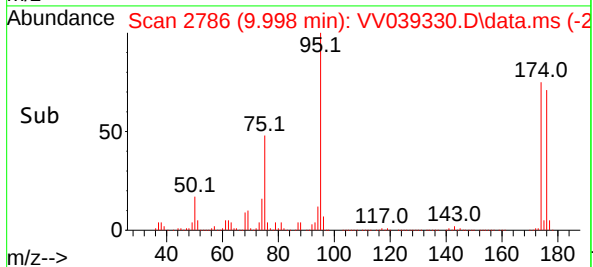
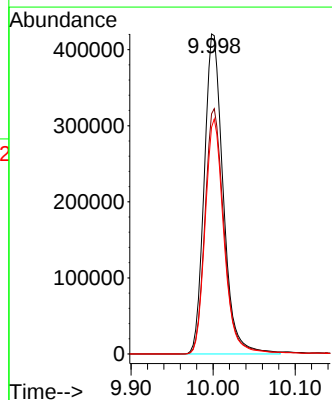
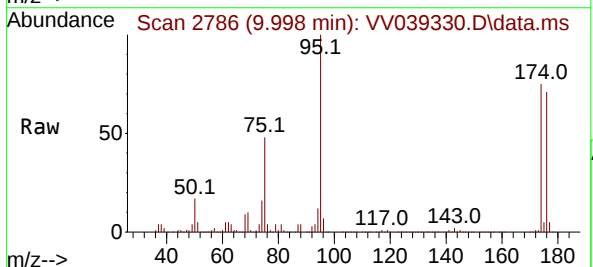
Tgt Ion: 95 Resp: 674284

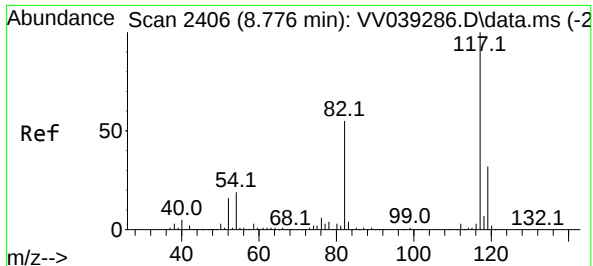
Ion Ratio Lower Upper

95 100

174 77.9 0.0 153.6

176 73.3 0.0 146.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 8.773 min Scan# 2406

Delta R.T. -0.003 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

Instrument :

MSVOA_V

ClientSampleId :

VV1105WBL01

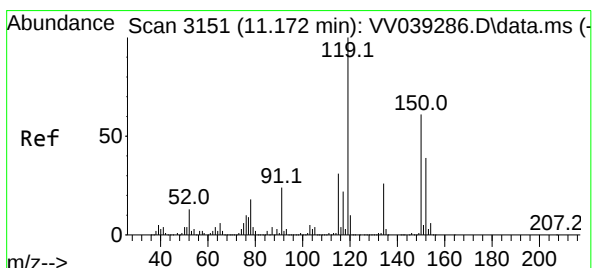
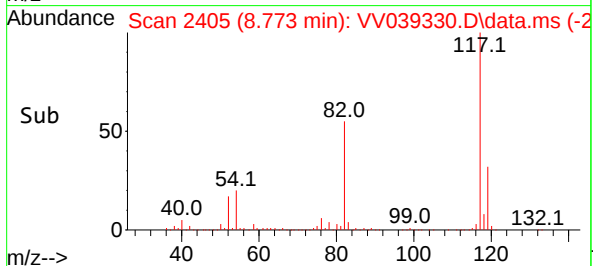
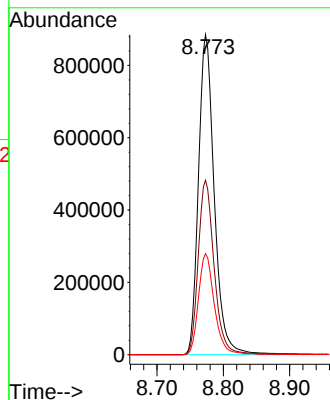
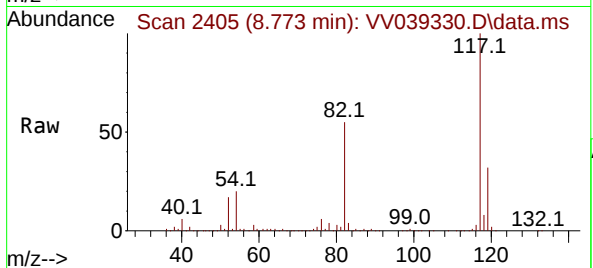
Tgt Ion:117 Resp: 1466262

Ion Ratio Lower Upper

117 100

82 54.5 43.8 65.8

119 31.6 25.8 38.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 11.172 min Scan# 3151

Delta R.T. -0.000 min

Lab File: VV039330.D

Acq: 05 Nov 2025 12:29

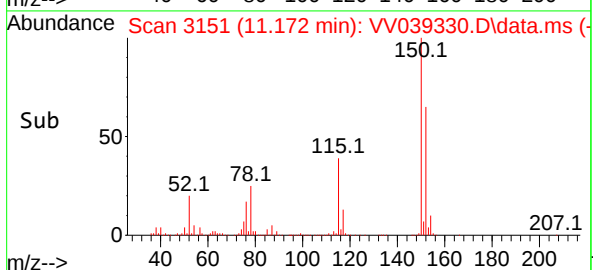
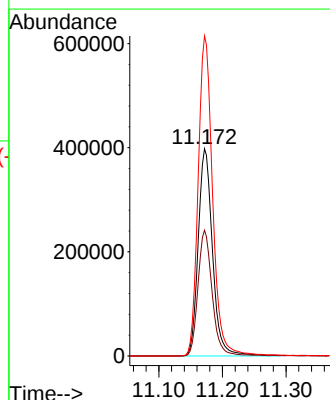
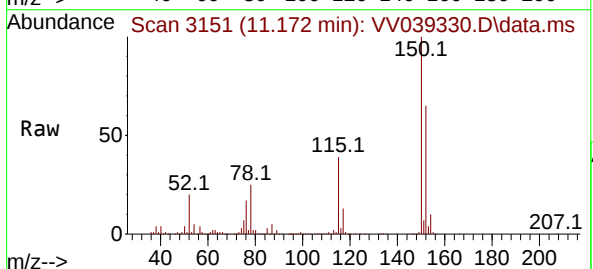
Tgt Ion:152 Resp: 623984

Ion Ratio Lower Upper

152 100

115 59.9 42.3 126.8

150 155.6 0.0 348.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

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\82V100725W.M

Title : SW846 8260

Signal : TIC: VV039330.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	780951	2053982	37.63%	7.544%
2	4.600	1095	1107	1144	rVB	980620	2633125	48.24%	9.671%
3	4.940	1195	1213	1263	rBV	829008	2069366	37.91%	7.600%
4	5.532	1381	1397	1431	rBV	1655479	3744957	68.61%	13.755%
5	7.236	1914	1927	1970	rBV	2955394	5457945	100.00%	20.046%
6	8.773	2389	2405	2436	rBV	2581937	4338436	79.49%	15.934%
7	9.998	2775	2786	2817	rBV	1980286	3246754	59.49%	11.925%
8	11.172	3140	3151	3183	rBV	2344826	3682418	67.47%	13.525%

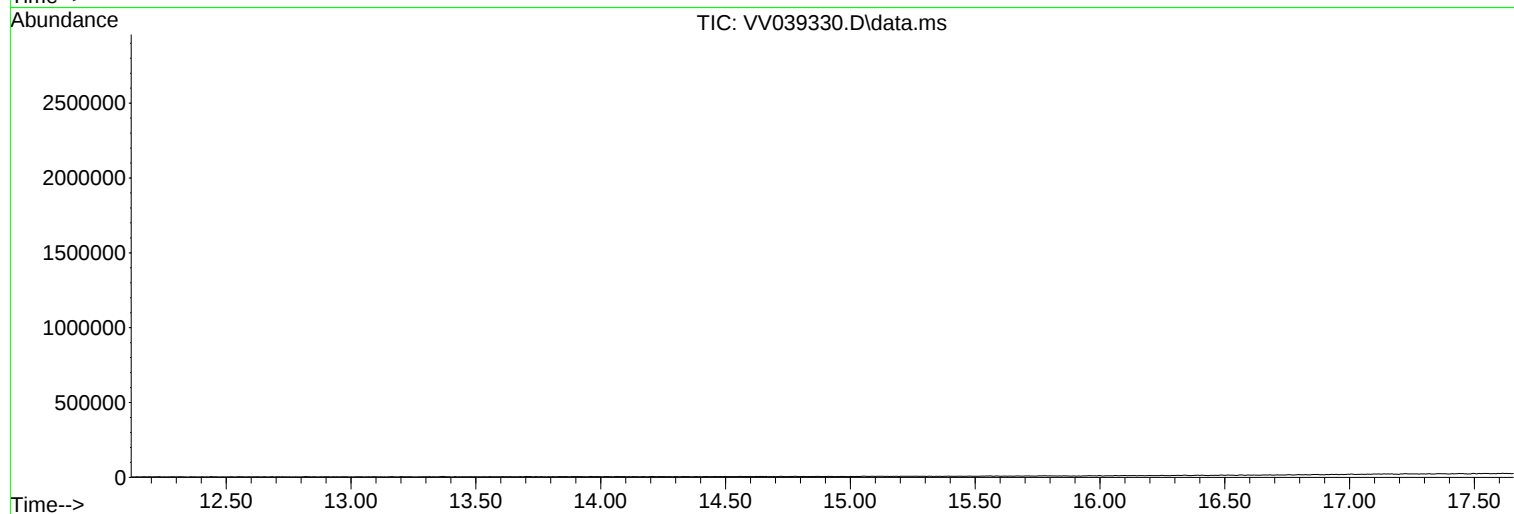
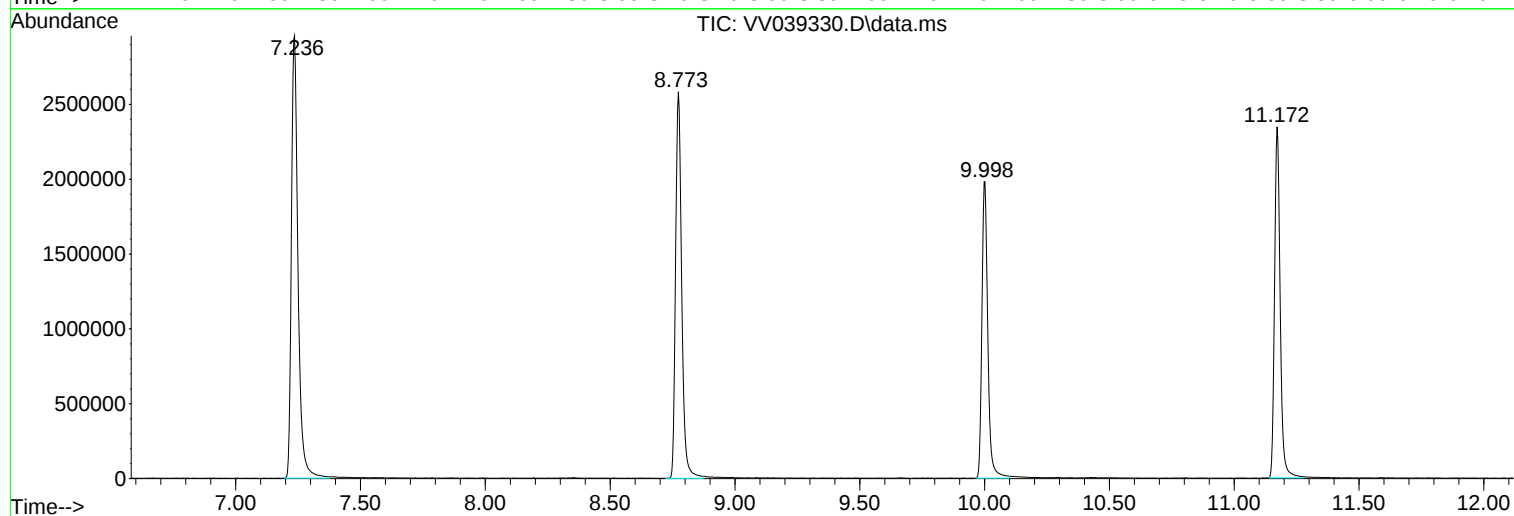
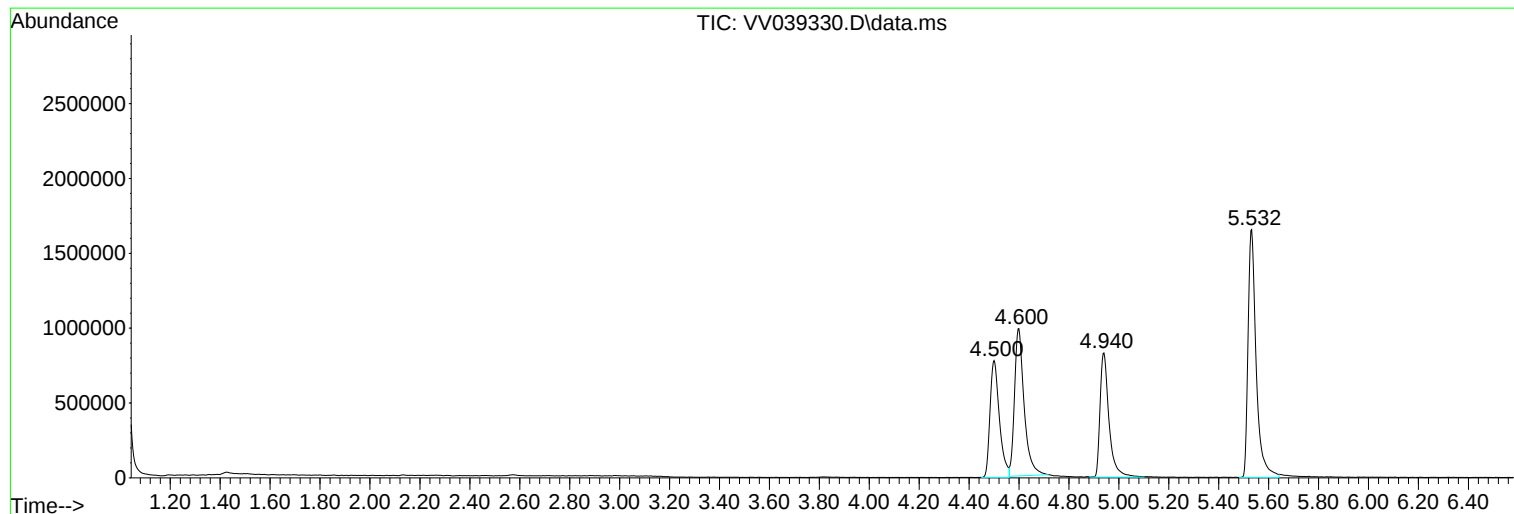
Sum of corrected areas: 27226983

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.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\VV110425\
 Data File : VV039309.D
 Acq On : 04 Nov 2025 12:49
 Operator : SY/MD
 Sample : VV1104WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	733220	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1149929	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1129519	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	636116	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	4.937	65	511281	49.074	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	=	98.140%
35) Dibromofluoromethane	4.497	113	453890	50.095	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	=	100.180%
50) Toluene-d8	7.233	98	1616726	52.451	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	=	104.900%
62) 4-Bromofluorobenzene	9.998	95	589312	53.683	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	=	107.360%

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.121	85	150088	16.195	ug/l	99
3) Chloromethane	1.230	50	170270	17.647	ug/l	97
4) Vinyl Chloride	1.298	62	184720	16.781	ug/l	100
5) Bromomethane	1.500	94	134477	18.829	ug/l	99
6) Chloroethane	1.561	64	123716	18.962	ug/l	97
7) Trichlorofluoromethane	1.728	101	292963	17.422	ug/l	99
8) Diethyl Ether	1.918	74	100661	16.565	ug/l	100
9) 1,1,2-Trichlorotrifluo...	2.082	101	182519	18.127	ug/l	99
10) Methyl Iodide	2.198	142	171240	19.739	ug/l	99
11) Tert butyl alcohol	2.561	59	96173	47.632	ug/l	99
12) 1,1-Dichloroethene	2.082	96	166090	16.800	ug/l	98
13) Acrolein	2.011	56	41461	29.385	ug/l	100
14) Allyl chloride	2.359	41	260264	16.606	ug/l	99
15) Acrylonitrile	2.674	53	459816	76.793	ug/l	99
16) Acetone	2.118	43	413309	78.304	ug/l	99
17) Carbon Disulfide	2.253	76	483660	17.320	ug/l	100
18) Methyl Acetate	2.378	43	191593	14.191	ug/l	98
19) Methyl tert-butyl Ether	2.709	73	519738	17.466	ug/l	100
20) Methylene Chloride	2.455	84	189332	19.107	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	180695	17.359	ug/l	98
22) Diisopropyl ether	3.211	45	518348	18.421	ug/l #	70
23) Vinyl Acetate	3.188	43	2239012	90.638	ug/l	100
24) 1,1-Dichloroethane	3.118	63	328316	17.416	ug/l	99
25) 2-Butanone	3.863	43	485792	76.243	ug/l	99
26) 2,2-Dichloropropane	3.809	77	271540	17.884	ug/l	100
27) cis-1,2-Dichloroethene	3.818	96	188276	18.064	ug/l	99
28) Bromochloromethane	4.146	49	139950	17.413	ug/l	99
29) Tetrahydrofuran	4.233	42	306767	75.300	ug/l	99
30) Chloroform	4.278	83	336927	17.526	ug/l	97
31) Cyclohexane	4.584	56	251508	18.317	ug/l	95
32) 1,1,1-Trichloroethane	4.510	97	299853	17.840	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202258	17.773	ug/l	98
37) Ethyl Acetate	3.976	43	204626	15.359	ug/l	98
38) Carbon Tetrachloride	4.732	117	254185	18.333	ug/l	96
39) Methylcyclohexane	6.043	83	229820	17.670	ug/l	99
40) Benzene	5.008	78	686424	18.797	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039309.D
 Acq On : 04 Nov 2025 12:49
 Operator : SY/MD
 Sample : VV1104WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
 Supervised By :Mahesh Dadoda 11/05/2025

Quant Time: Nov 05 00:33:22 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	83940	15.924	ug/l	93
42) 1,2-Dichloroethane	5.040	62	230824	18.010	ug/l	99
43) Isopropyl Acetate	5.191	43	305041	17.489	ug/l	100
44) Trichloroethene	5.831	130	170962	18.617	ug/l	95
45) 1,2-Dichloropropane	6.088	63	173680	19.546	ug/l	98
46) Dibromomethane	6.227	93	132973	17.903	ug/l	98
47) Bromodichloromethane	6.426	83	267149	18.255	ug/l	99
48) Methyl methacrylate	6.297	41	128547	15.908	ug/l	98
49) 1,4-Dioxane	6.291	88	23507m	174.875	ug/l	
51) 4-Methyl-2-Pentanone	7.146	43	1042286	86.132	ug/l	98
52) Toluene	7.307	92	435082	19.733	ug/l	100
53) t-1,3-Dichloropropene	7.574	75	240904	18.836	ug/l	98
54) cis-1,3-Dichloropropene	6.947	75	275230	19.356	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	178823	17.961	ug/l	98
56) Ethyl methacrylate	7.715	69	208276	18.465	ug/l	99
57) 1,3-Dichloropropane	7.934	76	282493	18.803	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.809	63	616357	95.710	ug/l	99
59) 2-Hexanone	8.063	43	744076	83.755	ug/l	99
60) Dibromochloromethane	8.166	129	213236	18.318	ug/l	98
61) 1,2-Dibromoethane	8.272	107	191275	18.451	ug/l	99
64) Tetrachloroethene	7.895	164	153069	18.578	ug/l	98
65) Chlorobenzene	8.802	112	488115	18.255	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	179594	17.931	ug/l	98
67) Ethyl Benzene	8.934	91	735503	18.673	ug/l	99
68) m/p-Xylenes	9.059	106	618237	39.575	ug/l	99
69) o-Xylene	9.468	106	257329	18.653	ug/l	95
70) Styrene	9.487	104	486737	19.829	ug/l	99
71) Bromoform	9.654	173	144690	17.863	ug/l #	97
73) Isopropylbenzene	9.854	105	741892	19.206	ug/l	100
74) N-amyl acetate	9.725	43	260778	16.384	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	287138	16.187	ug/l	99
76) 1,2,3-Trichloropropane	10.198	75	207338	16.331	ug/l	94
77) Bromobenzene	10.140	156	202408	19.061	ug/l	99
78) n-propylbenzene	10.275	91	901629	19.237	ug/l	100
79) 2-Chlorotoluene	10.346	91	555299	19.189	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	637404	19.675	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	84401	16.789	ug/l	96
82) 4-Chlorotoluene	10.461	91	660634	19.862	ug/l	99
83) tert-Butylbenzene	10.789	119	578625	17.987	ug/l	98
84) 1,2,4-Trimethylbenzene	10.837	105	620103	19.443	ug/l	99
85) sec-Butylbenzene	11.011	105	746311	18.349	ug/l	100
86) p-Isopropyltoluene	11.165	119	646871	18.498	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	395972	18.695	ug/l	99
88) 1,4-Dichlorobenzene	11.194	146	423406	17.862	ug/l	99
89) n-Butylbenzene	11.580	91	567146	17.415	ug/l	98
90) Hexachloroethane	11.818	117	145066	16.776	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	365350	18.133	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	54508	14.944	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	200695	17.860	ug/l	99
94) Hexachlorobutadiene	13.368	225	81939	14.400	ug/l	98
95) Naphthalene	13.426	128	602988	16.378	ug/l	100
96) 1,2,3-Trichlorobenzene	13.664	180	202409	17.331	ug/l	97

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039309.D
Acq On : 04 Nov 2025 12:49
Operator : SY/MD
Sample : VV1104WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 05 00:33:22 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBS01

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025

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 :
VV1104WBS01

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/05/2025
Supervised By :Mahesh Dadoda 11/05/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039331.D
 Acq On : 05 Nov 2025 12:55
 Operator : SY/MD
 Sample : VV1105WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.597	168	708659	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1110235	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1080434	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	614058	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	514415	51.086	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 102.180%	
35) Dibromofluoromethane	4.500	113	456250	52.156	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 104.320%	
50) Toluene-d8	7.233	98	1613297	54.211	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 108.420%	
62) 4-Bromofluorobenzene	9.998	95	582338	54.945	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 109.880%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	151845	16.953	ug/l	98
3) Chloromethane	1.230	50	165321	17.728	ug/l	99
4) Vinyl Chloride	1.298	62	192110	18.058	ug/l	100
5) Bromomethane	1.500	94	120166	17.409	ug/l	99
6) Chloroethane	1.561	64	130509	20.911	ug/l	97
7) Trichlorofluoromethane	1.729	101	305780	18.814	ug/l	98
8) Diethyl Ether	1.918	74	107151	18.244	ug/l	99
9) 1,1,2-Trichlorotrifluo...	2.082	101	187255	19.242	ug/l	99
10) Methyl Iodide	2.198	142	146915	17.522	ug/l	99
11) Tert butyl alcohol	2.561	59	157784	80.854	ug/l	99
12) 1,1-Dichloroethene	2.082	96	174560	18.268	ug/l	98
13) Acrolein	2.011	56	57251	45.044	ug/l	97
14) Allyl chloride	2.359	41	277096	18.293	ug/l	99
15) Acrylonitrile	2.674	53	507942	87.770	ug/l	99
16) Acetone	2.118	43	503726	101.543	ug/l	100
17) Carbon Disulfide	2.256	76	493771	18.295	ug/l	99
18) Methyl Acetate	2.378	43	213694	16.377	ug/l	100
19) Methyl tert-butyl Ether	2.709	73	541798	18.838	ug/l	99
20) Methylene Chloride	2.458	84	199081	20.991	ug/l	99
21) trans-1,2-Dichloroethene	2.703	96	187193	18.606	ug/l	100
22) Diisopropyl ether	3.214	45	556242	20.453	ug/l	84
23) Vinyl Acetate	3.188	43	2368390	99.199	ug/l	100
24) 1,1-Dichloroethane	3.118	63	341031	18.718	ug/l	99
25) 2-Butanone	3.863	43	583217	94.706	ug/l	98
26) 2,2-Dichloropropane	3.809	77	281507	19.183	ug/l	98
27) cis-1,2-Dichloroethene	3.818	96	196769	19.533	ug/l	99
28) Bromochloromethane	4.146	49	150455	19.369	ug/l	98
29) Tetrahydrofuran	4.236	42	360292	91.504	ug/l	98
30) Chloroform	4.278	83	357431	19.237	ug/l	96
31) Cyclohexane	4.584	56	263859	19.883	ug/l	96
32) 1,1,1-Trichloroethane	4.513	97	313414	19.293	ug/l	99
36) 1,1-Dichloropropene	4.744	75	216998	19.750	ug/l	99
37) Ethyl Acetate	3.976	43	223250	17.356	ug/l	98
38) Carbon Tetrachloride	4.735	117	262131	19.582	ug/l	98
39) Methylcyclohexane	6.047	83	247722	19.727	ug/l	98
40) Benzene	5.008	78	720093	20.424	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
 Data File : VV039331.D
 Acq On : 05 Nov 2025 12:55
 Operator : SY/MD
 Sample : VV1105WBS01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1105WBS01

Quant Time: Nov 06 00:12:20 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.159	41	92536	17.943	ug/l	93
42) 1,2-Dichloroethane	5.040	62	236736	19.132	ug/l	99
43) Isopropyl Acetate	5.191	43	336423	19.977	ug/l	99
44) Trichloroethene	5.831	130	176863	19.948	ug/l	98
45) 1,2-Dichloropropane	6.088	63	177521	20.692	ug/l	98
46) Dibromomethane	6.227	93	133875	18.669	ug/l	95
47) Bromodichloromethane	6.426	83	280100	19.824	ug/l	99
48) Methyl methacrylate	6.297	41	145594	18.662	ug/l	97
49) 1,4-Dioxane	6.291	88	45801	352.907	ug/l	98
51) 4-Methyl-2-Pentanone	7.146	43	1188077	101.690	ug/l	97
52) Toluene	7.307	92	457126	21.474	ug/l	99
53) t-1,3-Dichloropropene	7.574	75	249007	20.165	ug/l	100
54) cis-1,3-Dichloropropene	6.947	75	284815	20.746	ug/l	99
55) 1,1,2-Trichloroethane	7.760	97	189312	19.695	ug/l	96
56) Ethyl methacrylate	7.715	69	220114	20.212	ug/l	98
57) 1,3-Dichloropropane	7.934	76	300599	20.723	ug/l	100
58) 2-Chloroethyl Vinyl ether	6.812	63	652369	104.109	ug/l	99
59) 2-Hexanone	8.063	43	869269	101.345	ug/l	98
60) Dibromochloromethane	8.166	129	224872	20.008	ug/l	100
61) 1,2-Dibromoethane	8.272	107	201175	20.100	ug/l	99
64) Tetrachloroethene	7.895	164	158158	20.067	ug/l	98
65) Chlorobenzene	8.802	112	511152	19.985	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.895	131	186905	19.509	ug/l	99
67) Ethyl Benzene	8.937	91	767565	20.373	ug/l	100
68) m/p-Xylenes	9.063	106	648604	43.405	ug/l	99
69) o-Xylene	9.468	106	274321	20.788	ug/l	97
70) Styrene	9.484	104	514861	21.927	ug/l	100
71) Bromoform	9.654	173	152324	19.660	ug/l	97
73) Isopropylbenzene	9.854	105	786898	21.103	ug/l	100
74) N-amyl acetate	9.725	43	285486	18.581	ug/l	98
75) 1,1,2,2-Tetrachloroethane	10.165	83	307266	17.943	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	223589	18.243	ug/l	94
77) Bromobenzene	10.140	156	207464	20.239	ug/l	99
78) n-propylbenzene	10.275	91	949310	20.981	ug/l	100
79) 2-Chlorotoluene	10.346	91	585997	20.978	ug/l	99
80) 1,3,5-Trimethylbenzene	10.464	105	676780	21.641	ug/l	100
81) trans-1,4-Dichloro-2-b...	9.928	75	91871	18.931	ug/l	98
82) 4-Chlorotoluene	10.461	91	690470	21.504	ug/l	99
83) tert-Butylbenzene	10.789	119	624594	20.114	ug/l	100
84) 1,2,4-Trimethylbenzene	10.837	105	670688	21.785	ug/l	100
85) sec-Butylbenzene	11.011	105	823564	20.976	ug/l	100
86) p-Isopropyltoluene	11.165	119	711111	21.065	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	408042	19.957	ug/l	100
88) 1,4-Dichlorobenzene	11.194	146	445782	19.482	ug/l	99
89) n-Butylbenzene	11.580	91	631556	20.089	ug/l	98
90) Hexachloroethane	11.818	117	156038	18.693	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	373670	19.212	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	12.352	75	60189	17.094	ug/l	97
93) 1,2,4-Trichlorobenzene	13.185	180	211096	19.460	ug/l	99
94) Hexachlorobutadiene	13.368	225	100027	18.211	ug/l	100
95) Naphthalene	13.426	128	657231	18.493	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	220351	19.545	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039331.D
Acq On : 05 Nov 2025 12:55
Operator : SY/MD
Sample : VV1105WBS01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBS01

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Quant Time: Nov 06 00:12:20 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 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 :
VV1105WBS01

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Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039310.D
 Acq On : 04 Nov 2025 13:12
 Operator : SY/MD
 Sample : VV1104WBSD01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	4.596	168	706395	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1110419	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1079972	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	618050	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	504363	50.248	ug/l	0.00
Spiked Amount	50.000	Range	81 - 118	Recovery	= 100.500%	
35) Dibromofluoromethane	4.500	113	439127	50.190	ug/l	0.00
Spiked Amount	50.000	Range	80 - 119	Recovery	= 100.380%	
50) Toluene-d8	7.233	98	1562786	52.505	ug/l	0.00
Spiked Amount	50.000	Range	89 - 112	Recovery	= 105.000%	
62) 4-Bromofluorobenzene	9.998	95	566888	53.478	ug/l	0.00
Spiked Amount	50.000	Range	85 - 114	Recovery	= 106.960%	

Target Compounds				Qvalue		
2) Dichlorodifluoromethane	1.121	85	142292	15.937	ug/l	99
3) Chloromethane	1.230	50	163201	17.557	ug/l	99
4) Vinyl Chloride	1.298	62	177522	16.740	ug/l	99
5) Bromomethane	1.500	94	130712	18.997	ug/l	96
6) Chloroethane	1.561	64	117164	18.599	ug/l	100
7) Trichlorofluoromethane	1.728	101	280464	17.312	ug/l	100
8) Diethyl Ether	1.918	74	101974	17.418	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	171938	17.724	ug/l	100
10) Methyl Iodide	2.198	142	177632	21.253	ug/l	100
11) Tert butyl alcohol	2.568	59	114504	58.864	ug/l	99
12) 1,1-Dichloroethene	2.082	96	157485	16.534	ug/l	99
13) Acrolein	2.011	56	45929	34.858	ug/l	96
14) Allyl chloride	2.359	41	255924	16.950	ug/l	99
15) Acrylonitrile	2.674	53	474435	82.243	ug/l	99
16) Acetone	2.117	43	446179	89.035	ug/l	99
17) Carbon Disulfide	2.252	76	457002	16.987	ug/l	100
18) Methyl Acetate	2.381	43	204155	15.696	ug/l	99
19) Methyl tert-butyl Ether	2.712	73	525437	18.328	ug/l	100
20) Methylene Chloride	2.458	84	185551	19.477	ug/l	98
21) trans-1,2-Dichloroethene	2.703	96	170629	17.014	ug/l	98
22) Diisopropyl ether	3.214	45	516923	19.068	ug/l #	73
23) Vinyl Acetate	3.191	43	2240706	94.151	ug/l	100
24) 1,1-Dichloroethane	3.121	63	314272	17.304	ug/l	98
25) 2-Butanone	3.870	43	522681	85.148	ug/l	98
26) 2,2-Dichloropropane	3.812	77	263373	18.005	ug/l	100
27) cis-1,2-Dichloroethene	3.825	96	190586	18.980	ug/l	98
28) Bromochloromethane	4.146	49	136004	17.565	ug/l	100
29) Tetrahydrofuran	4.240	42	329172	83.868	ug/l	99
30) Chloroform	4.278	83	326914	17.651	ug/l	99
31) Cyclohexane	4.584	56	239964	18.140	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	290407	17.934	ug/l	99
36) 1,1-Dichloropropene	4.744	75	202551	18.432	ug/l	99
37) Ethyl Acetate	3.982	43	216252	16.809	ug/l	96
38) Carbon Tetrachloride	4.735	117	247835	18.511	ug/l	99
39) Methylcyclohexane	6.047	83	225379	17.945	ug/l	95
40) Benzene	5.011	78	664122	18.834	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
 Data File : VV039310.D
 Acq On : 04 Nov 2025 13:12
 Operator : SY/MD
 Sample : VV1104WBSD01
 Misc : 5.0mL/MSVOA_V/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VV1104WBSD01

Quant Time: Nov 05 00:34:59 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 08 05:01:26 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.162	41	89193	17.353	ug/l	96
42) 1,2-Dichloroethane	5.040	62	224904	18.173	ug/l	99
43) Isopropyl Acetate	5.194	43	311494	18.494	ug/l	100
44) Trichloroethene	5.831	130	168787	19.034	ug/l	96
45) 1,2-Dichloropropane	6.088	63	158585	18.482	ug/l	99
46) Dibromomethane	6.227	93	129164	18.009	ug/l	97
47) Bromodichloromethane	6.426	83	261312	18.491	ug/l	99
48) Methyl methacrylate	6.301	41	131960	16.912	ug/l	97
49) 1,4-Dioxane	6.297	88	25908	199.594	ug/l	96
51) 4-Methyl-2-Pentanone	7.146	43	1091455	93.404	ug/l	98
52) Toluene	7.310	92	425923	20.005	ug/l	98
53) t-1,3-Dichloropropene	7.574	75	238584	19.318	ug/l	99
54) cis-1,3-Dichloropropene	6.950	75	268605	19.562	ug/l	100
55) 1,1,2-Trichloroethane	7.760	97	181167	18.844	ug/l	98
56) Ethyl methacrylate	7.715	69	208906	19.180	ug/l	99
57) 1,3-Dichloropropane	7.934	76	282261	19.456	ug/l	99
58) 2-Chloroethyl Vinyl ether	6.812	63	610540	97.962	ug/l	100
59) 2-Hexanone	8.063	43	781191	91.062	ug/l	98
60) Dibromochloromethane	8.165	129	209660	18.652	ug/l	99
61) 1,2-Dibromoethane	8.275	107	189522	18.932	ug/l	100
64) Tetrachloroethene	7.895	164	149728	19.006	ug/l	98
65) Chlorobenzene	8.802	112	477053	18.659	ug/l	99
66) 1,1,1,2-Tetrachloroethane	8.899	131	173236	18.090	ug/l	100
67) Ethyl Benzene	8.937	91	714598	18.975	ug/l	99
68) m/p-Xylenes	9.063	106	599953	40.166	ug/l	99
69) o-Xylene	9.468	106	255191	19.346	ug/l	99
70) Styrene	9.487	104	473582	20.178	ug/l	100
71) Bromoform	9.654	173	145493	18.787	ug/l #	99
73) Isopropylbenzene	9.853	105	726176	19.349	ug/l	100
74) N-amyl acetate	9.725	43	262340	16.964	ug/l	99
75) 1,1,2,2-Tetrachloroethane	10.165	83	285417	16.560	ug/l	100
76) 1,2,3-Trichloropropane	10.198	75	208431	16.897	ug/l	98
77) Bromobenzene	10.140	156	194441	18.846	ug/l	99
78) n-propylbenzene	10.278	91	873113	19.173	ug/l	100
79) 2-Chlorotoluene	10.345	91	548766	19.518	ug/l	100
80) 1,3,5-Trimethylbenzene	10.464	105	628719	19.974	ug/l	99
81) trans-1,4-Dichloro-2-b...	9.927	75	86319	17.672	ug/l	99
82) 4-Chlorotoluene	10.461	91	635854	19.676	ug/l	100
83) tert-Butylbenzene	10.789	119	565360	18.088	ug/l	98
84) 1,2,4-Trimethylbenzene	10.841	105	604279	19.501	ug/l	99
85) sec-Butylbenzene	11.011	105	730091	18.475	ug/l	99
86) p-Isopropyltoluene	11.165	119	623275	18.344	ug/l	99
87) 1,3-Dichlorobenzene	11.104	146	392721	19.084	ug/l	98
88) 1,4-Dichlorobenzene	11.197	146	413908	17.972	ug/l	99
89) n-Butylbenzene	11.580	91	544830	17.219	ug/l	99
90) Hexachloroethane	11.818	117	137751	16.396	ug/l	99
91) 1,2-Dichlorobenzene	11.567	146	355117	18.140	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	12.352	75	56405	15.916	ug/l	95
93) 1,2,4-Trichlorobenzene	13.185	180	198152	18.149	ug/l	99
94) Hexachlorobutadiene	13.368	225	79422	14.366	ug/l	98
95) Naphthalene	13.422	128	609877	17.050	ug/l	99
96) 1,2,3-Trichlorobenzene	13.667	180	203858	17.965	ug/l	100

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110425\
Data File : VV039310.D
Acq On : 04 Nov 2025 13:12
Operator : SY/MD
Sample : VV1104WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1104WBSD01

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Quant Time: Nov 05 00:34:59 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 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 :
VV1104WBSD01

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Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VV039282.D	1,1-Dichloropropene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dichlorobenzene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	1,4-Dioxane	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Butanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	2-Hexanone	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	cis-1,2-Dichloroethene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Ethyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methacrylonitrile	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Methyl methacrylate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	N-amyl acetate	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Naphthalene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Styrene	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software
VSTDICC001	VV039282.D	Tetrahydrofuran	sam	10/10/2025 3:00:51 AM	MMdadoda	10/10/2025 4:38:15 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VV100725

Instrument

MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC005	VV039283.D	Ethyl Acetate	sam	10/10/2025 3:00:58 AM	MMdadoda	10/10/2025 4:38:20 AM	Peak Integrated by Software

Manual Integration Report

Sequence:

VV110425

Instrument

MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VV039306.D	1,4-Dioxane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VSTDCCC050	VV039306.D	Dichlorodifluoromethane	Amit	11/5/2025 7:55:44 AM	MMDadoda	11/5/2025 7:56:52 AM	Peak Integrated by Software
VV1104WBS01	VV039309.D	1,4-Dioxane	Amit	11/5/2025 7:55:47 AM	MMDadoda	11/5/2025 7:56:55 AM	Peak Integrated by Software
Q3534-05	VV039318.D	4-Chlorotoluene	Amit	11/5/2025 7:55:58 AM	MMDadoda	11/5/2025 7:57:21 AM	Peak Integrated by Software
Q3534-06	VV039319.D	Tetrahydrofuran	Amit	11/5/2025 7:56:02 AM	MMDadoda	11/5/2025 7:57:24 AM	Peak Integrated by Software
Q3534-07	VV039320.D	Tetrahydrofuran	Amit	11/5/2025 7:56:06 AM	MMDadoda	11/5/2025 7:57:27 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VV110525	Instrument	MSVOA_v
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM		
Supervise By	Maresh Dadoda	Supervise On	10/10/2025 4:38:28 AM		
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds					
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VV039281.D	07 Oct 2025 08:25	SY/MD	Ok
2	VSTDIC001	VV039282.D	07 Oct 2025 09:40	SY/MD	Ok,M
3	VSTDIC005	VV039283.D	07 Oct 2025 10:03	SY/MD	Ok,M
4	VSTDIC010	VV039284.D	07 Oct 2025 10:25	SY/MD	Ok
5	VSTDIC020	VV039285.D	07 Oct 2025 10:47	SY/MD	Ok
6	VSTDIC050	VV039286.D	07 Oct 2025 11:10	SY/MD	Ok
7	VSTDIC100	VV039287.D	07 Oct 2025 11:32	SY/MD	Ok
8	VIBLK	VV039288.D	07 Oct 2025 11:55	SY/MD	Ok
9	VSTDICV050	VV039289.D	07 Oct 2025 12:18	SY/MD	Ok

M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QC Batch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Maresh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136040			
CCC		VP136043,VP136044			
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	VV039305.D	04 Nov 2025 10:24	SY/MD	Ok
2	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	SY/MD	Ok,M
3	VV1104MBL01	VV039307.D	04 Nov 2025 11:52	SY/MD	Ok
4	VV1104WBL01	VV039308.D	04 Nov 2025 12:21	SY/MD	Ok
5	VV1104WBS01	VV039309.D	04 Nov 2025 12:49	SY/MD	Ok,M
6	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12	SY/MD	Ok
7	Q3434-02	VV039311.D	04 Nov 2025 13:49	SY/MD	ReRun
8	Q3434-03	VV039312.D	04 Nov 2025 14:12	SY/MD	Ok
9	Q3434-02RE	VV039313.D	04 Nov 2025 14:34	SY/MD	Confirms
10	Q3521-03	VV039314.D	04 Nov 2025 14:56	SY/MD	Ok
11	VIBLK	VV039315.D	04 Nov 2025 15:32	SY/MD	Ok
12	Q3534-09	VV039316.D	04 Nov 2025 15:54	SY/MD	Ok
13	Q3534-10	VV039317.D	04 Nov 2025 16:17	SY/MD	Ok
14	Q3534-05	VV039318.D	04 Nov 2025 16:39	SY/MD	Ok,M
15	Q3534-06	VV039319.D	04 Nov 2025 17:02	SY/MD	Ok,M
16	Q3534-07	VV039320.D	04 Nov 2025 17:24	SY/MD	Ok,M
17	Q3534-01	VV039321.D	04 Nov 2025 17:47	SY/MD	Ok
18	Q3534-02	VV039322.D	04 Nov 2025 18:09	SY/MD	Ok
19	Q3534-03	VV039323.D	04 Nov 2025 18:32	SY/MD	ReRun
20	Q3534-04	VV039324.D	04 Nov 2025 18:54	SY/MD	Ok
21	VIBLK	VV039325.D	04 Nov 2025 19:17	SY/MD	Ok

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP136040				
CCC	VP136043,VP136044				
Internal Standard/PEM	VP133935				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

22	VSTDCCC050	VV039326.D	04 Nov 2025 19:39	SY/MD	Ok
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M : Manual Integration

Instrument ID: **MSVOA_V**

Daily Analysis Runlog For Sequence/QCBatch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM		
Supervise By	Maresh Dadoda	Supervise On	11/6/2025 11:33:41 AM		
SubDirectory	VV110525	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136055			
CCC		VP136058,VP136059			
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	VV039327.D	05 Nov 2025 10:37	SY/MD	Ok
2	VSTDCCC050	VV039328.D	05 Nov 2025 11:34	SY/MD	Ok
3	VV1105MBL01	VV039329.D	05 Nov 2025 12:06	SY/MD	Ok
4	VV1105WBL01	VV039330.D	05 Nov 2025 12:29	SY/MD	Ok
5	VV1105WBS01	VV039331.D	05 Nov 2025 12:55	SY/MD	Ok
6	VV1105WBSD01	VV039332.D	05 Nov 2025 13:17	SY/MD	Ok
7	Q3534-03	VV039333.D	05 Nov 2025 13:54	SY/MD	Ok
8	Q3541-01	VV039334.D	05 Nov 2025 14:17	SY/MD	Ok
9	Q3537-03	VV039335.D	05 Nov 2025 14:39	SY/MD	Ok
10	VIBLK	VV039336.D	05 Nov 2025 15:18	SY/MD	Ok
11	Q3552-06	VV039337.D	05 Nov 2025 15:50	SY/MD	Ok
12	Q3552-02	VV039338.D	05 Nov 2025 16:13	SY/MD	Ok
13	Q3552-03	VV039339.D	05 Nov 2025 16:35	SY/MD	Ok,M
14	Q3552-04	VV039340.D	05 Nov 2025 16:58	SY/MD	Ok
15	Q3552-05	VV039341.D	05 Nov 2025 17:20	SY/MD	Ok
16	Q3552-01	VV039342.D	05 Nov 2025 17:43	SY/MD	Ok,M
17	VIBLK	VV039343.D	05 Nov 2025 18:05	SY/MD	Ok
18	VIBLK	VV039344.D	05 Nov 2025 18:28	SY/MD	Ok
19	VSTDCCC050	VV039345.D	05 Nov 2025 18:50	SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV100725

Review By	Semsettin Yesilyurt	Review On	10/10/2025 3:01:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	10/10/2025 4:38:28 AM		
SubDirectory	VV100725	HP Acquire Method	8260_V	HP Processing Method	82V100725W.M

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

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VV039281.D	07 Oct 2025 08:25		SY/MD	Ok
2	VSTDICC001	VSTDICC001	VV039282.D	07 Oct 2025 09:40		SY/MD	Ok,M
3	VSTDICC005	VSTDICC005	VV039283.D	07 Oct 2025 10:03		SY/MD	Ok,M
4	VSTDICC010	VSTDICC010	VV039284.D	07 Oct 2025 10:25		SY/MD	Ok
5	VSTDICC020	VSTDICC020	VV039285.D	07 Oct 2025 10:47	Comp. #06,13,16,20,41,58 on Linear Regression	SY/MD	Ok
6	VSTDICCC050	VSTDICCC050	VV039286.D	07 Oct 2025 11:10		SY/MD	Ok
7	VSTDICC100	VSTDICC100	VV039287.D	07 Oct 2025 11:32		SY/MD	Ok
8	VIBLK	VIBLK	VV039288.D	07 Oct 2025 11:55		SY/MD	Ok
9	VSTDICV050	ICV VV100725	VV039289.D	07 Oct 2025 12:18		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136040			
CCC		VP136043,VP136044			
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	VV039305.D	04 Nov 2025 10:24		SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039306.D	04 Nov 2025 11:21	Comp. #02 failed low	SY/MD	Ok,M
3	VV1104MBL01	VV1104MBL01	VV039307.D	04 Nov 2025 11:52		SY/MD	Ok
4	VV1104WBL01	VV1104WBL01	VV039308.D	04 Nov 2025 12:21		SY/MD	Ok
5	VV1104WBS01	VV1104WBS01	VV039309.D	04 Nov 2025 12:49		SY/MD	Ok,M
6	VV1104WBSD01	VV1104WBSD01	VV039310.D	04 Nov 2025 13:12		SY/MD	Ok
7	Q3434-02	PR132-WC2-20251022	VV039311.D	04 Nov 2025 13:49	pH<2A, Surrogate Fail	SY/MD	ReRun
8	Q3434-03	TB	VV039312.D	04 Nov 2025 14:12	pH<2A,TB	SY/MD	Ok
9	Q3434-02RE	PR132-WC2-20251022	VV039313.D	04 Nov 2025 14:34	pH<2B, Surrogate Fail	SY/MD	Confirms
10	Q3521-03	TANK-2025	VV039314.D	04 Nov 2025 14:56		SY/MD	Ok
11	VIBLK	VIBLK	VV039315.D	04 Nov 2025 15:32		SY/MD	Ok
12	Q3534-09	FB-1	VV039316.D	04 Nov 2025 15:54	pH<2A ,FB	SY/MD	Ok
13	Q3534-10	EB-1	VV039317.D	04 Nov 2025 16:17	pH<2A ,EB	SY/MD	Ok
14	Q3534-05	MW-EB-1	VV039318.D	04 Nov 2025 16:39	pH<2A	SY/MD	Ok,M
15	Q3534-06	MW-EB-2	VV039319.D	04 Nov 2025 17:02	pH<2A	SY/MD	Ok,M
16	Q3534-07	MW-EB-3	VV039320.D	04 Nov 2025 17:24	pH<2A	SY/MD	Ok,M
17	Q3534-01	MW-6	VV039321.D	04 Nov 2025 17:47	pH<2A	SY/MD	Ok
18	Q3534-02	MW-1	VV039322.D	04 Nov 2025 18:09	pH<2A	SY/MD	Ok

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV110425

Review By	Amit Patel	Review On	11/5/2025 7:56:25 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/5/2025 7:57:34 AM		
SubDirectory	VV110425	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.m
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP136040				
CCC	VP136043,VP136044				
Internal Standard/PEM	VP133935				
ICV/I.BLK					
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

19	Q3534-03	MW-11	VV039323.D	04 Nov 2025 18:32	pH<2A ,Surrogate Fail	SY/MD	ReRun
20	Q3534-04	MW-5	VV039324.D	04 Nov 2025 18:54	pH<2A	SY/MD	Ok
21	VIBLK	VIBLK	VV039325.D	04 Nov 2025 19:17		SY/MD	Ok
22	VSTDCCC050	VSTDCCC050EC	VV039326.D	04 Nov 2025 19:39		SY/MD	Ok

M : Manual Integration

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 11:33:41 AM		
SubDirectory	VV110525	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136055			
CCC		VP136058,VP136059			
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	VV039327.D	05 Nov 2025 10:37	pH#lot#v14222	SY/MD	Ok
2	VSTDCCC050	VSTDCCC050	VV039328.D	05 Nov 2025 11:34	CCC failed Low For Com.#02	SY/MD	Ok
3	VV1105MBL01	VV1105MBL01	VV039329.D	05 Nov 2025 12:06		SY/MD	Ok
4	VV1105WBL01	VV1105WBL01	VV039330.D	05 Nov 2025 12:29		SY/MD	Ok
5	VV1105WBS01	VV1105WBS01	VV039331.D	05 Nov 2025 12:55		SY/MD	Ok
6	VV1105WBSD01	VV1105WBSD01	VV039332.D	05 Nov 2025 13:17		SY/MD	Ok
7	Q3534-03	MW-11	VV039333.D	05 Nov 2025 13:54	pH<2.0 B	SY/MD	Ok
8	Q3541-01	N48969	VV039334.D	05 Nov 2025 14:17	pH<2.0 B	SY/MD	Ok
9	Q3537-03	MW-17-PURGE-WATE	VV039335.D	05 Nov 2025 14:39	pH<2.0 B	SY/MD	Ok
10	VIBLK	VIBLK	VV039336.D	05 Nov 2025 15:18		SY/MD	Ok
11	Q3552-06	TB	VV039337.D	05 Nov 2025 15:50	pH<2.0 A ,TB	SY/MD	Ok
12	Q3552-02	MW-8	VV039338.D	05 Nov 2025 16:13	pH<2.0 A	SY/MD	Ok
13	Q3552-03	MW-9	VV039339.D	05 Nov 2025 16:35	pH<2.0 A	SY/MD	Ok,M
14	Q3552-04	MW-10	VV039340.D	05 Nov 2025 16:58	pH<2.0 A	SY/MD	Ok
15	Q3552-05	MW-3	VV039341.D	05 Nov 2025 17:20	pH<2.0 A	SY/MD	Ok
16	Q3552-01	MW-4	VV039342.D	05 Nov 2025 17:43	pH<2.0 A	SY/MD	Ok,M
17	VIBLK	VIBLK	VV039343.D	05 Nov 2025 18:05		SY/MD	Ok
18	VIBLK	VIBLK	VV039344.D	05 Nov 2025 18:28		SY/MD	Ok

Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QC Batch ID # VV110525

Review By	Amit Patel	Review On	11/6/2025 11:33:11 AM		
Supervise By	Mahesh Dadoda	Supervise On	11/6/2025 11:33:41 AM		
SubDirectory	VV110525	HP Acquire Method	MSVOA_V	HP Processing Method	82V100725W.M

STD. NAME	STD REF.#
Tune/Reschk Initial Calibration Stds	VP136055
CCC	VP136058,VP136059
Internal Standard/PEM	VP133935
ICV/I.BLK	
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

19	VSTDCCC050	VSTDCCC050EC	VV039345.D	05 Nov 2025 18:50		SY/MD	Ok
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M : Manual Integration

A
B
C
D
E
F
G
H
I
J

LAB CHRONICLE

OrderID:	Q3534	OrderDate:	11/4/2025 1:29:44 PM
Client:	Remington & Vernick Engineers	Project:	Edison Landfill
Contact:	Kyle Carlson	Location:	D31,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3534-01	MW-6	Water	VOC-TCLVOA-10	8260-Low	11/03/25		11/04/25	11/04/25
Q3534-02	MW-1	Water	VOC-TCLVOA-10	8260-Low	11/03/25		11/04/25	11/04/25
Q3534-03	MW-11	Water	VOC-TCLVOA-10	8260-Low	11/03/25		11/05/25	11/04/25
Q3534-04	MW-5	Water	VOC-TCLVOA-10	8260-Low	11/04/25		11/04/25	11/04/25
Q3534-05	MW-EB-1	Water	VOC-TCLVOA-10	8260-Low	11/03/25		11/04/25	11/04/25
Q3534-06	MW-EB-2	Water	VOC-TCLVOA-10	8260-Low	11/04/25		11/04/25	11/04/25
Q3534-07	MW-EB-3	Water	VOC-TCLVOA-10	8260-Low	11/03/25		11/04/25	11/04/25
Q3534-09	FB-1	Water	VOC-TCLVOA-10	8260-Low	11/04/25		11/04/25	11/04/25
Q3534-10	EB-1	Water	VOC-TCLVOA-10	8260-Low	11/04/25		11/04/25	11/04/25