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

Hit Summary Sheet
SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Client ID:	**MW-4**								
Q3552-01	MW-4	Water	Dichlorodifluoromethane		1.60		0.22	1.00	ug/L
Q3552-01	MW-4	Water	Methyl tert-butyl Ether		1.10		0.16	1.00	ug/L
Q3552-01	MW-4	Water	Benzene		45.7		0.15	1.00	ug/L
Q3552-01	MW-4	Water	Toluene		0.57	J	0.14	1.00	ug/L
Q3552-01	MW-4	Water	Chlorobenzene		29.6		0.12	1.00	ug/L
Q3552-01	MW-4	Water	o-Xylene		1.70		0.12	1.00	ug/L
Q3552-01	MW-4	Water	Isopropylbenzene		68.6		0.12	1.00	ug/L
Q3552-01	MW-4	Water	1,3-Dichlorobenzene		0.61	J	0.16	1.00	ug/L
Q3552-01	MW-4	Water	1,4-Dichlorobenzene		7.40		0.19	1.00	ug/L
Q3552-01	MW-4	Water	1,2-Dichlorobenzene		0.85	J	0.16	1.00	ug/L
			Total Voc :		158				
Q3552-01	MW-4	Water	Thiophene, tetrahydro-	*	54.2	J	0	0	ug/L
Q3552-01	MW-4	Water	7-Oxabicyclo[2.2.1]heptane, 1-	*	5.80	J	0	0	ug/L
Q3552-01	MW-4	Water	Tetrahydrofuran	*	89.8	J	0.99	5.00	ug/L
Q3552-01	MW-4	Water	Tert butyl alcohol	*	610	J	5.50	25.0	ug/L
Q3552-01	MW-4	Water	Diethyl Ether	*	9.50	J	0.31	1.00	ug/L
Q3552-01	MW-4	Water	n-propylbenzene	*	2.80	J	0.13	1.00	ug/L
Q3552-01	MW-4	Water	2-Chlorotoluene	*	0.73	J	0.14	1.00	ug/L
Q3552-01	MW-4	Water	n-Butylbenzene	*	0.68	J	0.15	1.00	ug/L
			Total Tics :		774				
			Total Concentration:		931				
Client ID:	**MW-9**								
Q3552-03	MW-9	Water	Chloroethane		2.50		0.47	1.00	ug/L
Q3552-03	MW-9	Water	Methyl tert-butyl Ether		0.71	J	0.16	1.00	ug/L
Q3552-03	MW-9	Water	Benzene		15.1		0.15	1.00	ug/L
Q3552-03	MW-9	Water	Toluene		0.48	J	0.14	1.00	ug/L
Q3552-03	MW-9	Water	Chlorobenzene		27.0		0.12	1.00	ug/L
Q3552-03	MW-9	Water	m/p-Xylenes		0.38	J	0.24	2.00	ug/L
Q3552-03	MW-9	Water	o-Xylene		0.99	J	0.12	1.00	ug/L
Q3552-03	MW-9	Water	Isopropylbenzene		1.30		0.12	1.00	ug/L
Q3552-03	MW-9	Water	1,4-Dichlorobenzene		5.10		0.19	1.00	ug/L
			Total Voc :		53.6				
Q3552-03	MW-9	Water	Tetrahydrofuran	*	26.2	J	0.99	5.00	ug/L
Q3552-03	MW-9	Water	Tert butyl alcohol	*	170	J	5.50	25.0	ug/L
Q3552-03	MW-9	Water	Diethyl Ether	*	5.10	J	0.31	1.00	ug/L
Q3552-03	MW-9	Water	n-propylbenzene	*	0.58	J	0.13	1.00	ug/L

284 Sheffield Street, Mountainside, New Jersey 07092, Phone : 908 789 8900,
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Hit Summary Sheet
SW-846

SDG No.: Q3552

Client: Remington & Vernick Engineers

Sample ID	Client ID	Matrix	Parameter		Concentration	C	MDL	RDL	Units
Q3552-03	MW-9	Water	Diisopropyl ether	*	0.37	J	0.15	1.00	ug/L
			Total Tics :		202				
			Total Concentration:		256				
Client ID:	**MW-3**								
Q3552-05	MW-3	Water	Dichlorodifluoromethane		0.58	J	0.22	1.00	ug/L
Q3552-05	MW-3	Water	Methyl tert-butyl Ether		0.30	J	0.16	1.00	ug/L
Q3552-05	MW-3	Water	Chlorobenzene		3.20		0.12	1.00	ug/L
Q3552-05	MW-3	Water	Isopropylbenzene		4.40		0.12	1.00	ug/L
Q3552-05	MW-3	Water	1,4-Dichlorobenzene		1.30		0.19	1.00	ug/L
			Total Voc :		9.78				
Q3552-05	MW-3	Water	Tetrahydrofuran	*	14.8	J	0.99	5.00	ug/L
Q3552-05	MW-3	Water	Tert butyl alcohol	*	100	J	5.50	25.0	ug/L
Q3552-05	MW-3	Water	Diethyl Ether	*	1.80	J	0.31	1.00	ug/L
			Total Tics :		117				
			Total Concentration:		126				

SAMPLE DATA

Raw Data: **VV039342.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-4	SDG No.:	Q3552
Lab Sample ID:	Q3552-01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	1.60		1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 17:43	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:43	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 17:43	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 17:43	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 17:43	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:43	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:43	VV110525
1634-04-4	Methyl tert-butyl Ether	1.10		1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 17:43	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 17:43	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:43	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 17:43	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:43	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:43	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
71-43-2	Benzene	45.7		1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 17:43	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:43	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 17:43	VV110525
108-88-3	Toluene	0.57	J	1	0.14	1.00	ug/L	11/05/25 17:43	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 17:43	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:43	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 17:43	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 17:43	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:43	VV110525
108-90-7	Chlorobenzene	29.6		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 17:43	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 17:43	VV110525
95-47-6	o-Xylene	1.70		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:43	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:43	VV110525

Raw Data: **VV039342.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-4	SDG No.:	Q3552
Lab Sample ID:	Q3552-01	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	68.6		1	0.12	1.00	ug/L	11/05/25 17:43	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:43	VV110525
541-73-1	1,3-Dichlorobenzene	0.61	J	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
106-46-7	1,4-Dichlorobenzene	7.40		1	0.19	1.00	ug/L	11/05/25 17:43	VV110525
95-50-1	1,2-Dichlorobenzene	0.85	J	1	0.16	1.00	ug/L	11/05/25 17:43	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 17:43	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:43	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.9			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.9			70 (75) - 130 (124)	102%	SPK: 50		
2037-26-5	Toluene-d8	47.7			70 (86) - 130 (113)	95%	SPK: 50		
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	699000							
540-36-3	1,4-Difluorobenzene	1270000							
3114-55-4	Chlorobenzene-d5	1250000							
3855-82-1	1,4-Dichlorobenzene-d4	612000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	9.50	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	610	J			2.56	ug/L		
109-99-9	Tetrahydrofuran	89.8	J			4.24	ug/L		
000110-01-0	Thiophene, tetrahydro-	54.2	J			8.13	ug/L		
103-65-1	n-propylbenzene	2.80	J			10.3	ug/L		
95-49-8	2-Chlorotoluene	0.73	J			10.4	ug/L		
000470-67-7	7-Oxabicyclo[2.2.1]heptane, 1-meth	5.80	J			11.0	ug/L		
104-51-8	n-Butylbenzene	0.68	J			11.6	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

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-8	SDG No.:	Q3552
Lab Sample ID:	Q3552-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 16:13	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:13	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:13	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:13	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 16:13	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:13	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:13	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:13	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:13	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:13	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:13	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:13	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:13	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:13	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:13	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:13	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 16:13	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:13	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:13	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:13	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:13	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:13	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:13	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:13	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 16:13	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:13	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:13	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525

Raw Data: **VV039338.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-8	SDG No.:	Q3552
Lab Sample ID:	Q3552-02	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 16:13	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:13	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:13	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:13	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:13	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:13	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	59.1			70 (74) - 130 (125)	118%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.7			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	46.4			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	44.1			70 (77) - 130 (121)	88%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	905000							
540-36-3	1,4-Difluorobenzene	1740000							
3114-55-4	Chlorobenzene-d5	1630000							
3855-82-1	1,4-Dichlorobenzene-d4	725000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VV039339.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-9	SDG No.:	Q3552
Lab Sample ID:	Q3552-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 16:35	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:35	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:35	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:35	VV110525
75-00-3	Chloroethane	2.50		1	0.47	1.00	ug/L	11/05/25 16:35	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:35	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:35	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:35	VV110525
1634-04-4	Methyl tert-butyl Ether	0.71	J	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:35	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:35	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:35	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:35	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:35	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:35	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
71-43-2	Benzene	15.1		1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:35	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:35	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:35	VV110525
108-88-3	Toluene	0.48	J	1	0.14	1.00	ug/L	11/05/25 16:35	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:35	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:35	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:35	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:35	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:35	VV110525
108-90-7	Chlorobenzene	27.0		1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:35	VV110525
179601-23-1	m/p-Xylenes	0.38	J	1	0.24	2.00	ug/L	11/05/25 16:35	VV110525
95-47-6	o-Xylene	0.99	J	1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:35	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:35	VV110525

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-9	SDG No.:	Q3552
Lab Sample ID:	Q3552-03	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	1.30		1	0.12	1.00	ug/L	11/05/25 16:35	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:35	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
106-46-7	1,4-Dichlorobenzene	5.10		1	0.19	1.00	ug/L	11/05/25 16:35	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:35	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:35	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:35	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	54.1			70 (74) - 130 (125)	108%	SPK: 50		
1868-53-7	Dibromofluoromethane	49.1			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	44.9			70 (86) - 130 (113)	90%	SPK: 50		
460-00-4	4-Bromofluorobenzene	45.7			70 (77) - 130 (121)	91%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	678000							
540-36-3	1,4-Difluorobenzene	1220000							
3114-55-4	Chlorobenzene-d5	1160000							
3855-82-1	1,4-Dichlorobenzene-d4	567000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	5.10	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	170	J			2.56	ug/L		
108-20-3	Diisopropyl ether	0.37	J			3.22	ug/L		
109-99-9	Tetrahydrofuran	26.2	J			4.24	ug/L		
103-65-1	n-propylbenzene	0.58	J			10.3	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

Raw Data: **VV039340.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-10	SDG No.:	Q3552
Lab Sample ID:	Q3552-04	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 16:58	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 16:58	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:58	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 16:58	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 16:58	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 16:58	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:58	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:58	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 16:58	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 16:58	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 16:58	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 16:58	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 16:58	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 16:58	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 16:58	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 16:58	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 16:58	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 16:58	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 16:58	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 16:58	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 16:58	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 16:58	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:58	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 16:58	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 16:58	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 16:58	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 16:58	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525

Raw Data: **VV039340.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-10	SDG No.:	Q3552
Lab Sample ID:	Q3552-04	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 16:58	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 16:58	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 16:58	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 16:58	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 16:58	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 16:58	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.0			70 (74) - 130 (125)	114%	SPK: 50		
1868-53-7	Dibromofluoromethane	50.1			70 (75) - 130 (124)	100%	SPK: 50		
2037-26-5	Toluene-d8	45.6			70 (86) - 130 (113)	91%	SPK: 50		
460-00-4	4-Bromofluorobenzene	42.1			70 (77) - 130 (121)	84%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	603000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1060000							
3855-82-1	1,4-Dichlorobenzene-d4	465000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

Raw Data: **VV039341.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-3	SDG No.:	Q3552
Lab Sample ID:	Q3552-05	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.58	J	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 17:20	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:20	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 17:20	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 17:20	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 17:20	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:20	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:20	VV110525
1634-04-4	Methyl tert-butyl Ether	0.30	J	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 17:20	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 17:20	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 17:20	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 17:20	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:20	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 17:20	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 17:20	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 17:20	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 17:20	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 17:20	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 17:20	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 17:20	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 17:20	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 17:20	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 17:20	VV110525
108-90-7	Chlorobenzene	3.20		1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 17:20	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 17:20	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 17:20	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 17:20	VV110525

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/04/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	MW-3	SDG No.:	Q3552
Lab Sample ID:	Q3552-05	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	4.40		1	0.12	1.00	ug/L	11/05/25 17:20	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 17:20	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
106-46-7	1,4-Dichlorobenzene	1.30		1	0.19	1.00	ug/L	11/05/25 17:20	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 17:20	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 17:20	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 17:20	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	55.9			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.8			70 (75) - 130 (124)	98%	SPK: 50		
2037-26-5	Toluene-d8	46.5			70 (86) - 130 (113)	93%	SPK: 50		
460-00-4	4-Bromofluorobenzene	48.9			70 (77) - 130 (121)	98%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	930000							
540-36-3	1,4-Difluorobenzene	1730000							
3114-55-4	Chlorobenzene-d5	1620000							
3855-82-1	1,4-Dichlorobenzene-d4	754000							
TENTATIVE IDENTIFIED COMPOUNDS									
60-29-7	Diethyl Ether	1.80	J			1.92	ug/L		
75-65-0	Tert butyl alcohol	100	J			2.56	ug/L		
109-99-9	Tetrahydrofuran	14.8	J			4.24	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

Raw Data: **VV039337.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	TB	SDG No.:	Q3552
Lab Sample ID:	Q3552-06	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 15:50	VV110525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/05/25 15:50	VV110525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/05/25 15:50	VV110525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/05/25 15:50	VV110525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/05/25 15:50	VV110525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/05/25 15:50	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/05/25 15:50	VV110525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/05/25 15:50	VV110525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/05/25 15:50	VV110525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/05/25 15:50	VV110525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/05/25 15:50	VV110525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/05/25 15:50	VV110525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/05/25 15:50	VV110525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/05/25 15:50	VV110525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/05/25 15:50	VV110525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/05/25 15:50	VV110525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/05/25 15:50	VV110525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/05/25 15:50	VV110525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/05/25 15:50	VV110525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/05/25 15:50	VV110525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/05/25 15:50	VV110525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/05/25 15:50	VV110525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/05/25 15:50	VV110525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/05/25 15:50	VV110525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/05/25 15:50	VV110525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/05/25 15:50	VV110525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/05/25 15:50	VV110525
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525

Raw Data: **VV039337.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	11/05/25
Project:	Edison Landfill	Date Received:	11/05/25
Client Sample ID:	TB	SDG No.:	Q3552
Lab Sample ID:	Q3552-06	Matrix:	Water
Analytical Method:	8260D Level: LOW	% Solid:	0
Sample Wt/Vol:	5 mL Final Vol: 5000 uL	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 15:50	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/05/25 15:50	VV110525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/05/25 15:50	VV110525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/05/25 15:50	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/05/25 15:50	VV110525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/05/25 15:50	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	48.3			70 (75) - 130 (124)	97%	SPK: 50		
2037-26-5	Toluene-d8	46.9			70 (86) - 130 (113)	94%	SPK: 50		
460-00-4	4-Bromofluorobenzene	43.5			70 (77) - 130 (121)	87%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	857000							
540-36-3	1,4-Difluorobenzene	1640000							
3114-55-4	Chlorobenzene-d5	1500000							
3855-82-1	1,4-Dichlorobenzene-d4	662000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

QC SUMMARY

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

Surrogate Summary

SDG No.: Q3552

Client: Remington & Vernick Engineers

Analytical Method: SW8260-Low

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%) Low	Limits (%) High
Q3552-01	MW-4	1,2-Dichloroethane-d4	50	56.9	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.9	102		70 (75)	130 (124)
		Toluene-d8	50	47.7	95		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q3552-02	MW-8	1,2-Dichloroethane-d4	50	59.1	118		70 (74)	130 (125)
		Dibromofluoromethane	50	48.7	97		70 (75)	130 (124)
		Toluene-d8	50	46.4	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	44.1	88		70 (77)	130 (121)
Q3552-03	MW-9	1,2-Dichloroethane-d4	50	54.1	108		70 (74)	130 (125)
		Dibromofluoromethane	50	49.1	98		70 (75)	130 (124)
		Toluene-d8	50	44.9	90		70 (86)	130 (113)
		4-Bromofluorobenzene	50	45.7	91		70 (77)	130 (121)
Q3552-04	MW-10	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	50.1	100		70 (75)	130 (124)
		Toluene-d8	50	45.6	91		70 (86)	130 (113)
		4-Bromofluorobenzene	50	42.1	84		70 (77)	130 (121)
Q3552-05	MW-3	1,2-Dichloroethane-d4	50	55.9	112		70 (74)	130 (125)
		Dibromofluoromethane	50	48.8	98		70 (75)	130 (124)
		Toluene-d8	50	46.5	93		70 (86)	130 (113)
		4-Bromofluorobenzene	50	48.9	98		70 (77)	130 (121)
Q3552-06	TB	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	48.3	97		70 (75)	130 (124)
		Toluene-d8	50	46.9	94		70 (86)	130 (113)
		4-Bromofluorobenzene	50	43.5	87		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)
		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)
VV1105WBSD0	VV1105WBSD01	1,2-Dichloroethane-d4	50	52.0	104		70 (74)	130 (125)
		Dibromofluoromethane	50	51.5	103		70 (75)	130 (124)
		Toluene-d8	50	53.8	108		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.1	108		70 (77)	130 (121)

( ) = LABORATORY INHOUSE LIMIT

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

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits 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

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Fax : 908 789 8922

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039331.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits 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)	

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039332.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1105WBSD01	Dichlorodifluoromethane	20	16.8	ug/L	84	1		40 (69)	160 (116)	20 (19)
	Chloromethane	20	17.6	ug/L	88	1		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	17.9	ug/L	90	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	17.9	ug/L	90	3		40 (58)	160 (125)	20 (20)
	Chloroethane	20	21.4	ug/L	107	3		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.4	ug/L	92	2		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	19.1	ug/L	96	0		70 (80)	130 (112)	20 (15)
	1,1-Dichloroethene	20	18.0	ug/L	90	2		70 (74)	130 (110)	20 (20)
	Acetone	100	110	ug/L	110	10		40 (60)	160 (125)	20 (20)
	Carbon disulfide	20	18.2	ug/L	91	1		40 (64)	160 (112)	20 (20)
	Methyl tert-butyl Ether	20	19.9	ug/L	100	6		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	17.0	ug/L	85	4		70 (67)	130 (125)	20 (20)
	Methylene Chloride	20	21.5	ug/L	108	3		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	18.6	ug/L	93	0		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.1	ug/L	96	2		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	20.2	ug/L	101	1		70 (75)	130 (110)	20 (20)
	2-Butanone	100	100	ug/L	100	5		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	19.6	ug/L	98	0		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.9	ug/L	100	2		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	19.9	ug/L	100	3		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.3	ug/L	97	1		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.1	ug/L	96	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	19.5	ug/L	98	1		70 (72)	130 (115)	20 (20)
	Benzene	20	20.0	ug/L	100	2		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.3	ug/L	97	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.5	ug/L	98	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	20.8	ug/L	104	0		70 (83)	130 (111)	20 (16)
	Bromodichloromethane	20	19.6	ug/L	98	1		70 (83)	130 (110)	20 (16)
	4-Methyl-2-Pentanone	100	100	ug/L	100	0		40 (74)	160 (118)	20 (25)
	Toluene	20	21.3	ug/L	106	2		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	20.7	ug/L	104	3		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	20.9	ug/L	104	0		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.3	ug/L	102	3		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	110	ug/L	110	10		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.0	ug/L	100	0		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	20.1	ug/L	101	0		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	20.1	ug/L	101	0		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	20.1	ug/L	101	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	20.4	ug/L	102	0		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	43.2	ug/L	108	1		70 (82)	130 (110)	20 (15)
	o-Xylene	20	21.4	ug/L	107	3		70 (83)	130 (109)	20 (20)
	Styrene	20	22.1	ug/L	111	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	19.7	ug/L	99	0		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	21.0	ug/L	105	1		70 (83)	130 (112)	20 (29)
	1,1,2,2-Tetrachloroethane	20	18.1	ug/L	91	1		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	20.0	ug/L	100	0		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.2	ug/L	96	2		70 (82)	130 (107)	20 (15)
	1,2-Dichlorobenzene	20	19.5	ug/L	98	2		70 (82)	130 (109)	20 (20)

( ) = LABORATORY INHOUSE LIMIT

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Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.: Q3552 **Analytical Method:** SW8260-Low

Client: Remington & Vernick Engineers **Datafile :** VV039332.D

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Limits Low	Limits High	Limits RPD
VV1105WBSD01	1,2-Dibromo-3-Chloropropane	20	17.4	ug/L	87	1		40 (68)	160 (112)	20 (20)
	1,2,4-Trichlorobenzene	20	19.8	ug/L	99	1		70 (75)	130 (113)	20 (29)
	1,2,3-Trichlorobenzene	20	19.5	ug/L	98	0		70 (76)	130 (114)	20 (29)

( ) = LABORATORY INHOUSE LIMIT

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VOLATILE METHOD BLANK SUMMARY

Client ID: VV1105WBL01

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3552

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
VV1105WBSD01	VV1105WBSD01	VV039332.D	11/05/2025
TB	Q3552-06	VV039337.D	11/05/2025
MW-8	Q3552-02	VV039338.D	11/05/2025
MW-9	Q3552-03	VV039339.D	11/05/2025
MW-10	Q3552-04	VV039340.D	11/05/2025
MW-3	Q3552-05	VV039341.D	11/05/2025
MW-4	Q3552-01	VV039342.D	11/05/2025

COMMENTS:

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3552

Lab File ID: VV039281.D | BFB Injection Date: 10/07/2025

Instrument ID: MSVOA_V | BFB Injection Time: 08:25

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	16.4
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
VSTDICC001	VSTDICC001	VV039282.D	10/07/2025	09:40
VSTDICC005	VSTDICC005	VV039283.D	10/07/2025	10:03
VSTDICC010	VSTDICC010	VV039284.D	10/07/2025	10:25
VSTDICC020	VSTDICC020	VV039285.D	10/07/2025	10:47
VSTDICCC050	VSTDICCC050	VV039286.D	10/07/2025	11:10
VSTDICC100	VSTDICC100	VV039287.D	10/07/2025	11:32

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VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance | Contract: REMI02

Lab Code: ACE | SDG NO.: Q3552

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
VV1105WBSD01	VV1105WBSD01	VV039332.D	11/05/2025	13:17
TB	Q3552-06	VV039337.D	11/05/2025	15:50
MW-8	Q3552-02	VV039338.D	11/05/2025	16:13
MW-9	Q3552-03	VV039339.D	11/05/2025	16:35
MW-10	Q3552-04	VV039340.D	11/05/2025	16:58
MW-3	Q3552-05	VV039341.D	11/05/2025	17:20
MW-4	Q3552-01	VV039342.D	11/05/2025	17:43

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3552

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-4	698591	4.60	1269452	5.53	1250476	8.77
MW-8	905091	4.60	1744740	5.53	1630594	8.77
MW-9	677683	4.60	1221893	5.53	1164477	8.77
MW-10	602545	4.60	1106968	5.53	1064655	8.77
MW-3	929578	4.60	1730000	5.53	1622898	8.77
TB	856878	4.60	1636404	5.53	1498704	8.77
VV1105WBL01	856812	4.60	1628447	5.53	1466262	8.77
VV1105WBS01	708659	4.60	1110235	5.53	1080434	8.77
VV1105WBSD01	690271	4.60	1108460	5.53	1064992	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.

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VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG NO.: Q3552

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

	IS4 AREA #	RT #				
12 HOUR STD	575078	11.172				
UPPER LIMIT	1150160	11.672				
LOWER LIMIT	287539	10.672				
EPA SAMPLE NO.						
MW-4	611666	11.17				
MW-8	725279	11.17				
MW-9	566941	11.17				
MW-10	465301	11.17				
MW-3	753769	11.17				
TB	661803	11.17				
VV1105WBL01	623984	11.17				
VV1105WBS01	614058	11.17				
VV1105WBSD01	609759	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

Raw Data: **VV039330.D**

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

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VV1105WBL01	SDG No.:	Q3552
Lab Sample ID:	VV1105WBL01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	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

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBL01			SDG No.:	Q3552
Lab Sample ID:	VV1105WBL01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	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		**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

Raw Data: **VV039331.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBS01			SDG No.:	Q3552
Lab Sample ID:	VV1105WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	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

Raw Data: **VV039331.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBS01			SDG No.:	Q3552
Lab Sample ID:	VV1105WBS01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	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		**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

Raw Data: **VV039332.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers	Date Collected:	
Project:	Edison Landfill	Date Received:	
Client Sample ID:	VV1105WBSD01	SDG No.:	Q3552
Lab Sample ID:	VV1105WBSD01	Matrix:	Water
Analytical Method:	8260D	Level: LOW	% Solid: 0
Sample Wt/Vol:	5 mL	Final Vol: 5000 uL	Test: VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	16.8		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
74-87-3	Chloromethane	17.6		1	0.32	1.00	ug/L	11/05/25 13:17	VV110525
75-01-4	Vinyl Chloride	17.9		1	0.26	1.00	ug/L	11/05/25 13:17	VV110525
74-83-9	Bromomethane	17.9		1	1.40	5.00	ug/L	11/05/25 13:17	VV110525
75-00-3	Chloroethane	21.4		1	0.47	1.00	ug/L	11/05/25 13:17	VV110525
75-69-4	Trichlorofluoromethane	18.4		1	0.33	1.00	ug/L	11/05/25 13:17	VV110525
76-13-1	1,1,2-Trichlorotrifluoroethane	19.1		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
75-35-4	1,1-Dichloroethene	18.0		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
67-64-1	Acetone	110		1	1.50	5.00	ug/L	11/05/25 13:17	VV110525
75-15-0	Carbon Disulfide	18.2		1	0.21	1.00	ug/L	11/05/25 13:17	VV110525
1634-04-4	Methyl tert-butyl Ether	19.9		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
79-20-9	Methyl Acetate	17.0		1	0.27	1.00	ug/L	11/05/25 13:17	VV110525
75-09-2	Methylene Chloride	21.5		1	0.28	1.00	ug/L	11/05/25 13:17	VV110525
156-60-5	trans-1,2-Dichloroethene	18.6		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
75-34-3	1,1-Dichloroethane	19.1		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
110-82-7	Cyclohexane	20.2		1	1.50	5.00	ug/L	11/05/25 13:17	VV110525
78-93-3	2-Butanone	100		1	0.98	5.00	ug/L	11/05/25 13:17	VV110525
56-23-5	Carbon Tetrachloride	19.6		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
156-59-2	cis-1,2-Dichloroethene	19.9		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525
74-97-5	Bromochloromethane	19.9		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
67-66-3	Chloroform	19.3		1	0.25	1.00	ug/L	11/05/25 13:17	VV110525
71-55-6	1,1,1-Trichloroethane	19.1		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
108-87-2	Methylcyclohexane	19.5		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
71-43-2	Benzene	20.0		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
107-06-2	1,2-Dichloroethane	19.3		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
79-01-6	Trichloroethene	19.5		1	0.090	1.00	ug/L	11/05/25 13:17	VV110525
78-87-5	1,2-Dichloropropane	20.8		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
75-27-4	Bromodichloromethane	19.6		1	0.22	1.00	ug/L	11/05/25 13:17	VV110525
108-10-1	4-Methyl-2-Pentanone	100		1	0.68	5.00	ug/L	11/05/25 13:17	VV110525
108-88-3	Toluene	21.3		1	0.14	1.00	ug/L	11/05/25 13:17	VV110525
10061-02-6	t-1,3-Dichloropropene	20.7		1	0.17	1.00	ug/L	11/05/25 13:17	VV110525
10061-01-5	cis-1,3-Dichloropropene	20.9		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
79-00-5	1,1,2-Trichloroethane	20.3		1	0.21	1.00	ug/L	11/05/25 13:17	VV110525
591-78-6	2-Hexanone	110		1	0.89	5.00	ug/L	11/05/25 13:17	VV110525
124-48-1	Dibromochloromethane	20.0		1	0.18	1.00	ug/L	11/05/25 13:17	VV110525
106-93-4	1,2-Dibromoethane	20.1		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
127-18-4	Tetrachloroethene	20.1		1	0.23	1.00	ug/L	11/05/25 13:17	VV110525
108-90-7	Chlorobenzene	20.1		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
100-41-4	Ethyl Benzene	20.4		1	0.13	1.00	ug/L	11/05/25 13:17	VV110525
179601-23-1	m/p-Xylenes	43.2		1	0.24	2.00	ug/L	11/05/25 13:17	VV110525
95-47-6	o-Xylene	21.4		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
100-42-5	Styrene	22.1		1	0.15	1.00	ug/L	11/05/25 13:17	VV110525
75-25-2	Bromoform	19.7		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525

Raw Data: **VV039332.D**

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

Report of Analysis

Client:	Remington & Vernick Engineers			Date Collected:	
Project:	Edison Landfill			Date Received:	
Client Sample ID:	VV1105WBSD01			SDG No.:	Q3552
Lab Sample ID:	VV1105WBSD01			Matrix:	Water
Analytical Method:	8260D	Level:	LOW	% Solid:	0
Sample Wt/Vol:	5 mL	Final Vol:	5000 uL	Test:	VOC-TCLVOA-10

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
98-82-8	Isopropylbenzene	21.0		1	0.12	1.00	ug/L	11/05/25 13:17	VV110525
79-34-5	1,1,2,2-Tetrachloroethane	18.1		1	0.26	1.00	ug/L	11/05/25 13:17	VV110525
541-73-1	1,3-Dichlorobenzene	20.0		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
106-46-7	1,4-Dichlorobenzene	19.2		1	0.19	1.00	ug/L	11/05/25 13:17	VV110525
95-50-1	1,2-Dichlorobenzene	19.5		1	0.16	1.00	ug/L	11/05/25 13:17	VV110525
96-12-8	1,2-Dibromo-3-Chloropropane	17.4		1	0.53	1.00	ug/L	11/05/25 13:17	VV110525
120-82-1	1,2,4-Trichlorobenzene	19.8		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
87-61-6	1,2,3-Trichlorobenzene	19.5		1	0.20	1.00	ug/L	11/05/25 13:17	VV110525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.0			70 (74) - 130 (125)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	51.5			70 (75) - 130 (124)	103%	SPK: 50		
2037-26-5	Toluene-d8	53.8			70 (86) - 130 (113)	108%	SPK: 50		
460-00-4	4-Bromofluorobenzene	54.1			70 (77) - 130 (121)	108%	SPK: 50		
INTERNAL STANDARDS		**Area Count**							
363-72-4	Pentafluorobenzene	690000							
540-36-3	1,4-Difluorobenzene	1110000							
3114-55-4	Chlorobenzene-d5	1060000							
3855-82-1	1,4-Dichlorobenzene-d4	610000							

U = Not Detected
LOQ = Limit of Quantitation
MDL = Method Detection Limit
LOD = Limit of Detection
E = Value Exceeds Calibration Range
Q = indicates LCS control criteria did not meet requirements
M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value
B = Analyte Found in Associated Method Blank
N = Presumptive Evidence of a Compound
* = Values outside of QC limits
D = Dilution
() = Laboratory InHouse Limit
A = Aldol-Condensation Reaction Products

CALIBRATION SUMMARY

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3552

Instrument ID: MSVOA_V Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 11:32

GC Column: DB-624UI ID: 0.18 (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	$\overline{RRF}$	% 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.

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3552

Instrument ID: MSVOA_V Calibration Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Calibration Time(s): 09:40 11:32

GC Column: DB-624UI ID: 0.18 (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	$\overline{RRF}$	% 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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance
Contract: REMI02
Lab Code: ACE
SDG No.: Q3552
Instrument ID: MSVOA_V
Calibration Date/Time: 11/05/2025 11:34
Lab File ID: VV039328.D
Init. Calib. Date(s): 10/07/2025 10/07/2025
Heated Purge: (Y/N) N
Init. Calib. Time(s): 09:40 11:32
GC Column: DB-624UI ID: 0.18 (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.

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name: Alliance Contract: REMI02

Lab Code: ACE SDG No.: Q3552

Instrument ID: MSVOA_V Calibration Date/Time: 11/05/2025 11:34

Lab File ID: VV039328.D Init. Calib. Date(s): 10/07/2025 10/07/2025

Heated Purge: (Y/N) N Init. Calib. Time(s): 09:40 11:32

GC Column: DB-624UI ID: 0.18 (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\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Quant Time: Nov 06 00:19:07 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-4

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	698591	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1269452	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1250476	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	611666	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	564955	56.913	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.820%			
35) Dibromofluoromethane	4.500	113	509320	50.920	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 101.840%			
50) Toluene-d8	7.236	98	1621615	47.656	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 95.320%			
62) 4-Bromofluorobenzene	9.998	95	679674	56.085	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 112.180%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.124	85	13937	1.578	ug/l	93
8) Diethyl Ether	1.921	74	55233	9.540	ug/l	96
11) Tert butyl alcohol	2.561	59	1178206	612.457	ug/l	100
19) Methyl tert-butyl Ether	2.712	73	31713	1.119	ug/l #	87
29) Tetrahydrofuran	4.239	42	348572	89.803	ug/l	98
40) Benzene	5.008	78	1840462	45.655	ug/l	100
52) Toluene	7.320	92	13960	0.574	ug/l	99
65) Chlorobenzene	8.802	112	875724	29.583	ug/l	100
69) o-Xylene	9.471	106	25439	1.666	ug/l	99
73) Isopropylbenzene	9.853	105	2547351	68.582	ug/l	100
78) n-propylbenzene	10.281	91	127212	2.823	ug/l	100
79) 2-Chlorotoluene	10.352	91	20387m	0.733	ug/l	
87) 1,3-Dichlorobenzene	11.117	146	12328	0.605	ug/l	94
88) 1,4-Dichlorobenzene	11.197	146	169419	7.433	ug/l	98
89) n-Butylbenzene	11.580	91	21264m	0.679	ug/l	
91) 1,2-Dichlorobenzene	11.574	146	16468	0.850	ug/l	96

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

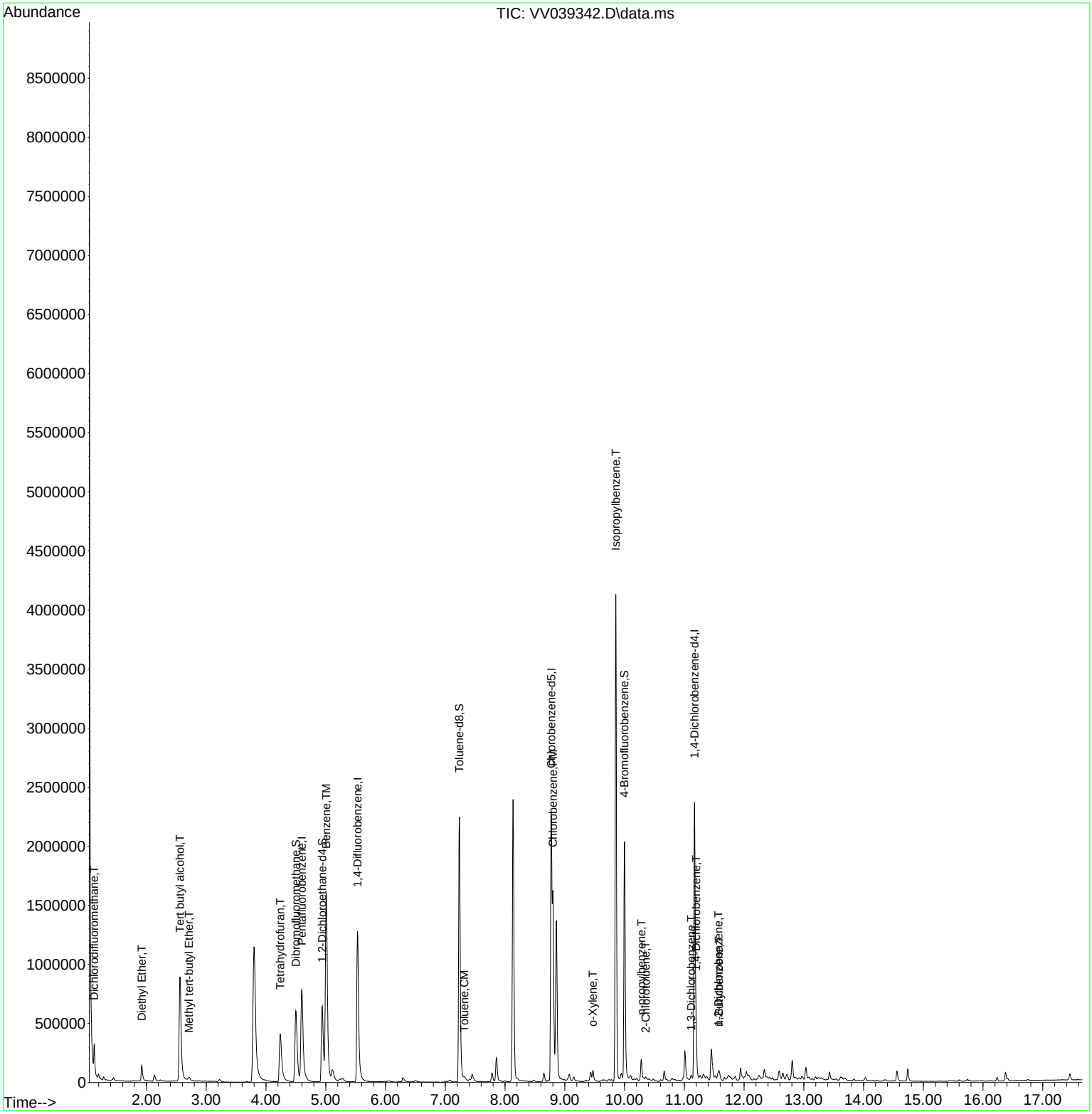
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

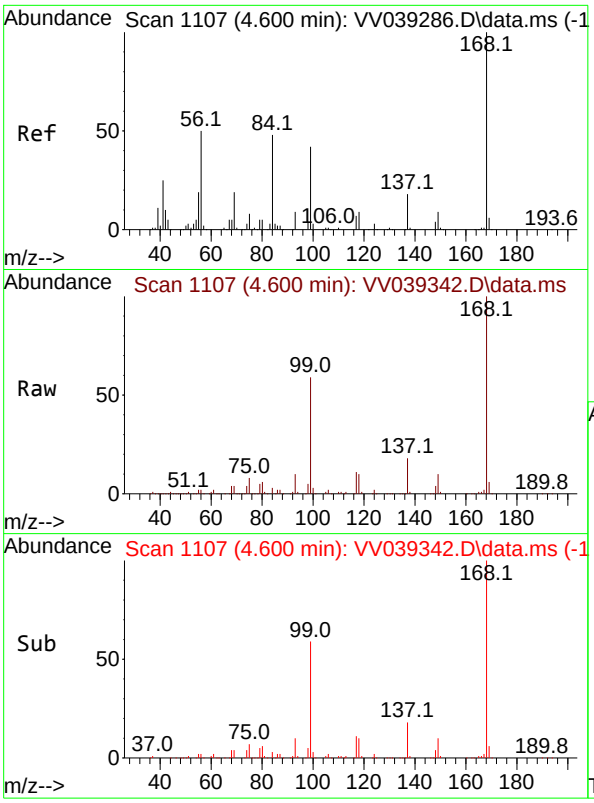
Quant Time: Nov 06 00:19:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

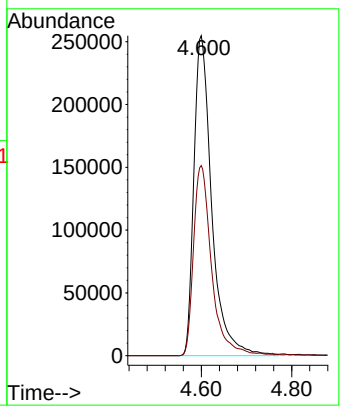




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:168 Resp: 69859

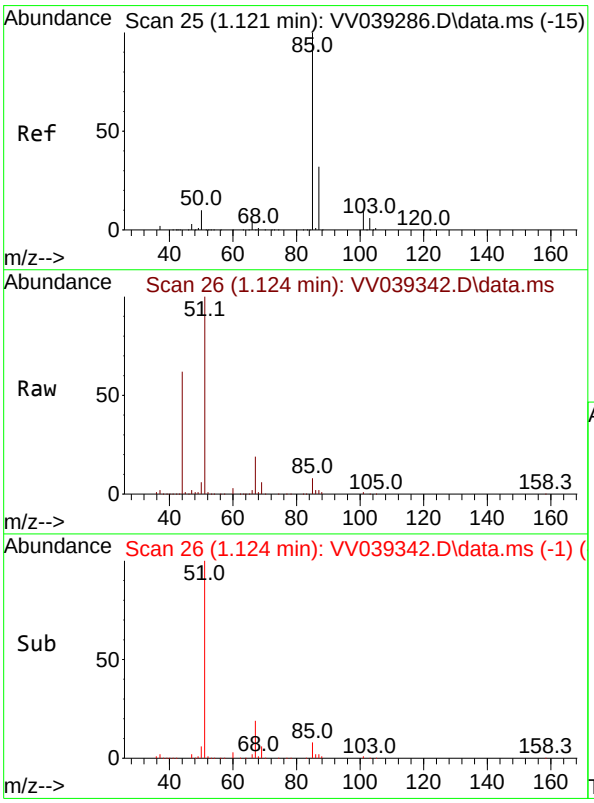
Ion	Ratio	Lower	Upper
168	100		
99	59.4	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
APPROVED

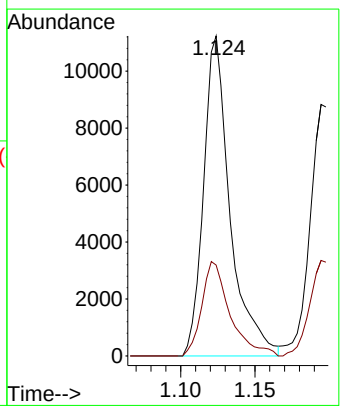
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

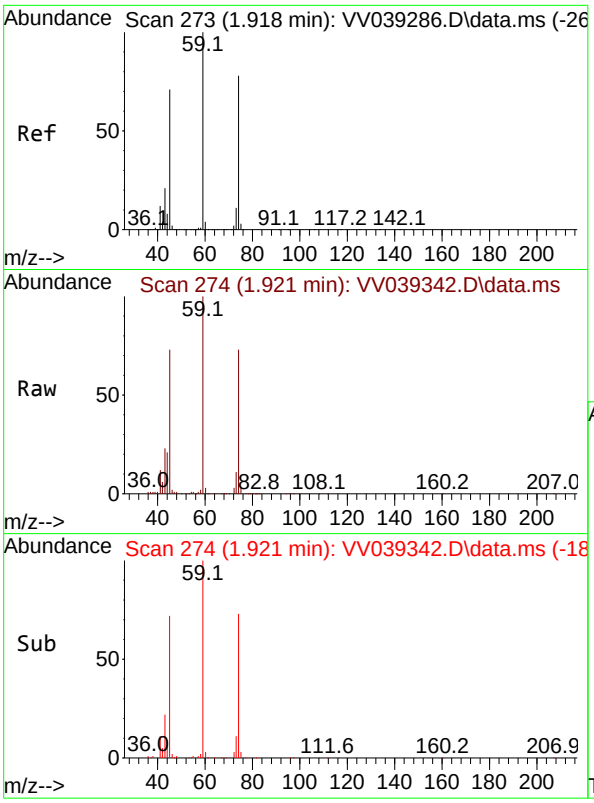


#2
Dichlorodifluoromethane
Concen: 1.578 ug/l
RT: 1.124 min Scan# 26
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 85 Resp: 13937

Ion	Ratio	Lower	Upper
85	100		
87	28.4	16.1	48.2

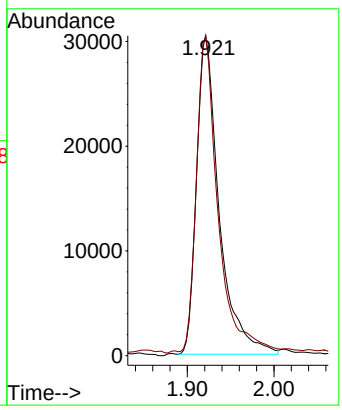




#8
Diethyl Ether
Concen: 9.540 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 74 Resp: 5523

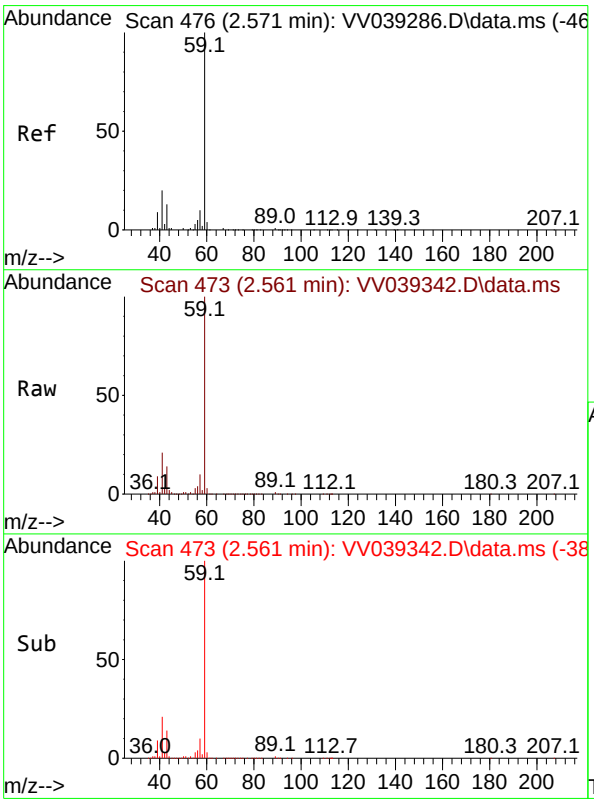
Ion	Ratio	Lower	Upper
74	100		
45	95.8	45.9	137.7



Instrument :
MSVOA_V
ClientSampleId :
MW-4

Manual Integrations
APPROVED

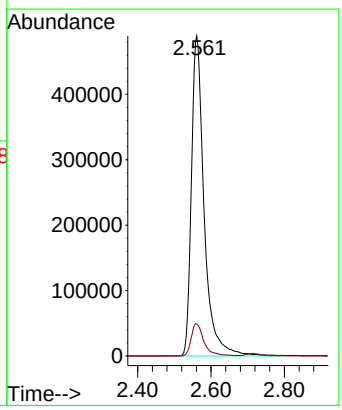
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

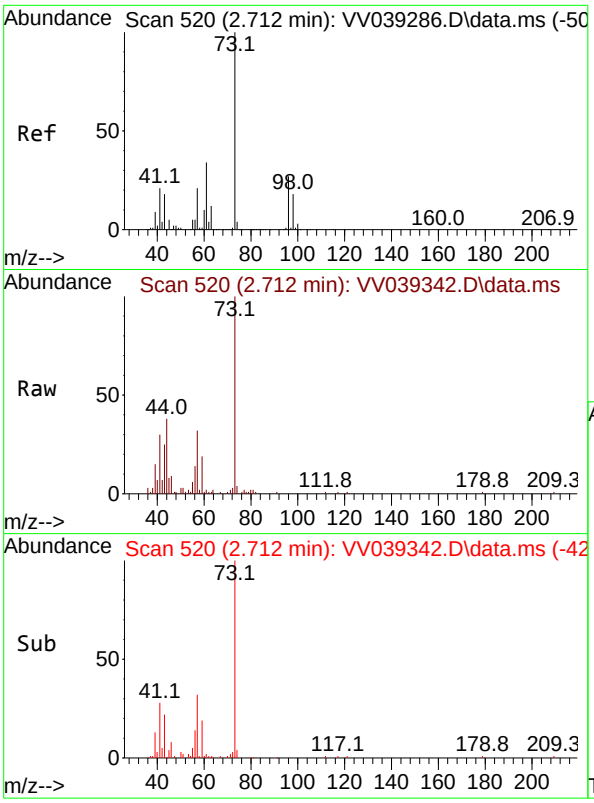


#11
Tert butyl alcohol
Concen: 612.457 ug/l
RT: 2.561 min Scan# 473
Delta R.T. -0.010 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 59 Resp: 1178206

Ion	Ratio	Lower	Upper
59	100		
57	10.1	8.1	12.1

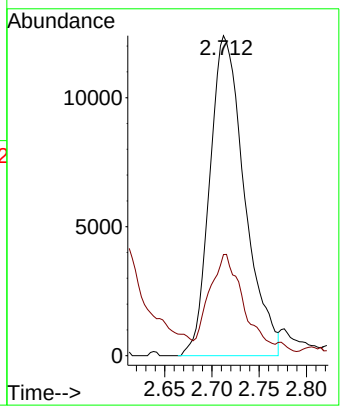




#19
Methyl tert-butyl Ether
Concen: 1.119 ug/l
RT: 2.712 min Scan# 5
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 73 Resp: 3171

Ion	Ratio	Lower	Upper
73	100		
57	27.5	17.0	25.6



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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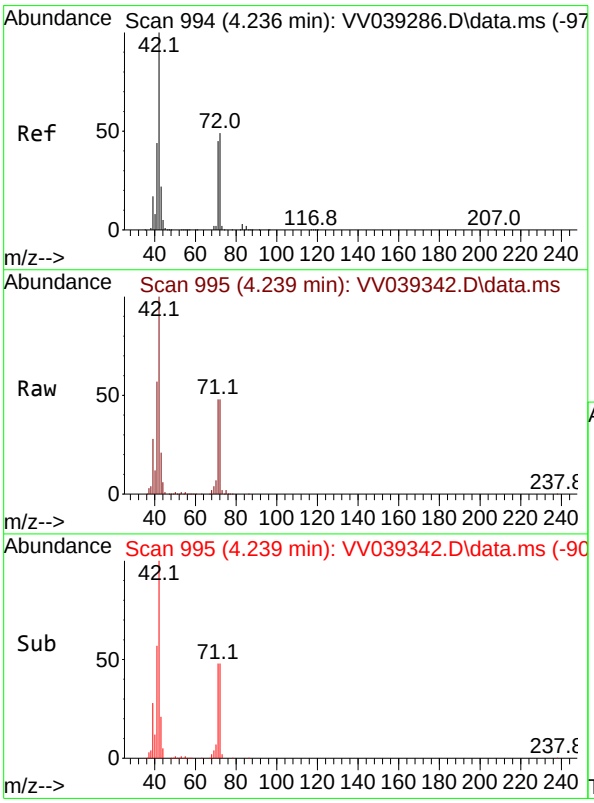
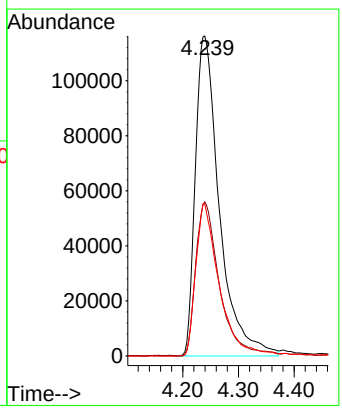
Supervised By :Mahesh Dadoda 11/06/2025

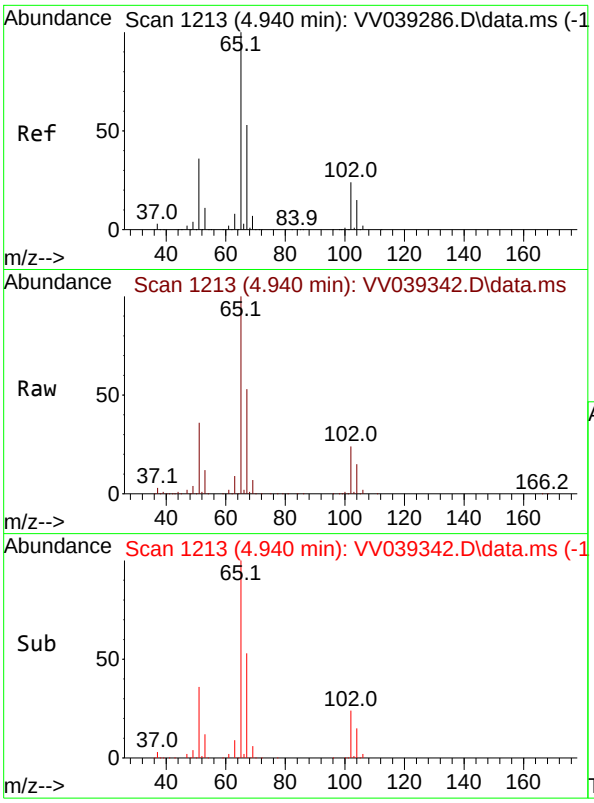


#29
Tetrahydrofuran
Concen: 89.803 ug/l
RT: 4.239 min Scan# 995
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 42 Resp: 348572

Ion	Ratio	Lower	Upper
42	100		
72	47.6	39.8	59.8
71	46.2	36.5	54.7

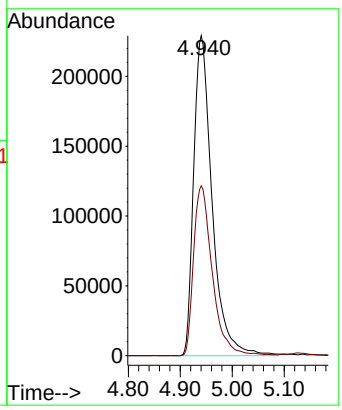




#33
1,2-Dichloroethane-d4
Concen: 56.913 ug/l
RT: 4.940 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 65 Resp: 56495

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



Instrument :
MSVOA_V
ClientSampleId :
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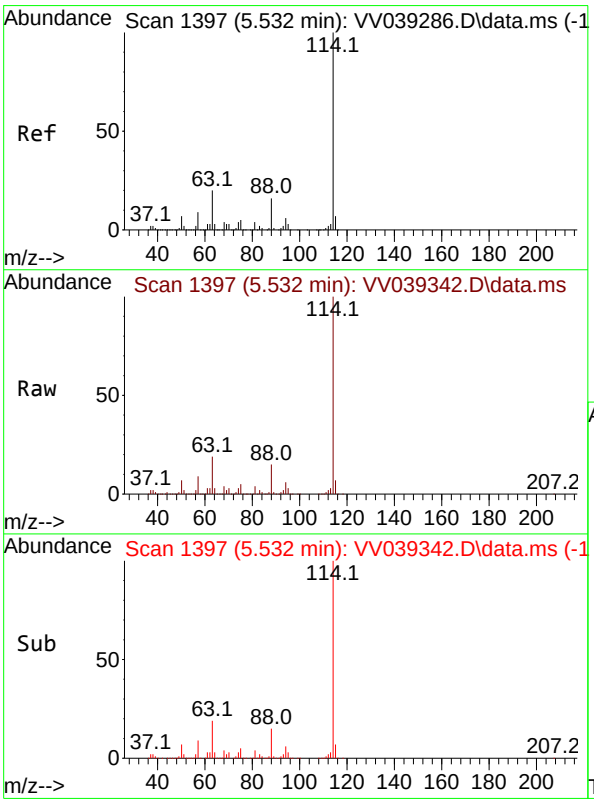
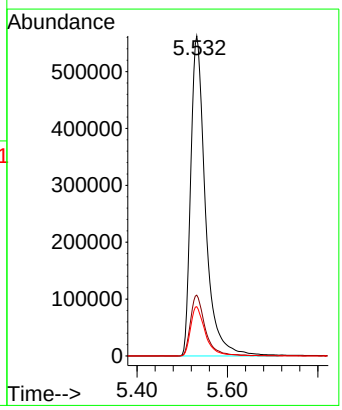
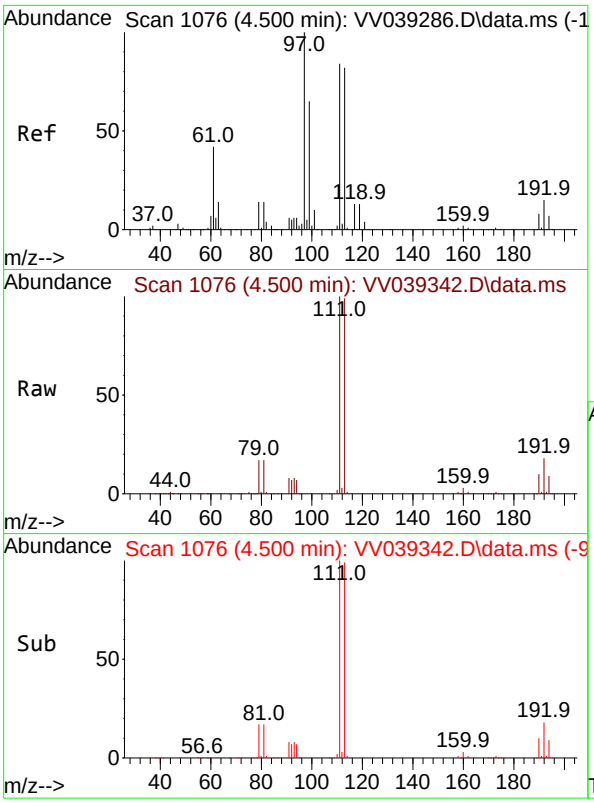


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:114 Resp: 1269452

Ion	Ratio	Lower	Upper
114	100		
63	19.0	0.0	39.6
88	15.4	0.0	31.6

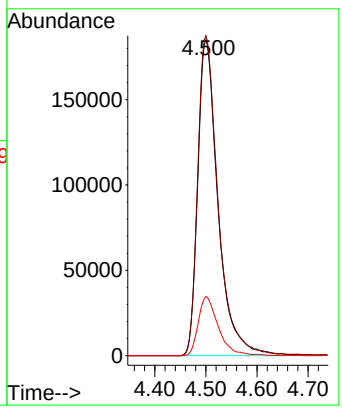




#35
Dibromofluoromethane
Concen: 50.920 ug/l
RT: 4.500 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:113 Resp: 50932

Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.0	123.0
192	18.4	14.3	21.5



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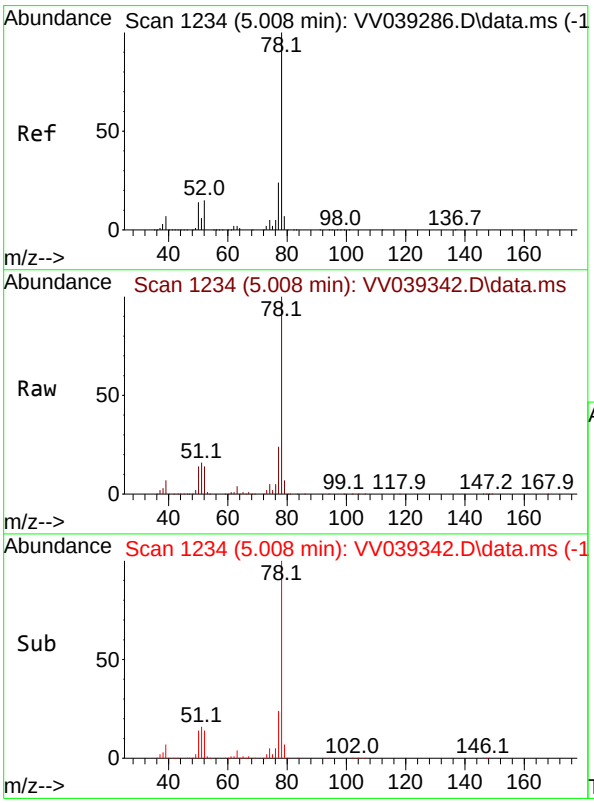
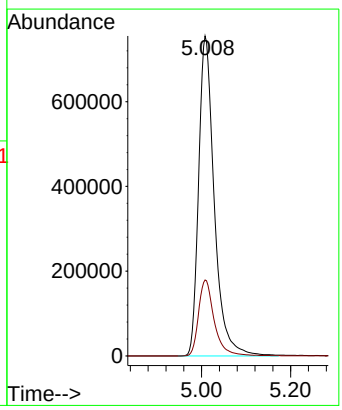
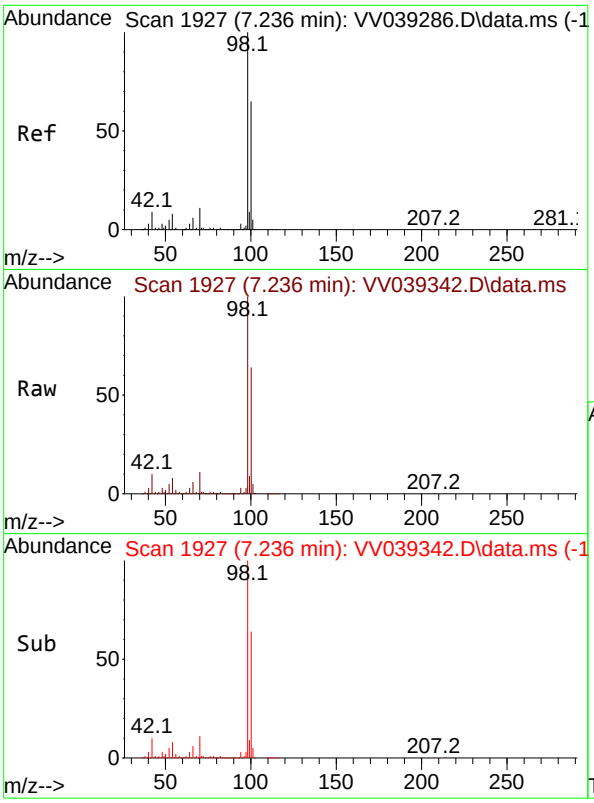


#40
Benzene
Concen: 45.655 ug/l
RT: 5.008 min Scan# 1234
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 78 Resp: 1840462

Ion	Ratio	Lower	Upper
78	100		
77	23.8	18.9	28.3

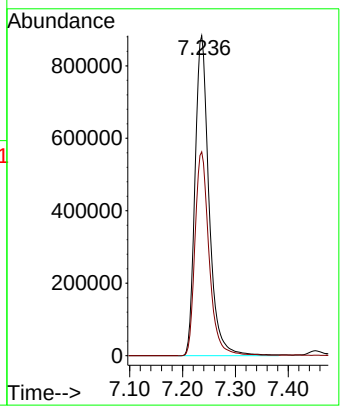




#50
Toluene-d8
Concen: 47.656 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 98 Resp: 162161

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2



Instrument :
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ClientSampleId :
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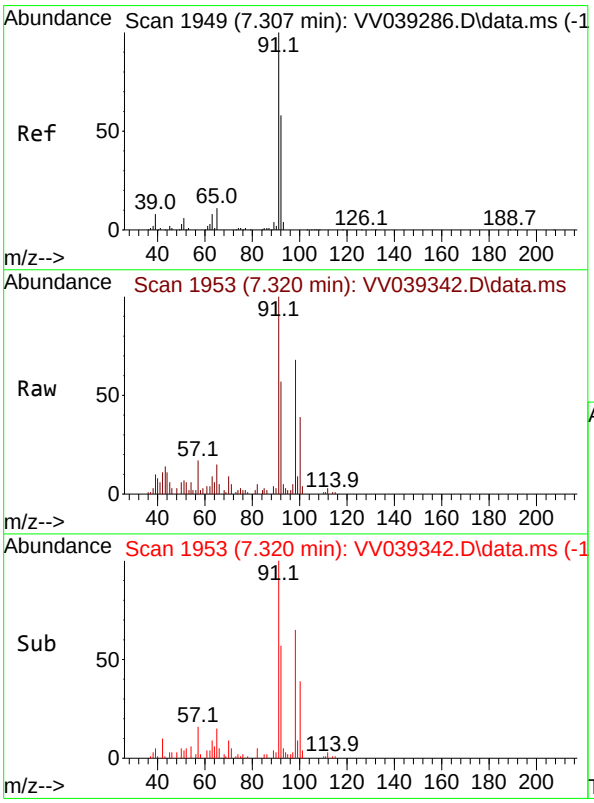
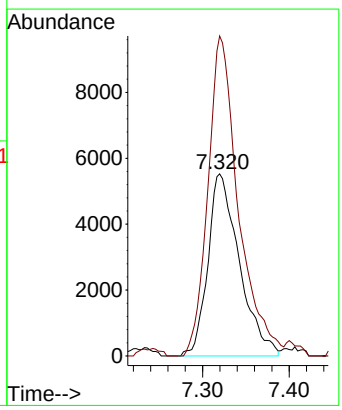
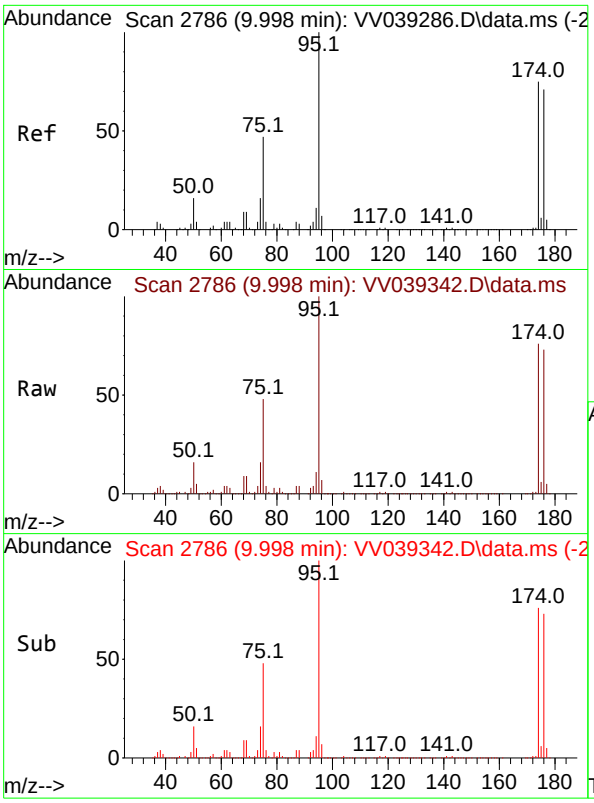


#52
Toluene
Concen: 0.574 ug/l
RT: 7.320 min Scan# 1953
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 92 Resp: 13960

Ion	Ratio	Lower	Upper
92	100		
91	169.8	137.3	205.9

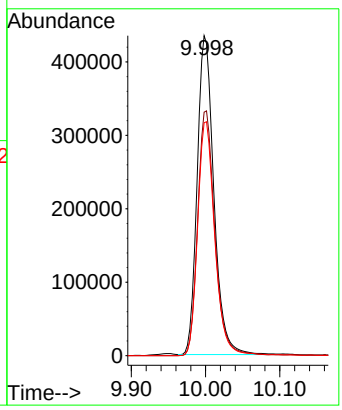




#62
4-Bromofluorobenzene
Concen: 56.085 ug/l
RT: 9.998 min Scan# 2
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 95 Resp: 67967

Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	153.6
176	75.3	0.0	146.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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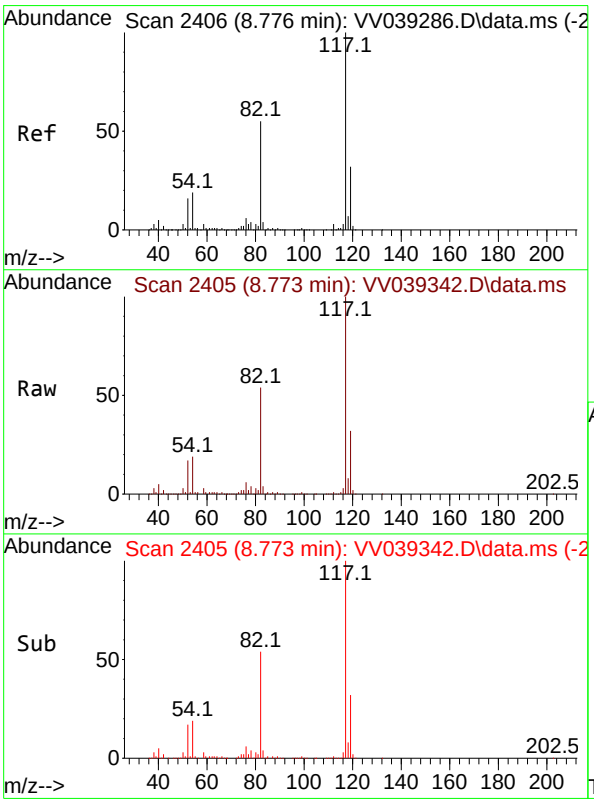
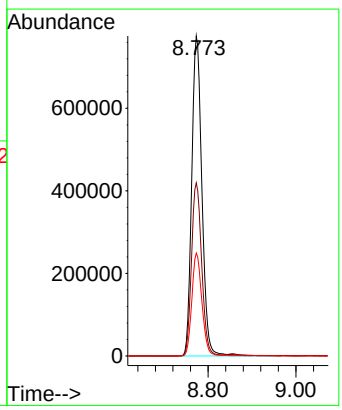
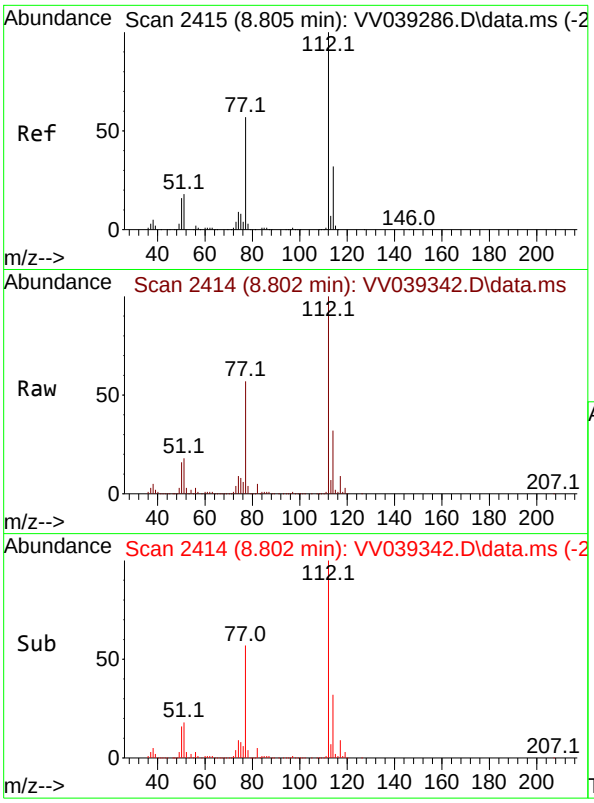


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:117 Resp: 1250476

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	32.1	25.8	38.6

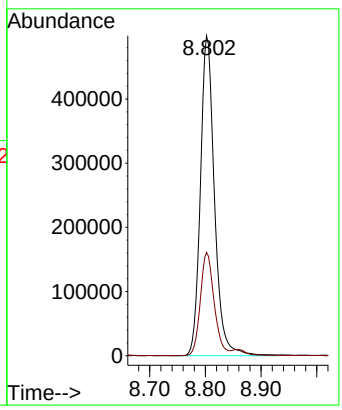




#65
Chlorobenzene
Concen: 29.583 ug/l
RT: 8.802 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:112 Resp: 87572

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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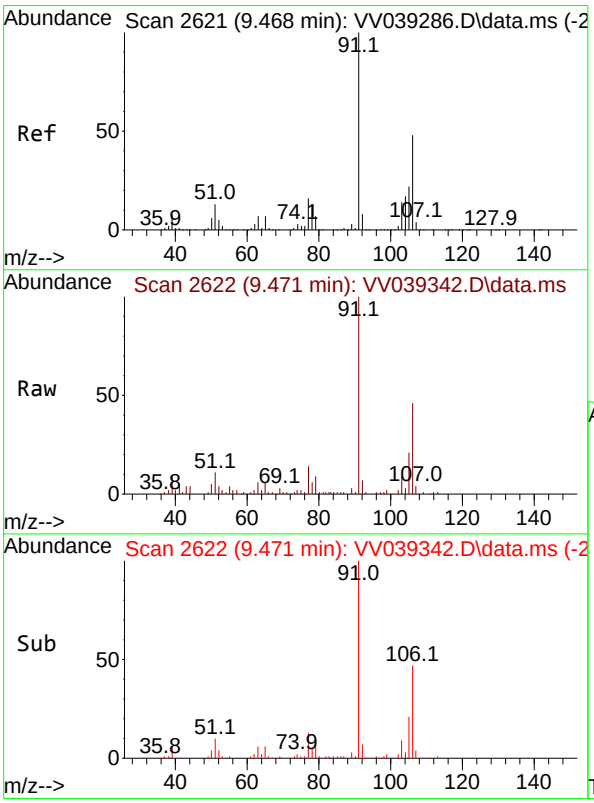
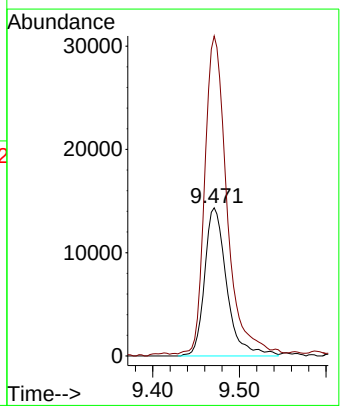
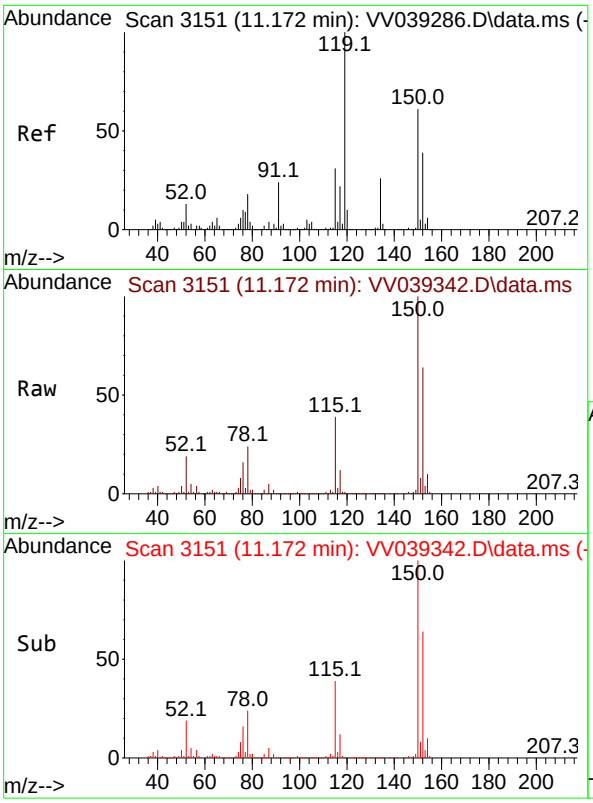


#69
o-Xylene
Concen: 1.666 ug/l
RT: 9.471 min Scan# 2622
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:106 Resp: 25439

Ion	Ratio	Lower	Upper
106	100		
91	213.5	105.8	317.3

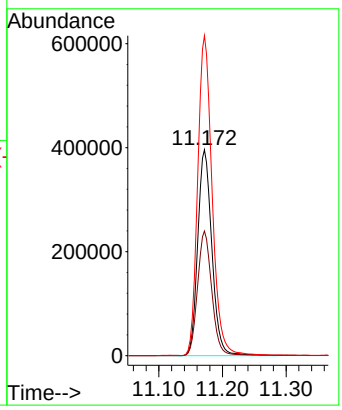




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:152 Resp: 61166

Ion	Ratio	Lower	Upper
152	100		
115	60.5	42.3	126.8
150	158.2	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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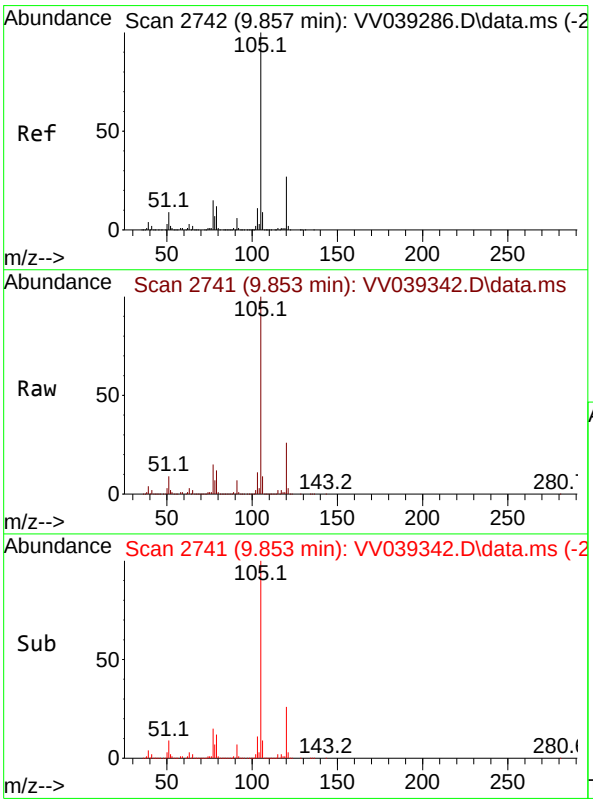
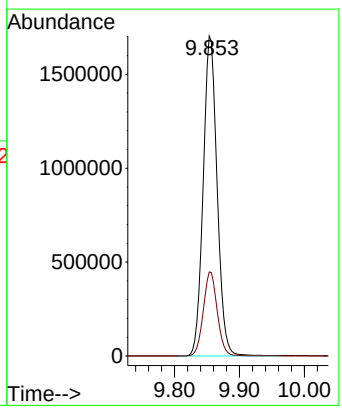
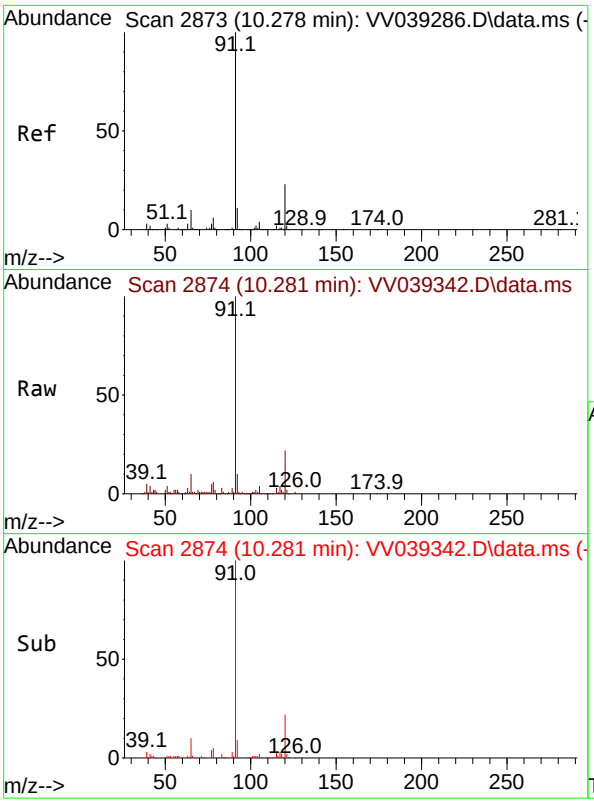


#73
Isopropylbenzene
Concen: 68.582 ug/l
RT: 9.853 min Scan# 2741
Delta R.T. -0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:105 Resp: 2547351

Ion	Ratio	Lower	Upper
105	100		
120	26.3	13.2	39.5





#78
n-propylbenzene
Concen: 2.823 ug/l
RT: 10.281 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 12721

Ion	Ratio	Lower	Upper
91	100		
120	22.9	11.5	34.5

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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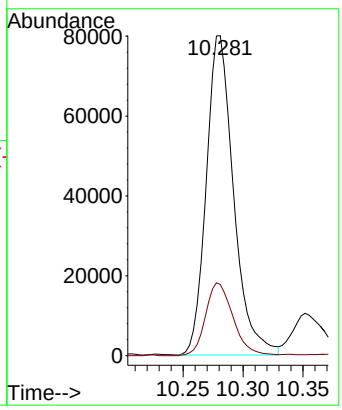
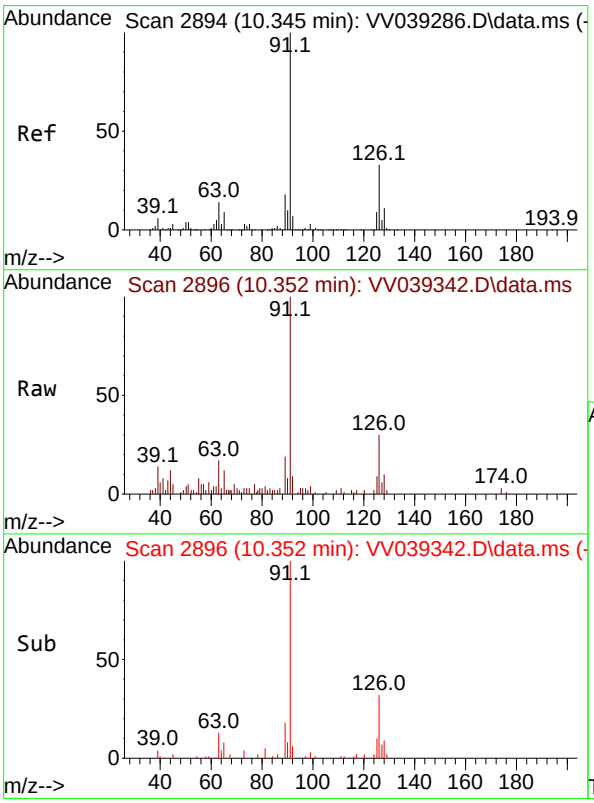
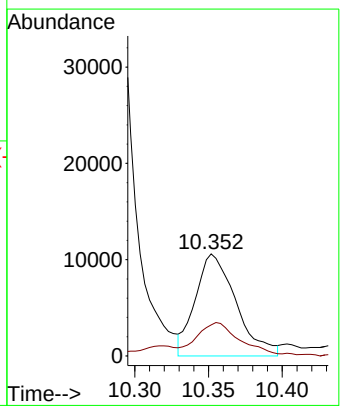


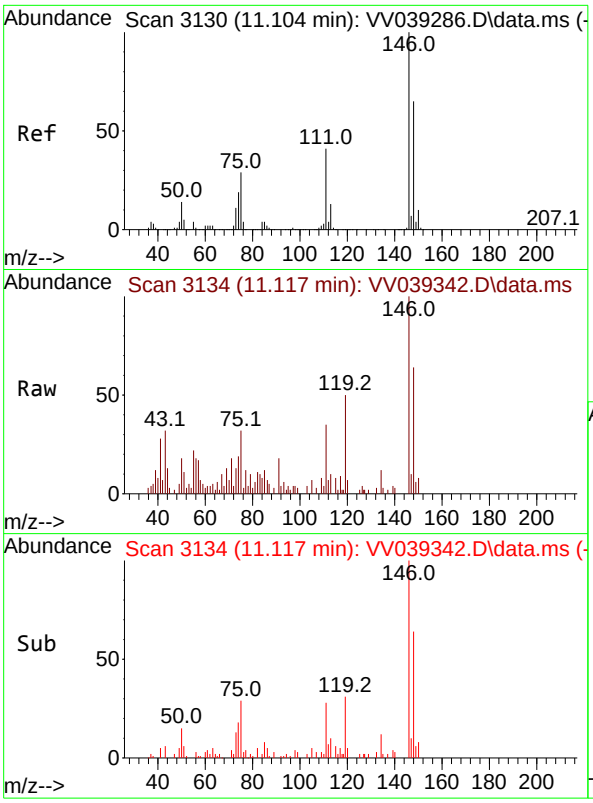


#79
2-Chlorotoluene
Concen: 0.733 ug/l m
RT: 10.352 min Scan# 2896
Delta R.T. 0.006 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 20387

Ion	Ratio	Lower	Upper
91	100		
126	0.0	16.9	50.6#

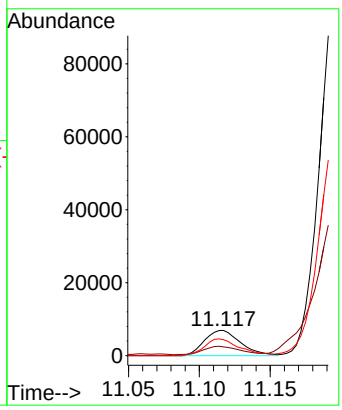




#87
1,3-Dichlorobenzene
Concen: 0.605 ug/l
RT: 11.117 min Scan# 3
Delta R.T. 0.013 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 1232

Ion	Ratio	Lower	Upper
146	100		
111	33.5	20.6	61.8
148	64.9	31.9	95.9



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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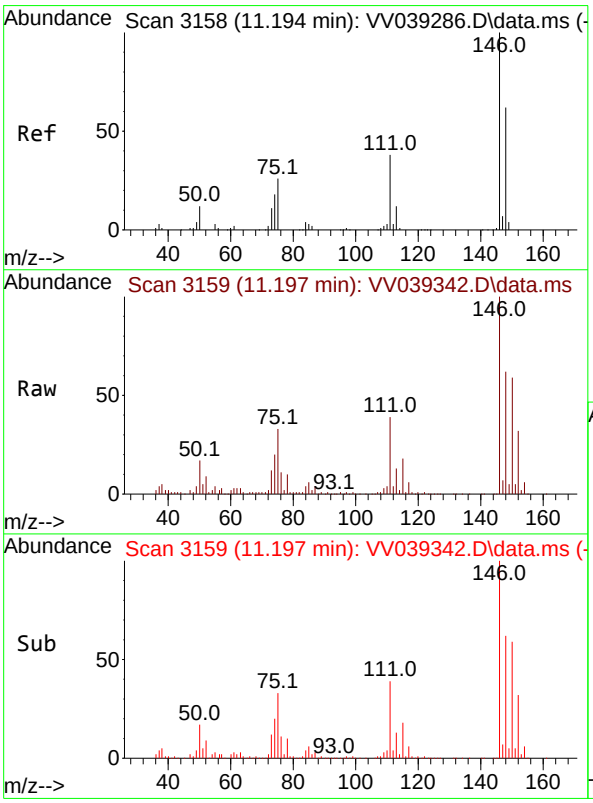
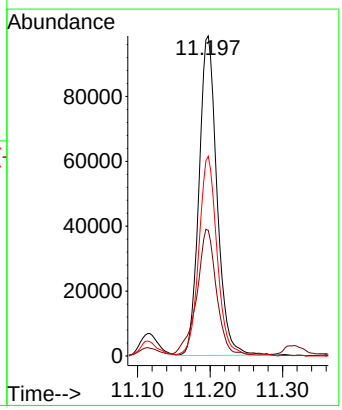
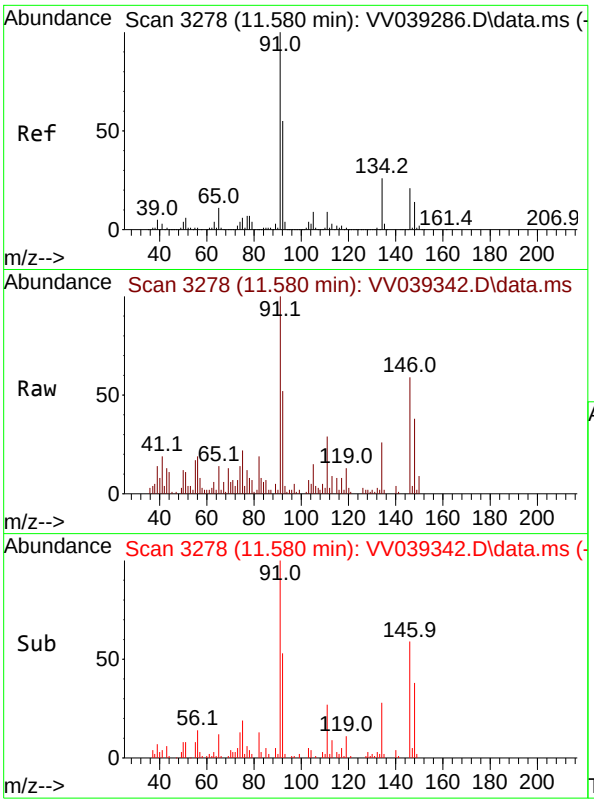


#88
1,4-Dichlorobenzene
Concen: 7.433 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 169419

Ion	Ratio	Lower	Upper
146	100		
111	42.7	19.7	59.0
148	62.9	31.5	94.5

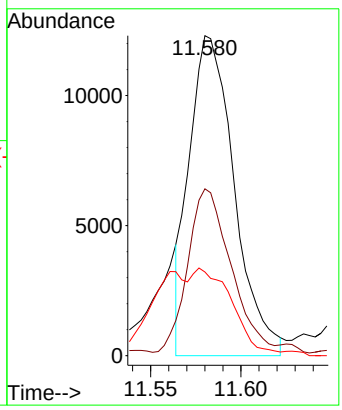




#89
n-Butylbenzene
Concen: 0.679 ug/l m
RT: 11.580 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion: 91 Resp: 2126

Ion	Ratio	Lower	Upper
91	100		
92	48.8	26.9	80.6
134	20.1	12.6	37.8



Instrument :
MSVOA_V
ClientSampleId :
MW-4

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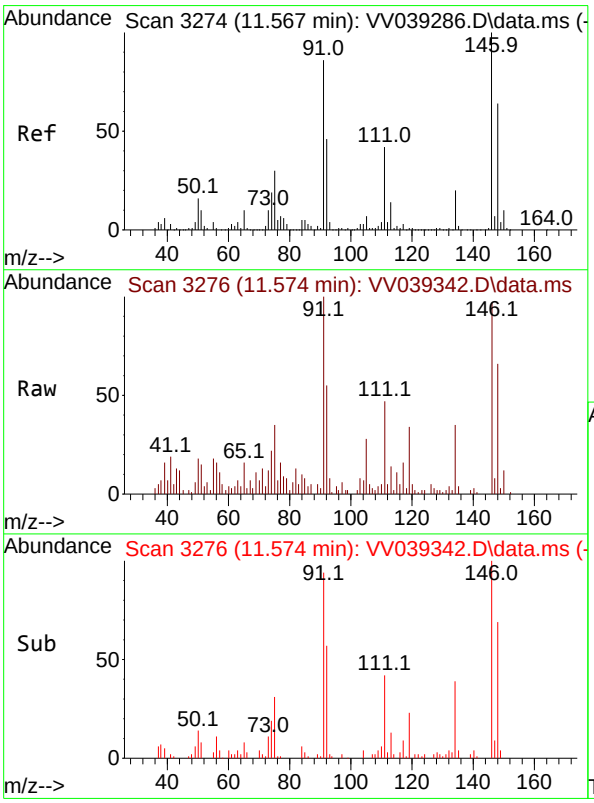
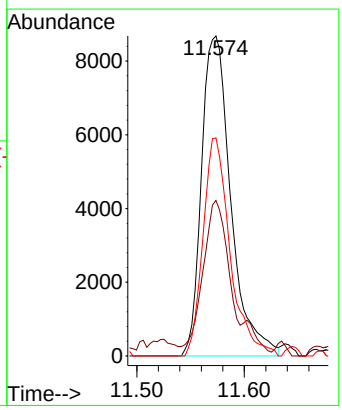


#91
1,2-Dichlorobenzene
Concen: 0.850 ug/l
RT: 11.574 min Scan# 3276
Delta R.T. 0.006 min
Lab File: VV039342.D
Acq: 05 Nov 2025 17:43

Tgt Ion:146 Resp: 16468

Ion	Ratio	Lower	Upper
146	100		
111	37.7	21.3	64.0
148	62.9	31.9	95.7



Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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

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

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

Signal : TIC: VV039342.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	22	26	43	rVB	279427	389156	6.28%	0.733%
2	1.921	265	274	291	rBV	134250	233856	3.78%	0.441%
3	2.130	329	339	355	rBV2	51600	108529	1.75%	0.204%
4	2.561	458	473	506	rBV	883476	2126601	34.34%	4.007%
5	3.799	835	858	906	rBV	1145605	3770137	60.89%	7.103%
6	4.239	982	995	1037	rBV	402184	1204399	19.45%	2.269%
7	4.500	1061	1076	1095	rBV	595715	1572344	25.39%	2.962%
8	4.600	1095	1107	1152	rVB	776512	2162046	34.92%	4.073%
9	4.940	1200	1213	1223	rBV	636645	1434763	23.17%	2.703%
10	5.008	1223	1234	1258	rVV	1596459	3923960	63.37%	7.393%
11	5.111	1259	1266	1293	rVB4	92550	271706	4.39%	0.512%
12	5.532	1384	1397	1437	rBV	1275167	2902645	46.88%	5.469%
13	6.291	1625	1633	1647	rBV	34254	75329	1.22%	0.142%
14	7.236	1915	1927	1947	rBV	2240271	4122842	66.58%	7.768%
15	7.448	1986	1993	2022	rVB	62294	162685	2.63%	0.307%
16	7.783	2085	2097	2110	rBV3	75306	145256	2.35%	0.274%
17	7.857	2110	2120	2138	rVV	197481	373231	6.03%	0.703%
18	8.133	2194	2206	2229	rBV2	2384385	4199760	67.83%	7.912%
19	8.648	2356	2366	2380	rBV	72908	136467	2.20%	0.257%
20	8.773	2395	2405	2411	rBV	2264880	3873064	62.55%	7.297%
21	8.860	2423	2432	2453	rVB	1337759	2417567	39.04%	4.555%
22	9.075	2488	2499	2510	rVB7	52649	100530	1.62%	0.189%
23	9.435	2597	2611	2616	rBV2	75595	134128	2.17%	0.253%
24	9.471	2616	2622	2642	rVB2	91627	169218	2.73%	0.319%
25	9.853	2729	2741	2759	rBV	4121306	6191891	100.00%	11.666%
26	9.998	2777	2786	2809	rBV	1998928	3147325	50.83%	5.930%
27	10.281	2863	2874	2885	rBV	177564	304023	4.91%	0.573%
28	10.664	2984	2993	3002	rBV2	81988	131830	2.13%	0.248%
29	11.011	3083	3101	3121	rBV4	244834	485976	7.85%	0.916%
30	11.172	3140	3151	3174	rBV2	2336684	4178960	67.49%	7.873%
31	11.451	3228	3238	3253	rBV2	257379	534990	8.64%	1.008%
32	11.577	3267	3277	3298	rVB8	84335	237415	3.83%	0.447%
33	11.738	3321	3327	3347	rVB8	33945	97133	1.57%	0.183%
34	11.943	3382	3391	3406	rBV2	98092	189566	3.06%	0.357%
35	12.252	3474	3487	3499	rBV8	33557	82123	1.33%	0.155%
36	12.342	3507	3515	3523	rBV3	73126	112112	1.81%	0.211%

Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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

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

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

37	12.586	3582	3591	3602	rBV8	72529	134395	2.17%	0.253%
38	12.651	3602	3611	3622	rVB	51039	92196	1.49%	0.174%
39	12.718	3623	3632	3646	rVB8	44318	98067	1.58%	0.185%
40	12.808	3649	3660	3671	rBV3	159868	279480	4.51%	0.527%
41	13.037	3722	3731	3740	rBV4	98180	165539	2.67%	0.312%
42	13.429	3846	3853	3865	rBV	62628	97462	1.57%	0.184%
43	14.557	4196	4204	4223	rVB	83339	145634	2.35%	0.274%
44	14.741	4252	4261	4279	rVB2	99870	163860	2.65%	0.309%
45	16.377	4761	4770	4777	rBV2	69865	114211	1.84%	0.215%
46	17.454	5097	5105	5118	rVB3	48722	83446	1.35%	0.157%

Sum of corrected areas: 53077853

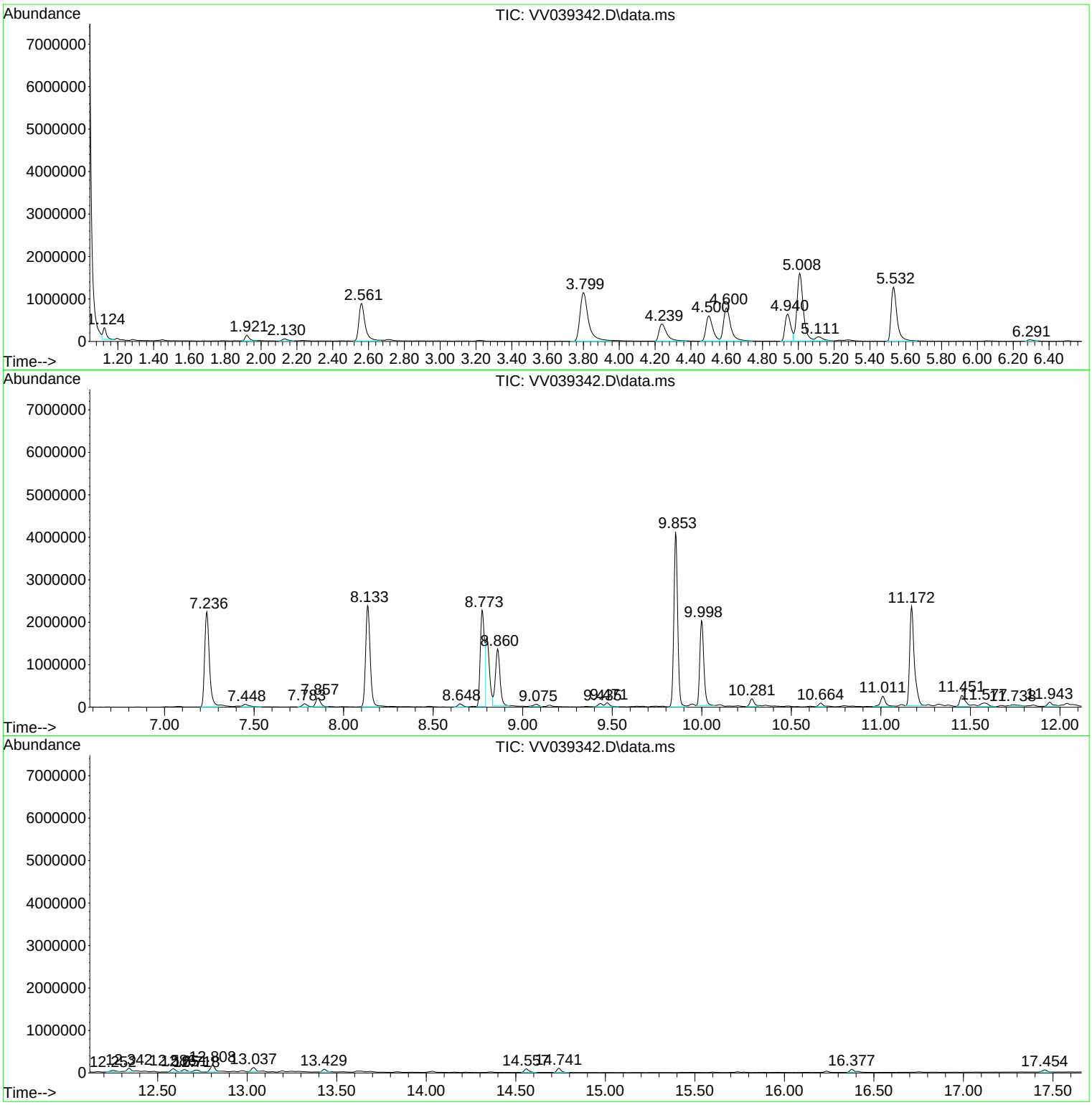
Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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



Sample Results: **VV039342.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

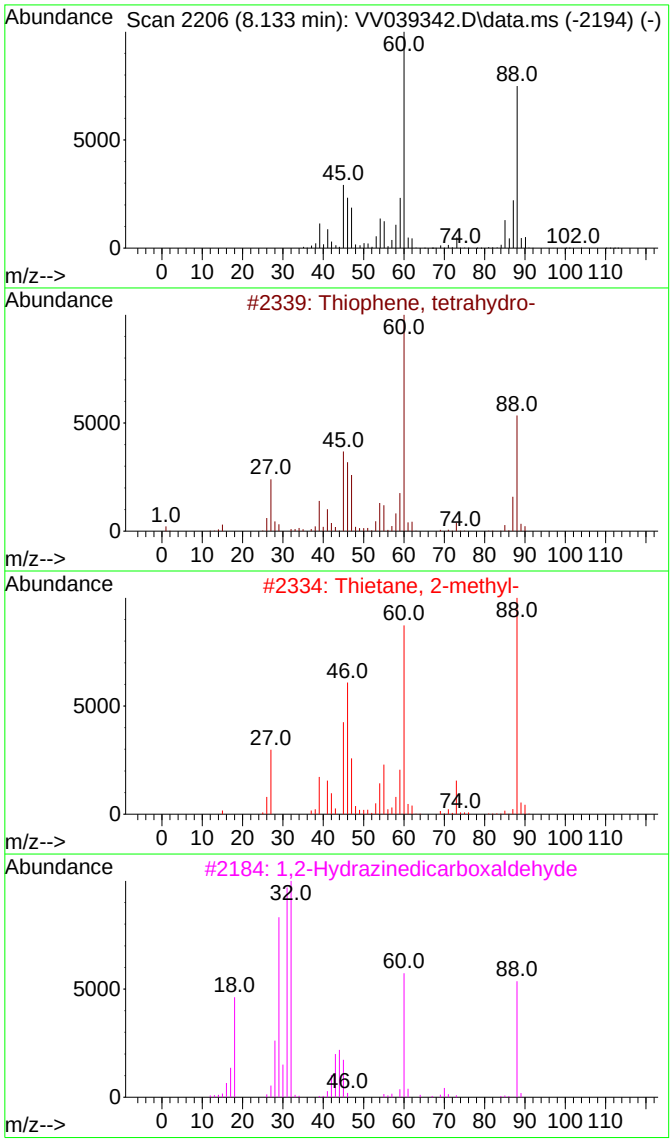
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

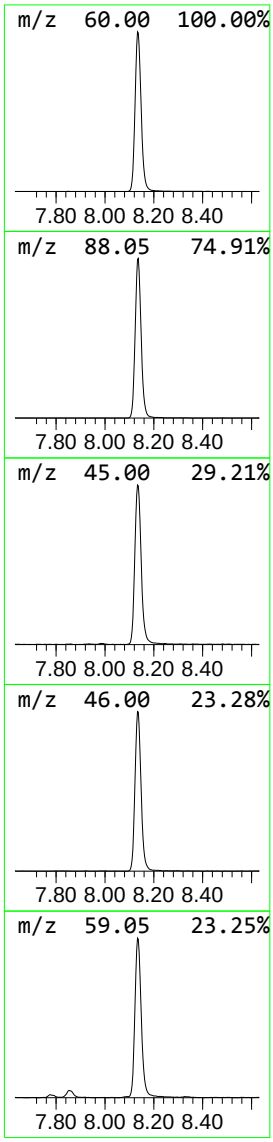
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 2 Thiophene, tetrahydro- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.133	54.22 ug/l	4199760	Chlorobenzene-d5	8.773

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Thiophene, tetrahydro-	88	C4H8S	000110-01-0	97
2	Thietane, 2-methyl-	88	C4H8S	017837-41-1	74
3	1,2-Hydrazinedicarboxaldehyde	88	C2H4N2O2	000628-36-4	53
4	Ethylvinyl sulfide	88	C4H8S	000627-50-9	42
5	Sulfide, allyl methyl	88	C4H8S	010152-76-8	32





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

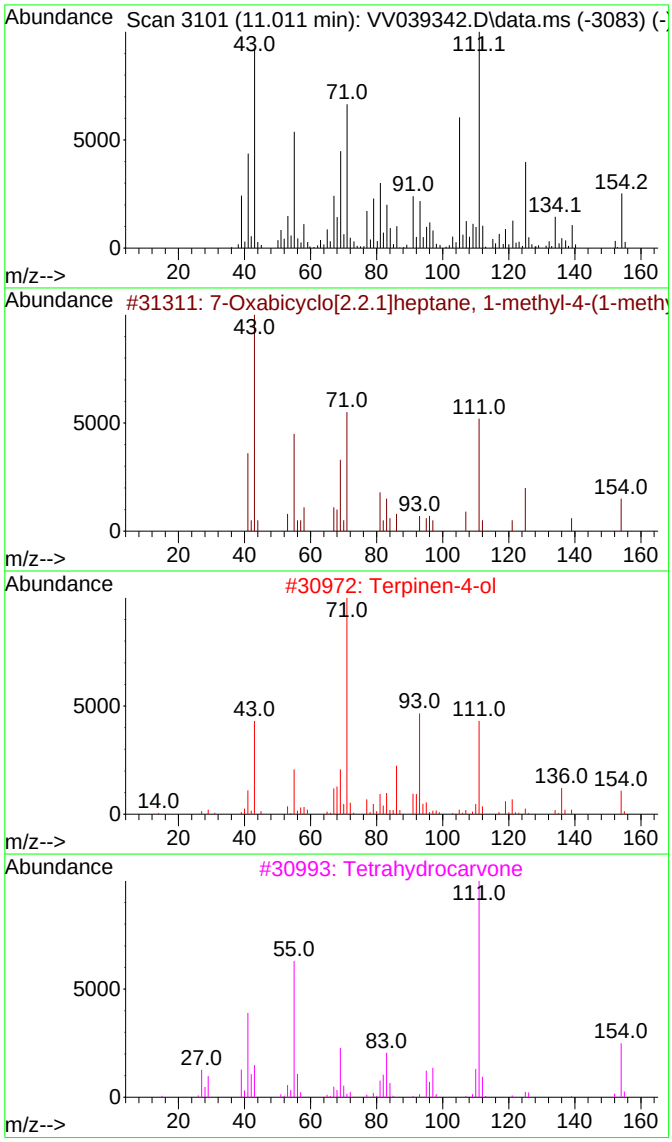
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260

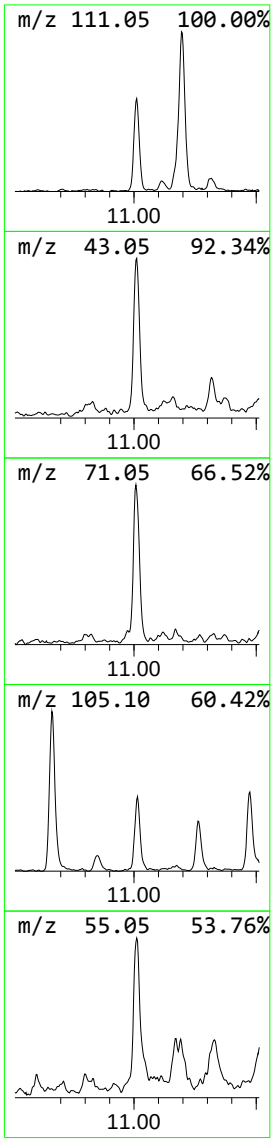
TIC Library : C:\Database\NIST20.L
TIC Integration Parameters: LSCINT.P

****
Peak Number 4 7-Oxabicyclo[2.2.1]heptane,... Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
11.011	5.81 ug/l	485976	1,4-Dichlorobenzene-d4	11.172

Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	7-Oxabicyclo[2.2.1]heptane, 1-me...	154	C10H18O	000470-67-7	96
2	Terpinen-4-ol	154	C10H18O	000562-74-3	46
3	Tetrahydrocarvone	154	C10H18O	000499-70-7	45
4	3-Cyclohexen-1-ol, 4-methyl-1-(1...	154	C10H18O	020126-76-5	43
5	4-Hepten-3-one, 2,5,6-trimethyl-	154	C10H18O	016466-21-0	43





Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039342.D
Acq On : 05 Nov 2025 17:43
Operator : SY/MD
Sample : Q3552-01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 16 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-4

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

					--Internal Standard---			
TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
Thiophene, tetr...	8.133	54.2	ug/l	4199760	3	8.773	3873060	50.0
7-Oxabicyclo[2....	11.011	5.8	ug/l	485976	4	11.172	4178960	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Quant Time: Nov 06 00:17:05 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	905091	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1744740	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1630594	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	725279	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.937	65	759652	59.067	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 118.140%#			
35) Dibromofluoromethane	4.500	113	669976	48.735	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.480%			
50) Toluene-d8	7.233	98	2167959	46.356	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.720%			
62) 4-Bromofluorobenzene	9.998	95	734424	44.094	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 88.180%			

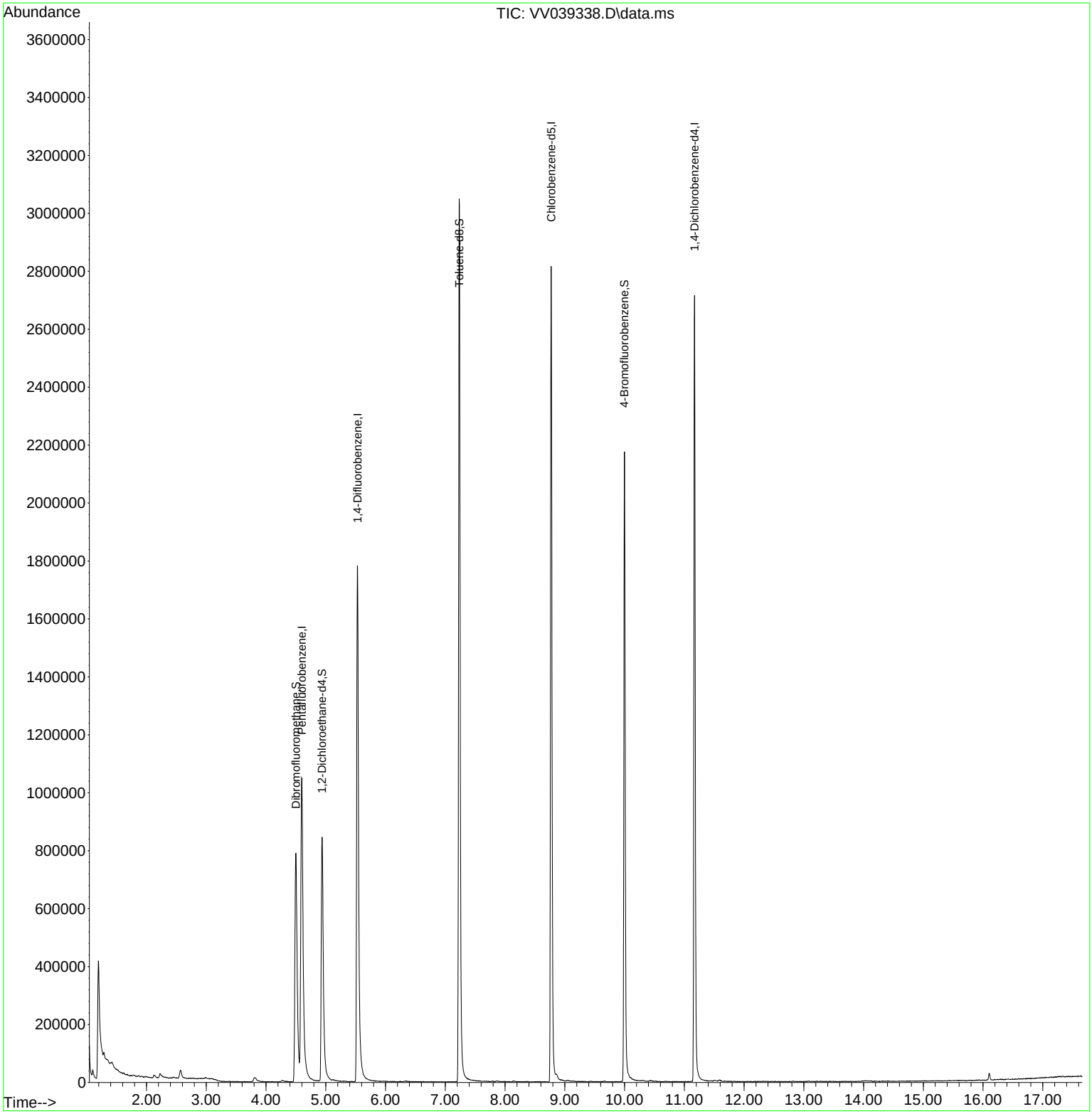
Target Compounds Qvalue

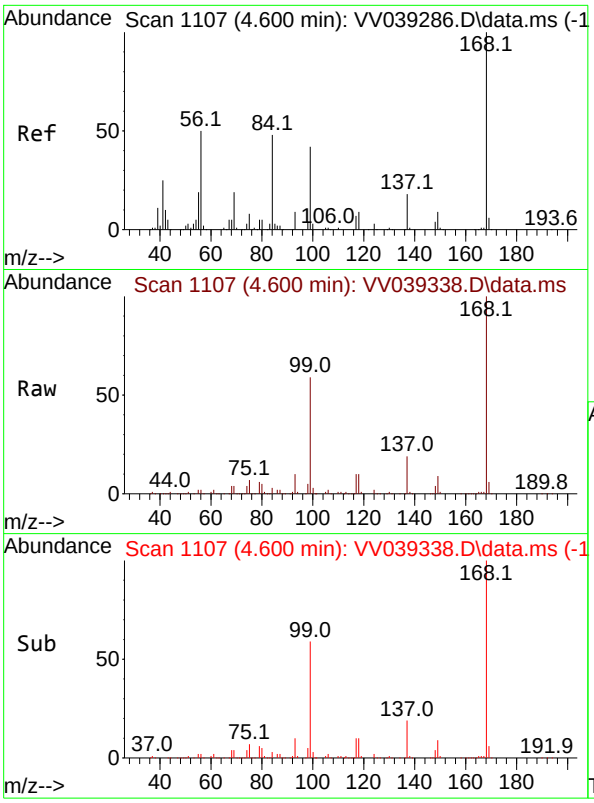
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Quant Time: Nov 06 00:17:05 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



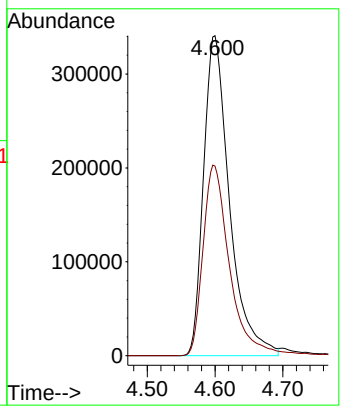


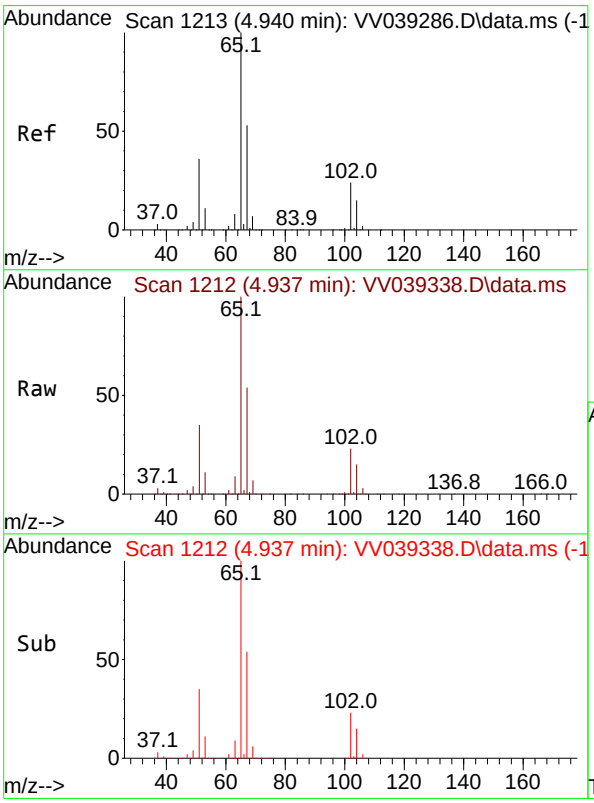
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:168 Resp: 905091

Ion	Ratio	Lower	Upper
168	100		
99	59.3	46.6	70.0

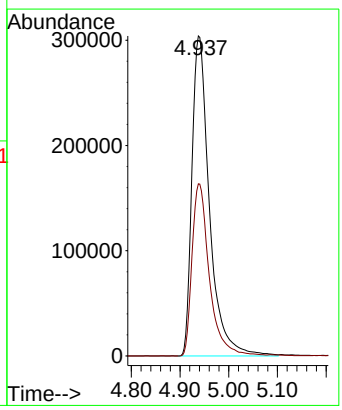


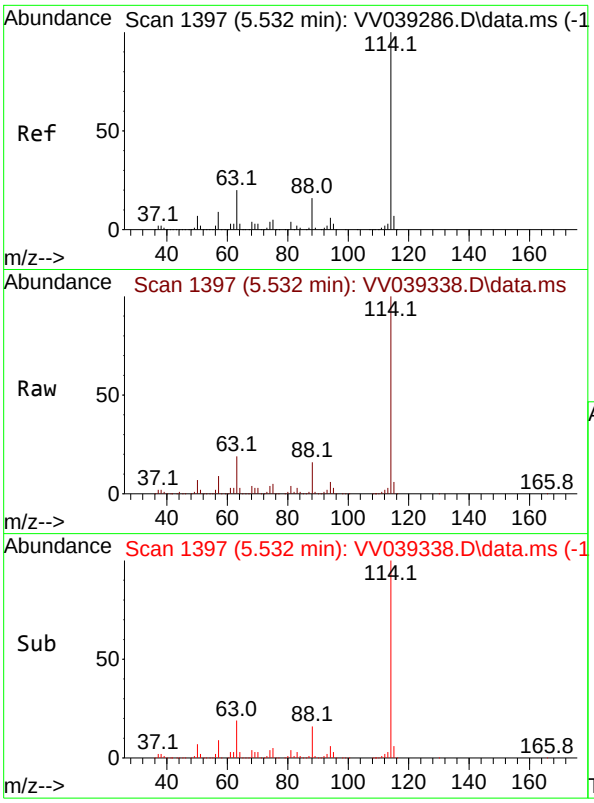


#33
1,2-Dichloroethane-d4
Concen: 59.067 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion: 65 Resp: 759652

Ion	Ratio	Lower	Upper
65	100		
67	53.3	0.0	108.4



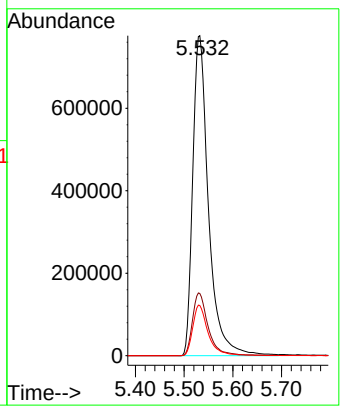


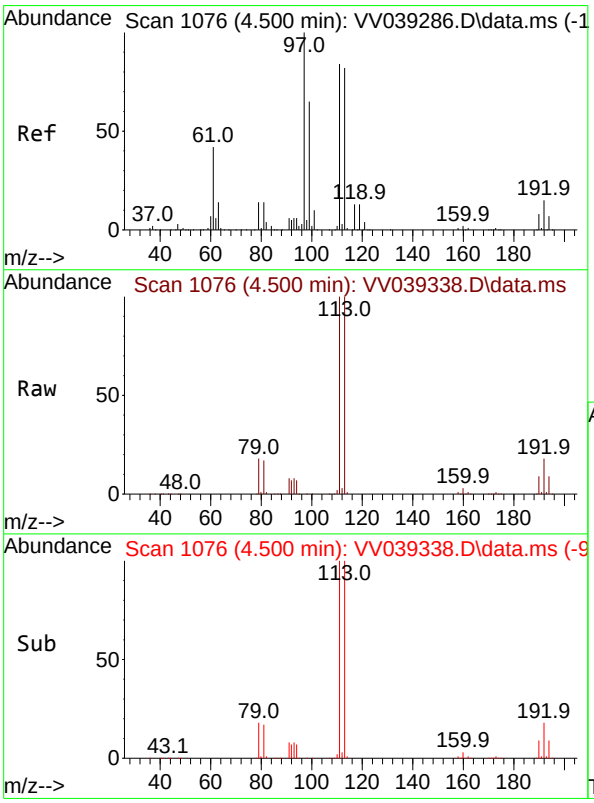
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:114 Resp: 1744740

Ion	Ratio	Lower	Upper
114	100		
63	19.5	0.0	39.6
88	15.7	0.0	31.6

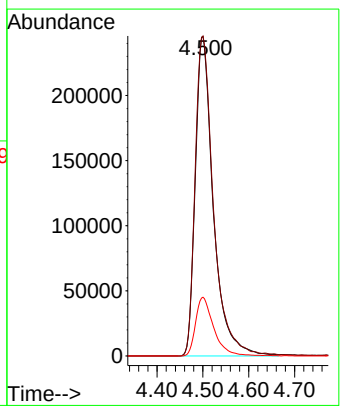


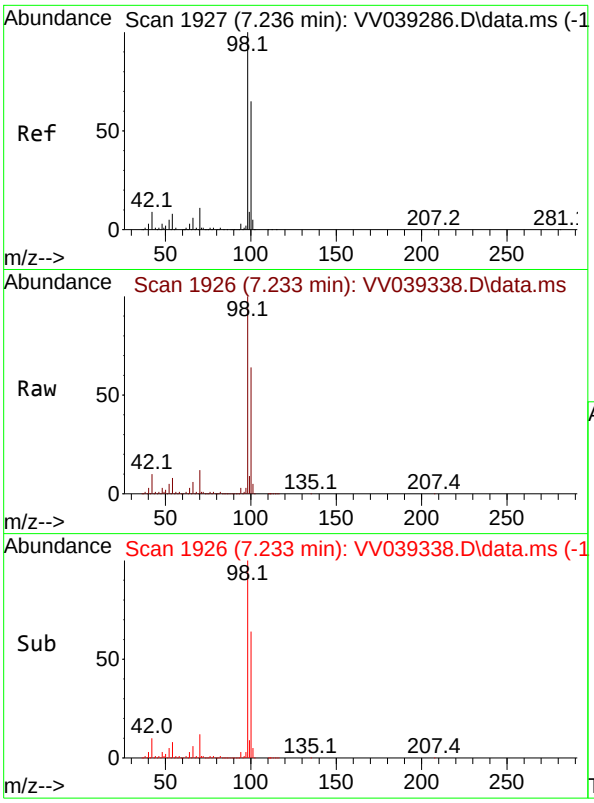


#35
Dibromofluoromethane
Concen: 48.735 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion:113 Resp: 669976

Ion	Ratio	Lower	Upper
113	100		
111	101.7	82.0	123.0
192	18.5	14.3	21.5



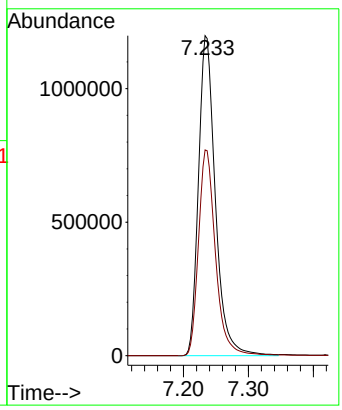


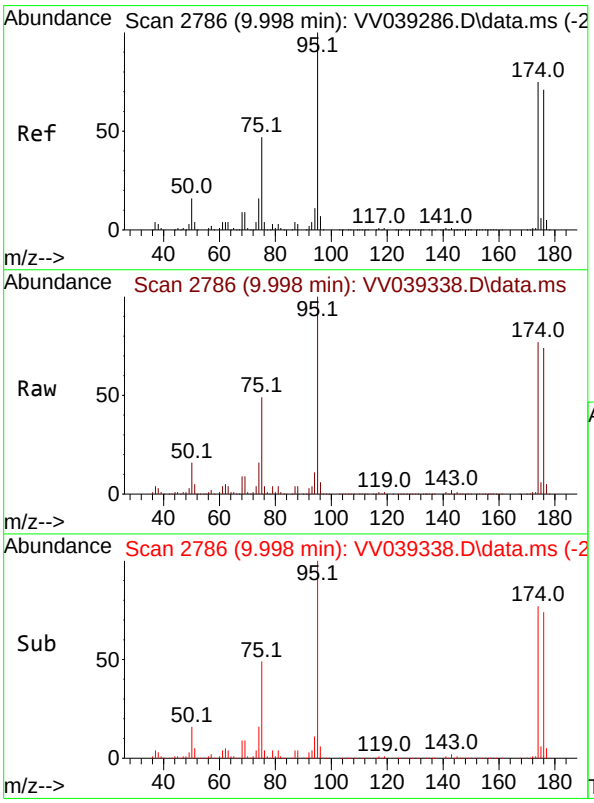
#50
Toluene-d8
Concen: 46.356 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion: 98 Resp: 2167959

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2

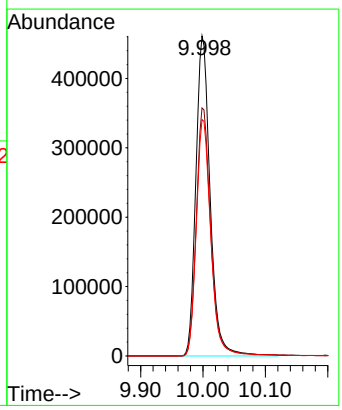


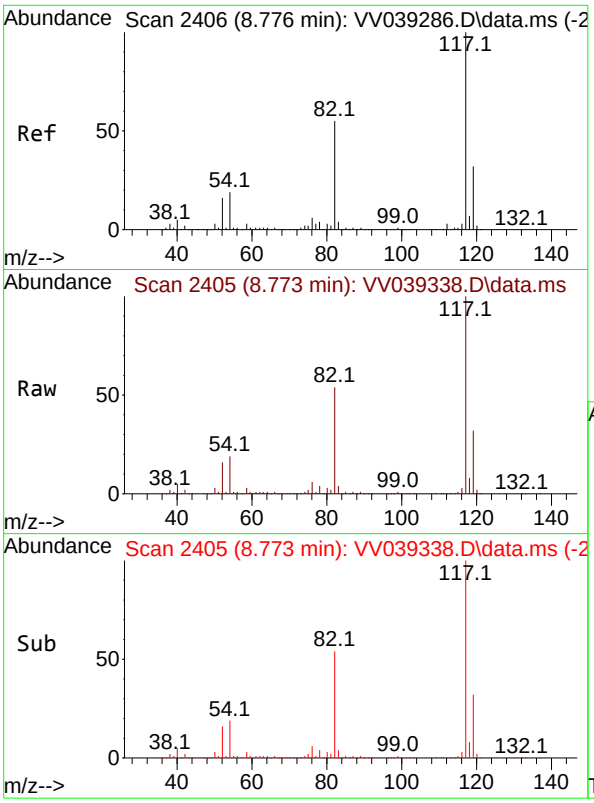


#62
4-Bromofluorobenzene
Concen: 44.094 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion: 95 Resp: 734424

Ion	Ratio	Lower	Upper
95	100		
174	78.3	0.0	153.6
176	74.6	0.0	146.0



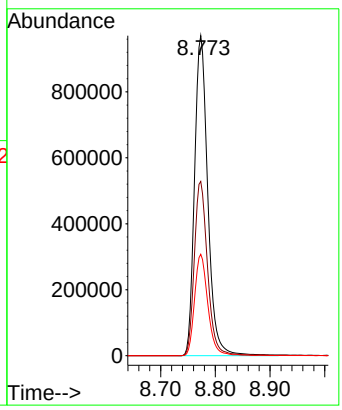


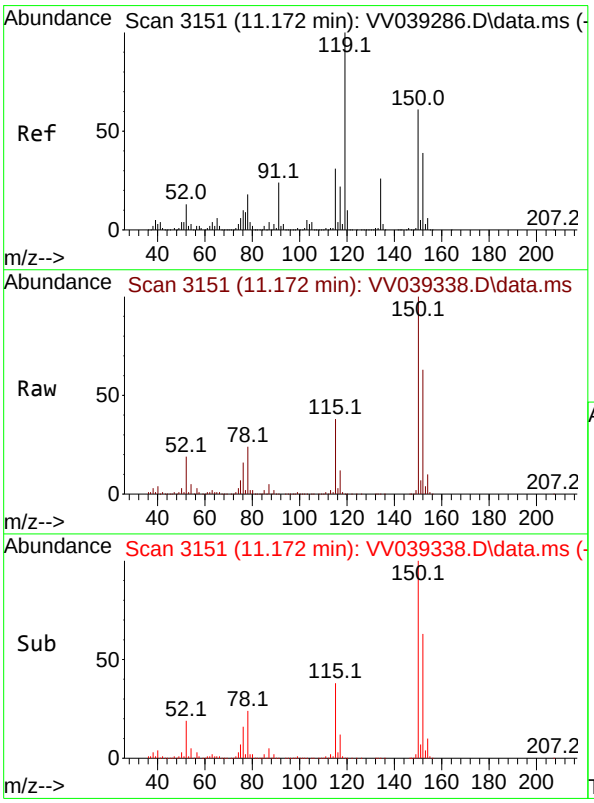
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Instrument :
MSVOA_V
ClientSampleId :
MW-8

Tgt Ion:117 Resp: 1630594

Ion	Ratio	Lower	Upper
117	100		
82	54.4	43.8	65.8
119	31.7	25.8	38.6

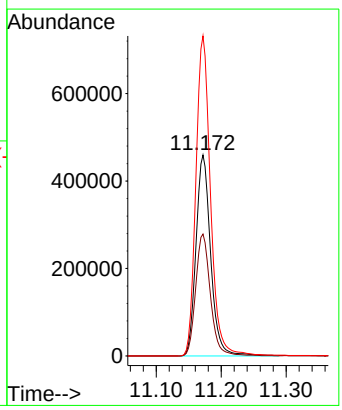




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039338.D
Acq: 05 Nov 2025 16:13

Tgt Ion:152 Resp: 725279

Ion	Ratio	Lower	Upper
152	100		
115	61.0	42.3	126.8
150	158.9	0.0	348.0



Sample Results: **VV039338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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: VV039338.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.195	38	48	72	rBV	405664	1145301	20.40%	3.754%
2	2.571	465	476	491	rBV3	26271	60990	1.09%	0.200%
3	4.500	1061	1076	1094	rBV	789192	2078829	37.03%	6.814%
4	4.597	1094	1106	1155	rVB	1042502	2892571	51.52%	9.481%
5	4.937	1200	1212	1261	rBV	839664	2107729	37.54%	6.908%
6	5.529	1383	1396	1440	rBV	1781255	4025717	71.70%	13.195%
7	7.233	1915	1926	1963	rBV	3047126	5614304	100.00%	18.401%
8	8.773	2392	2405	2428	rBV	2815443	4744865	84.51%	15.552%
9	9.998	2773	2786	2816	rBV	2174264	3508843	62.50%	11.501%
10	11.172	3139	3151	3190	rBV	2713856	4331069	77.14%	14.195%

Sum of corrected areas: 30510218

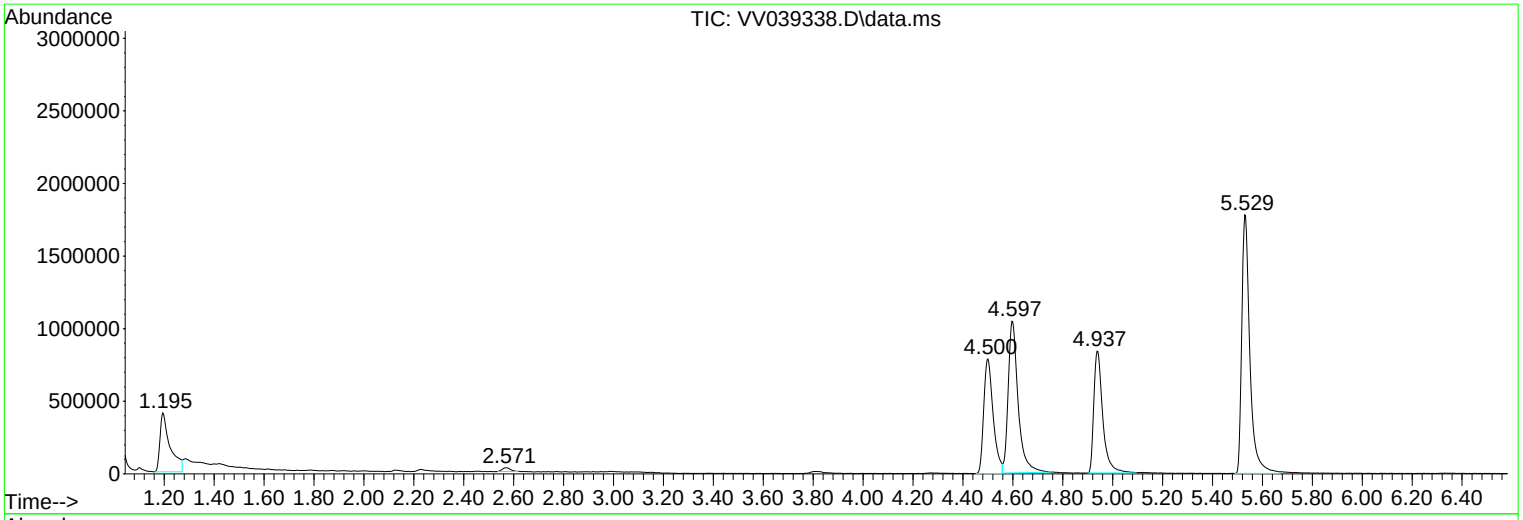
Sample Results: **VV039338.D**

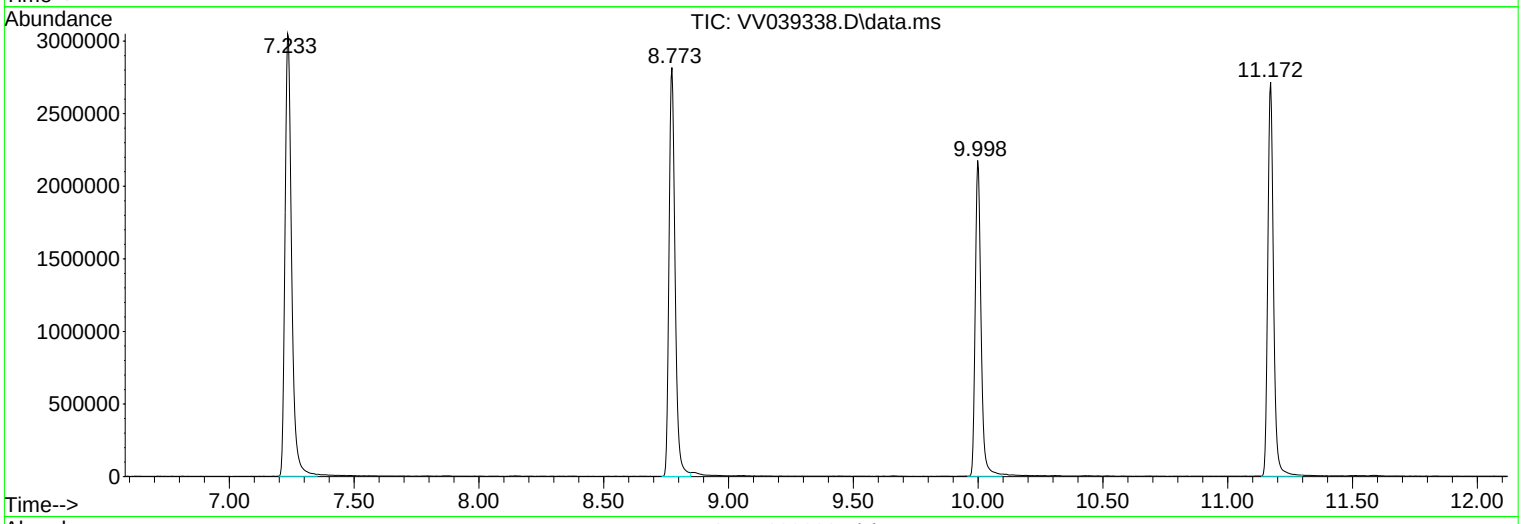
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

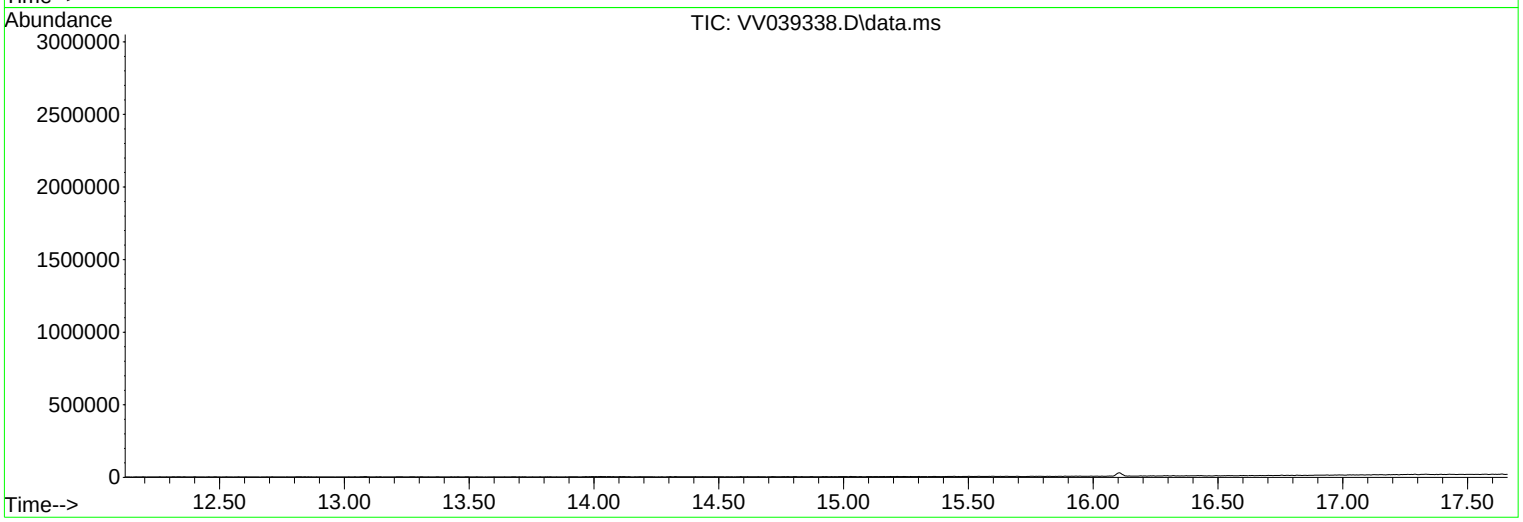
Instrument :
MSVOA_V
ClientSampleId :
MW-8

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







Library Search Compound Report

Sample Results: **VV039338.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039338.D
Acq On : 05 Nov 2025 16:13
Operator : SY/MD
Sample : Q3552-02
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-8

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations APPROVED
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

Quant Time: Nov 06 00:17:34 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	677683	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1221893	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1164477	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	566941	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	521425	54.149	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 108.300%			
35) Dibromofluoromethane	4.500	113	473047	49.134	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 98.260%			
50) Toluene-d8	7.236	98	1469972	44.881	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 89.760%			
62) 4-Bromofluorobenzene	9.998	95	533515	45.738	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 91.480%			
Target Compounds						Qvalue
6) Chloroethane	1.564	64	25937	2.480	ug/l	96
8) Diethyl Ether	1.921	74	28894	5.145	ug/l	99
11) Tert butyl alcohol	2.564	59	322362	172.741	ug/l	97
19) Methyl tert-butyl Ether	2.715	73	19561	0.711	ug/l #	76
22) Diisopropyl ether	3.223	45	9609m	0.369	ug/l	
29) Tetrahydrofuran	4.243	42	98616	26.190	ug/l	95
40) Benzene	5.011	78	587138	15.132	ug/l	99
52) Toluene	7.320	92	11156	0.476	ug/l	89
65) Chlorobenzene	8.802	112	744107	26.993	ug/l	99
68) m/p-Xylenes	9.079	106	6057	0.376	ug/l	94
69) o-Xylene	9.474	106	14029	0.986	ug/l	96
73) Isopropylbenzene	9.857	105	45797	1.330	ug/l	99
78) n-propylbenzene	10.284	91	24208	0.580	ug/l	96
88) 1,4-Dichlorobenzene	11.197	146	108124	5.118	ug/l	93

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

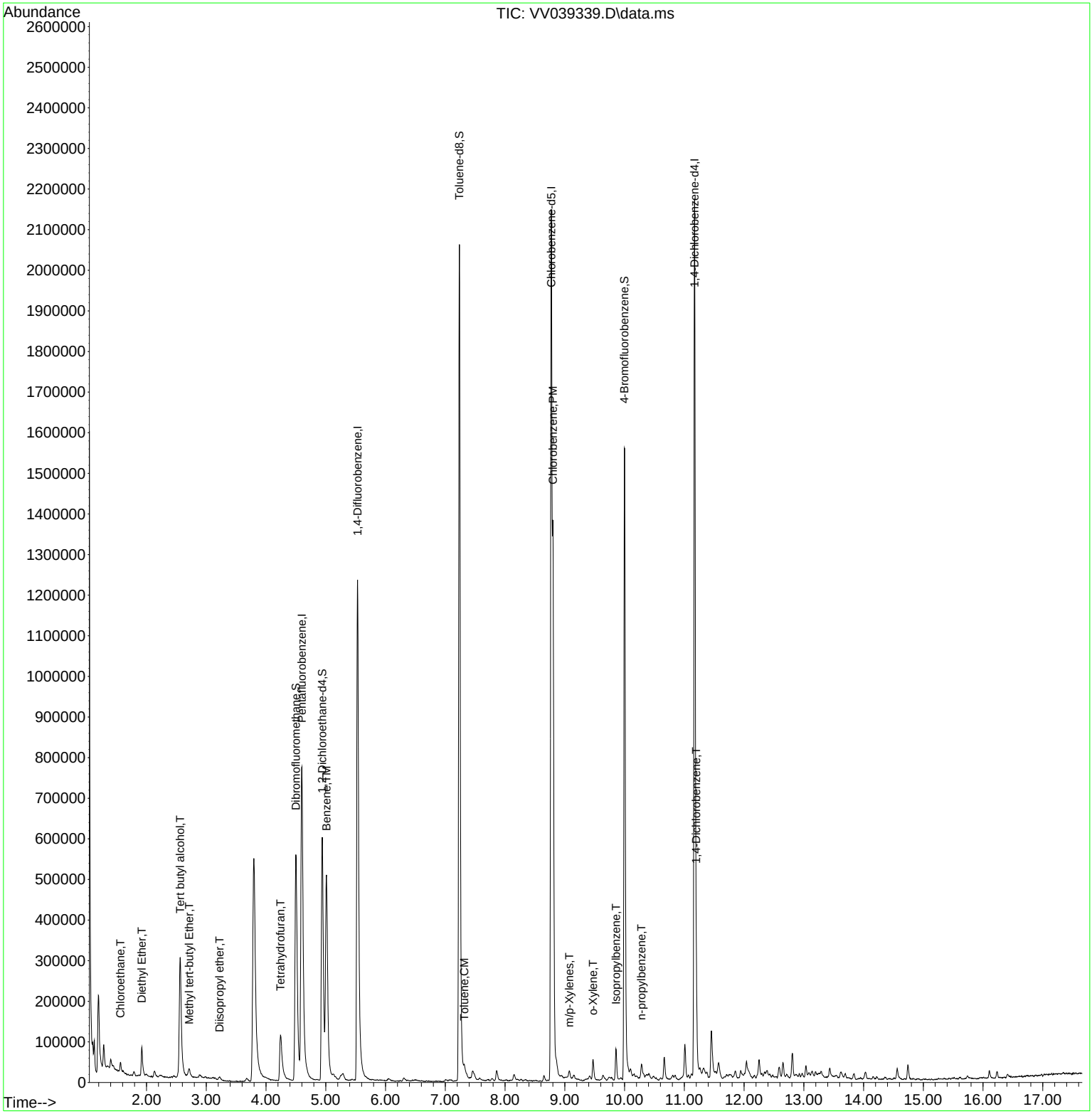
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

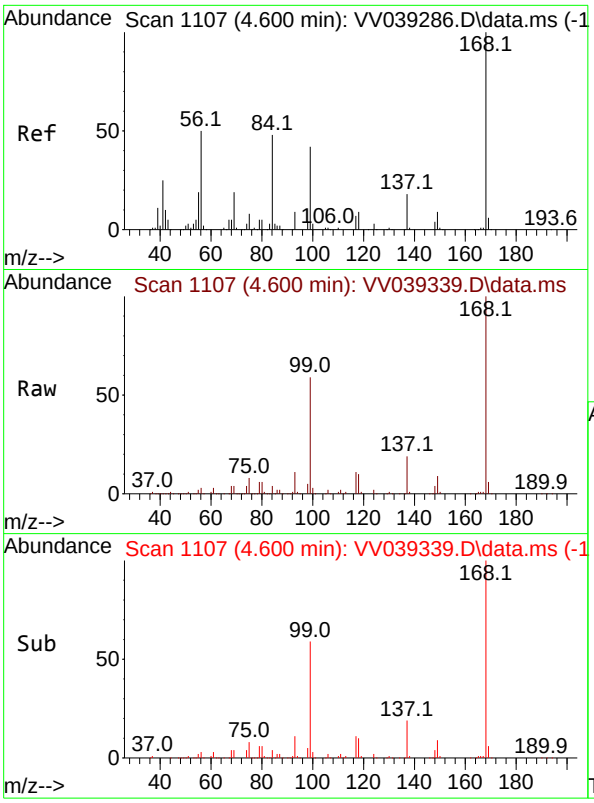
Quant Time: Nov 06 00:17:34 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_V\Method\82V100725W.M
Quant Title : SW846 8260
QLast Update : Wed Oct 08 05:01:26 2025
Response via : Initial Calibration

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

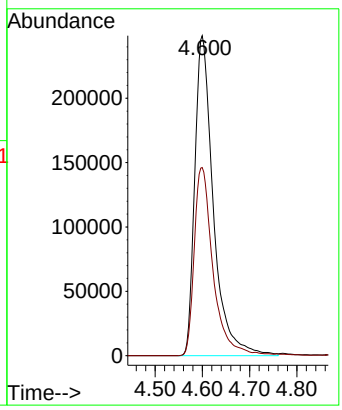




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:168 Resp: 67768

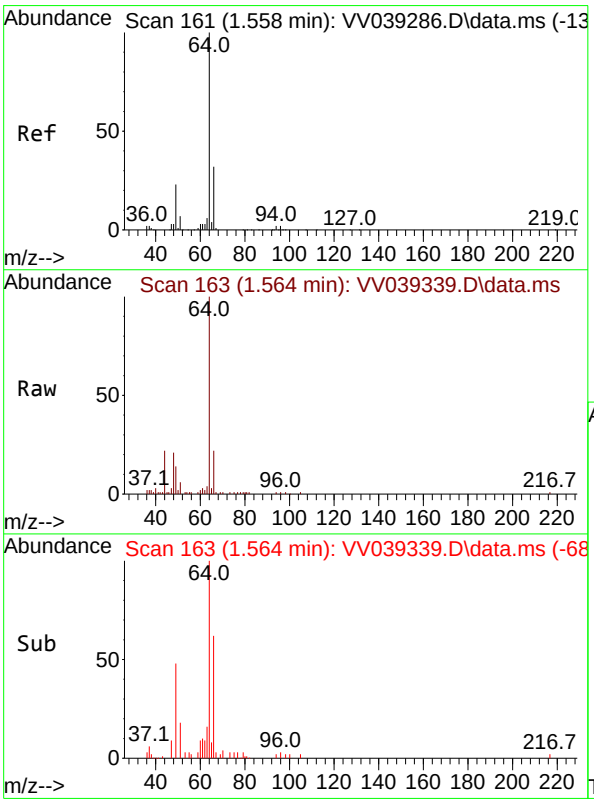
Ion	Ratio	Lower	Upper
168	100		
99	58.8	46.6	70.0



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

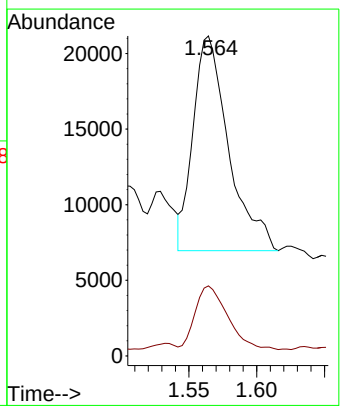
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

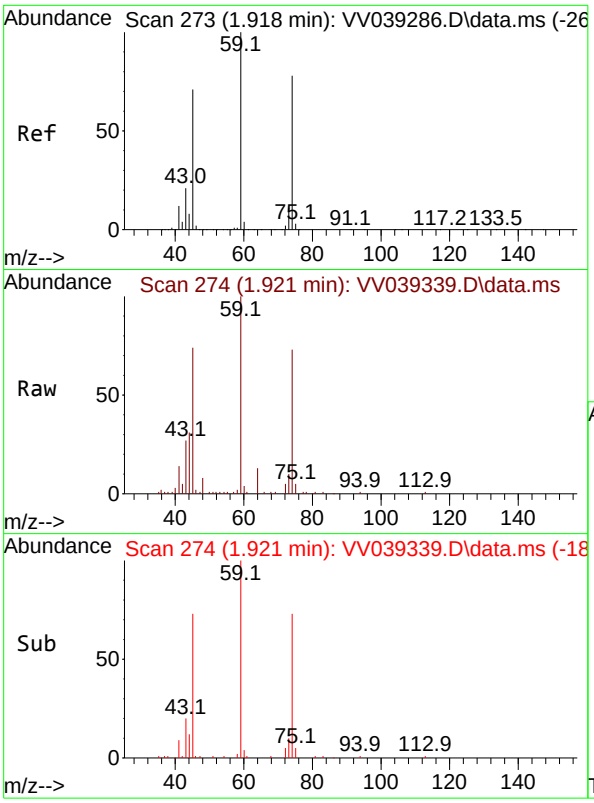


#6
Chloroethane
Concen: 2.480 ug/l
RT: 1.564 min Scan# 163
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 64 Resp: 25937

Ion	Ratio	Lower	Upper
64	100		
66	29.7	25.7	38.5

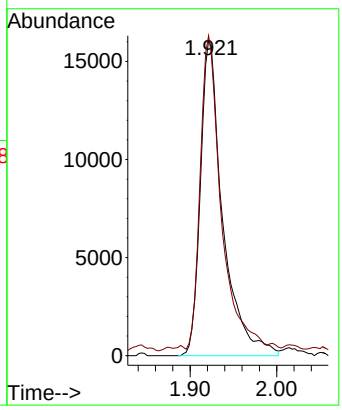




#8
Diethyl Ether
Concen: 5.145 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 74 Resp: 2889

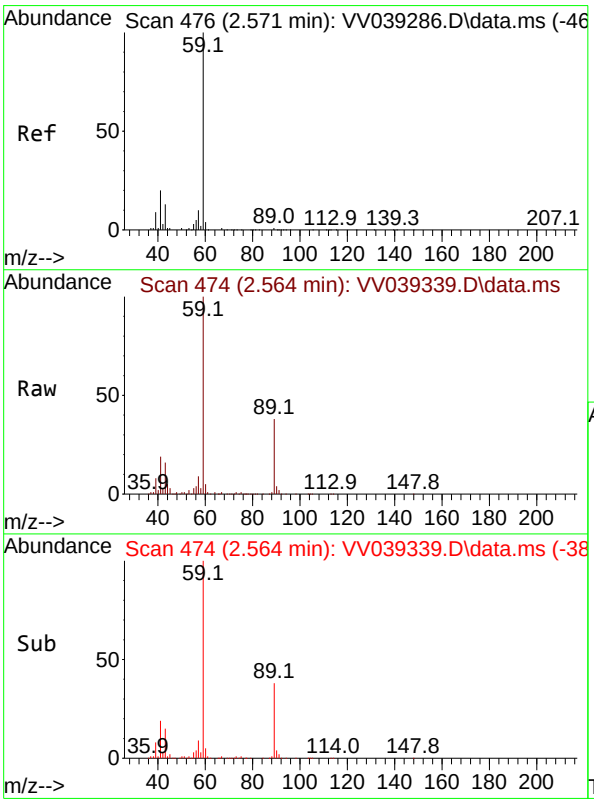
Ion	Ratio	Lower	Upper
74	100		
45	92.7	45.9	137.7



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

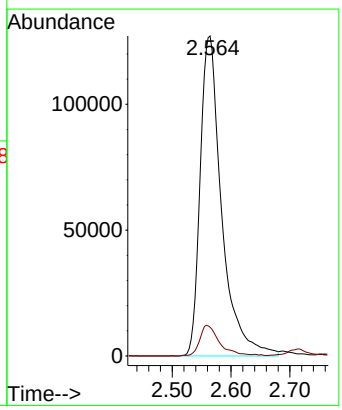
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

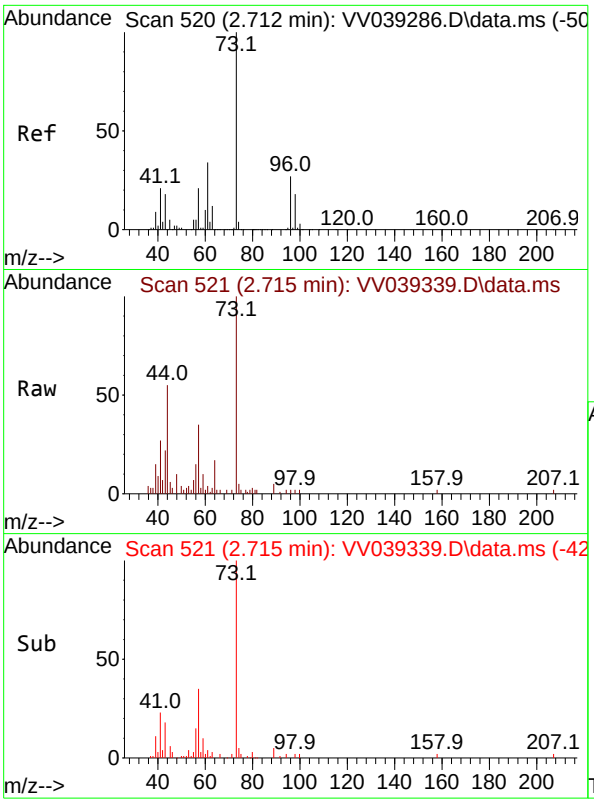


#11
Tert butyl alcohol
Concen: 172.741 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 59 Resp: 322362

Ion	Ratio	Lower	Upper
59	100		
57	8.8	8.1	12.1

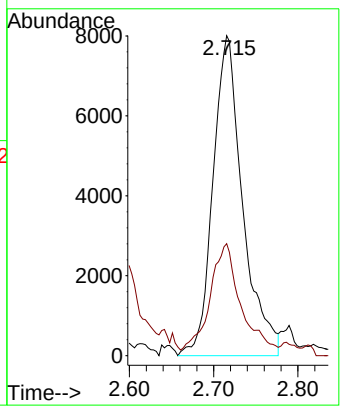




#19
Methyl tert-butyl Ether
Concen: 0.711 ug/l
RT: 2.715 min Scan# 5
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 73 Resp: 1956

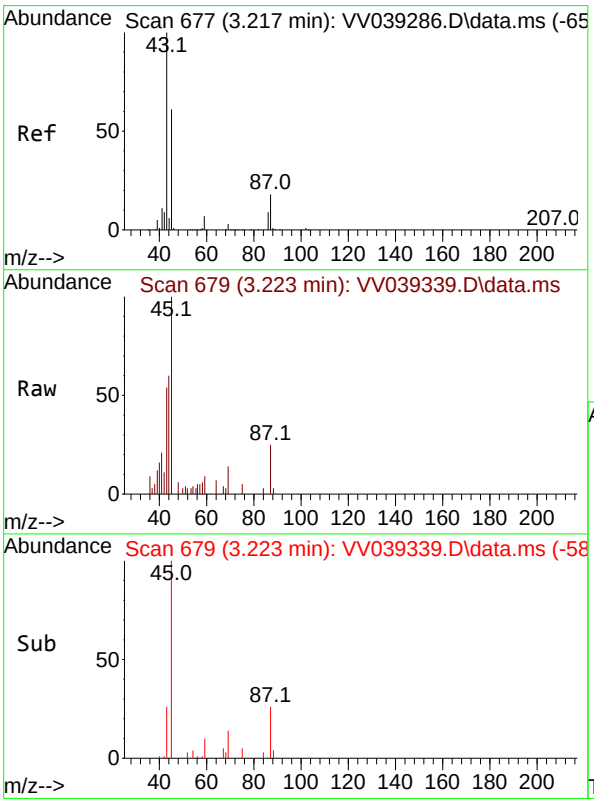
Ion	Ratio	Lower	Upper
73	100		
57	32.4	17.0	25.6#



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

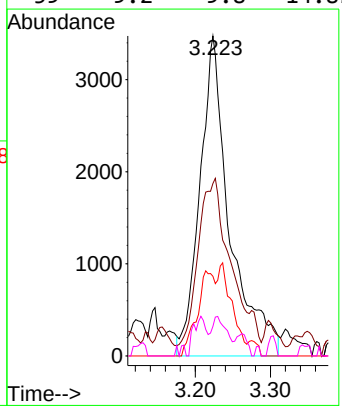
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

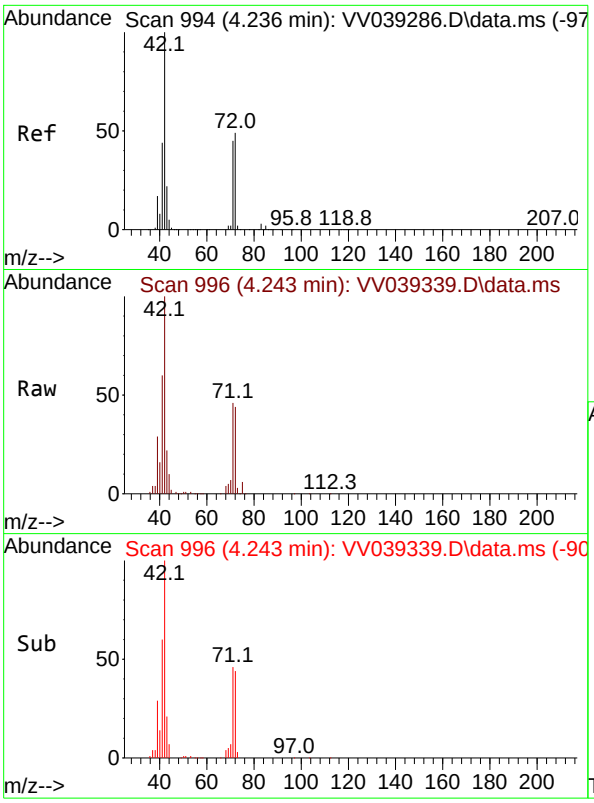


#22
Diisopropyl ether
Concen: 0.369 ug/l m
RT: 3.223 min Scan# 679
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 45 Resp: 9609

Ion	Ratio	Lower	Upper
45	100		
43	53.9	130.8	196.2#
87	24.9	23.8	35.8
59	9.2	9.8	14.8#





#29
Tetrahydrofuran
Concen: 26.190 ug/l
RT: 4.243 min Scan# 9
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

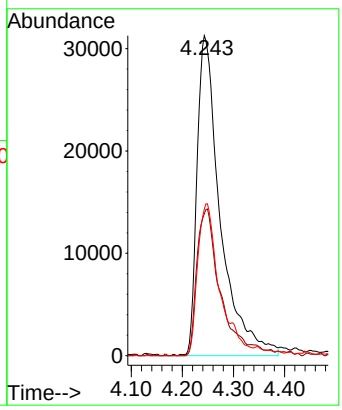
Tgt Ion: 42 Resp: 9861

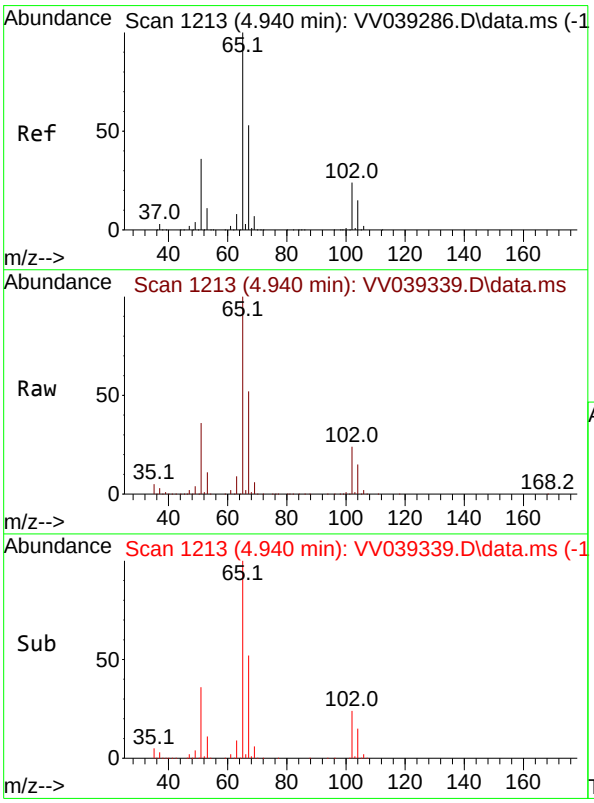
Ion	Ratio	Lower	Upper
42	100		
72	44.5	39.8	59.8
71	44.9	36.5	54.7

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

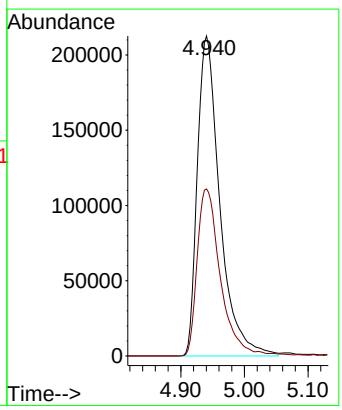


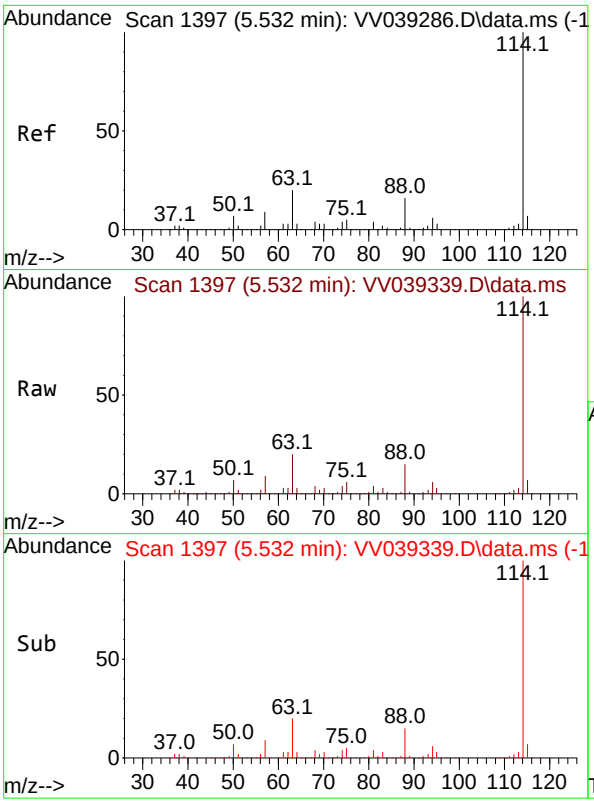


#33
1,2-Dichloroethane-d4
Concen: 54.149 ug/l
RT: 4.940 min Scan# 1213
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 65 Resp: 521425

Ion	Ratio	Lower	Upper
65	100		
67	53.6	0.0	108.4

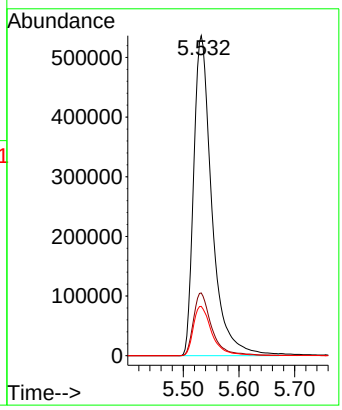




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:114 Resp: 122189

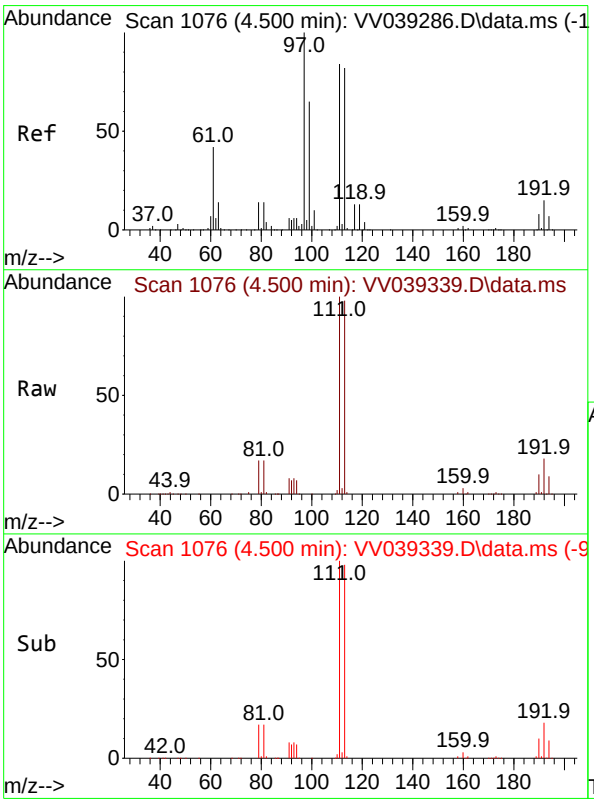
Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.4	0.0	31.6



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

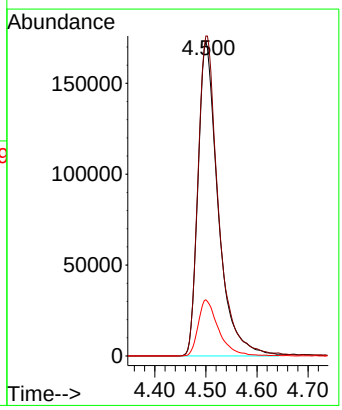
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

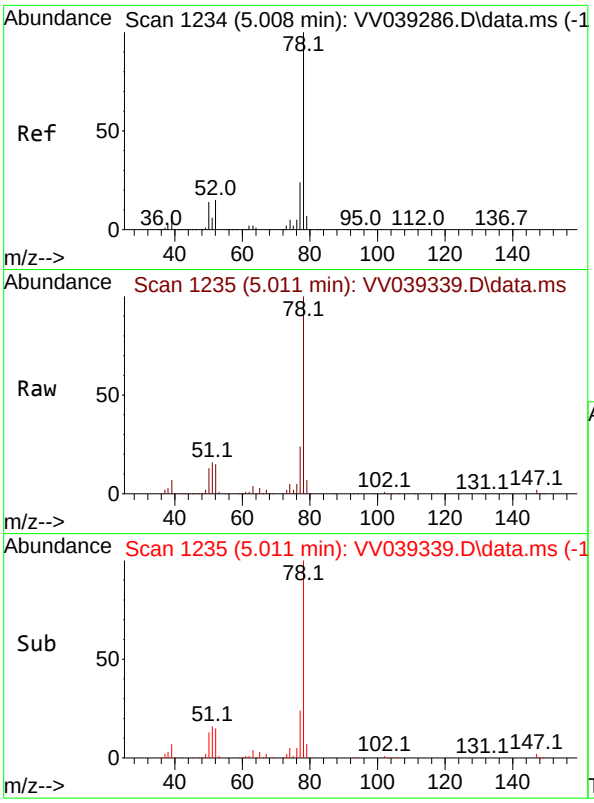


#35
Dibromofluoromethane
Concen: 49.134 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:113 Resp: 473047

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.0	14.3	21.5

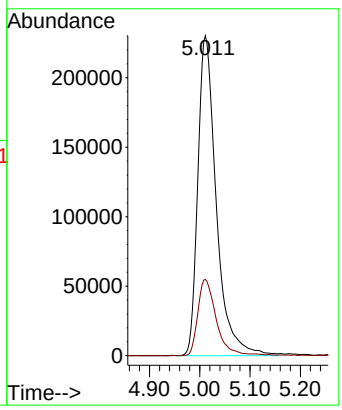




#40
Benzene
Concen: 15.132 ug/l
RT: 5.011 min Scan# 1
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 78 Resp: 58713

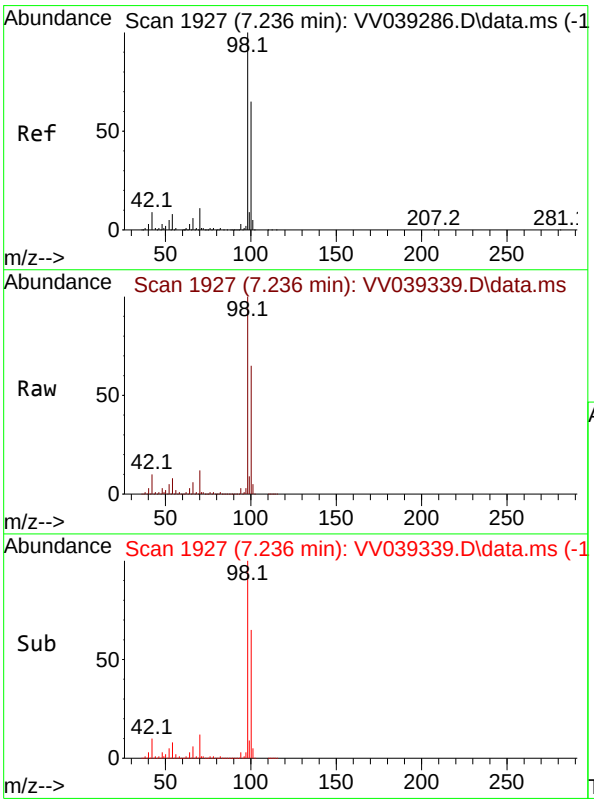
Ion	Ratio	Lower	Upper
78	100		
77	23.9	18.9	28.3



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

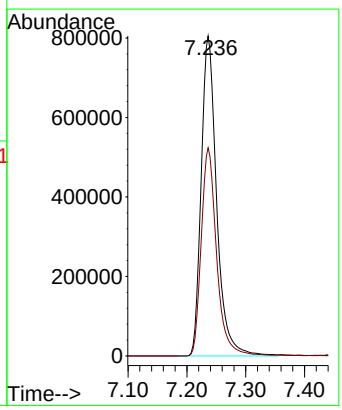
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

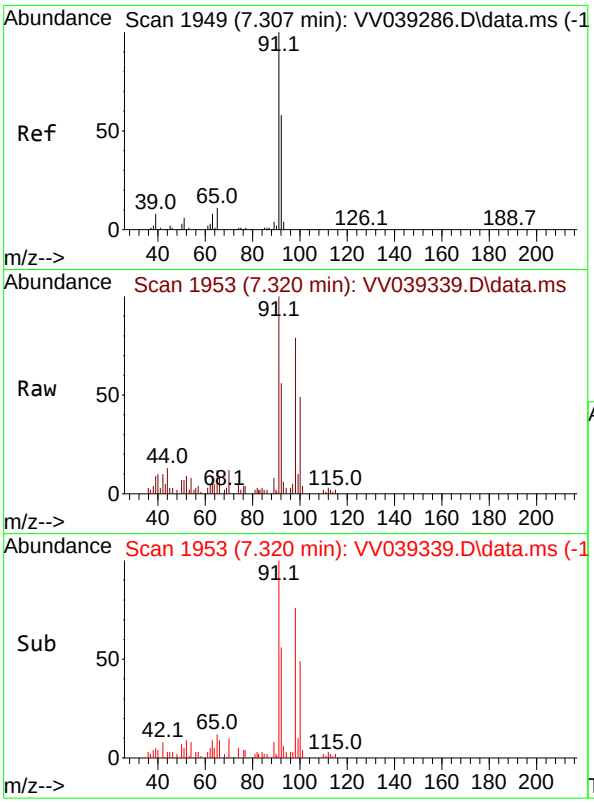


#50
Toluene-d8
Concen: 44.881 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 98 Resp: 1469972

Ion	Ratio	Lower	Upper
98	100		
100	65.0	52.8	79.2





#52
Toluene
Concen: 0.476 ug/l
RT: 7.320 min Scan# 1
Delta R.T. 0.013 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

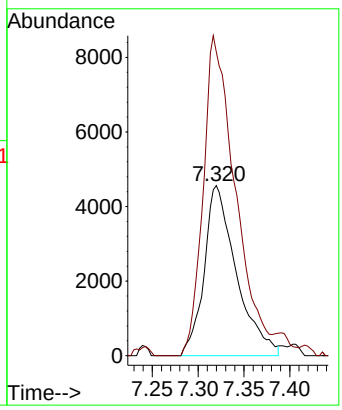
Tgt Ion: 92 Resp: 1115

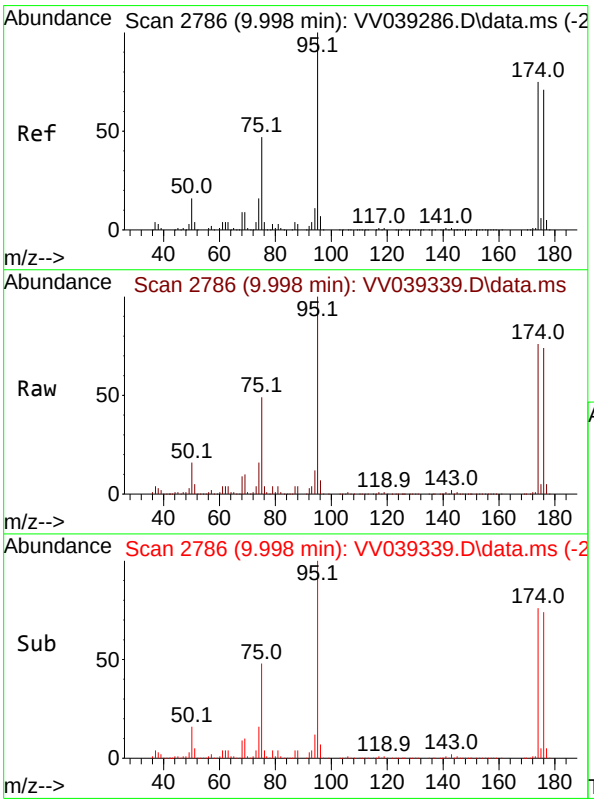
Ion	Ratio	Lower	Upper
92	100		
91	187.3	137.3	205.9

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

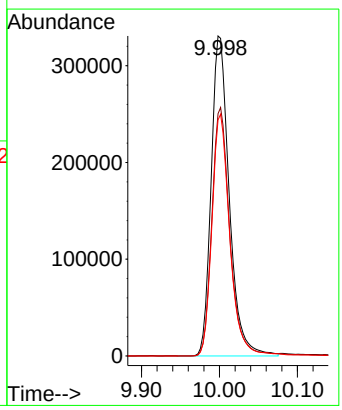


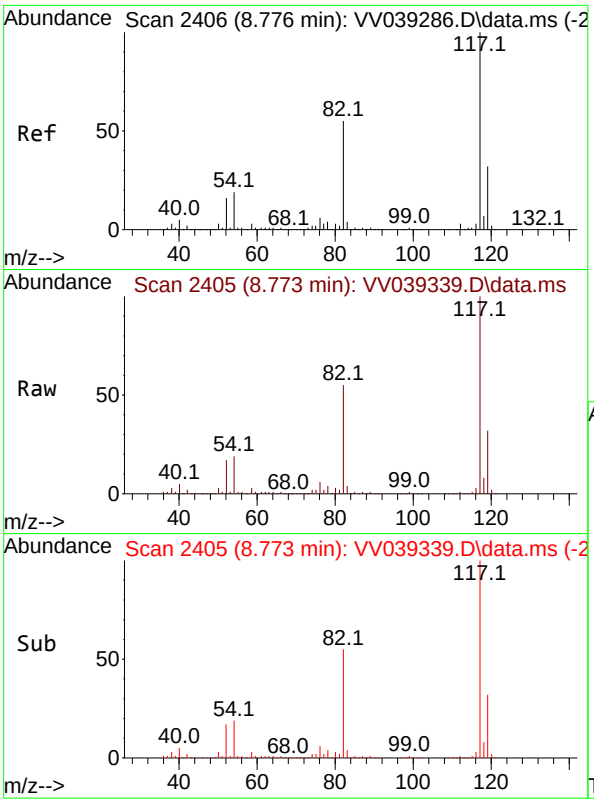


#62
4-Bromofluorobenzene
Concen: 45.738 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 95 Resp: 533515

Ion	Ratio	Lower	Upper
95	100		
174	78.0	0.0	153.6
176	74.6	0.0	146.0





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

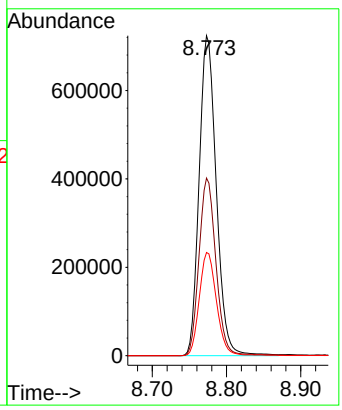
Tgt Ion:117 Resp: 116447

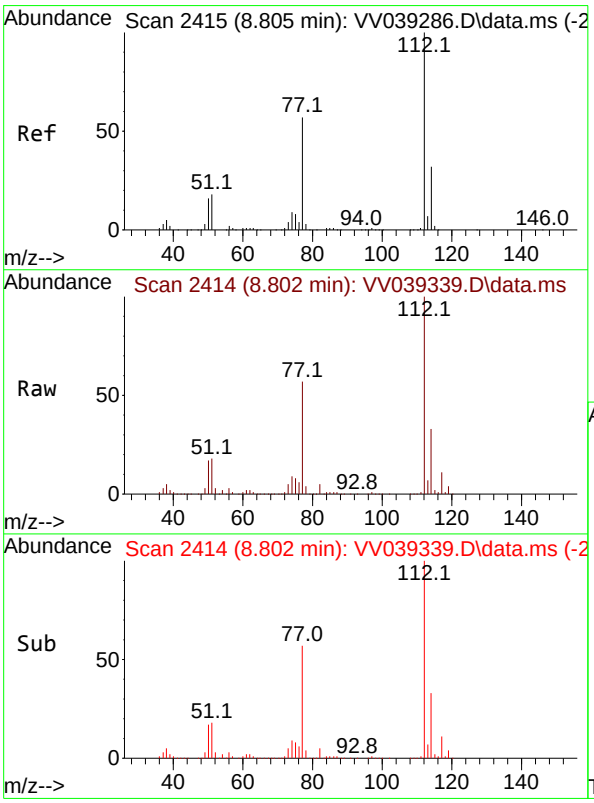
Ion	Ratio	Lower	Upper
117	100		
82	55.5	43.8	65.8
119	32.3	25.8	38.6

Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

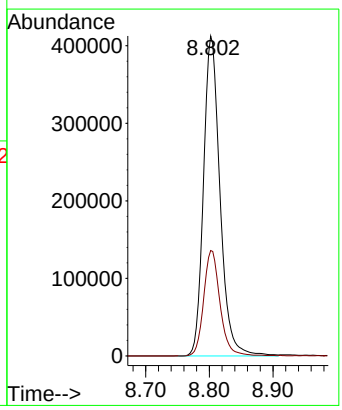


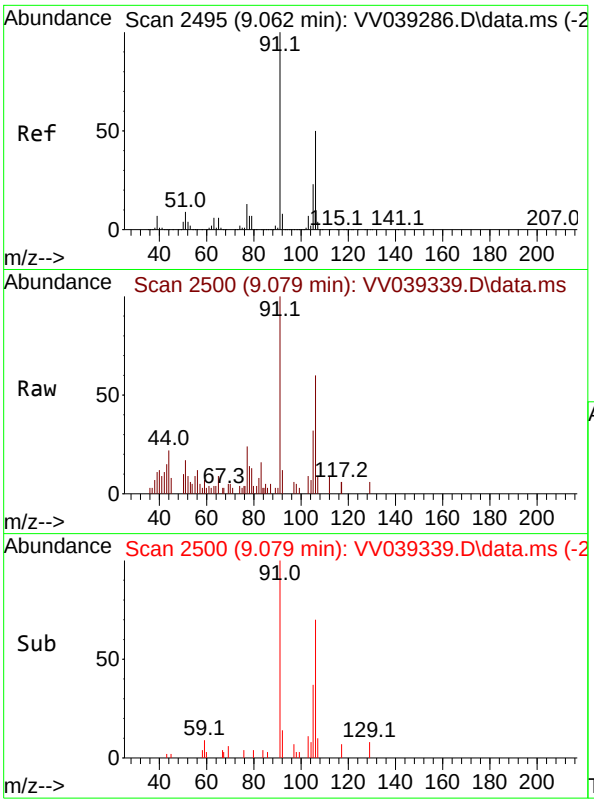


#65
Chlorobenzene
Concen: 26.993 ug/l
RT: 8.802 min Scan# 2414
Delta R.T. -0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:112 Resp: 744107

Ion	Ratio	Lower	Upper
112	100		
114	32.9	25.7	38.5

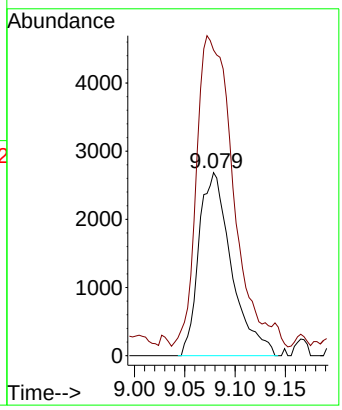




#68
m/p-Xylenes
Concen: 0.376 ug/l
RT: 9.079 min Scan# 2
Delta R.T. 0.016 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:106 Resp: 605

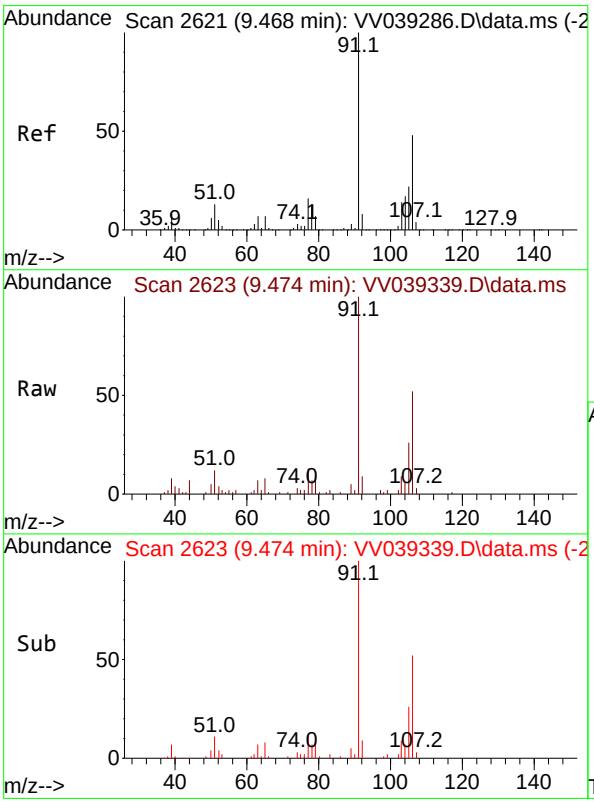
Ion	Ratio	Lower	Upper
106	100		
91	191.3	160.2	240.2



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

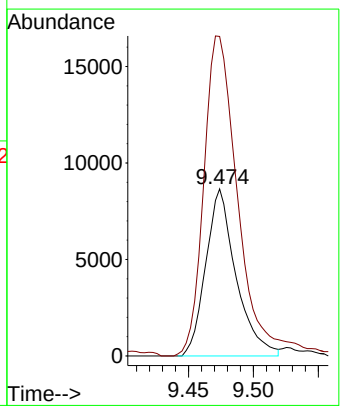
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

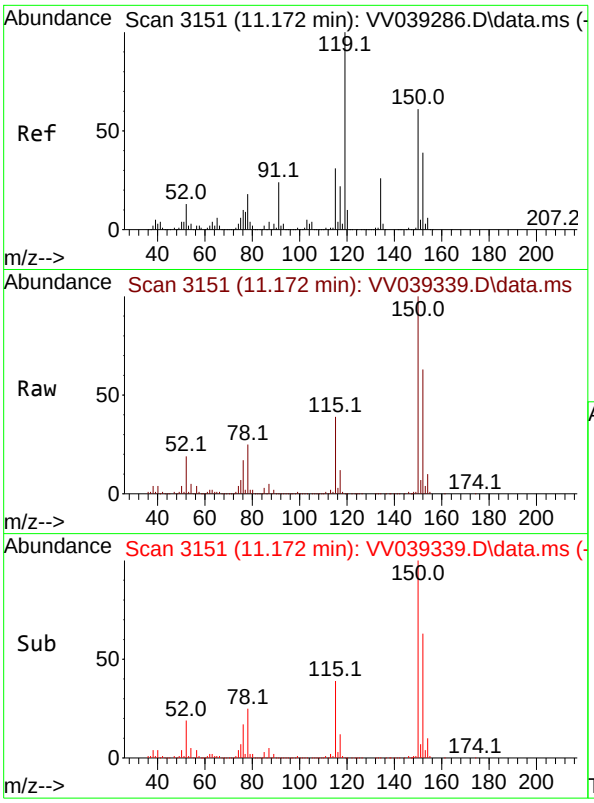


#69
o-Xylene
Concen: 0.986 ug/l
RT: 9.474 min Scan# 2623
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:106 Resp: 14029

Ion	Ratio	Lower	Upper
106	100		
91	217.7	105.8	317.3

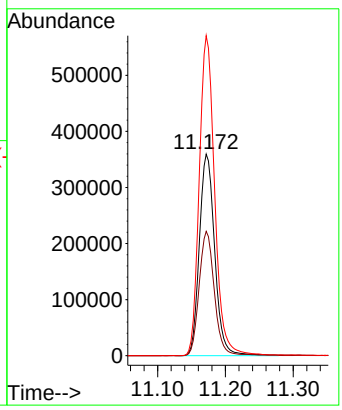




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:152 Resp: 56694

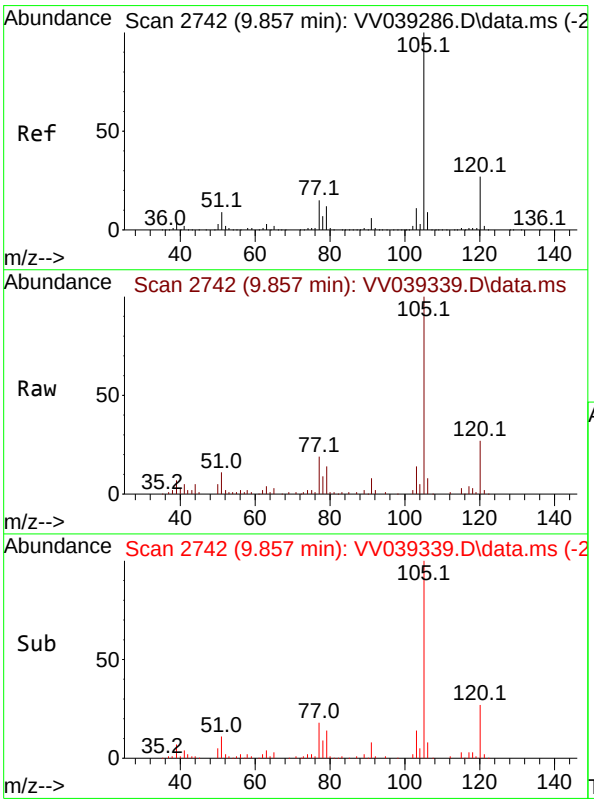
Ion	Ratio	Lower	Upper
152	100		
115	60.5	42.3	126.8
150	159.2	0.0	348.0



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

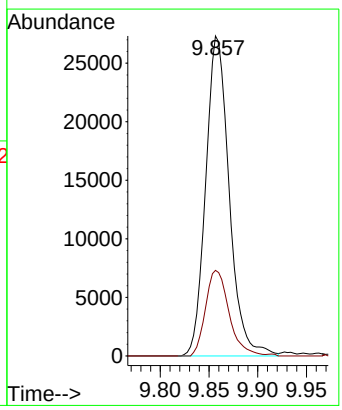
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025

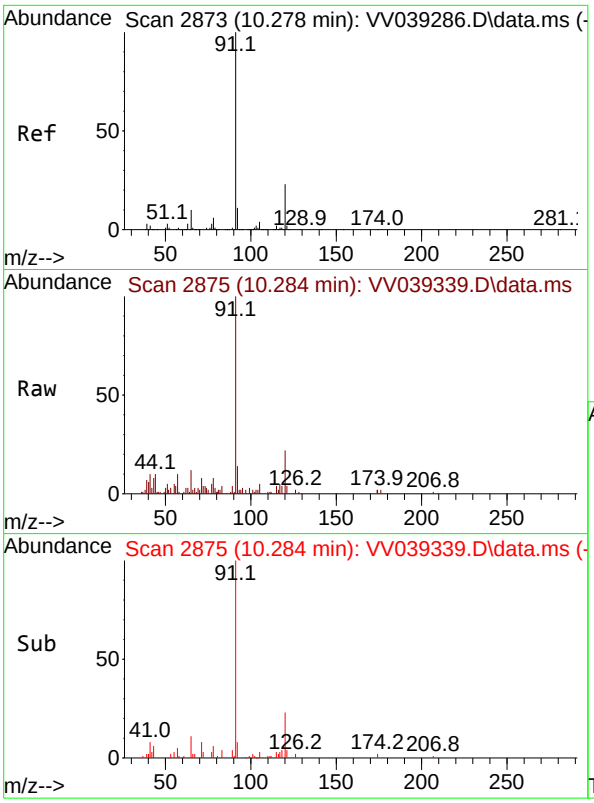


#73
Isopropylbenzene
Concen: 1.330 ug/l
RT: 9.857 min Scan# 2742
Delta R.T. -0.000 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:105 Resp: 45797

Ion	Ratio	Lower	Upper
105	100		
120	26.8	13.2	39.5

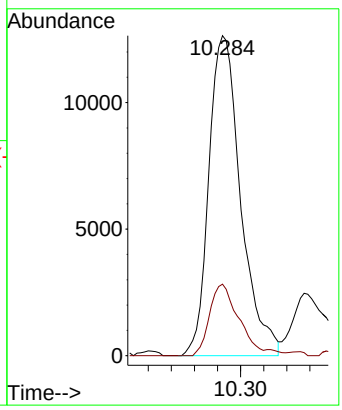




#78
n-propylbenzene
Concen: 0.580 ug/l
RT: 10.284 min Scan# 2
Delta R.T. 0.006 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion: 91 Resp: 2420

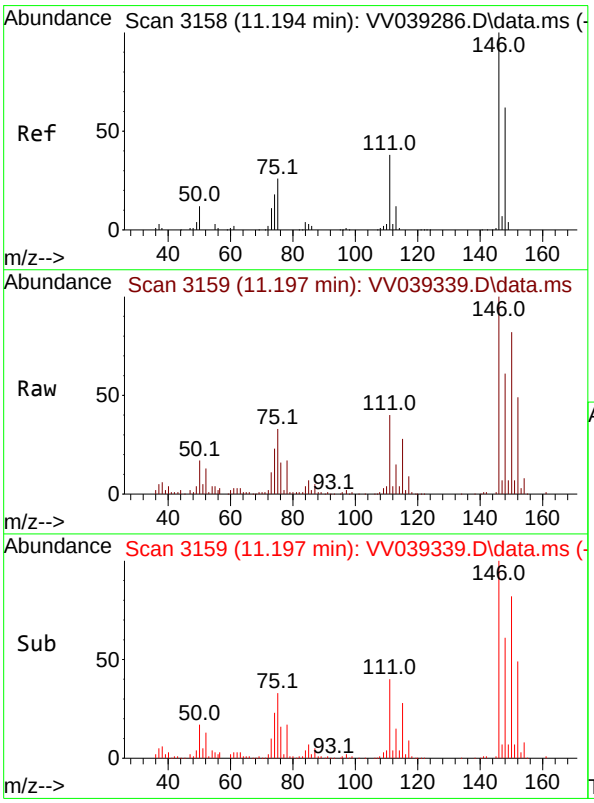
Ion	Ratio	Lower	Upper
91	100		
120	21.0	11.5	34.5



Instrument :
MSVOA_V
ClientSampleId :
MW-9

Manual Integrations
APPROVED

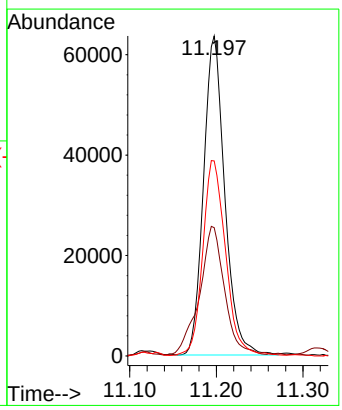
Reviewed By :Amit Patel 11/06/2025
Supervised By :Mahesh Dadoda 11/06/2025



#88
1,4-Dichlorobenzene
Concen: 5.118 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039339.D
Acq: 05 Nov 2025 16:35

Tgt Ion:146 Resp: 108124

Ion	Ratio	Lower	Upper
146	100		
111	47.6	19.7	59.0
148	65.6	31.5	94.5



LSC Area Percent Report

Sample Results: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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: VV039339.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	23	27	38	rVB	78622	93613	2.48%	0.335%
2	1.195	39	48	68	rBV2	189168	413767	10.95%	1.482%
3	1.281	70	75	89	rVB2	55589	88700	2.35%	0.318%
4	1.921	266	274	291	rBV	69459	115181	3.05%	0.413%
5	2.564	459	474	502	rBV3	291338	715225	18.92%	2.562%
6	3.796	836	857	895	rBV	548755	1832012	48.47%	6.561%
7	4.243	985	996	1028	rBV3	111135	345399	9.14%	1.237%
8	4.500	1061	1076	1095	rBV	555189	1464092	38.74%	5.244%
9	4.600	1095	1107	1156	rVB	768573	2133889	56.46%	7.643%
10	4.940	1201	1213	1225	rBV	597905	1358729	35.95%	4.866%
11	5.011	1226	1235	1266	rVB	495844	1253246	33.16%	4.489%
12	5.532	1384	1397	1438	rBV	1232453	2821988	74.67%	10.107%
13	7.236	1915	1927	1949	rBV	2058593	3779369	100.00%	13.536%
14	7.860	2110	2121	2134	rBV	24289	49588	1.31%	0.178%
15	8.773	2393	2405	2411	rBV	2145699	3622965	95.86%	12.976%
16	9.471	2614	2622	2642	rVB2	50123	88591	2.34%	0.317%
17	9.857	2732	2742	2755	rBV	76661	127124	3.36%	0.455%
18	9.998	2776	2786	2811	rBV	1555063	2561603	67.78%	9.175%
19	10.284	2865	2875	2892	rBV	33948	76798	2.03%	0.275%
20	10.667	2984	2994	3007	rBV	52604	88795	2.35%	0.318%
21	11.011	3086	3101	3113	rBV5	80337	137943	3.65%	0.494%
22	11.172	3140	3151	3175	rBV	2158258	3765948	99.64%	13.488%
23	11.455	3229	3239	3255	rBV2	114642	239107	6.33%	0.856%
24	11.574	3269	3276	3295	rVB8	38491	91004	2.41%	0.326%
25	11.943	3384	3391	3405	rBV4	17109	37935	1.00%	0.136%
26	12.040	3413	3421	3446	rVB3	37827	100651	2.66%	0.360%
27	12.252	3472	3487	3498	rBV3	43832	92756	2.45%	0.332%
28	12.590	3581	3592	3602	rBV3	26587	54600	1.44%	0.196%
29	12.651	3603	3611	3624	rVB2	35162	61958	1.64%	0.222%
30	12.808	3646	3660	3670	rBV4	61009	112635	2.98%	0.403%
31	13.037	3723	3731	3739	rBV6	26929	43287	1.15%	0.155%
32	14.033	4025	4041	4050	rBV6	17558	38837	1.03%	0.139%
33	14.564	4196	4206	4224	rVB	25335	47579	1.26%	0.170%
34	14.744	4251	4262	4275	rBV2	36374	65910	1.74%	0.236%

Sum of corrected areas: 27920824

Instrument :
MSVOA_V
ClientSampleId :
MW-9

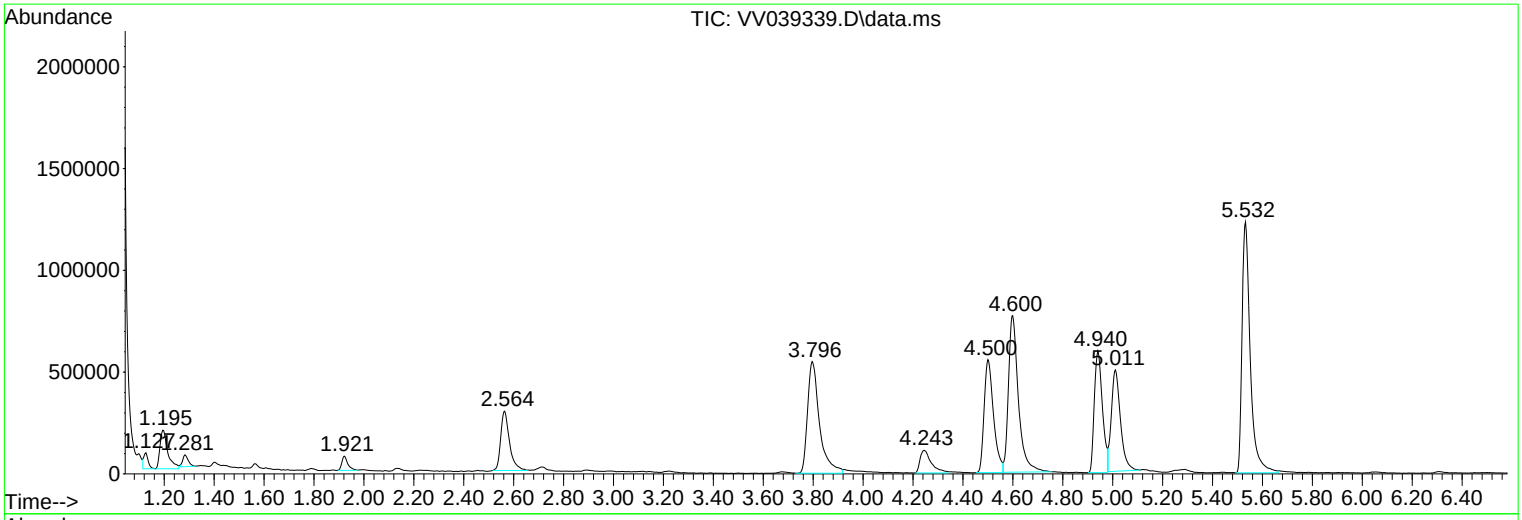
Sample Results: **VV039339.D**

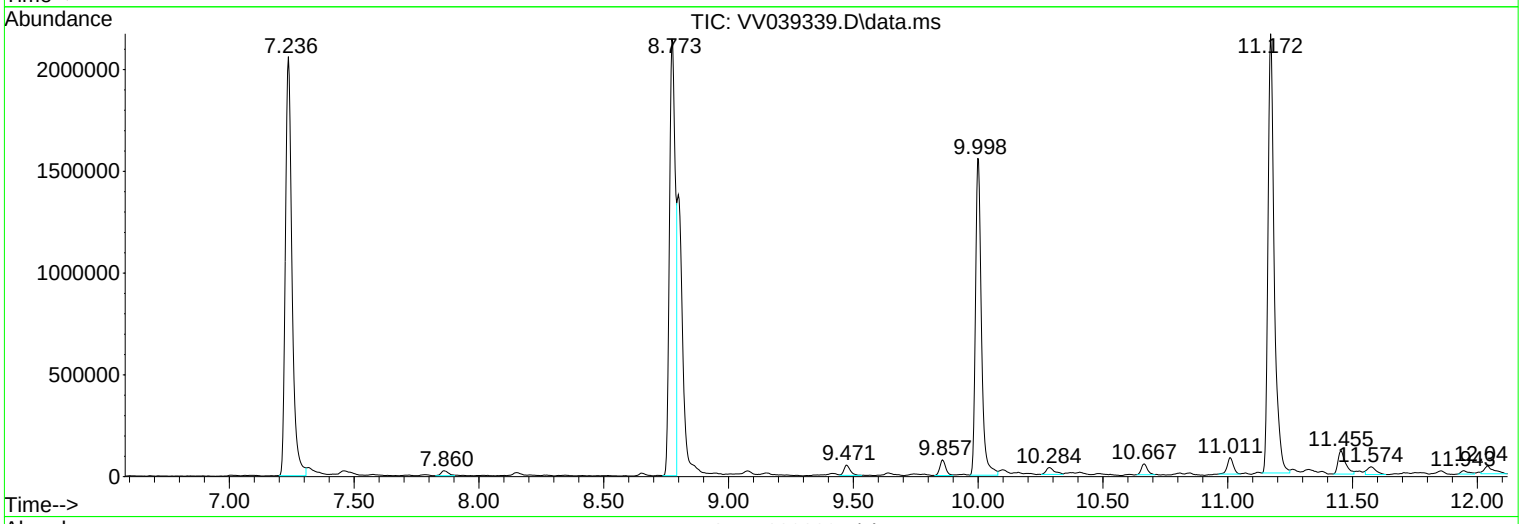
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

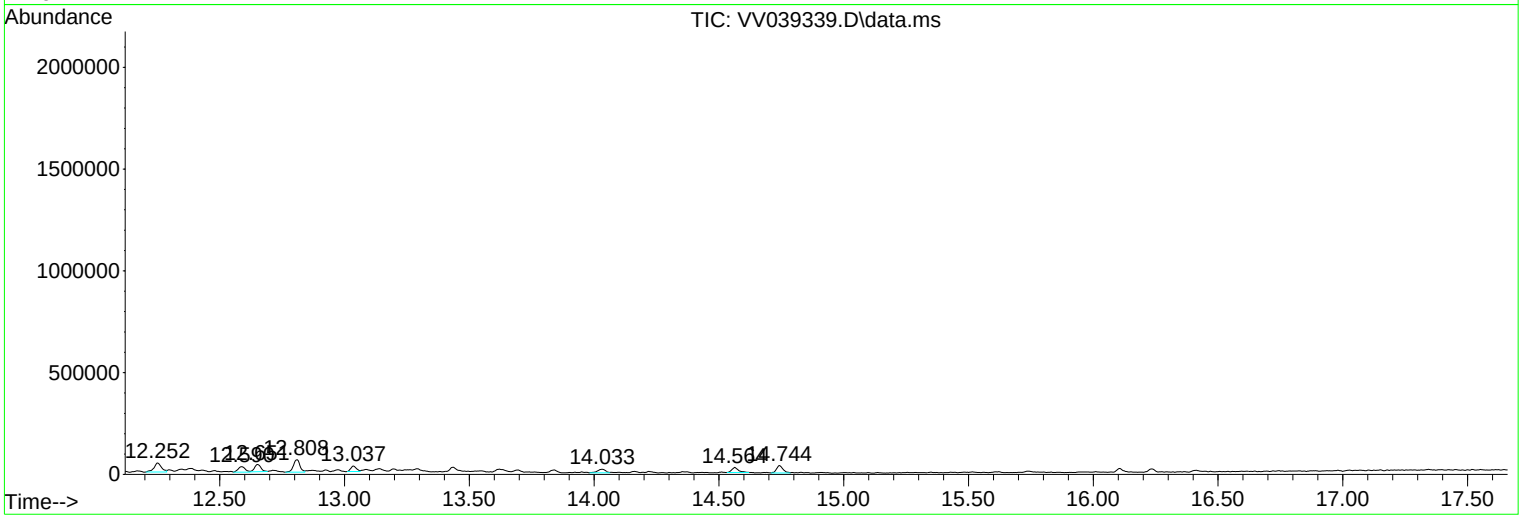
Instrument :
MSVOA_V
ClientSampleId :
MW-9

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







Sample Results: **VV039339.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039339.D
Acq On : 05 Nov 2025 16:35
Operator : SY/MD
Sample : Q3552-03
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-9

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 #	Internal Standard RT	Internal Standard Resp	Internal Standard Conc

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Quant Time: Nov 06 00:18:14 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	602545	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1106968	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1064655	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	465301	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	487765	56.970	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 113.940%			
35) Dibromofluoromethane	4.500	113	437090	50.113	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 100.220%			
50) Toluene-d8	7.236	98	1353951	45.630	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 91.260%			
62) 4-Bromofluorobenzene	9.998	95	444508	42.064	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 84.120%#			

Target Compounds Qvalue

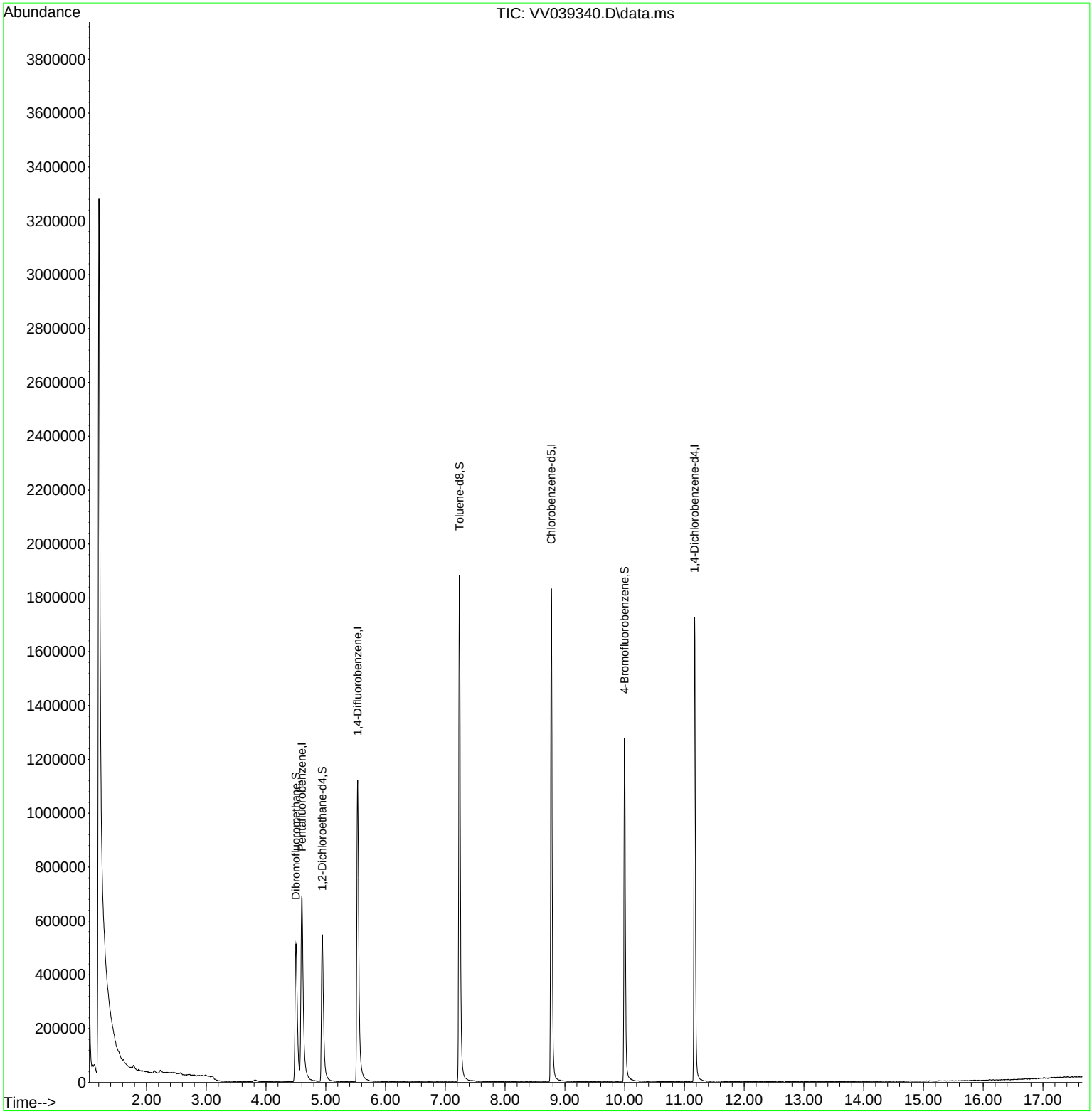
(#) = qualifier out of range (m) = manual integration (+) = signals summed

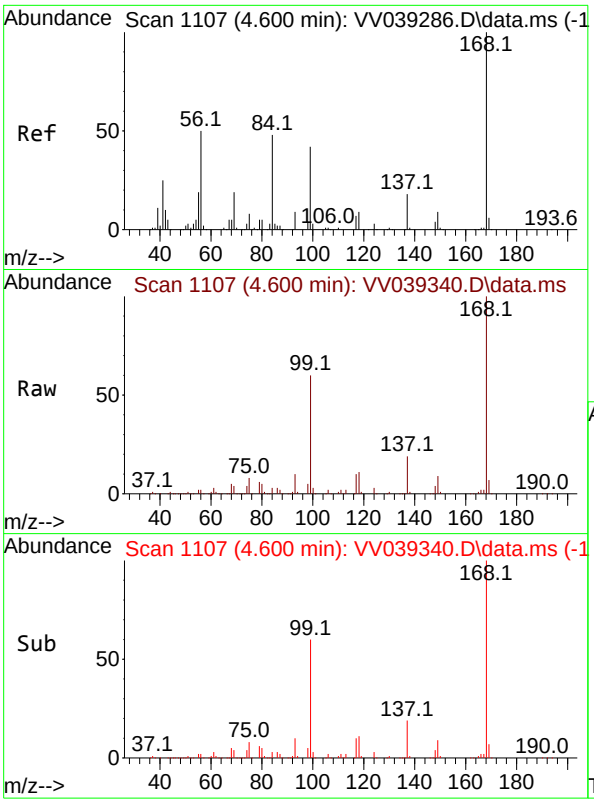
Sample Results: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Quant Time: Nov 06 00:18:14 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



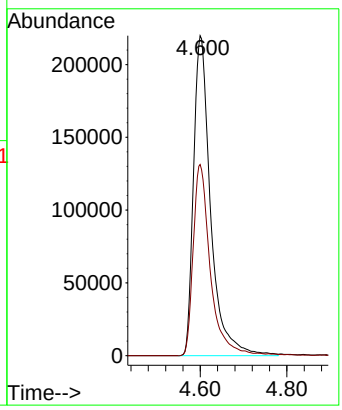


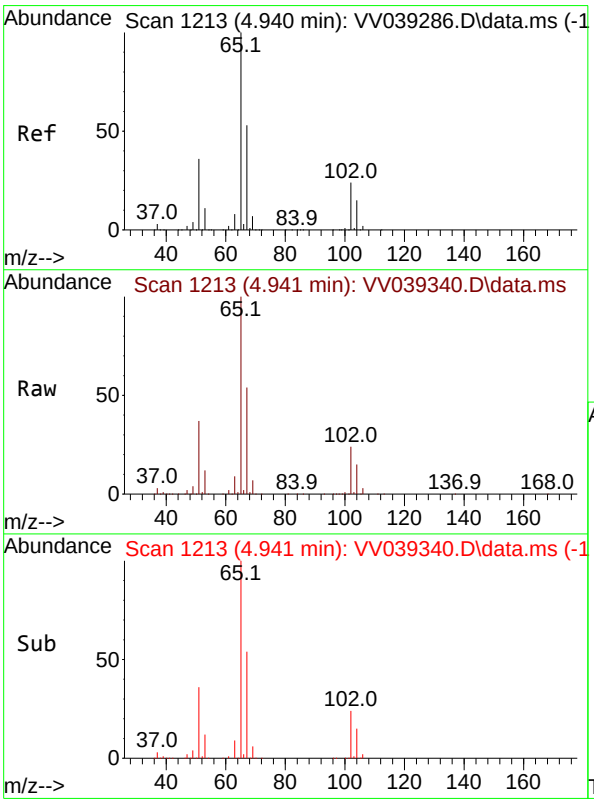
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:168 Resp: 602545

Ion	Ratio	Lower	Upper
168	100		
99	59.7	46.6	70.0

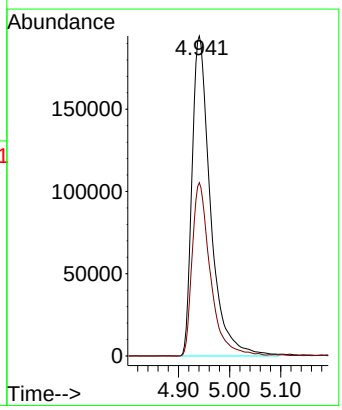


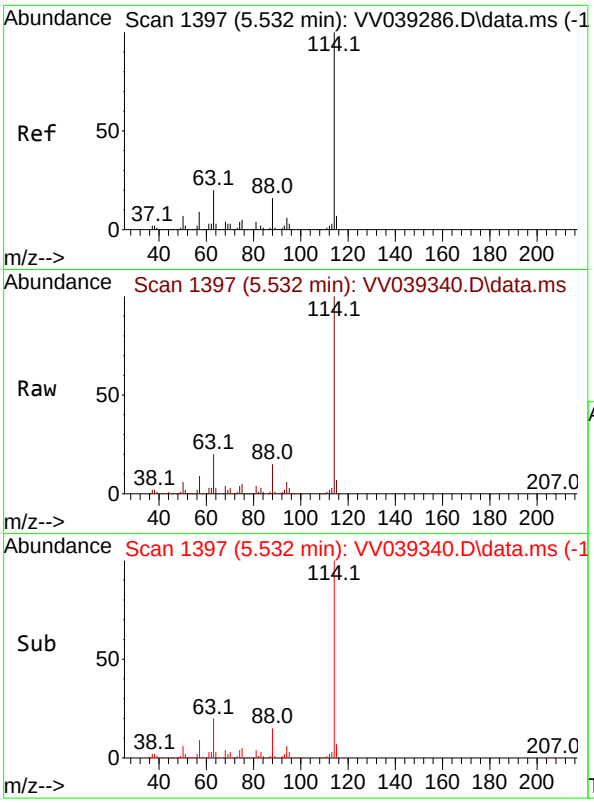


#33
1,2-Dichloroethane-d4
Concen: 56.970 ug/l
RT: 4.941 min Scan# 1213
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion: 65 Resp: 487765

Ion	Ratio	Lower	Upper
65	100		
67	53.2	0.0	108.4



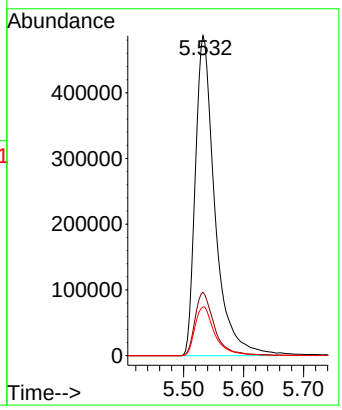


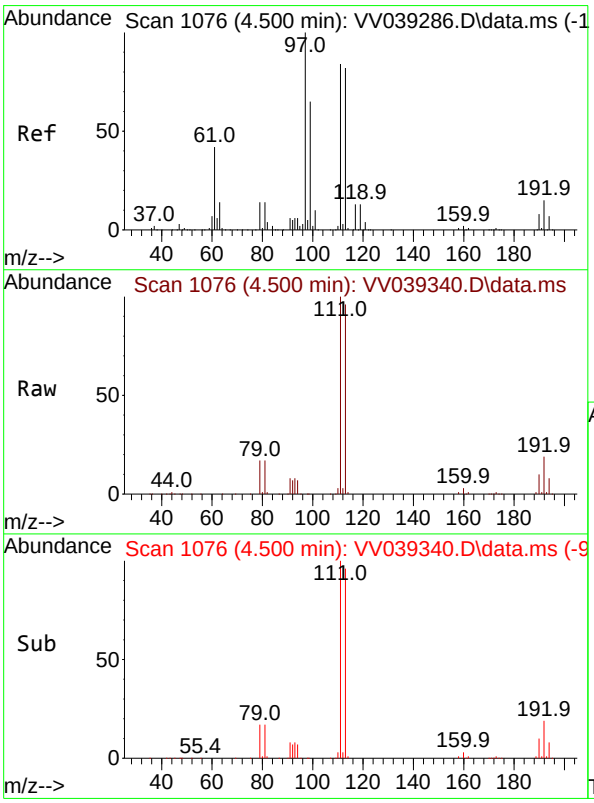
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:114 Resp: 1106968

Ion	Ratio	Lower	Upper
114	100		
63	19.8	0.0	39.6
88	15.3	0.0	31.6

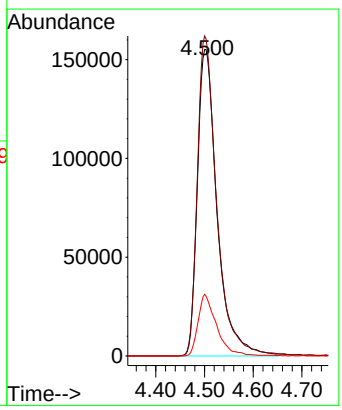


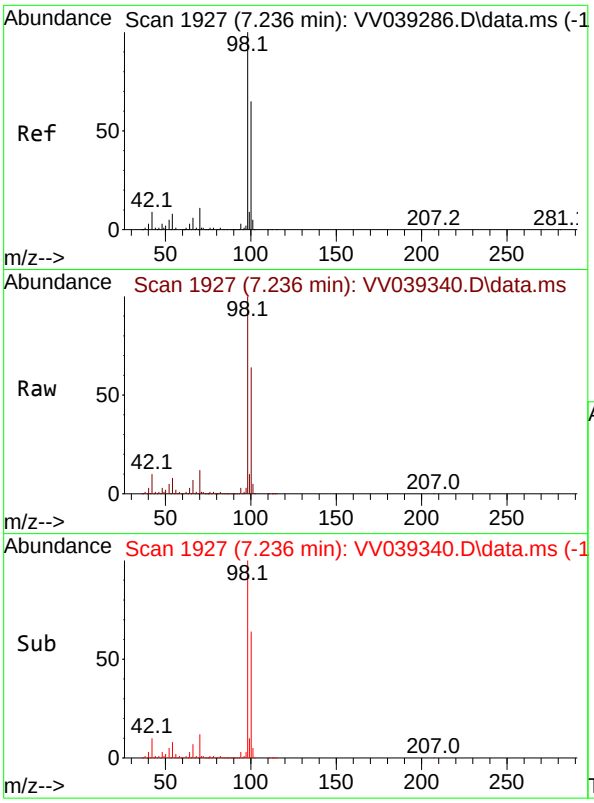


#35
Dibromofluoromethane
Concen: 50.113 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion:113 Resp: 437090

Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.0	123.0
192	18.8	14.3	21.5



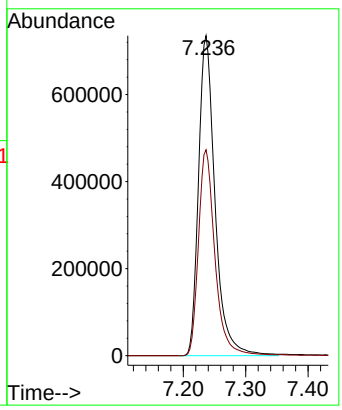


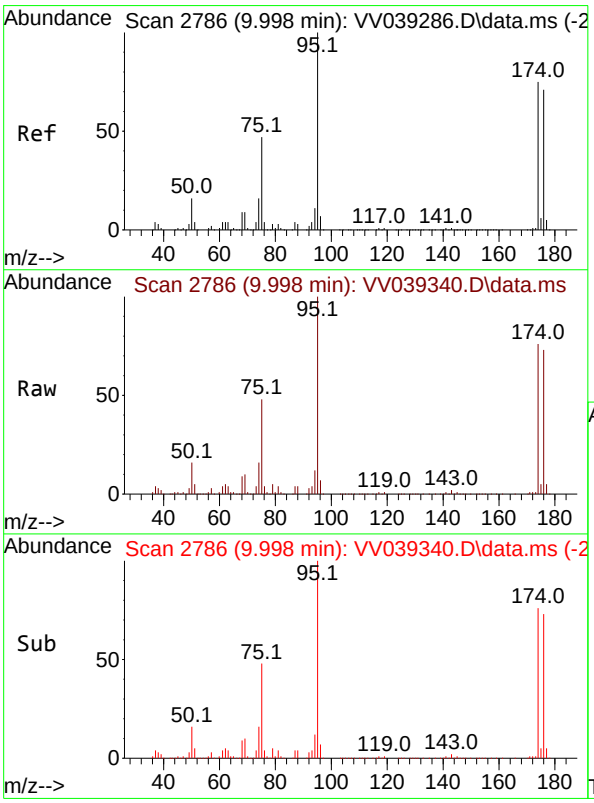
#50
Toluene-d8
Concen: 45.630 ug/l
RT: 7.236 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion: 98 Resp: 1353951

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2

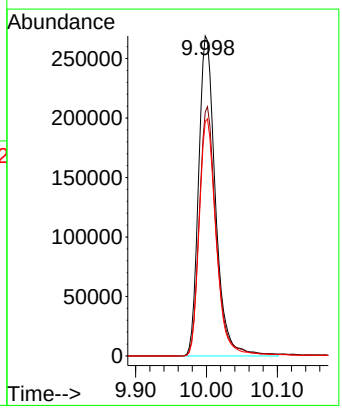


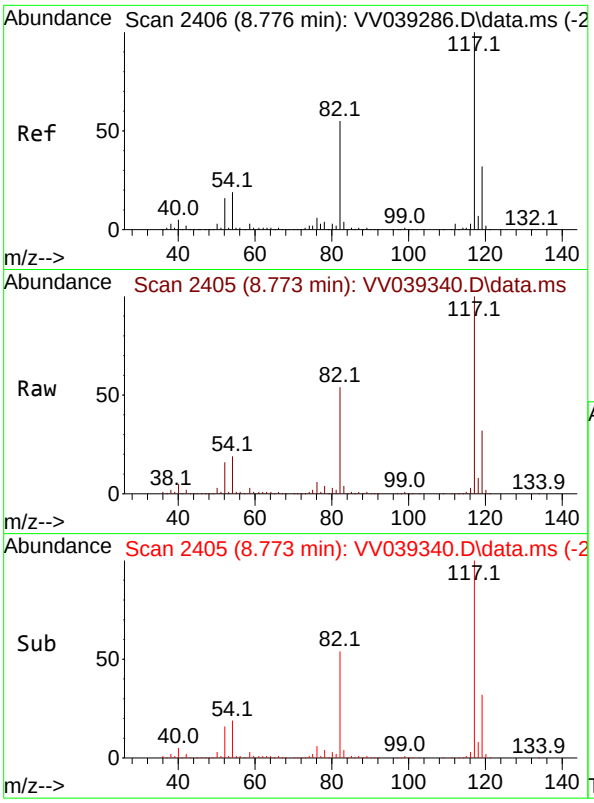


#62
4-Bromofluorobenzene
Concen: 42.064 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion: 95 Resp: 444508

Ion	Ratio	Lower	Upper
95	100		
174	78.6	0.0	153.6
176	74.3	0.0	146.0



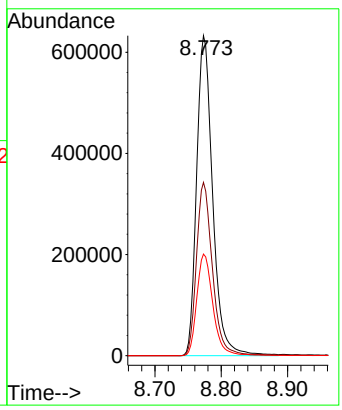


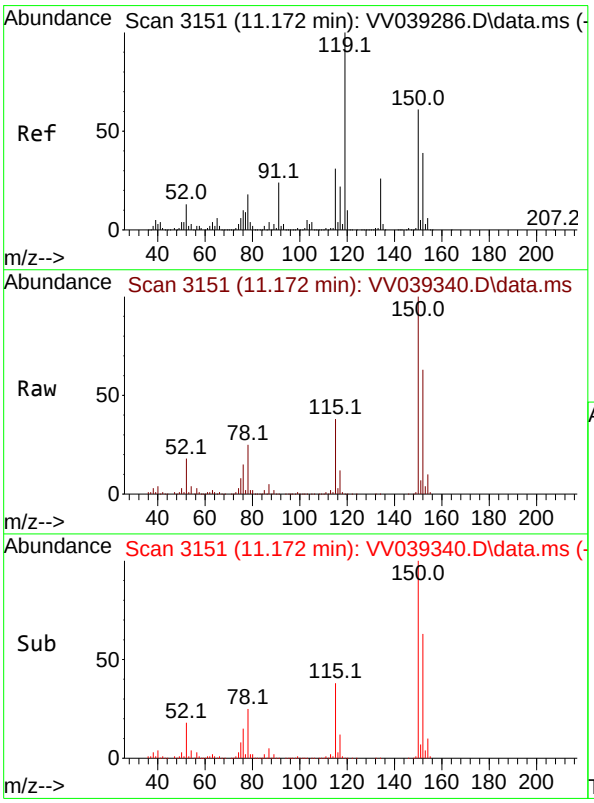
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Instrument :
MSVOA_V
ClientSampleId :
MW-10

Tgt Ion:117 Resp: 1064655

Ion	Ratio	Lower	Upper
117	100		
82	54.1	43.8	65.8
119	31.7	25.8	38.6

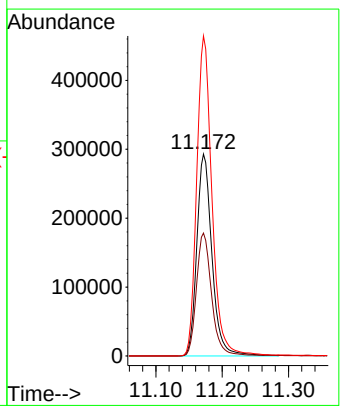




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039340.D
Acq: 05 Nov 2025 16:58

Tgt Ion:152 Resp: 465301

Ion	Ratio	Lower	Upper
152	100		
115	60.8	42.3	126.8
150	159.2	0.0	348.0



Sample Results: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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: VV039340.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	39	51	172	rBV	3244662	12724685	100.00%	40.367%
2	4.500	1057	1076	1095	rBV	512363	1358322	10.67%	4.309%
3	4.600	1095	1107	1156	rVB	687214	1909238	15.00%	6.057%
4	4.941	1201	1213	1242	rBV	543283	1356881	10.66%	4.304%
5	5.532	1385	1397	1445	rBV	1119877	2601554	20.44%	8.253%
6	7.236	1914	1927	1977	rBV	1882419	3537890	27.80%	11.223%
7	8.773	2390	2405	2433	rBV	1832100	3107042	24.42%	9.857%
8	9.998	2776	2786	2818	rBV	1275958	2153207	16.92%	6.831%
9	11.172	3140	3151	3182	rBV	1725175	2773660	21.80%	8.799%

Sum of corrected areas: 31522479

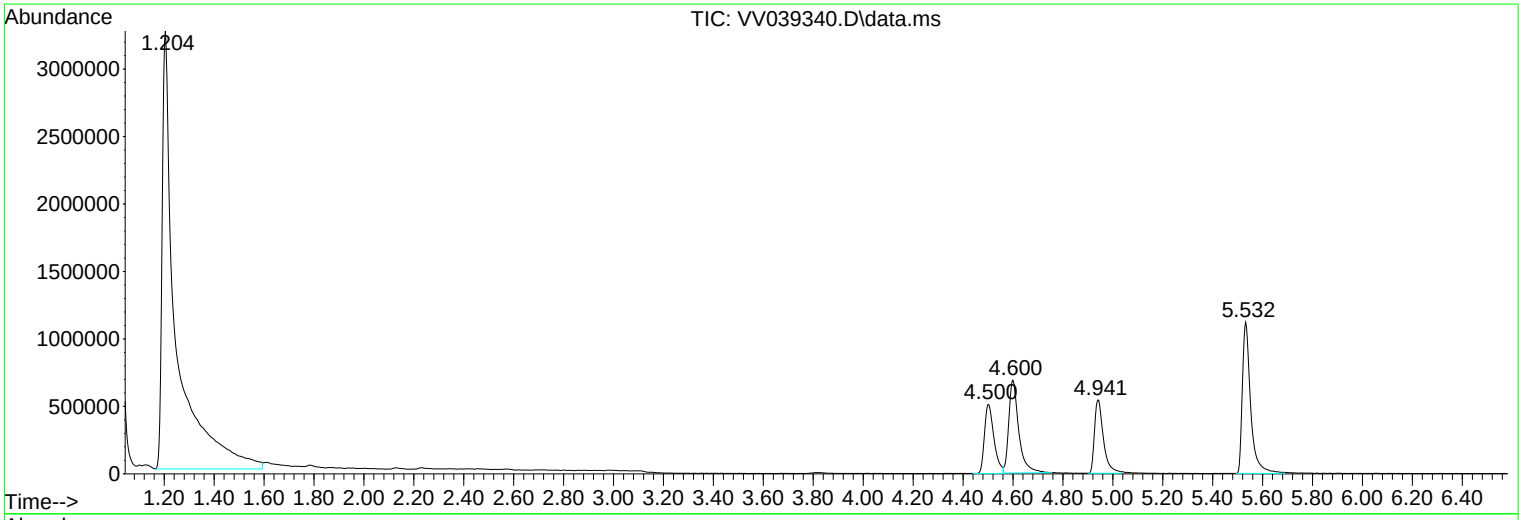
Sample Results: **VV039340.D**

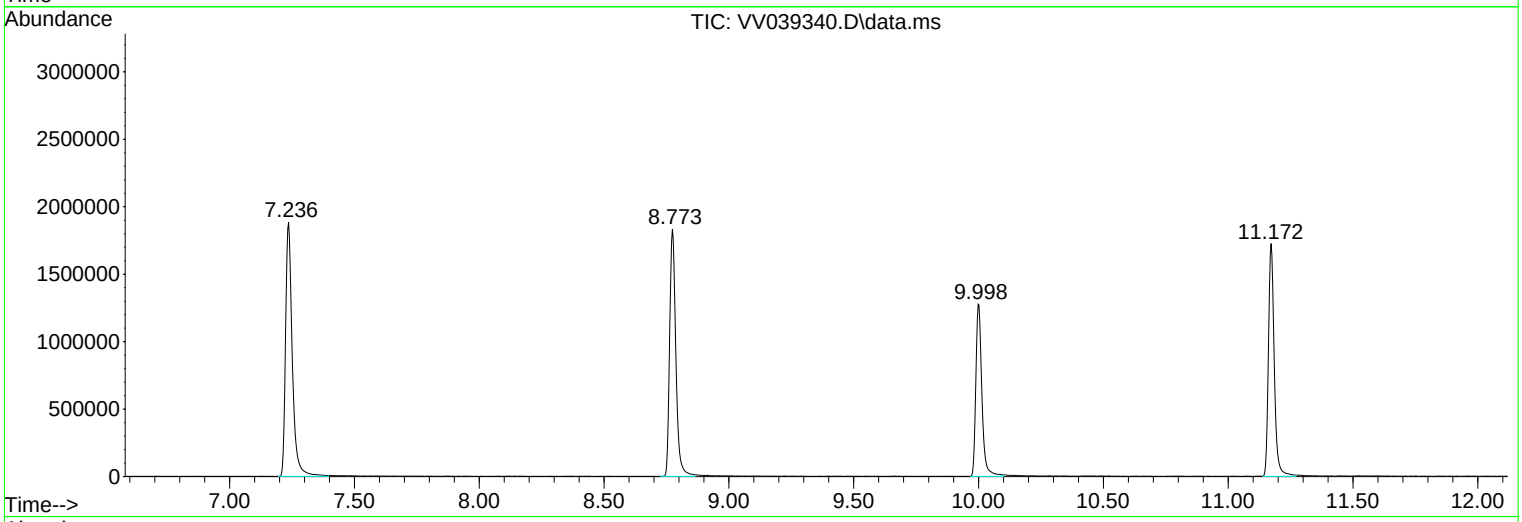
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

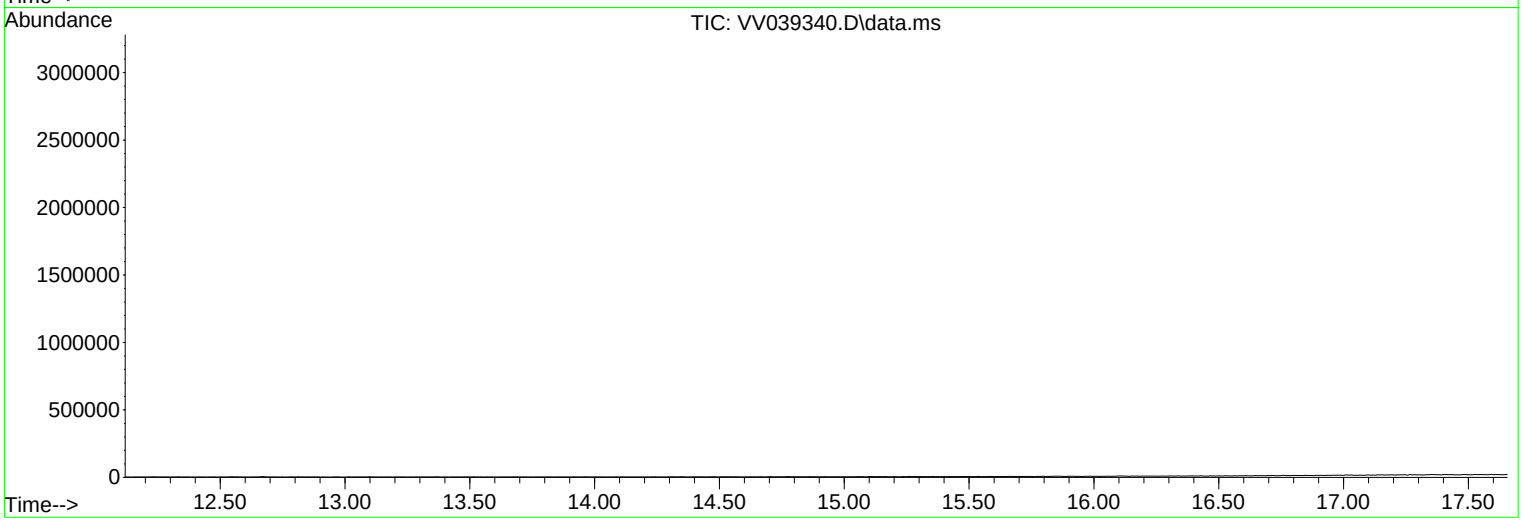
Instrument :
MSVOA_V
ClientSampleId :
MW-10

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







Library Search Compound Report

Sample Results: **VV039340.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039340.D
Acq On : 05 Nov 2025 16:58
Operator : SY/MD
Sample : Q3552-04
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-10

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Quant Time: Nov 06 00:18:38 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

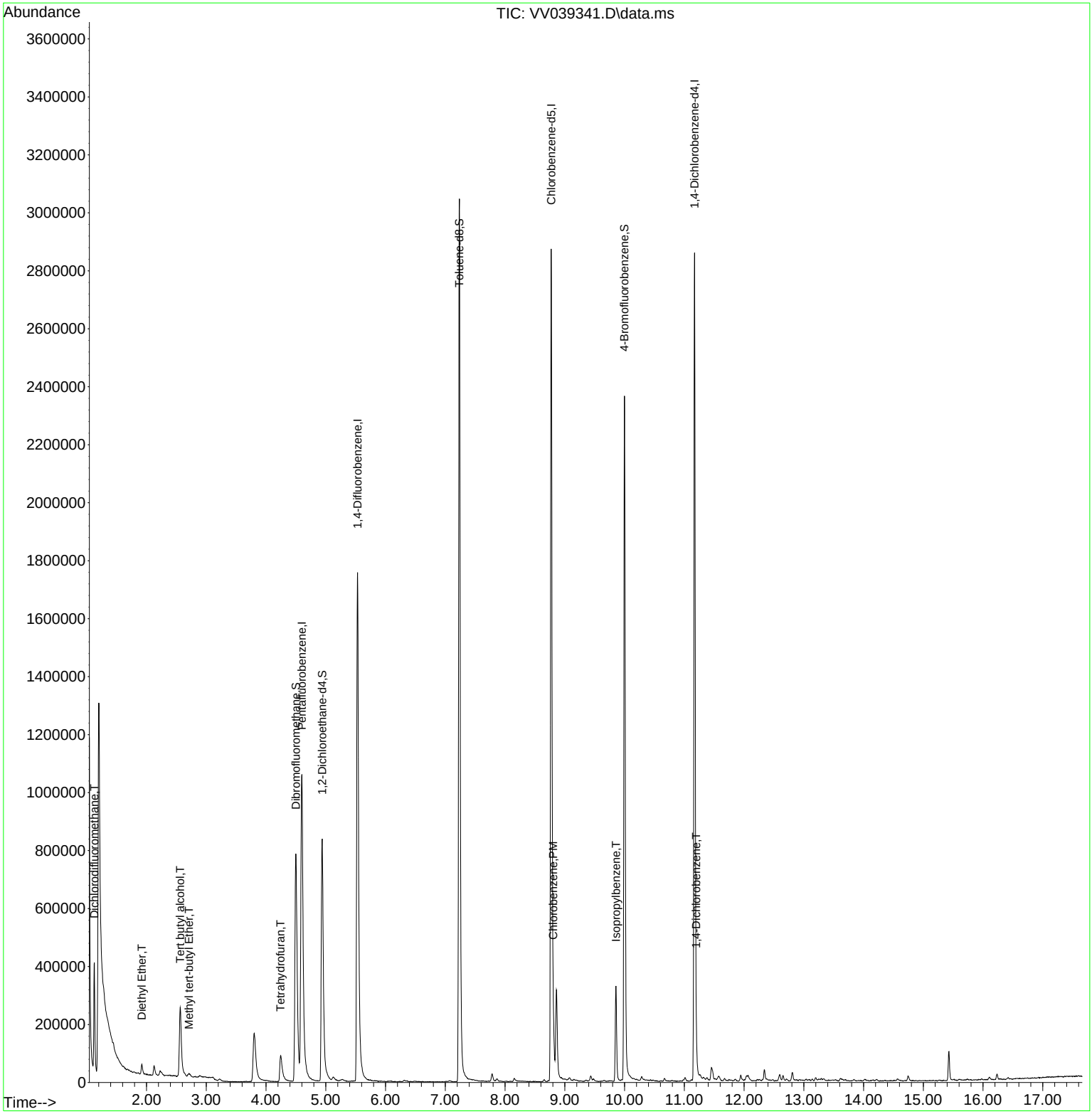
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	4.600	168	929578	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1730000	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1622898	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	753769	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.940	65	738888	55.939	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 111.880%			
35) Dibromofluoromethane	4.500	113	664719	48.765	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 97.520%			
50) Toluene-d8	7.236	98	2155329	46.478	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 92.960%			
62) 4-Bromofluorobenzene	9.998	95	807720	48.908	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 97.820%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.127	85	6847	0.583	ug/l	100
8) Diethyl Ether	1.921	74	13970	1.813	ug/l	92
11) Tert butyl alcohol	2.564	59	264639	103.382	ug/l	96
19) Methyl tert-butyl Ether	2.712	73	11311	0.300	ug/l	96
29) Tetrahydrofuran	4.243	42	76493	14.810	ug/l	97
65) Chlorobenzene	8.805	112	124056	3.229	ug/l	100
73) Isopropylbenzene	9.857	105	202650	4.427	ug/l	99
88) 1,4-Dichlorobenzene	11.197	146	35896	1.278	ug/l #	69

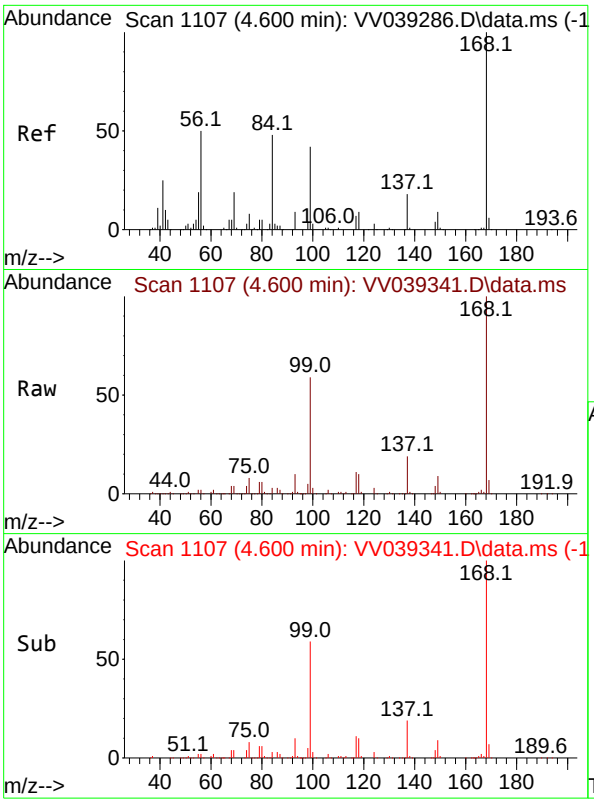
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Quant Time: Nov 06 00:18:38 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



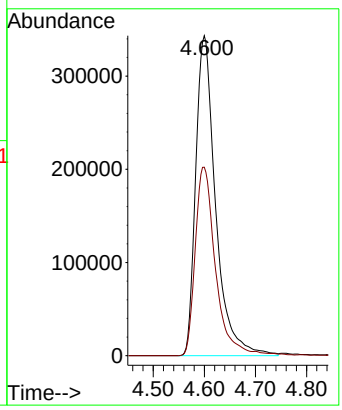


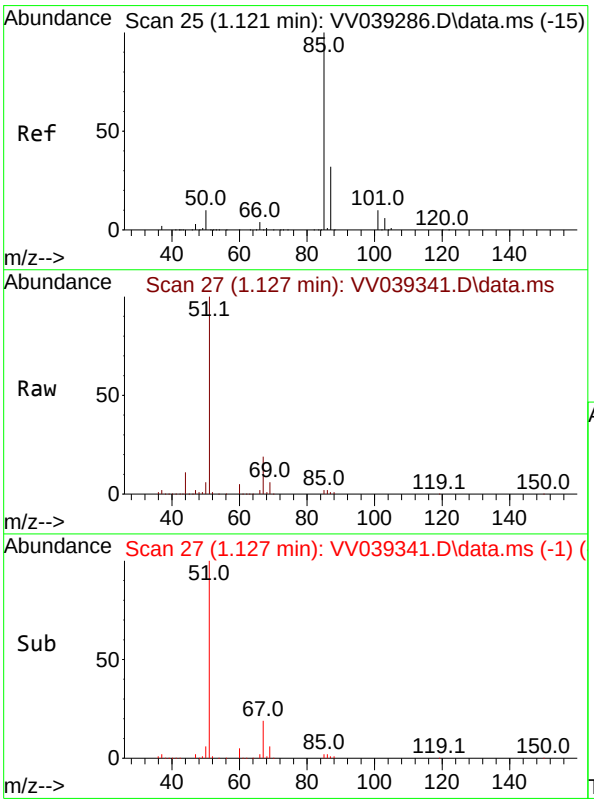
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:168 Resp: 929578

Ion	Ratio	Lower	Upper
168	100		
99	58.9	46.6	70.0

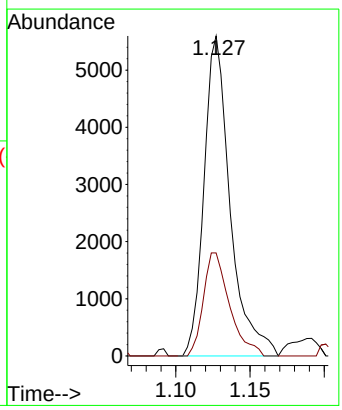


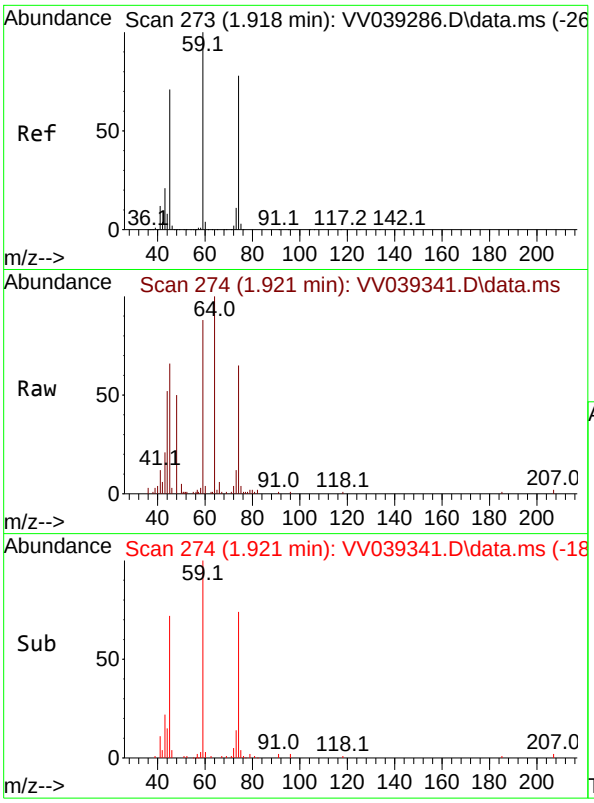


#2
Dichlorodifluoromethane
Concen: 0.583 ug/l
RT: 1.127 min Scan# 27
Delta R.T. 0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 85 Resp: 6847

Ion	Ratio	Lower	Upper
85	100		
87	32.2	16.1	48.2



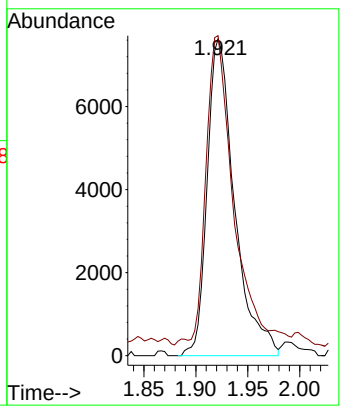


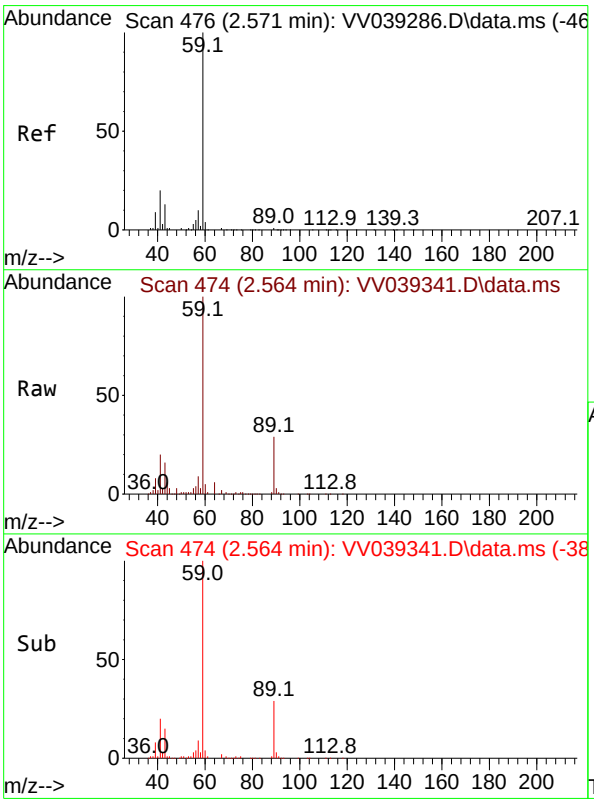
#8
Diethyl Ether
Concen: 1.813 ug/l
RT: 1.921 min Scan# 2
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 74 Resp: 13970

Ion	Ratio	Lower	Upper
74	100		
45	99.3	45.9	137.7

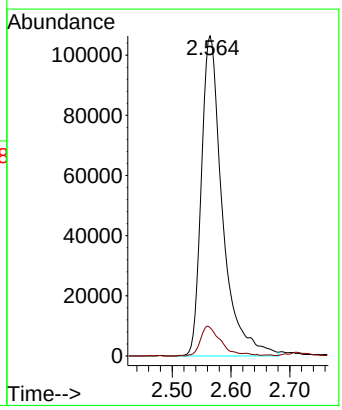


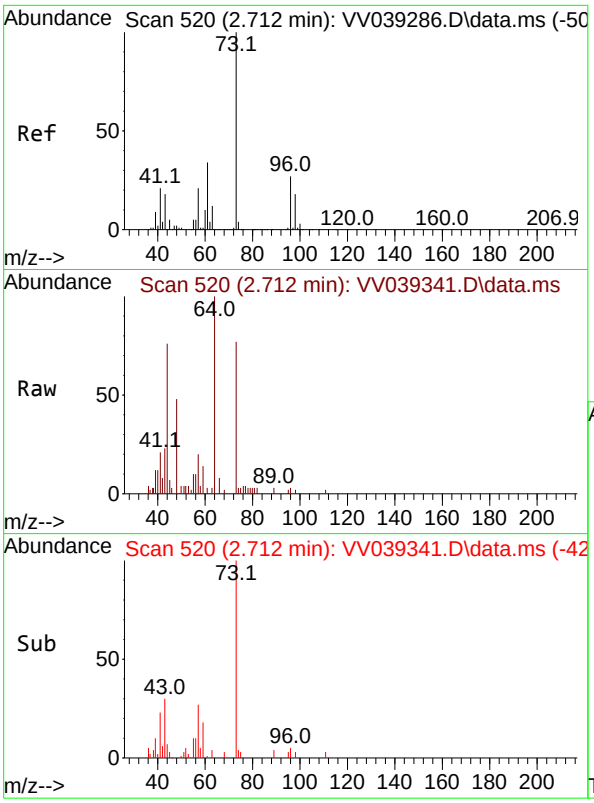


#11
Tert butyl alcohol
Concen: 103.382 ug/l
RT: 2.564 min Scan# 474
Delta R.T. -0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 59 Resp: 264639

Ion	Ratio	Lower	Upper
59	100		
57	8.7	8.1	12.1



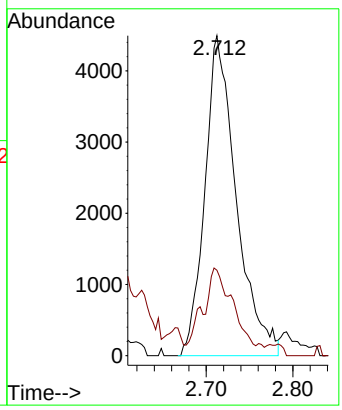


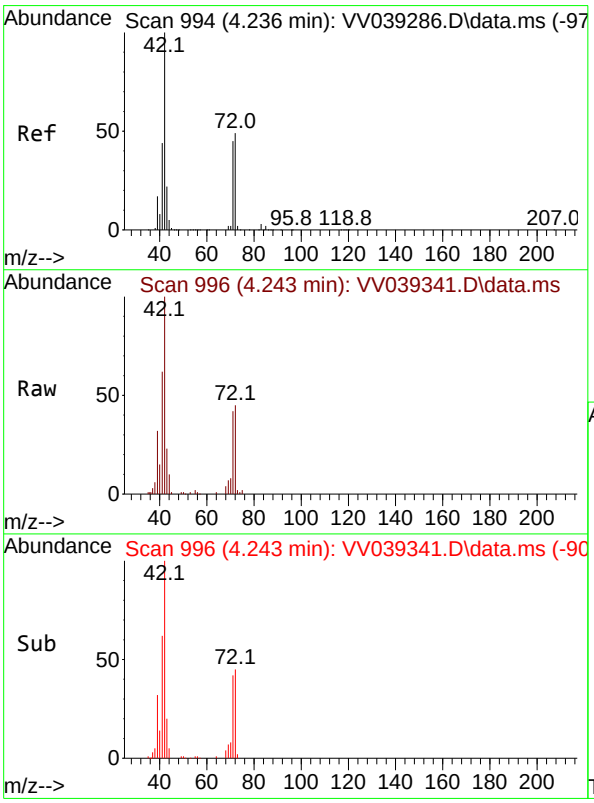
#19
Methyl tert-butyl Ether
Concen: 0.300 ug/l
RT: 2.712 min Scan# 5
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 73 Resp: 11311

Ion	Ratio	Lower	Upper
73	100		
57	23.0	17.0	25.6

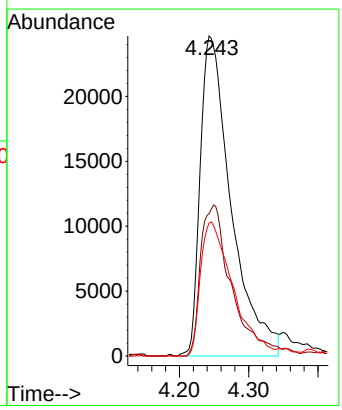


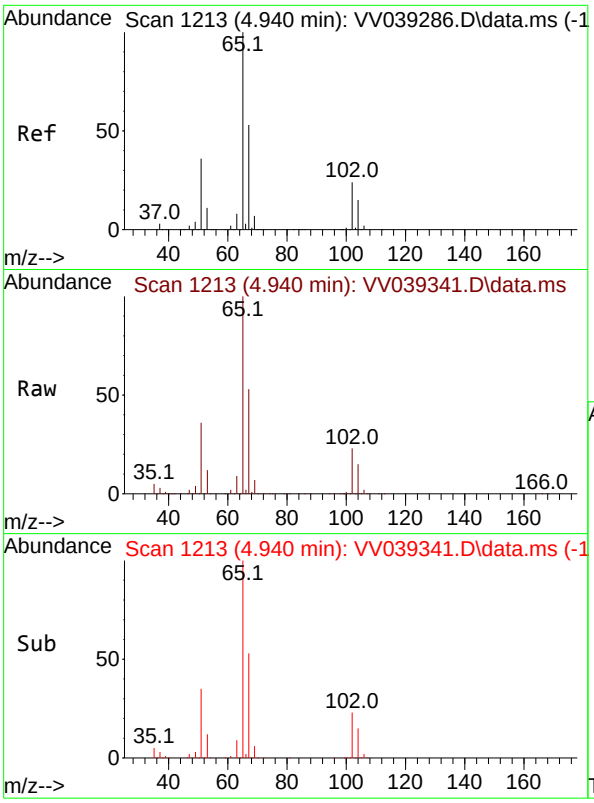


#29
Tetrahydrofuran
Concen: 14.810 ug/l
RT: 4.243 min Scan# 996
Delta R.T. 0.006 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 42 Resp: 76493

Ion	Ratio	Lower	Upper
42	100		
72	47.1	39.8	59.8
71	43.9	36.5	54.7



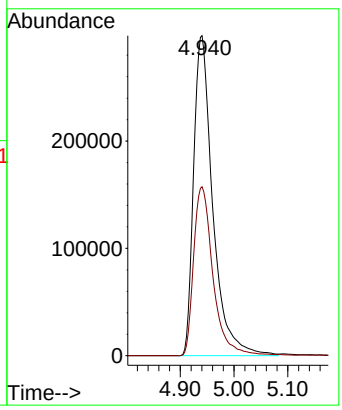


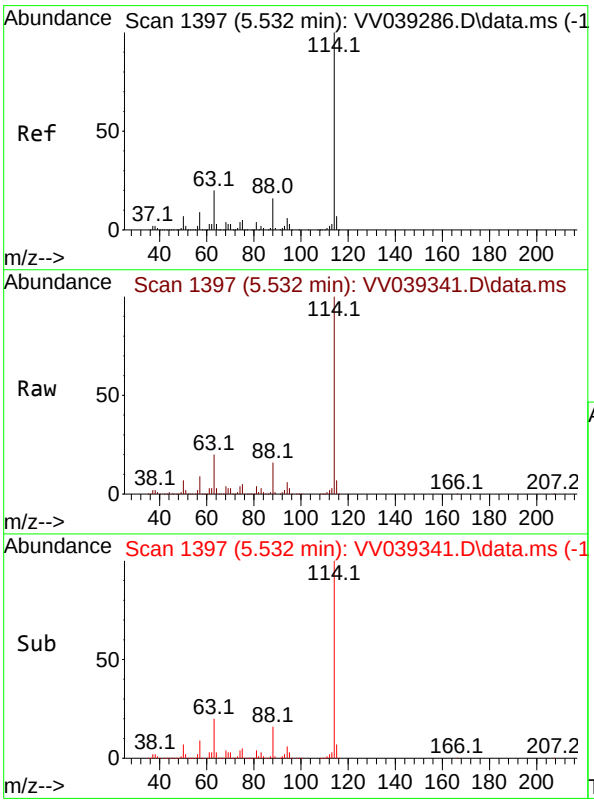
#33
1,2-Dichloroethane-d4
Concen: 55.939 ug/l
RT: 4.940 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 65 Resp: 738888

Ion	Ratio	Lower	Upper
65	100		
67	53.4	0.0	108.4

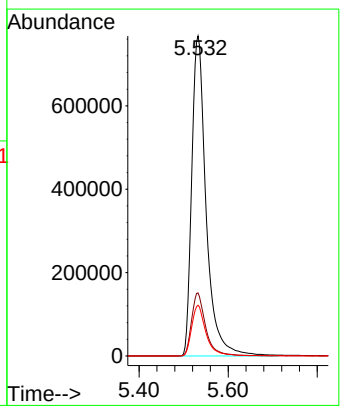


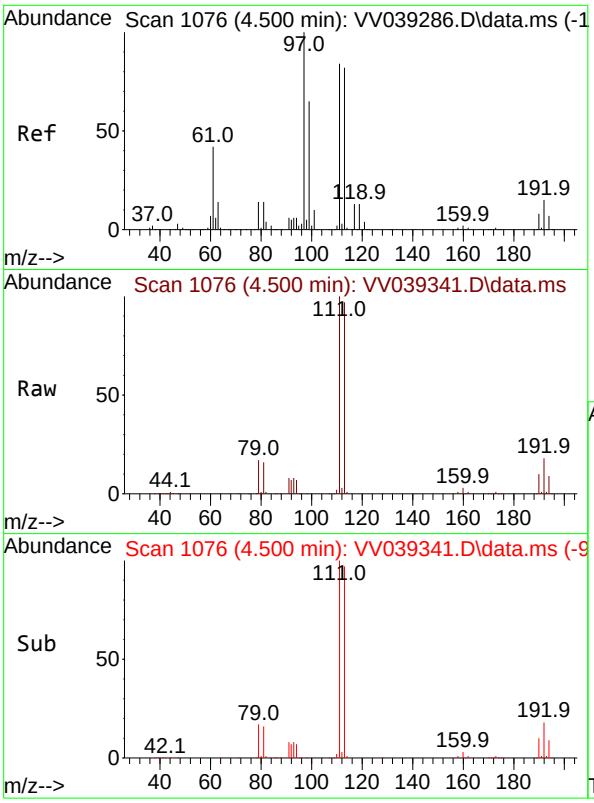


#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1397
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:114 Resp: 1730000

Ion	Ratio	Lower	Upper
114	100		
63	19.7	0.0	39.6
88	15.8	0.0	31.6



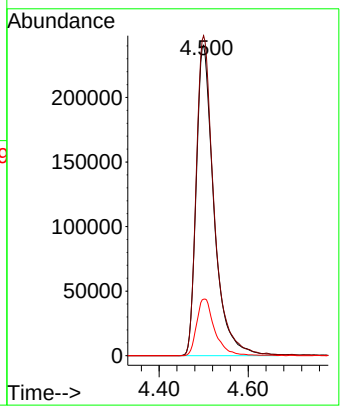


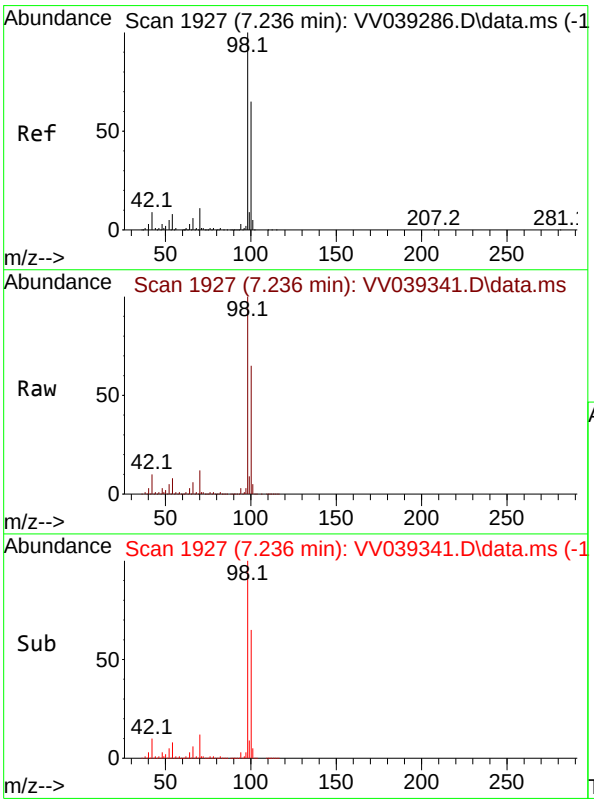
#35
Dibromofluoromethane
Concen: 48.765 ug/l
RT: 4.500 min Scan# 1
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:113 Resp: 664719

Ion	Ratio	Lower	Upper
113	100		
111	102.7	82.0	123.0
192	18.6	14.3	21.5

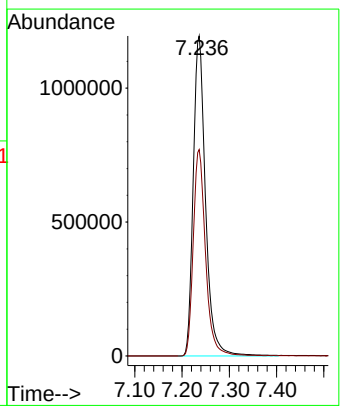


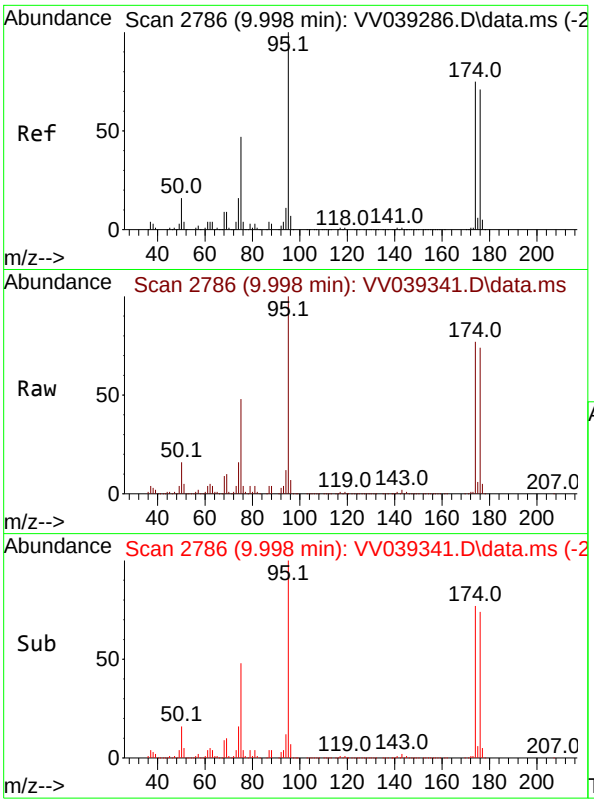


#50
Toluene-d8
Concen: 46.478 ug/l
RT: 7.236 min Scan# 1927
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion: 98 Resp: 2155329

Ion	Ratio	Lower	Upper
98	100		
100	64.4	52.8	79.2



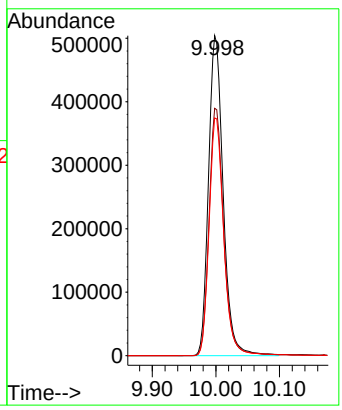


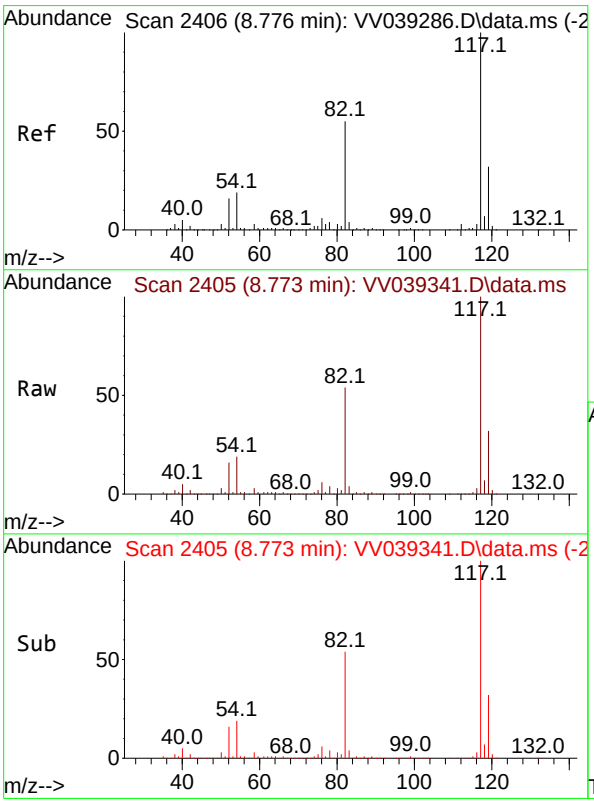
#62
4-Bromofluorobenzene
Concen: 48.908 ug/l
RT: 9.998 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion: 95 Resp: 807720

Ion	Ratio	Lower	Upper
95	100		
174	77.3	0.0	153.6
176	74.1	0.0	146.0

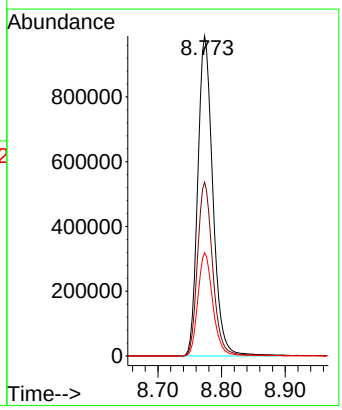


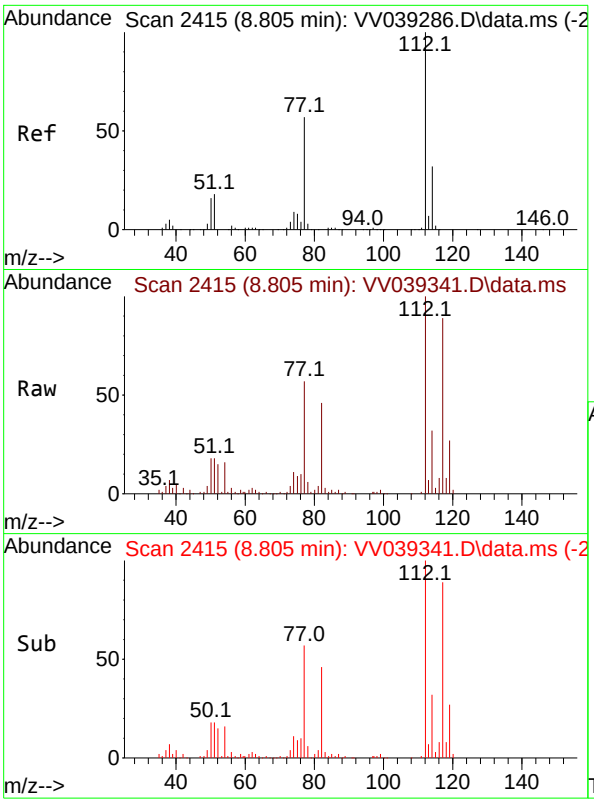


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 2405
Delta R.T. -0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:117 Resp: 1622898

Ion	Ratio	Lower	Upper
117	100		
82	54.3	43.8	65.8
119	32.3	25.8	38.6



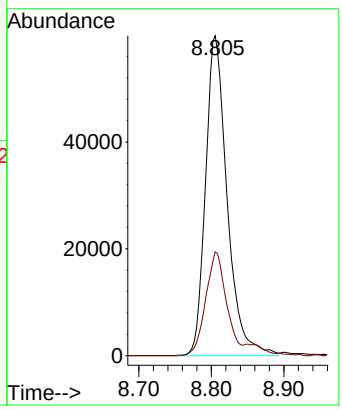


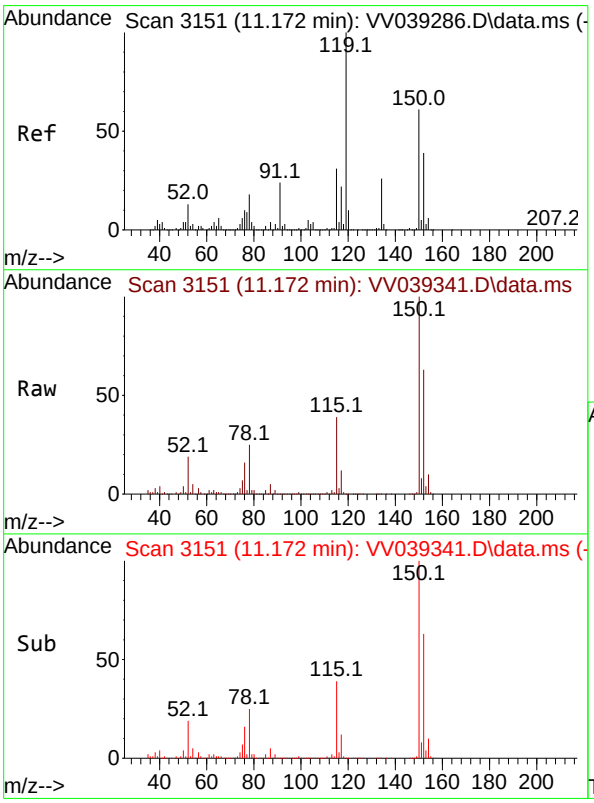
#65
Chlorobenzene
Concen: 3.229 ug/l
RT: 8.805 min Scan# 24
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:112 Resp: 124056

Ion	Ratio	Lower	Upper
112	100		
114	32.2	25.7	38.5

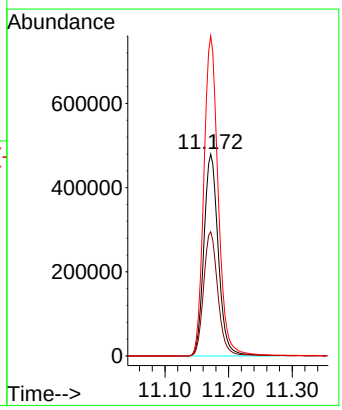


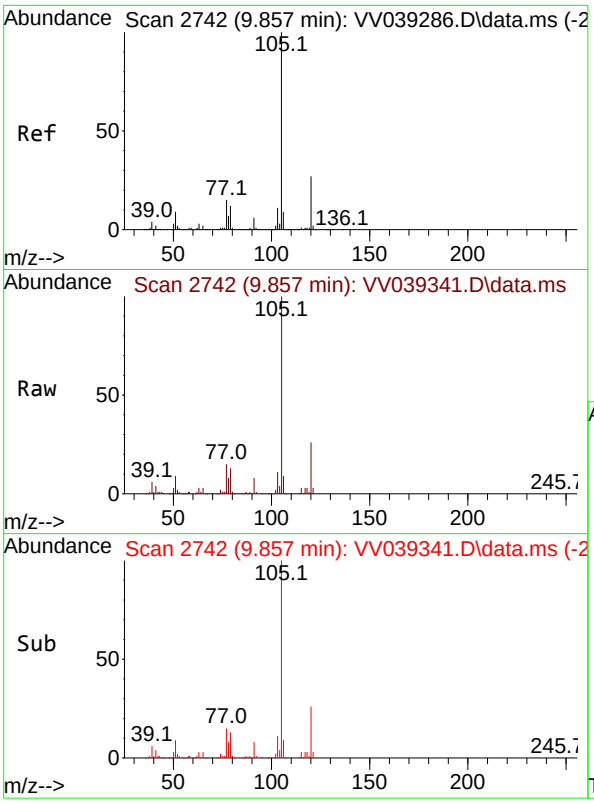


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:152 Resp: 753769

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.3	126.8
150	158.4	0.0	348.0



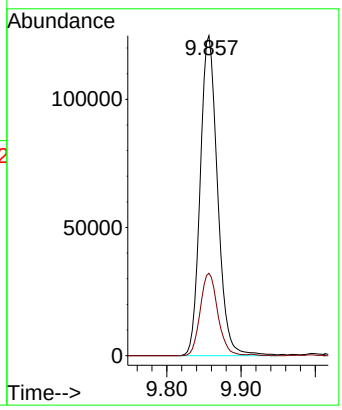


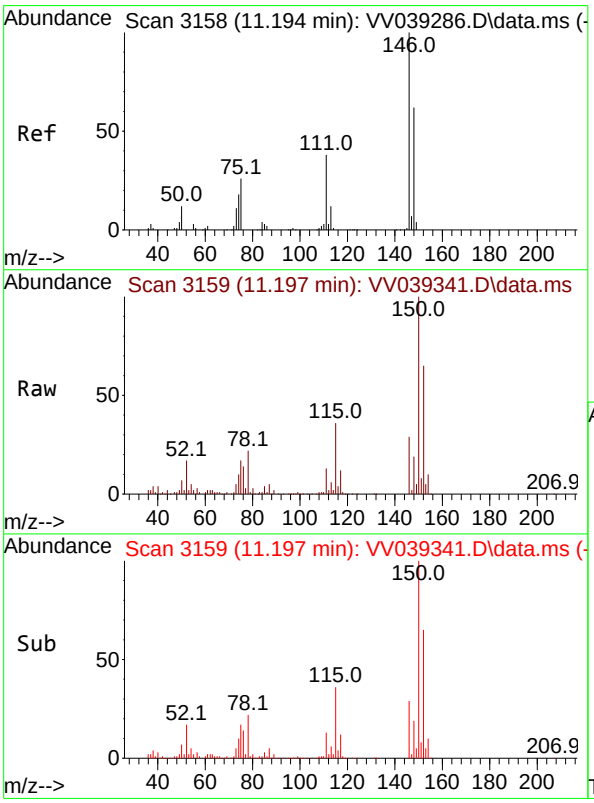
#73
Isopropylbenzene
Concen: 4.427 ug/l
RT: 9.857 min Scan# 2
Delta R.T. 0.000 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Instrument :
MSVOA_V
ClientSampleId :
MW-3

Tgt Ion:105 Resp: 202650

Ion	Ratio	Lower	Upper
105	100		
120	26.0	13.2	39.5

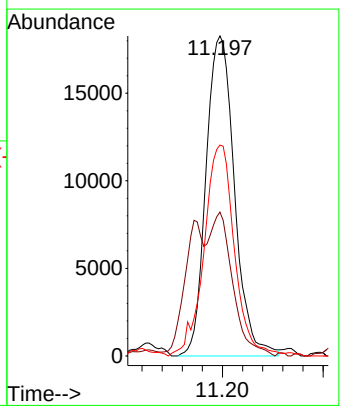




#88
1,4-Dichlorobenzene
Concen: 1.278 ug/l
RT: 11.197 min Scan# 3159
Delta R.T. 0.003 min
Lab File: VV039341.D
Acq: 05 Nov 2025 17:20

Tgt Ion:146 Resp: 35896

Ion	Ratio	Lower	Upper
146	100		
111	0.0	19.7	59.0#
148	70.4	31.5	94.5



Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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: VV039341.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	373989	461218	8.30%	1.188%
2	1.201	38	50	122	rBV	1270277	5460897	98.27%	14.067%
3	2.564	463	474	509	rVB2	237302	585471	10.54%	1.508%
4	3.802	842	859	897	rBV	166413	575059	10.35%	1.481%
5	4.246	985	997	1026	rBV2	89429	275308	4.95%	0.709%
6	4.500	1059	1076	1094	rBV2	784173	2065012	37.16%	5.320%
7	4.600	1094	1107	1148	rVB	1050524	2880609	51.84%	7.421%
8	4.940	1200	1213	1260	rBV	833758	2082625	37.48%	5.365%
9	5.532	1385	1397	1448	rBV	1753900	3961020	71.28%	10.204%
10	7.236	1915	1927	1961	rBV	3044952	5557240	100.00%	14.316%
11	8.773	2394	2405	2424	rBV	2869806	5053561	90.94%	13.018%
12	8.860	2424	2432	2452	rVB	303707	585879	10.54%	1.509%
13	9.857	2731	2742	2765	rBV	328473	534464	9.62%	1.377%
14	9.998	2775	2786	2830	rBV	2359313	3818400	68.71%	9.836%
15	11.172	3139	3151	3176	rBV	2854517	4591225	82.62%	11.827%
16	11.455	3230	3239	3253	rBV4	43369	100152	1.80%	0.258%
17	12.339	3500	3514	3524	rBV2	37431	66083	1.19%	0.170%
18	15.429	4464	4475	4487	rBV2	100879	165286	2.97%	0.426%

Sum of corrected areas: 38819509

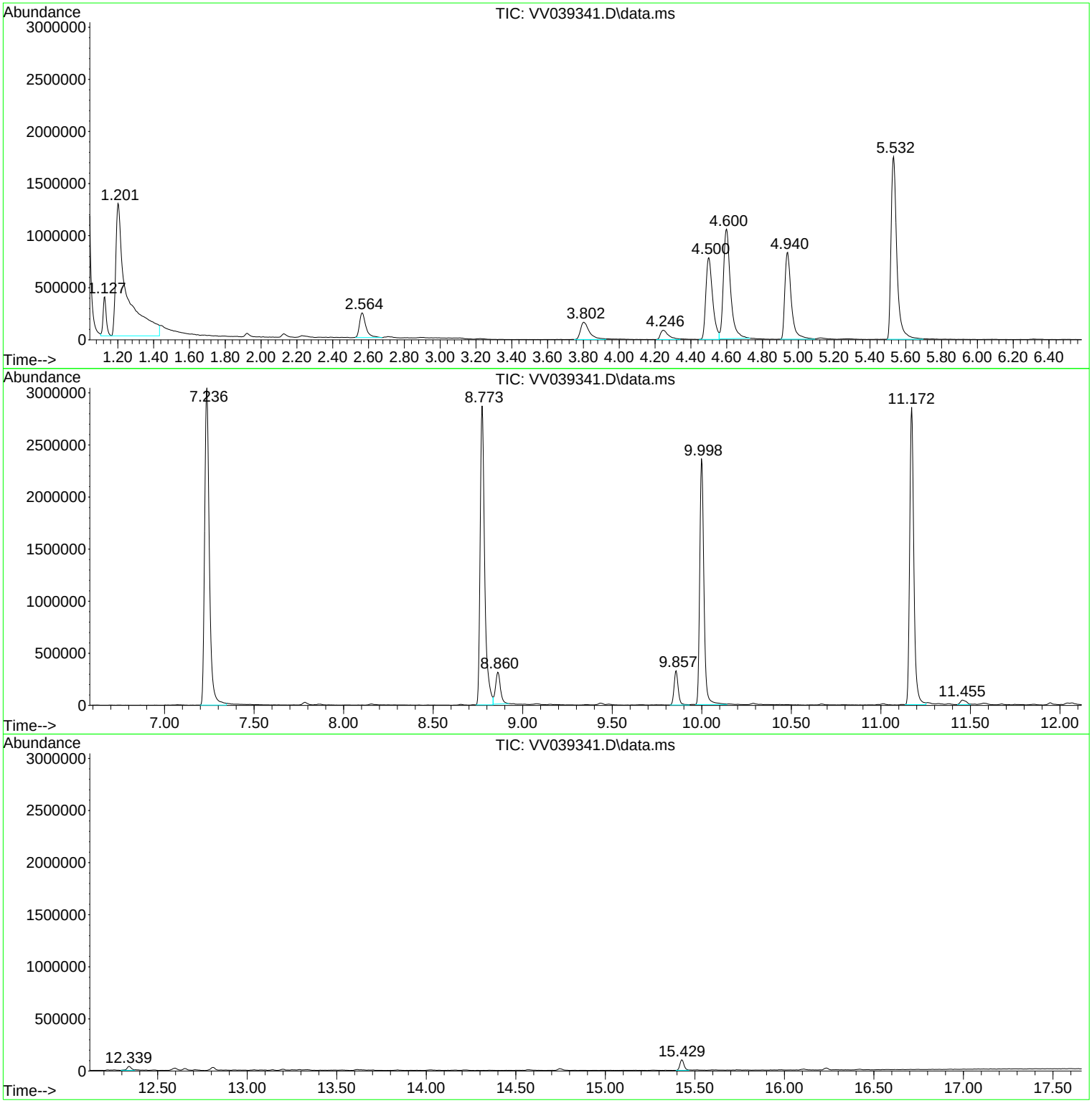
Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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



Library Search Compound Report

Sample Results: **VV039341.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039341.D
Acq On : 05 Nov 2025 17:20
Operator : SY/MD
Sample : Q3552-05
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
MW-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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 06 00:16:37 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	4.596	168	856878	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.529	114	1636404	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1498704	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	661803	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.934	65	703372	57.768	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 115.540%			
35) Dibromofluoromethane	4.497	113	623292	48.341	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 96.680%			
50) Toluene-d8	7.233	98	2056521	46.884	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 93.760%			
62) 4-Bromofluorobenzene	9.998	95	679949	43.526	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 87.060%			

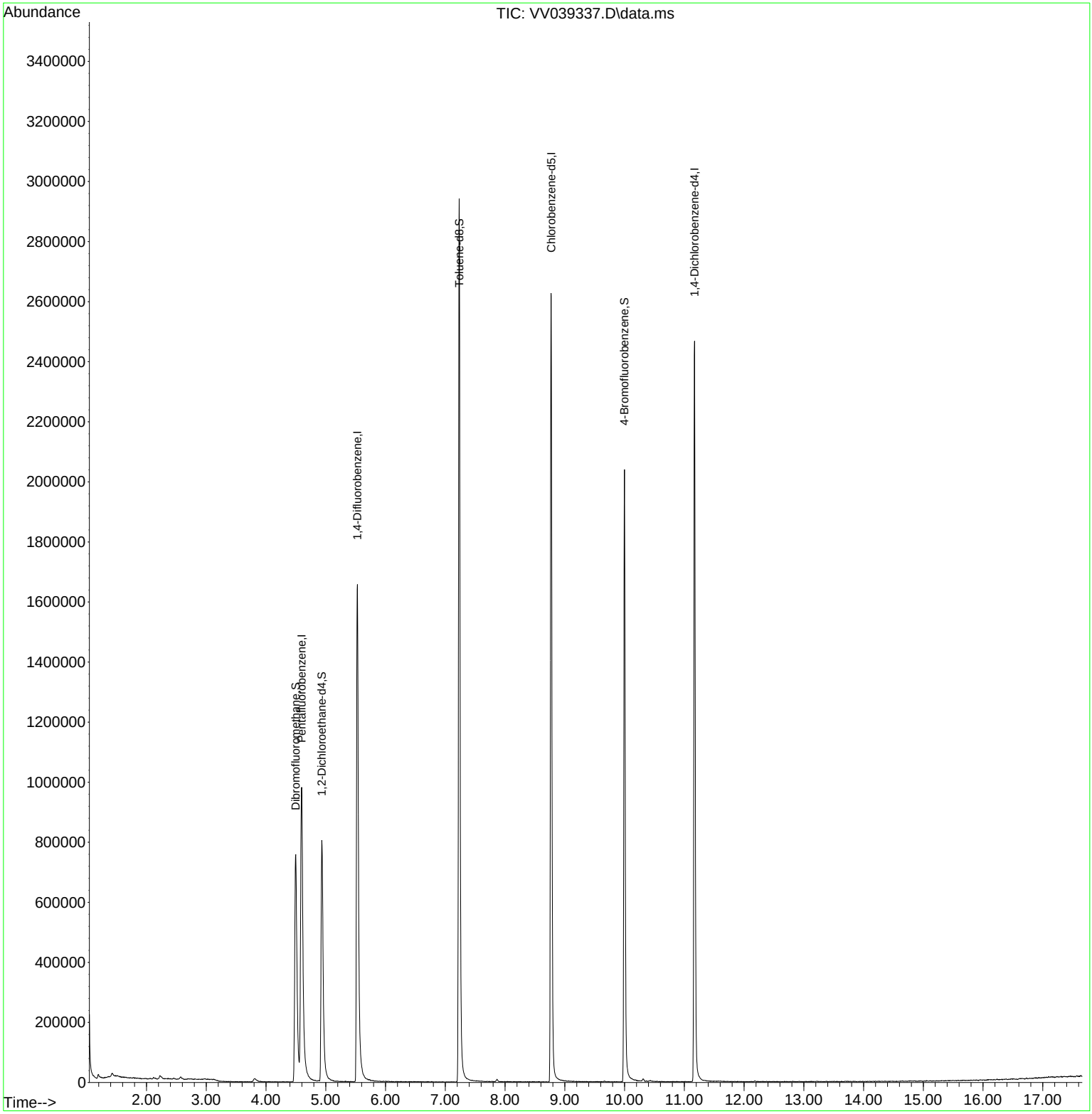
Target Compounds Qvalue

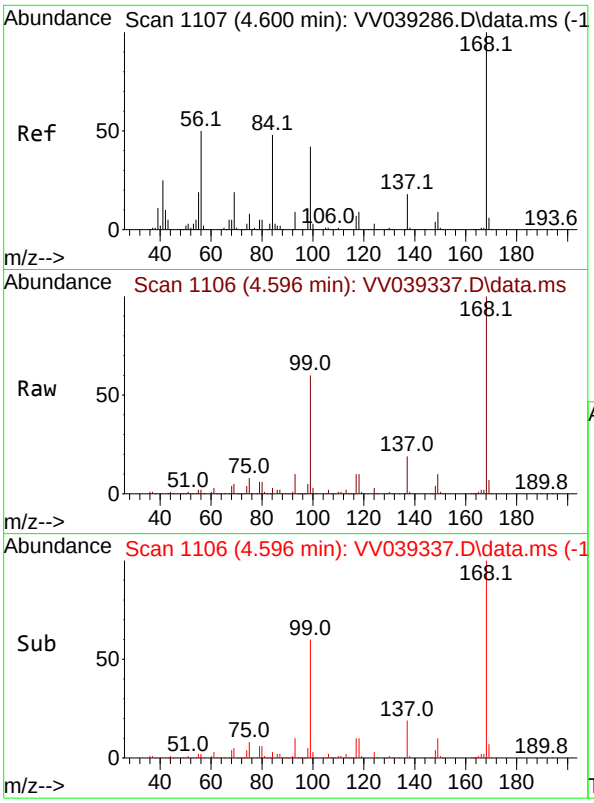
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

Quant Time: Nov 06 00:16:37 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



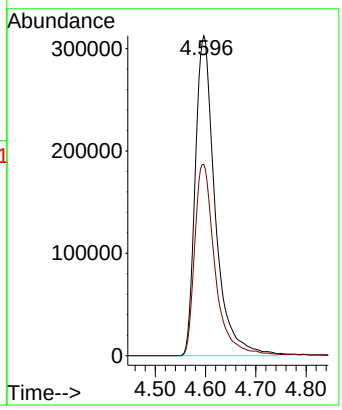


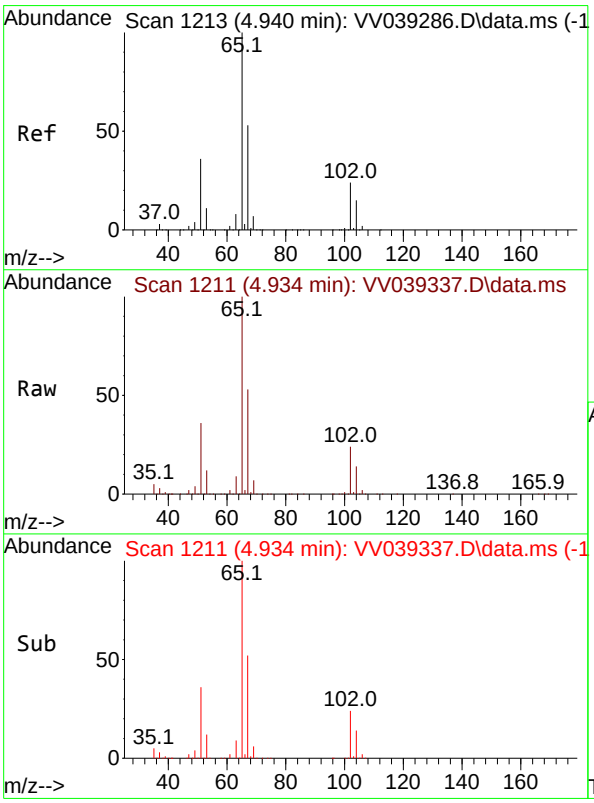
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.596 min Scan# 11
Delta R.T. -0.004 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:168 Resp: 856878

Ion	Ratio	Lower	Upper
168	100		
99	59.8	46.6	70.0

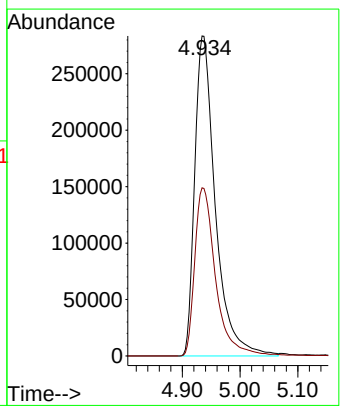


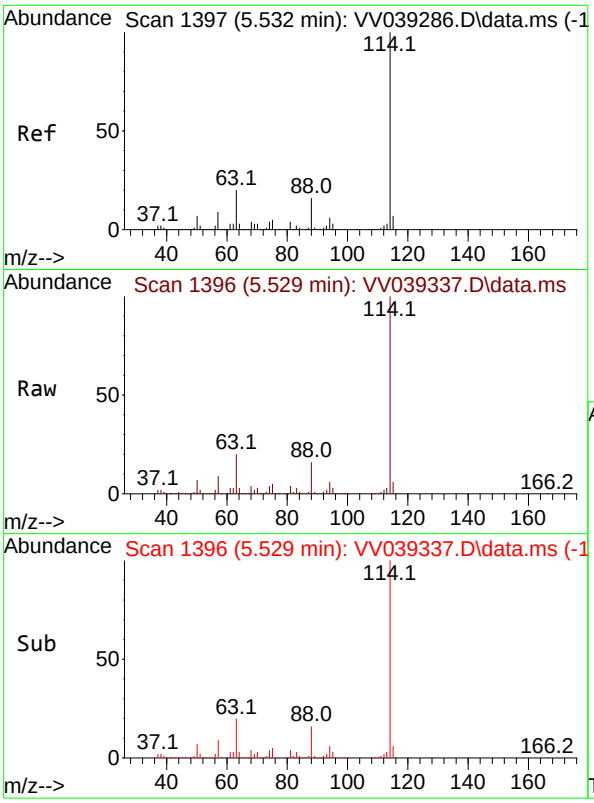


#33
1,2-Dichloroethane-d4
Concen: 57.768 ug/l
RT: 4.934 min Scan# 1211
Delta R.T. -0.006 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion: 65 Resp: 703372

Ion	Ratio	Lower	Upper
65	100		
67	52.9	0.0	108.4



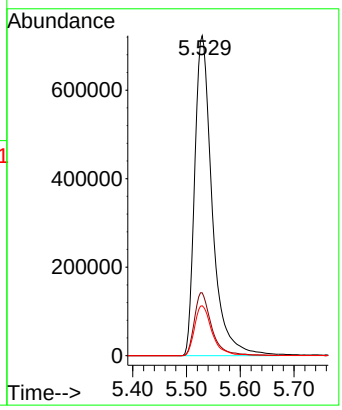


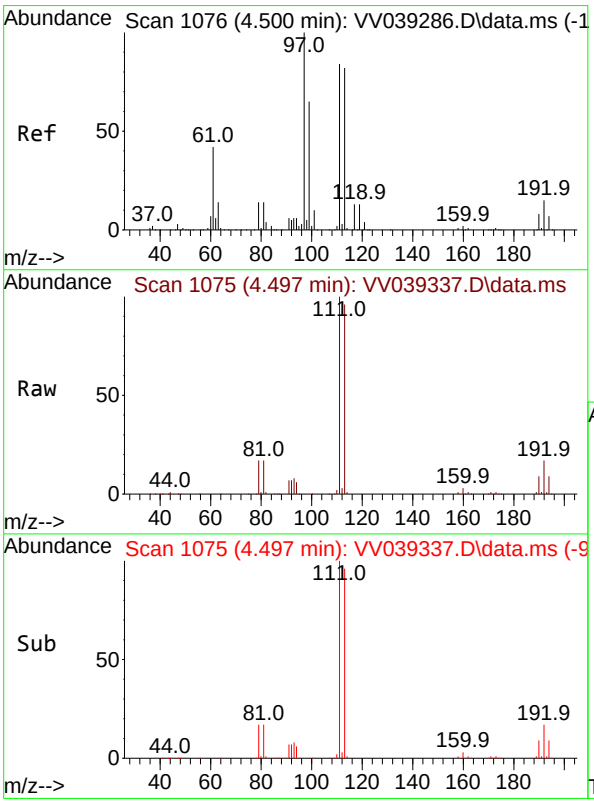
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.529 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:114 Resp: 1636404

Ion	Ratio	Lower	Upper
114	100		
63	19.6	0.0	39.6
88	15.6	0.0	31.6

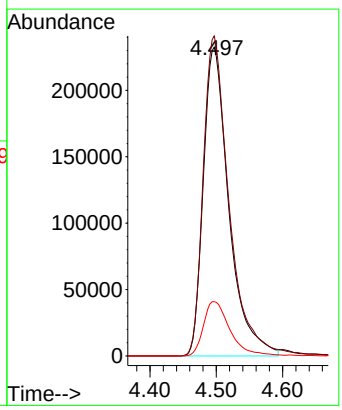


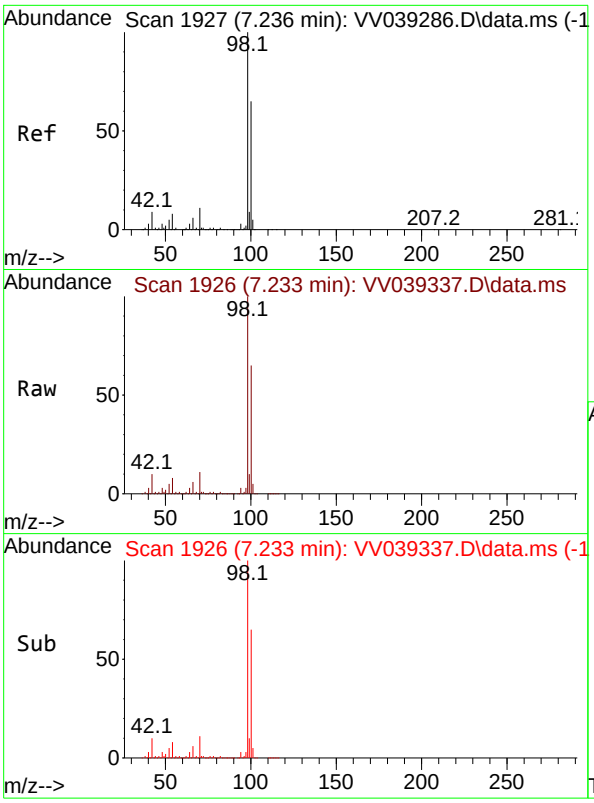


#35
Dibromofluoromethane
Concen: 48.341 ug/l
RT: 4.497 min Scan# 1075
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion:113 Resp: 623292

Ion	Ratio	Lower	Upper
113	100		
111	105.5	82.0	123.0
192	18.2	14.3	21.5



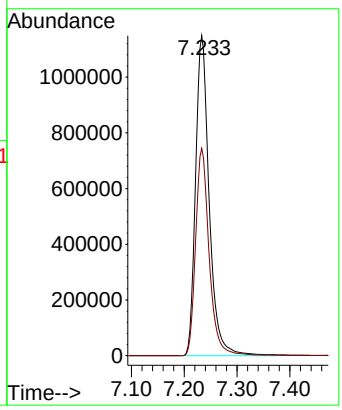


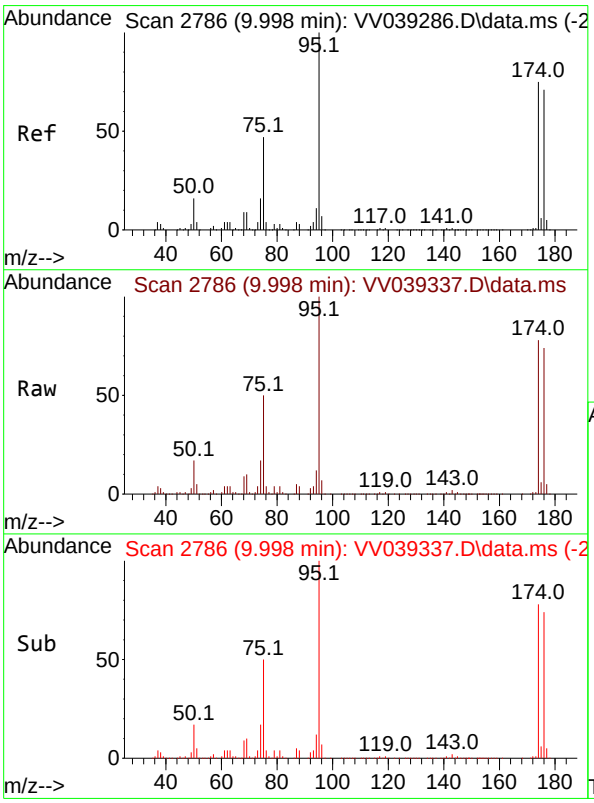
#50
Toluene-d8
Concen: 46.884 ug/l
RT: 7.233 min Scan# 1
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion: 98 Resp: 2056521

Ion	Ratio	Lower	Upper
98	100		
100	64.6	52.8	79.2

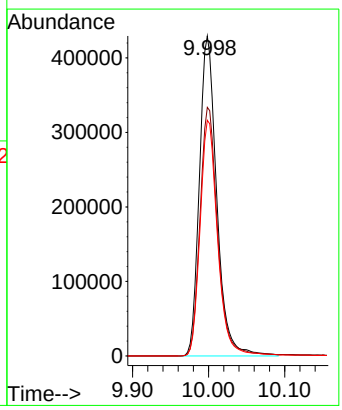


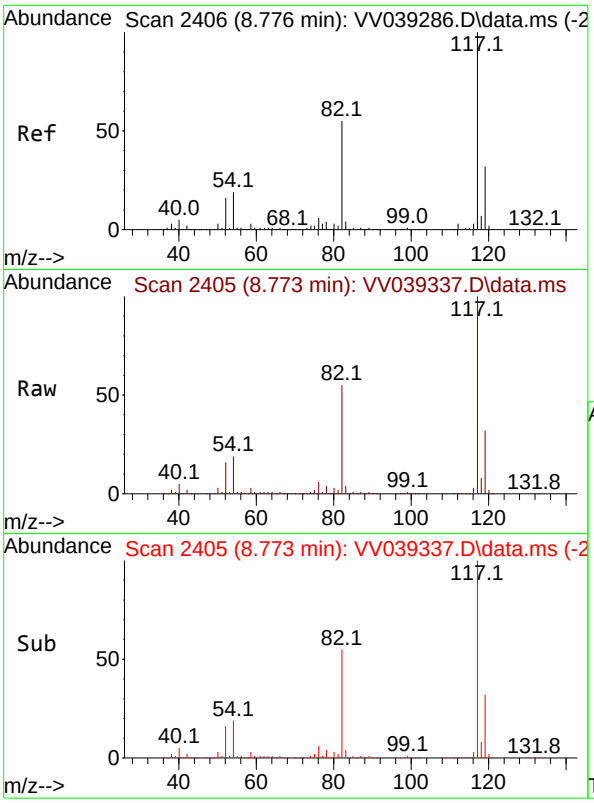


#62
4-Bromofluorobenzene
Concen: 43.526 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. 0.000 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion: 95 Resp: 679949

Ion	Ratio	Lower	Upper
95	100		
174	79.8	0.0	153.6
176	74.6	0.0	146.0



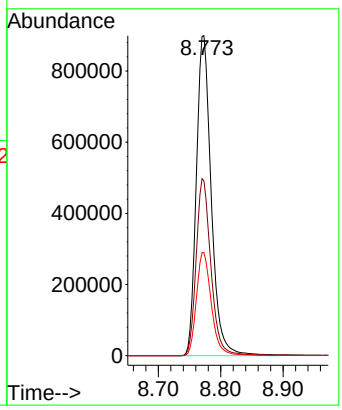


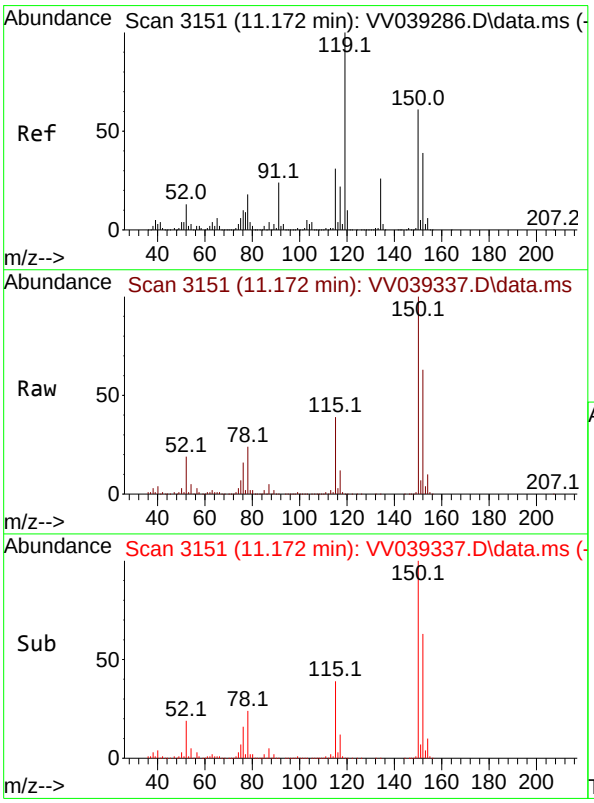
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Instrument :
MSVOA_V
ClientSampleId :
TB

Tgt Ion:117 Resp: 1498704

Ion	Ratio	Lower	Upper
117	100		
82	54.6	43.8	65.8
119	32.2	25.8	38.6

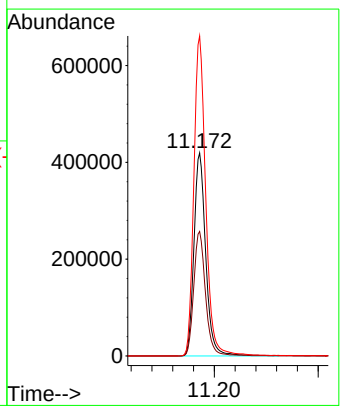




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. 0.000 min
Lab File: VV039337.D
Acq: 05 Nov 2025 15:50

Tgt Ion:152 Resp: 661803

Ion	Ratio	Lower	Upper
152	100		
115	61.3	42.3	126.8
150	158.6	0.0	348.0



Sample Results: **VV039337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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: VV039337.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	1058	1075	1093	rBV	757408	1978012	37.23%	7.225%
2	4.596	1094	1106	1154	rVB	974370	2713991	51.08%	9.914%
3	4.934	1199	1211	1248	rBV2	801265	1961930	36.93%	7.167%
4	5.529	1384	1396	1440	rBV	1654933	3774842	71.05%	13.789%
5	7.233	1913	1926	1965	rBV	2940415	5312792	100.00%	19.407%
6	8.770	2393	2404	2440	rBV	2625646	4414309	83.09%	16.125%
7	9.998	2775	2786	2814	rBV	2038535	3278371	61.71%	11.975%
8	11.172	3139	3151	3197	rBV	2464713	3941759	74.19%	14.399%

Sum of corrected areas: 27376006

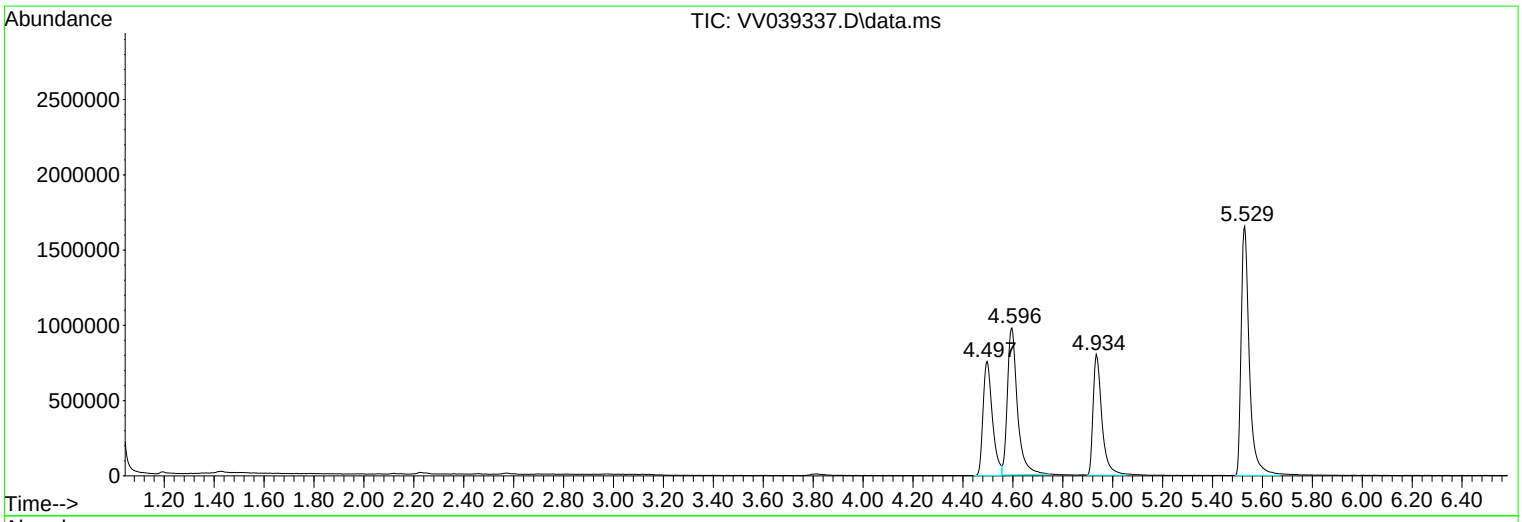
Sample Results: **VV039337.D**

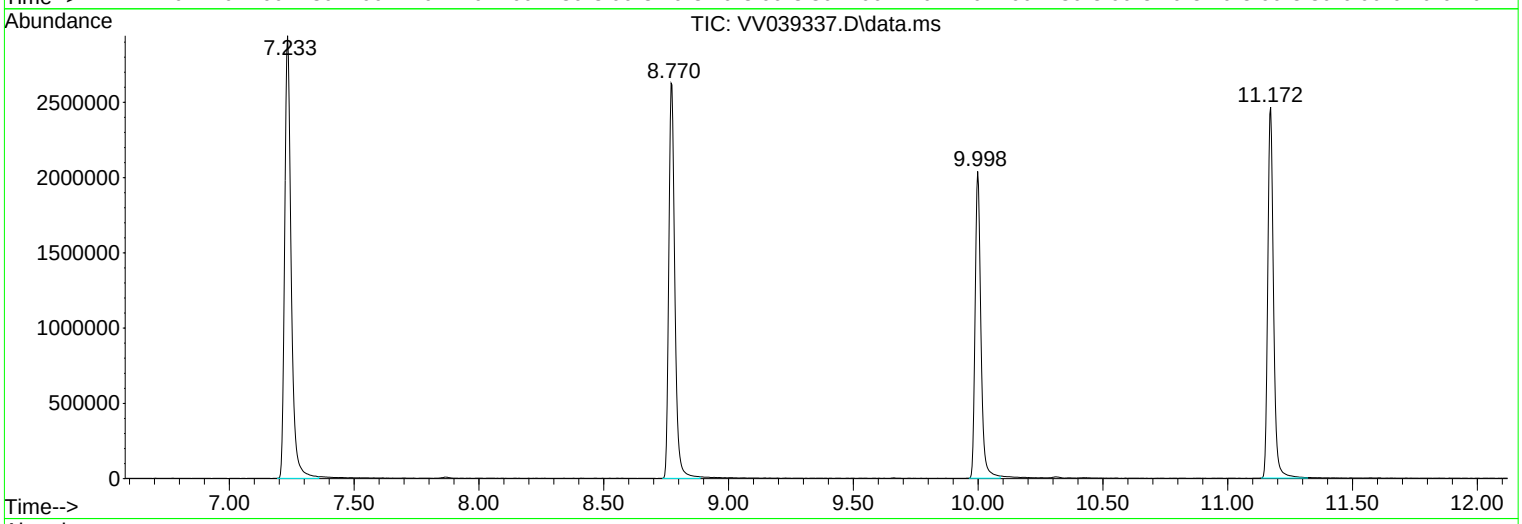
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

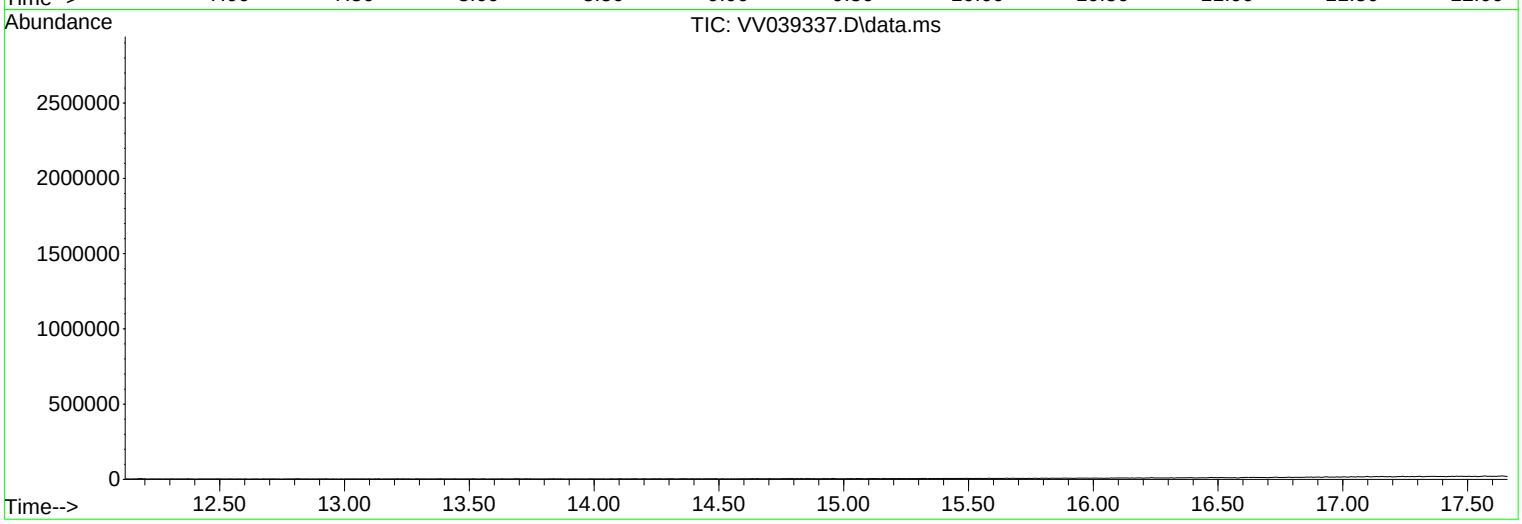
Instrument :
MSVOA_V
ClientSampleId :
TB

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







Library Search Compound Report

Sample Results: **VV039337.D**

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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
****

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039337.D
Acq On : 05 Nov 2025 15:50
Operator : SY/MD
Sample : Q3552-06
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
TB

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 #	Internal Standard RT	Internal Standard Resp	Internal Standard 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

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%			

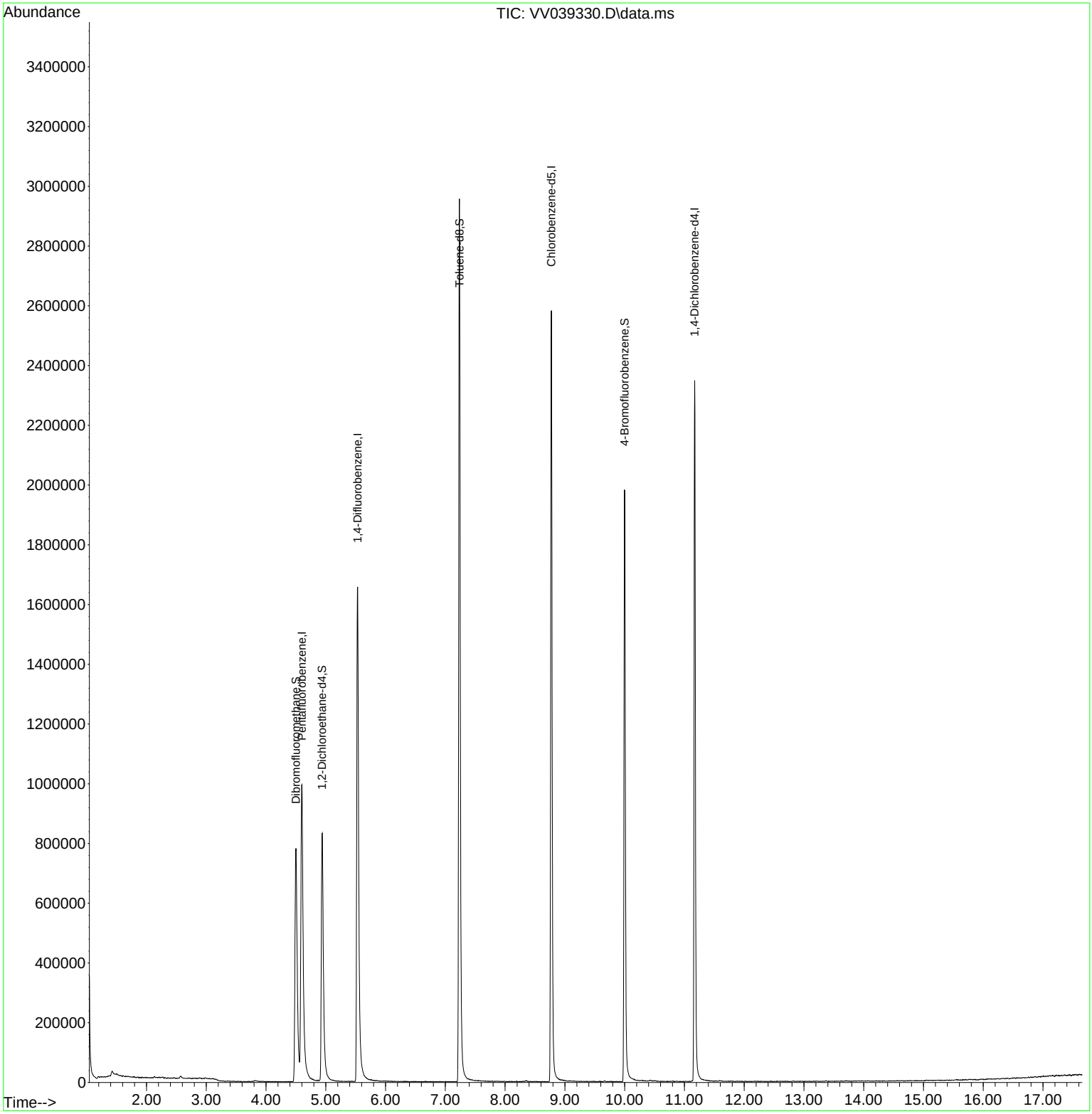
Target Compounds Qvalue

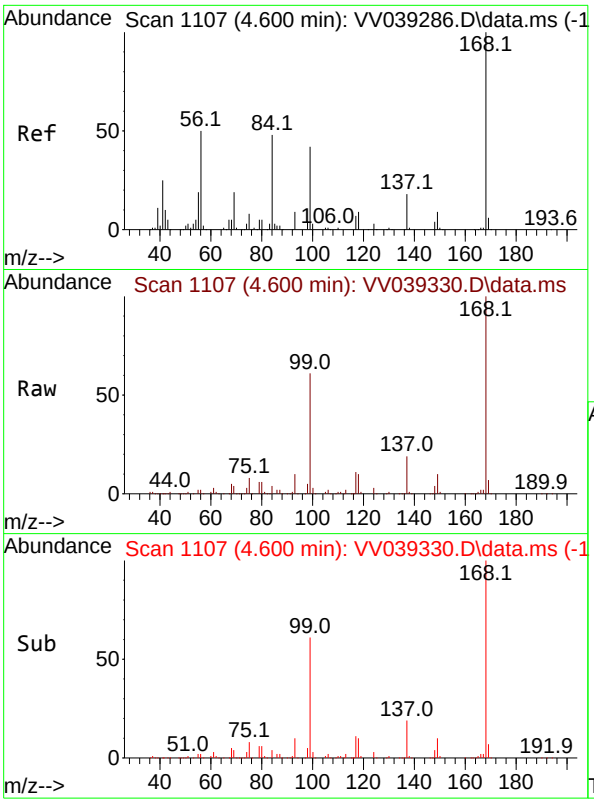
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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



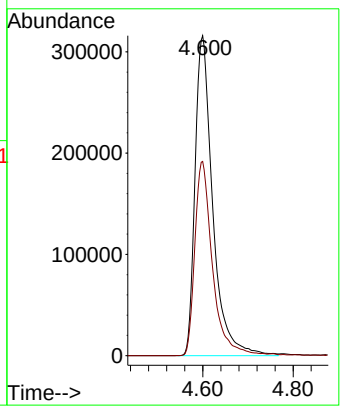


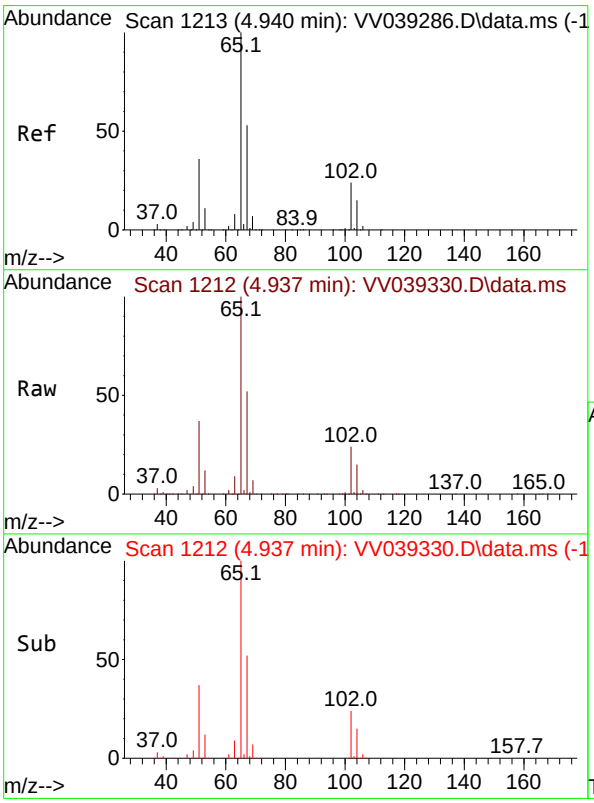
#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 4.600 min Scan# 11
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion:168 Resp: 856812

Ion	Ratio	Lower	Upper
168	100		
99	60.6	46.6	70.0

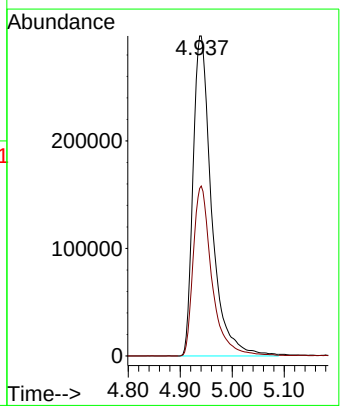


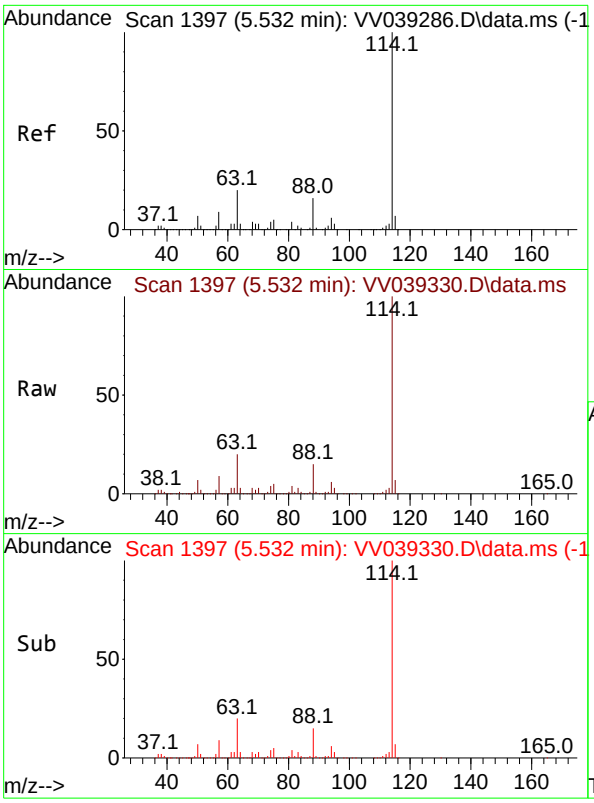


#33
1,2-Dichloroethane-d4
Concen: 60.726 ug/l
RT: 4.937 min Scan# 1212
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Tgt Ion: 65 Resp: 739326

Ion	Ratio	Lower	Upper
65	100		
67	53.5	0.0	108.4



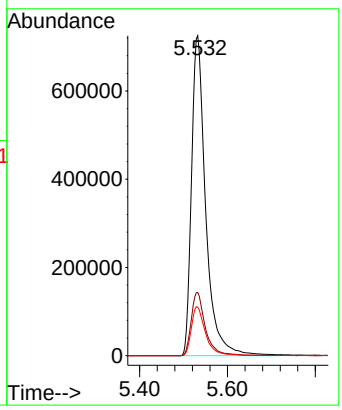


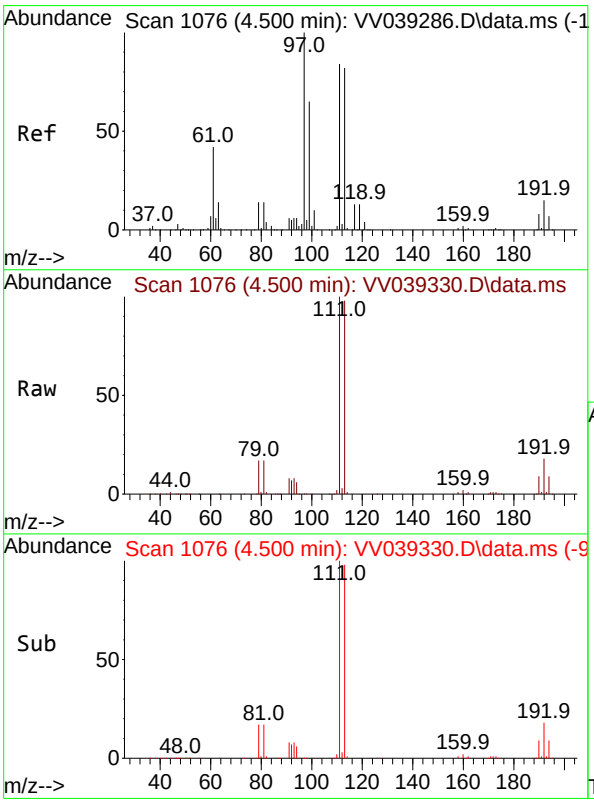
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 5.532 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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

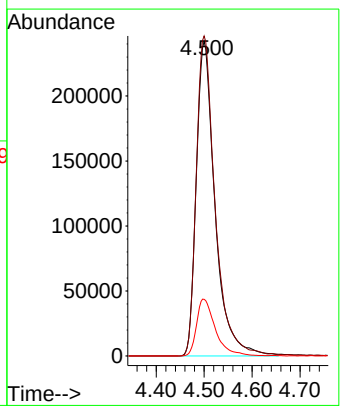


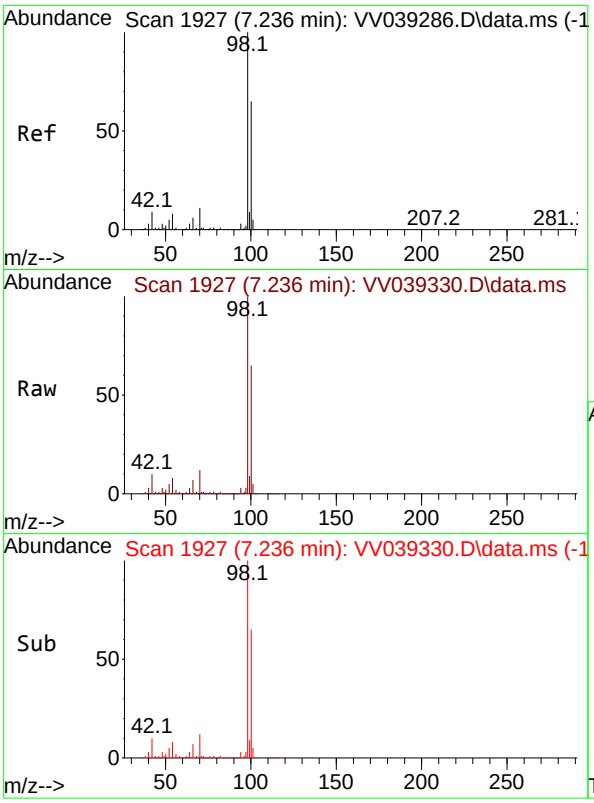


#35
Dibromofluoromethane
Concen: 51.229 ug/l
RT: 4.500 min Scan# 1076
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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



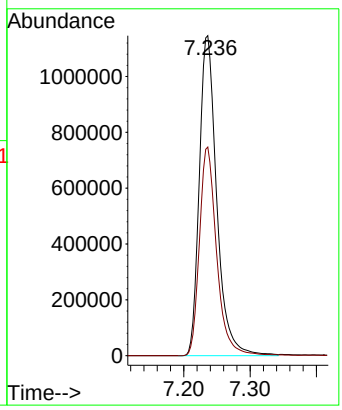


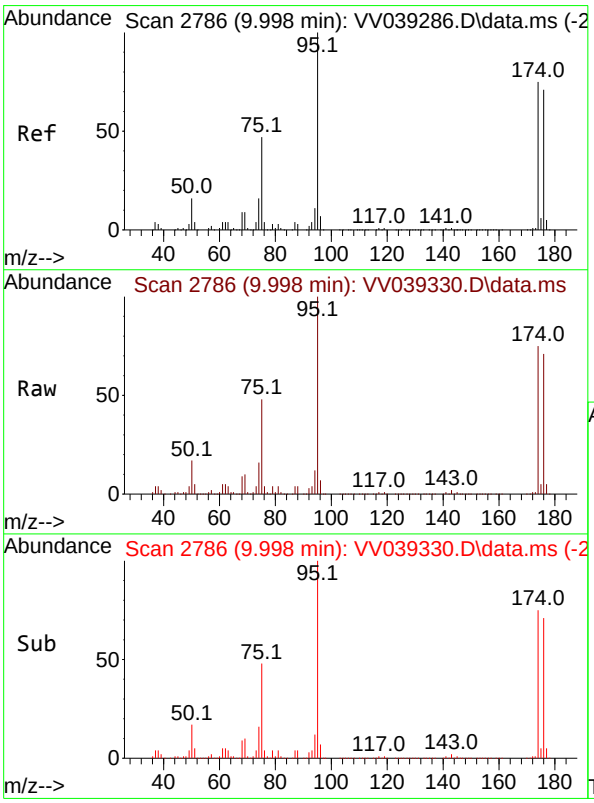
#50
Toluene-d8
Concen: 48.001 ug/l
RT: 7.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

Tgt Ion: 98 Resp: 2095273

Ion	Ratio	Lower	Upper
98	100		
100	64.5	52.8	79.2

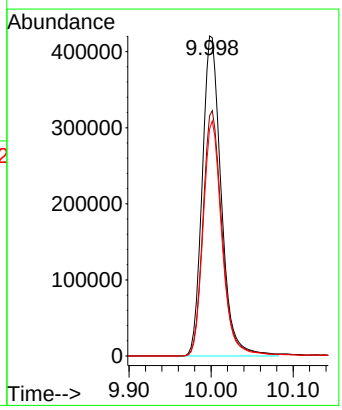


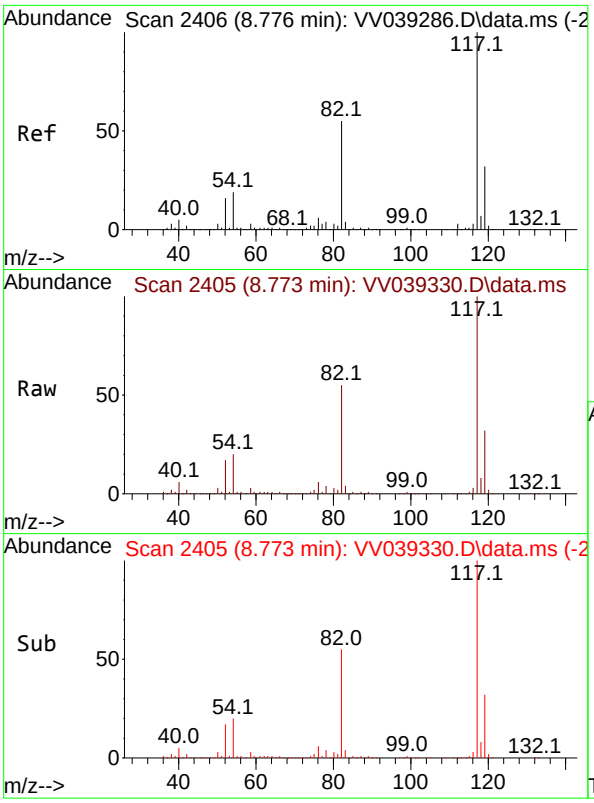


#62
4-Bromofluorobenzene
Concen: 43.374 ug/l
RT: 9.998 min Scan# 2786
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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



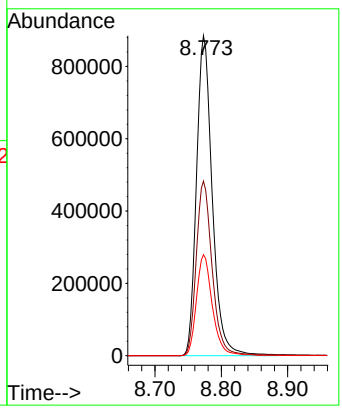


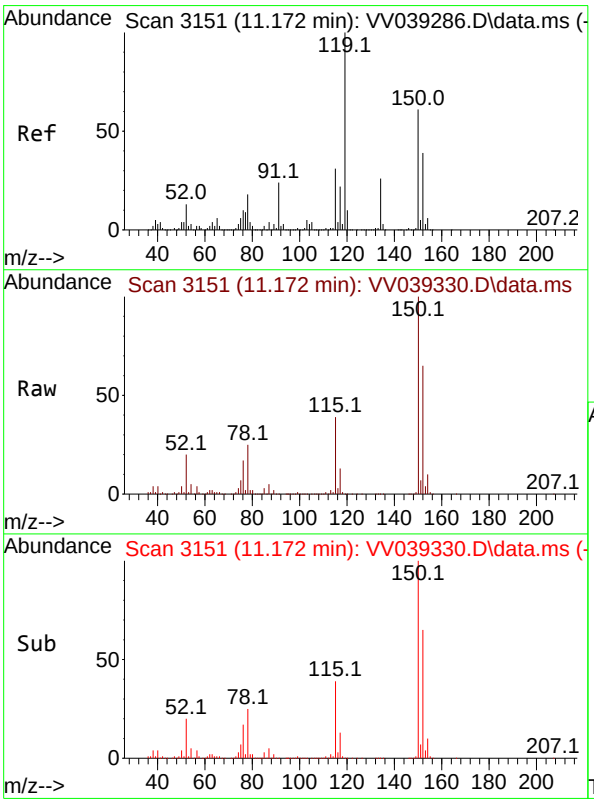
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 8.773 min Scan# 24
Delta R.T. -0.003 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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

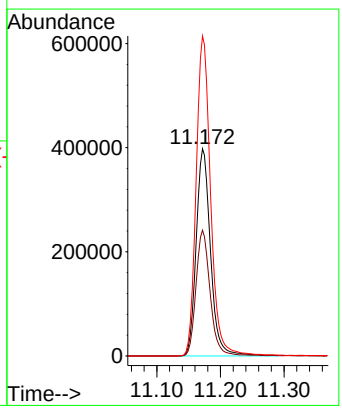




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 11.172 min Scan# 3151
Delta R.T. -0.000 min
Lab File: VV039330.D
Acq: 05 Nov 2025 12:29

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



Sample Results: **VV039330.D**

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

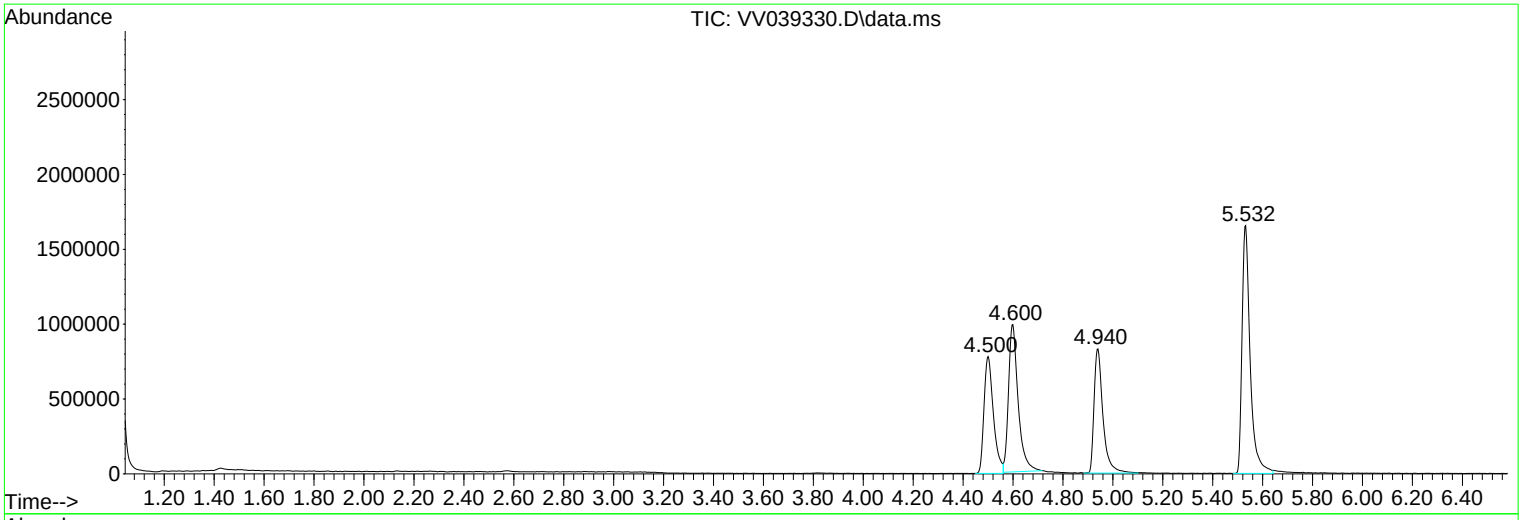
Sample Results: **VV039330.D**

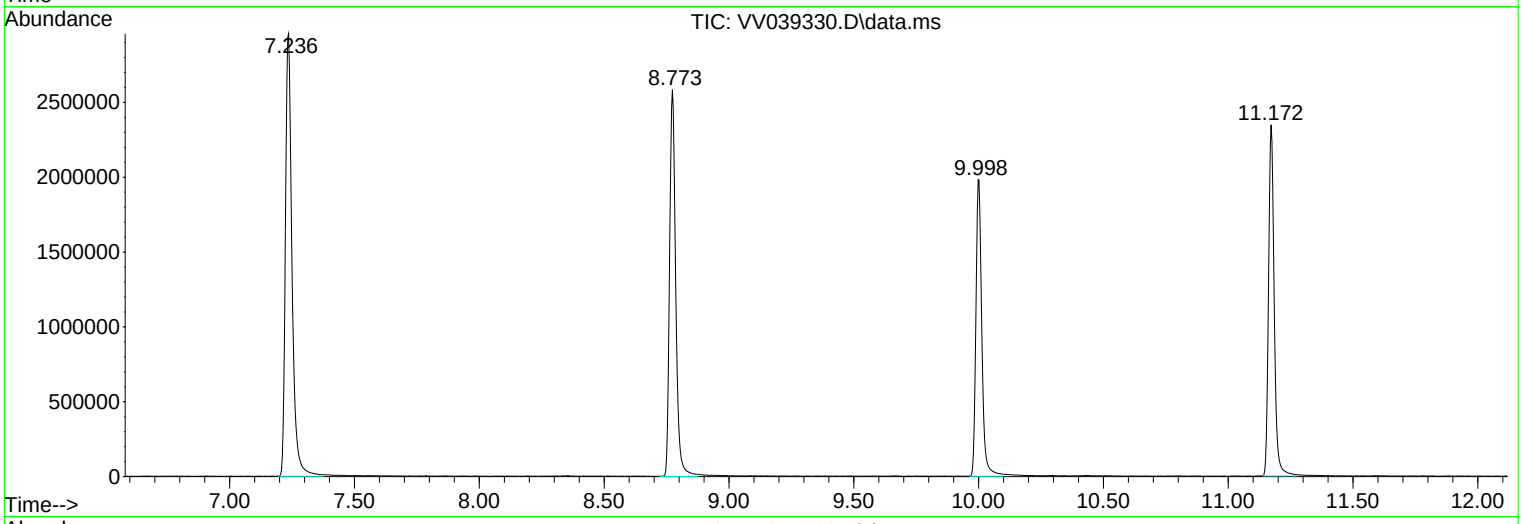
Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039330.D
Acq On : 05 Nov 2025 12:29
Operator : SY/MD
Sample : VV1105WBL01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 4 Sample Multiplier: 1

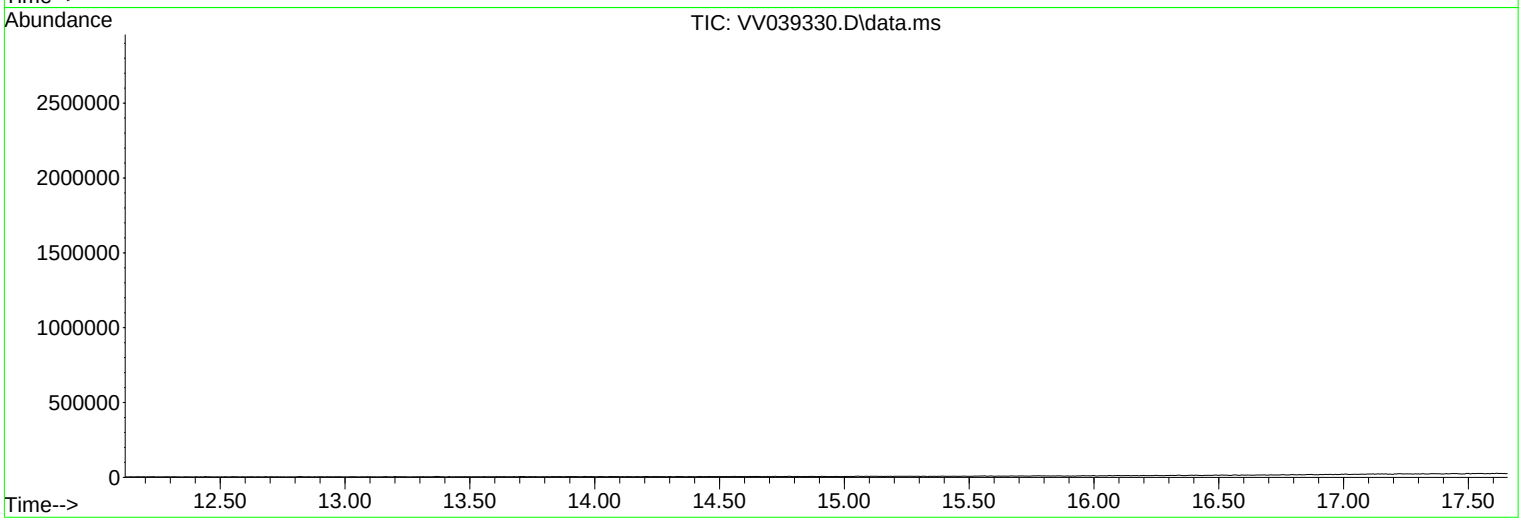
Instrument :
MSVOA_V
ClientSampleId :
VV1105WBL01

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







Library Search Compound Report

Sample Results: **VV039330.D**

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

A
B
C
D
E
F
G
H
I
J

No Library Search Compounds Detected
****

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

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

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

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

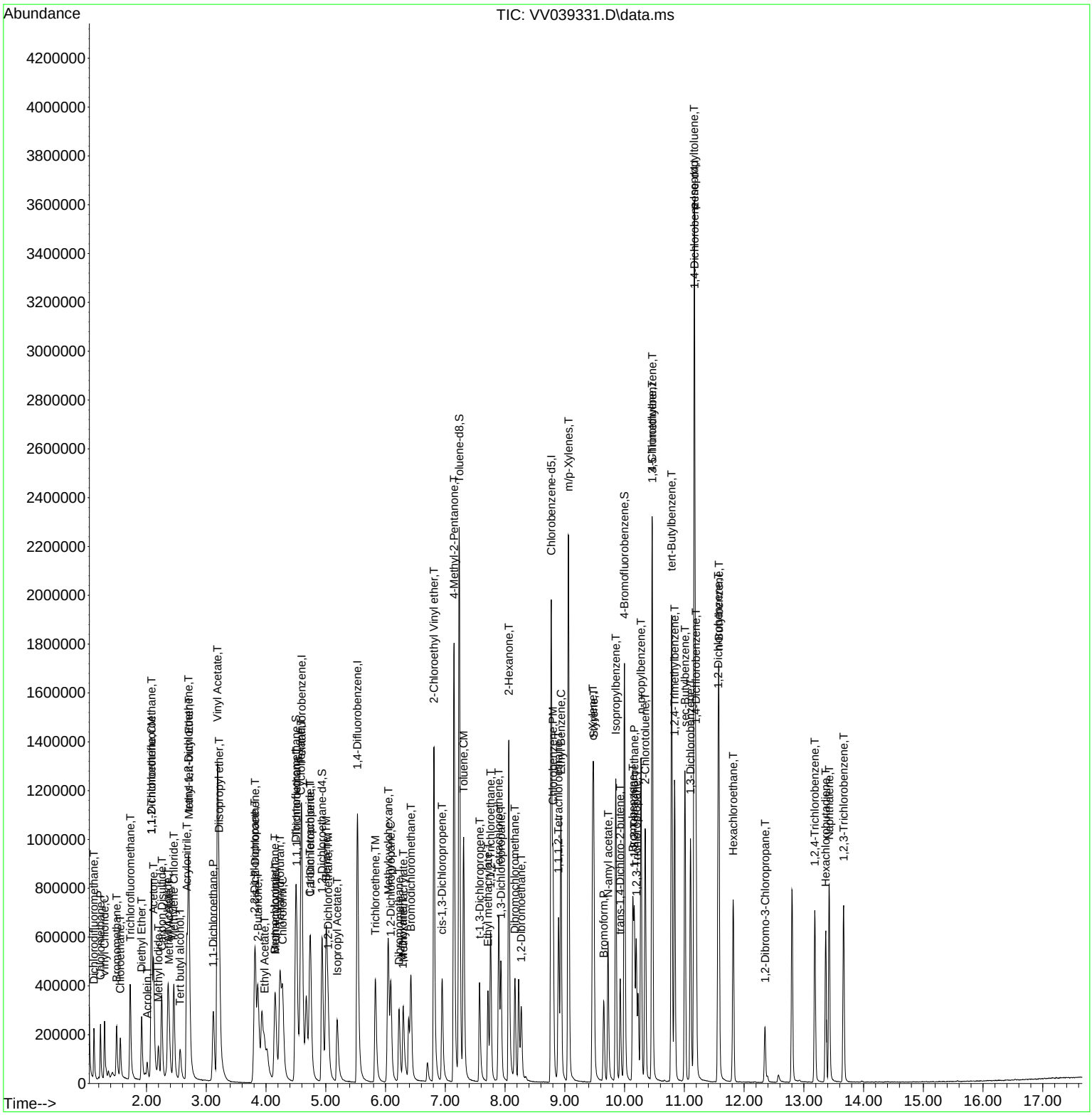
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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	690271	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	5.532	114	1108460	50.000	ug/l	0.00
63) Chlorobenzene-d5	8.773	117	1064992	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	11.172	152	609759	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	4.941	65	510203	52.017	ug/l	0.00
Spiked Amount 50.000	Range 81 - 118		Recovery = 104.040%			
35) Dibromofluoromethane	4.500	113	449490	51.465	ug/l	0.00
Spiked Amount 50.000	Range 80 - 119		Recovery = 102.940%			
50) Toluene-d8	7.233	98	1597836	53.777	ug/l	0.00
Spiked Amount 50.000	Range 89 - 112		Recovery = 107.560%			
62) 4-Bromofluorobenzene	9.998	95	572225	54.077	ug/l	0.00
Spiked Amount 50.000	Range 85 - 114		Recovery = 108.160%			
Target Compounds						Qvalue
2) Dichlorodifluoromethane	1.121	85	146220	16.760	ug/l	99
3) Chloromethane	1.230	50	159751	17.587	ug/l	99
4) Vinyl Chloride	1.298	62	185810	17.931	ug/l	100
5) Bromomethane	1.500	94	120570	17.932	ug/l	99
6) Chloroethane	1.561	64	129893	21.418	ug/l	97
7) Trichlorofluoromethane	1.725	101	291748	18.429	ug/l	99
8) Diethyl Ether	1.918	74	108799	19.018	ug/l	98
9) 1,1,2-Trichlorotrifluo...	2.082	101	181308	19.127	ug/l	98
10) Methyl Iodide	2.198	142	149055	18.251	ug/l	99
11) Tert butyl alcohol	2.565	59	166736	87.718	ug/l	100
12) 1,1-Dichloroethene	2.085	96	167515	17.998	ug/l	99
13) Acrolein	2.011	56	60142	49.139	ug/l	92
14) Allyl chloride	2.359	41	274082	18.576	ug/l	99
15) Acrylonitrile	2.674	53	527167	93.519	ug/l	99
16) Acetone	2.118	43	509330	105.816	ug/l	99
17) Carbon Disulfide	2.253	76	477677	18.170	ug/l	100
18) Methyl Acetate	2.381	43	216186	17.009	ug/l	97
19) Methyl tert-butyl Ether	2.712	73	556630	19.869	ug/l	99
20) Methylene Chloride	2.458	84	198518	21.545	ug/l	97
21) trans-1,2-Dichloroethene	2.703	96	182287	18.601	ug/l	97
22) Diisopropyl ether	3.214	45	550110	20.767	ug/l #	74
23) Vinyl Acetate	3.188	43	2413916	103.799	ug/l	99
24) 1,1-Dichloroethane	3.121	63	338212	19.057	ug/l	100
25) 2-Butanone	3.867	43	600600	100.127	ug/l	98
26) 2,2-Dichloropropane	3.812	77	278230	19.465	ug/l	100
27) cis-1,2-Dichloroethene	3.822	96	195363	19.910	ug/l	99
28) Bromochloromethane	4.146	49	150914	19.946	ug/l	99
29) Tetrahydrofuran	4.237	42	379687	98.999	ug/l	98
30) Chloroform	4.278	83	348726	19.269	ug/l	98
31) Cyclohexane	4.584	56	261404	20.223	ug/l	95
32) 1,1,1-Trichloroethane	4.513	97	302005	19.086	ug/l	100
36) 1,1-Dichloropropene	4.748	75	215914	19.683	ug/l	98
37) Ethyl Acetate	3.979	43	244819	19.063	ug/l	96
38) Carbon Tetrachloride	4.735	117	261566	19.572	ug/l	97
39) Methylcyclohexane	6.047	83	244575	19.508	ug/l	98
40) Benzene	5.011	78	703684	19.991	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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	4.166	41	98163	18.958	ug/l		95
42) 1,2-Dichloroethane	5.040	62	238922	19.340	ug/l		100
43) Isopropyl Acetate	5.195	43	341886	20.334	ug/l		100
44) Trichloroethene	5.835	130	172679	19.508	ug/l		99
45) 1,2-Dichloropropane	6.092	63	178359	20.823	ug/l		100
46) Dibromomethane	6.227	93	139548	19.492	ug/l		99
47) Bromodichloromethane	6.426	83	275844	19.554	ug/l		99
48) Methyl methacrylate	6.298	41	146512	18.810	ug/l		97
49) 1,4-Dioxane	6.291	88	52005	401.352	ug/l		93
51) 4-Methyl-2-Pentanone	7.146	43	1223731	104.909	ug/l		97
52) Toluene	7.307	92	451768	21.256	ug/l		100
53) t-1,3-Dichloropropene	7.574	75	255657	20.737	ug/l		100
54) cis-1,3-Dichloropropene	6.950	75	285977	20.864	ug/l		99
55) 1,1,2-Trichloroethane	7.760	97	194718	20.290	ug/l		99
56) Ethyl methacrylate	7.715	69	224114	20.612	ug/l		98
57) 1,3-Dichloropropane	7.934	76	297149	20.518	ug/l		98
58) 2-Chloroethyl Vinyl ether	6.812	63	654835	104.624	ug/l		99
59) 2-Hexanone	8.063	43	904520	105.624	ug/l		96
60) Dibromochloromethane	8.166	129	224625	20.018	ug/l		99
61) 1,2-Dibromoethane	8.272	107	201318	20.146	ug/l		99
64) Tetrachloroethene	7.896	164	155960	20.075	ug/l		97
65) Chlorobenzene	8.802	112	505581	20.053	ug/l		99
66) 1,1,1,2-Tetrachloroethane	8.895	131	186681	19.768	ug/l		98
67) Ethyl Benzene	8.937	91	757371	20.394	ug/l		99
68) m/p-Xylenes	9.063	106	635807	43.166	ug/l		98
69) o-Xylene	9.468	106	277840	21.360	ug/l		99
70) Styrene	9.487	104	510503	22.057	ug/l		99
71) Bromoform	9.654	173	150752	19.740	ug/l	#	99
73) Isopropylbenzene	9.854	105	778623	21.028	ug/l		100
74) N-amyl acetate	9.725	43	291290	19.092	ug/l		98
75) 1,1,2,2-Tetrachloroethane	10.166	83	307667	18.094	ug/l		99
76) 1,2,3-Trichloropropane	10.198	75	227760	18.715	ug/l		95
77) Bromobenzene	10.140	156	207064	20.342	ug/l		99
78) n-propylbenzene	10.278	91	934818	20.807	ug/l		100
79) 2-Chlorotoluene	10.346	91	590696	21.295	ug/l		99
80) 1,3,5-Trimethylbenzene	10.465	105	672243	21.647	ug/l		100
81) trans-1,4-Dichloro-2-b...	9.928	75	92394	19.173	ug/l		99
82) 4-Chlorotoluene	10.461	91	686682	21.537	ug/l		99
83) tert-Butylbenzene	10.789	119	614811	19.938	ug/l		99
84) 1,2,4-Trimethylbenzene	10.838	105	659676	21.578	ug/l		100
85) sec-Butylbenzene	11.011	105	801575	20.560	ug/l		100
86) p-Isopropyltoluene	11.165	119	693353	20.684	ug/l		99
87) 1,3-Dichlorobenzene	11.104	146	407017	20.047	ug/l		100
88) 1,4-Dichlorobenzene	11.194	146	436065	19.191	ug/l		99
89) n-Butylbenzene	11.580	91	615426	19.714	ug/l		99
90) Hexachloroethane	11.818	117	152309	18.375	ug/l		99
91) 1,2-Dichlorobenzene	11.567	146	375694	19.453	ug/l		99
92) 1,2-Dibromo-3-Chloropr...	12.349	75	60725	17.368	ug/l		98
93) 1,2,4-Trichlorobenzene	13.185	180	213606	19.831	ug/l		99
94) Hexachlorobutadiene	13.368	225	95038	17.424	ug/l		99
95) Naphthalene	13.426	128	669914	18.983	ug/l		99
96) 1,2,3-Trichlorobenzene	13.667	180	217871	19.461	ug/l		98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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

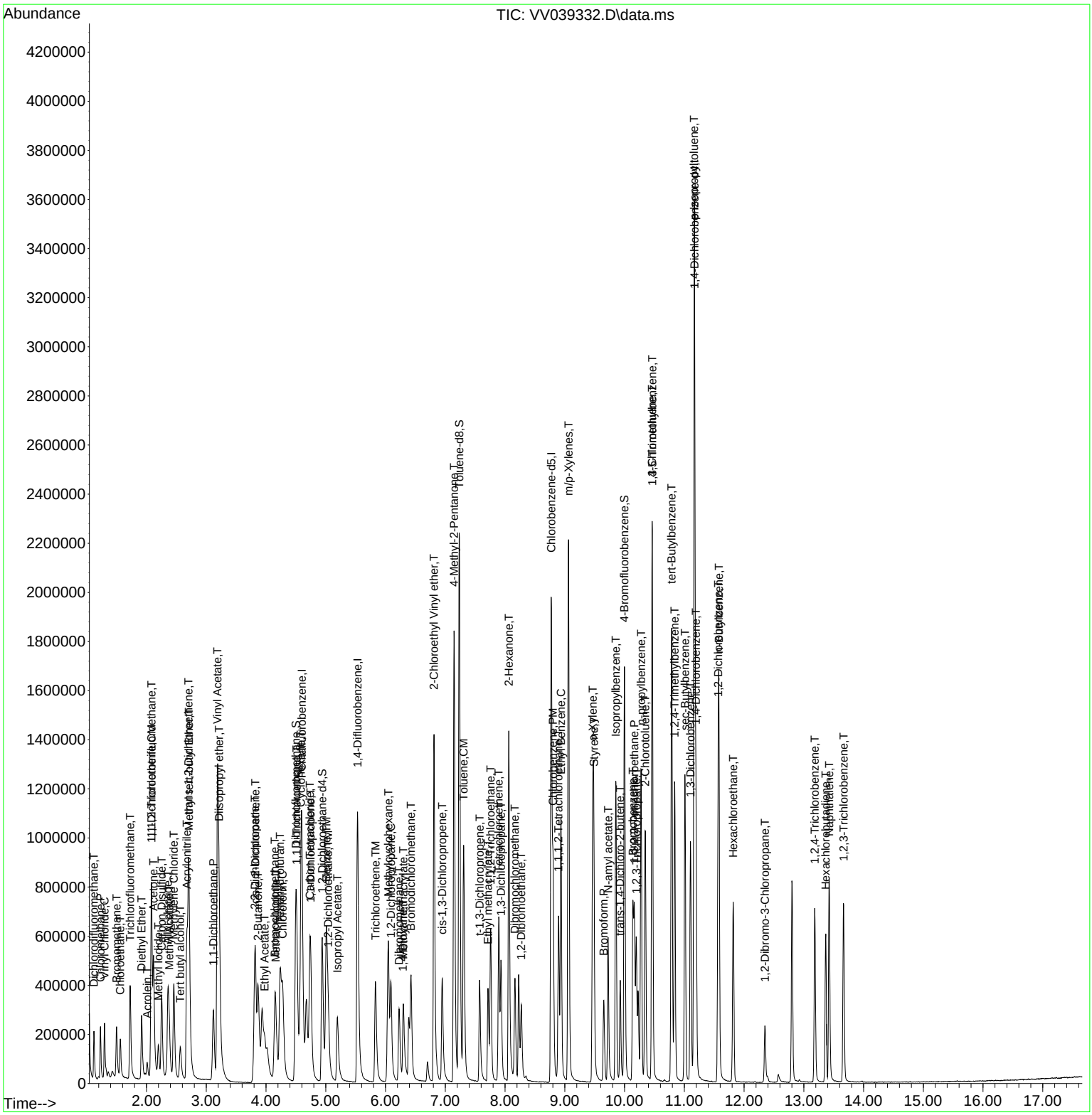
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_V\DATA\VV110525\
Data File : VV039332.D
Acq On : 05 Nov 2025 13:17
Operator : SY/MD
Sample : VV1105WBSD01
Misc : 5.0mL/MSVOA_V/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_V
ClientSampleId :
VV1105WBSD01

Quant Time: Nov 06 00:13:35 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



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

Manual Integration Report

Sequence:	VV100725	Instrument	MSVOA_v

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

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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

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Manual Integration Report

Sequence:	VV110525	Instrument	MSVOA_v

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
Q3552-03	VV039339.D	Diisopropyl ether	Amit	11/6/2025 11:32:51 AM	MMDadoda	11/6/2025 11:33:26 AM	Peak Integrated by Software
Q3552-01	VV039342.D	2-Chlorotoluene	Amit	11/6/2025 11:32:55 AM	MMDadoda	11/6/2025 11:33:30 AM	Peak Integrated by Software
Q3552-01	VV039342.D	n-Butylbenzene	Amit	11/6/2025 11:32:55 AM	MMDadoda	11/6/2025 11:33:30 AM	Peak Integrated by Software

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch 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	Data File Name	Date-Time	Operator	Status
1	BFB	VV039281.D	07 Oct 2025 08:25	SY/MD	Ok
2	VSTDICC001	VV039282.D	07 Oct 2025 09:40	SY/MD	Ok,M
3	VSTDICC005	VV039283.D	07 Oct 2025 10:03	SY/MD	Ok,M
4	VSTDICC010	VV039284.D	07 Oct 2025 10:25	SY/MD	Ok
5	VSTDICC020	VV039285.D	07 Oct 2025 10:47	SY/MD	Ok
6	VSTDICCC050	VV039286.D	07 Oct 2025 11:10	SY/MD	Ok
7	VSTDICC100	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

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Fax : 908 789 8922

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	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	VP136055
Initial Calibration Stds	
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

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Instrument ID: MSVOA_V

Daily Analysis Runlog For Sequence/QCBatch 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	ICVVV100725	VV039289.D	07 Oct 2025 12:18		SY/MD	Ok

M : Manual Integration

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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	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	VP136055
Initial Calibration Stds	
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

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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	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	VP136055
Initial Calibration Stds	
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

M : Manual Integration

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LAB CHRONICLE

OrderID:	Q3552	**OrderDate:**	11/5/2025 2:23:00 PM
Client:	Remington & Vernick Engineers	**Project:**	Edison Landfill
Contact:	Kyle Carlson	**Location:**	D41,VOA Ref. #3 Water

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3552-01	**MW-4**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-02	**MW-8**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-03	**MW-9**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-04	**MW-10**	**Water**			**11/05/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-05	**MW-3**	**Water**			**11/04/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	
Q3552-06	**TB**	**Water**			**11/05/25**			**11/05/25**
			VOC-TCLVOA-10	8260-Low			11/05/25	