

Hit Summary Sheet
SW-846

SDG No.: Q3715
Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW2							
Q3715-01	MW2	Water	Cyclohexane	6.70		1.50	5.00	ug/L
Q3715-01	MW2	Water	Methylcyclohexane	3.50		0.16	1.00	ug/L
Q3715-01	MW2	Water	Benzene	1.90		0.15	1.00	ug/L
Q3715-01	MW2	Water	Trichloroethene	0.50	J	0.090	1.00	ug/L
Q3715-01	MW2	Water	Toluene	0.49	J	0.14	1.00	ug/L
Q3715-01	MW2	Water	Tetrachloroethene	0.44	J	0.23	1.00	ug/L
Q3715-01	MW2	Water	Ethyl Benzene	1.30		0.13	1.00	ug/L
Q3715-01	MW2	Water	m/p-Xylenes	0.84	J	0.24	2.00	ug/L
Q3715-01	MW2	Water	Isopropylbenzene	5.20		0.12	1.00	ug/L
			Total Voc :		20.9			
Q3715-01	MW2	Water	Butane, 2-methyl-	* 27.8	J	0	0	ug/L
Q3715-01	MW2	Water	Butane, 2,3-dimethyl-	* 8.60	J	0	0	ug/L
Q3715-01	MW2	Water	Pentane, 3-methyl-	* 16.4	J	0	0	ug/L
Q3715-01	MW2	Water	Cyclopentane, methyl-	* 16.7	J	0	0	ug/L
Q3715-01	MW2	Water	Benzene, 1,2,3,4-tetramethyl-	* 9.50	J	0	0	ug/L
Q3715-01	MW2	Water	Benzene, 1-ethenyl-2-methyl-	* 21.9	J	0	0	ug/L
Q3715-01	MW2	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 7.60	J	0	0	ug/L
Q3715-01	MW2	Water	Benzene, 2-ethenyl-1,4-dimethyl-	* 6.50	J	0	0	ug/L
Q3715-01	MW2	Water	Benzene, 1-ethenyl-3-ethyl-	* 11.1	J	0	0	ug/L
Q3715-01	MW2	Water	n-propylbenzene	* 11.1	J	0.13	1.00	ug/L
Q3715-01	MW2	Water	1,3,5-Trimethylbenzene	* 0.26	J	0.15	1.00	ug/L
Q3715-01	MW2	Water	tert-Butylbenzene	* 0.24	J	0.14	1.00	ug/L
Q3715-01	MW2	Water	sec-Butylbenzene	* 1.40	J	0.13	1.00	ug/L
Q3715-01	MW2	Water	n-Butylbenzene	* 0.99	J	0.15	1.00	ug/L
Q3715-01	MW2	Water	Naphthalene	* 2.10	J	0.20	1.00	ug/L
			Total Tics :		142			
			Total Concentration:		163			
Client ID:	MW6							
Q3715-02	MW6	Water	Cyclohexane	180		5.80	20.0	ug/L
Q3715-02	MW6	Water	2-Butanone	39.5		3.90	20.0	ug/L
Q3715-02	MW6	Water	Methylcyclohexane	170		0.64	4.00	ug/L
Q3715-02	MW6	Water	Benzene	14.5		0.60	4.00	ug/L
Q3715-02	MW6	Water	Toluene	7.00		0.56	4.00	ug/L
Q3715-02	MW6	Water	Ethyl Benzene	200		0.52	4.00	ug/L
Q3715-02	MW6	Water	m/p-Xylenes	110		0.96	8.00	ug/L
Q3715-02	MW6	Water	o-Xylene	6.90		0.48	4.00	ug/L

Hit Summary Sheet SW-846

SDG No.: Q3715

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3715-02	MW6	Water	Isopropylbenzene	170		0.48	4.00	ug/L
			Total Voc :			898		
Q3715-02	MW6	Water	Butane, 2-methyl-	* 300	J	0	0	ug/L
Q3715-02	MW6	Water	Pentane, 3-methyl-	* 150	J	0	0	ug/L
Q3715-02	MW6	Water	Cyclopentane, methyl-	* 240	J	0	0	ug/L
Q3715-02	MW6	Water	Pentane, 2-methyl-	* 250	J	0	0	ug/L
Q3715-02	MW6	Water	Pentane	* 120	J	0	0	ug/L
Q3715-02	MW6	Water	Benzene, 1,3-diethyl-	* 340	J	0	0	ug/L
Q3715-02	MW6	Water	Benzene, 1,2,3,5-tetramethyl-	* 390	J	0	0	ug/L
Q3715-02	MW6	Water	Benzene, 1-ethyl-2-methyl-	* 140	J	0	0	ug/L
Q3715-02	MW6	Water	1H-Indene, 2,3-dihydro-5-meth	* 240	J	0	0	ug/L
Q3715-02	MW6	Water	Benzene, 4-ethyl-1,2-dimethyl-	* 700	J	0	0	ug/L
Q3715-02	MW6	Water	Benzene, 2-ethenyl-1,4-dimethy	* 550	J	0	0	ug/L
Q3715-02	MW6	Water	n-propylbenzene	* 610	J	0.52	4.00	ug/L
Q3715-02	MW6	Water	1,3,5-Trimethylbenzene	* 51.6	J	0.60	4.00	ug/L
Q3715-02	MW6	Water	tert-Butylbenzene	* 8.40	J	0.56	4.00	ug/L
Q3715-02	MW6	Water	1,2,4-Trimethylbenzene	* 16.0	J	0.56	4.00	ug/L
Q3715-02	MW6	Water	sec-Butylbenzene	* 58.7	J	0.52	4.00	ug/L
Q3715-02	MW6	Water	p-Isopropyltoluene	* 18.3	J	0.52	4.00	ug/L
Q3715-02	MW6	Water	n-Butylbenzene	* 85.8	J	0.60	4.00	ug/L
Q3715-02	MW6	Water	Naphthalene	* 80.3	J	0.80	4.00	ug/L
			Total Tics :			4350		
			Total Concentration:			5250		
Client ID:	MW7							
Q3715-03	MW7	Water	Chloromethane	0.52	J	0.32	1.00	ug/L
Q3715-03	MW7	Water	Tetrachloroethene	2.50		0.23	1.00	ug/L
			Total Voc :			3.02		
			Total Concentration:			3.02		



SAMPLE DATA

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: MW2
Lab Sample ID: Q3715-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

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	11/25/25 12:39	VX112525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/25/25 12:39	VX112525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/25/25 12:39	VX112525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/25/25 12:39	VX112525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/25/25 12:39	VX112525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/25/25 12:39	VX112525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/25/25 12:39	VX112525
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/25/25 12:39	VX112525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 12:39	VX112525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/25/25 12:39	VX112525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/25/25 12:39	VX112525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/25/25 12:39	VX112525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/25/25 12:39	VX112525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/25/25 12:39	VX112525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 12:39	VX112525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/25/25 12:39	VX112525
110-82-7	Cyclohexane	6.70		1	1.50	5.00	ug/L	11/25/25 12:39	VX112525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/25/25 12:39	VX112525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/25/25 12:39	VX112525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/25/25 12:39	VX112525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 12:39	VX112525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/25/25 12:39	VX112525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/25/25 12:39	VX112525
108-87-2	Methylcyclohexane	3.50		1	0.16	1.00	ug/L	11/25/25 12:39	VX112525
71-43-2	Benzene	1.90		1	0.15	1.00	ug/L	11/25/25 12:39	VX112525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 12:39	VX112525
79-01-6	Trichloroethene	0.50	J	1	0.090	1.00	ug/L	11/25/25 12:39	VX112525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/25/25 12:39	VX112525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 12:39	VX112525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/25/25 12:39	VX112525
108-88-3	Toluene	0.49	J	1	0.14	1.00	ug/L	11/25/25 12:39	VX112525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/25/25 12:39	VX112525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/25/25 12:39	VX112525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/25/25 12:39	VX112525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/25/25 12:39	VX112525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/25/25 12:39	VX112525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/25/25 12:39	VX112525
127-18-4	Tetrachloroethene	0.44	J	1	0.23	1.00	ug/L	11/25/25 12:39	VX112525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/25/25 12:39	VX112525
100-41-4	Ethyl Benzene	1.30		1	0.13	1.00	ug/L	11/25/25 12:39	VX112525
179601-23-1	m/p-Xylenes	0.84	J	1	0.24	2.00	ug/L	11/25/25 12:39	VX112525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/25/25 12:39	VX112525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/25/25 12:39	VX112525

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: MW2
Lab Sample ID: Q3715-01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/25/25 12:39	VX112525
98-82-8	Isopropylbenzene	5.20		1	0.12	1.00	ug/L	11/25/25 12:39	VX112525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/25/25 12:39	VX112525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 12:39	VX112525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/25/25 12:39	VX112525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 12:39	VX112525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/25/25 12:39	VX112525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 12:39	VX112525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 12:39	VX112525

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.6			70 (74) - 130 (125)	105%	SPK: 50
1868-53-7	Dibromofluoromethane	47.3			70 (75) - 130 (124)	95%	SPK: 50
2037-26-5	Toluene-d8	53.5			70 (86) - 130 (113)	107%	SPK: 50
460-00-4	4-Bromofluorobenzene	63.1			70 (77) - 130 (121)	126%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	172000
540-36-3	1,4-Difluorobenzene	315000
3114-55-4	Chlorobenzene-d5	371000
3855-82-1	1,4-Dichlorobenzene-d4	199000

TENTATIVE IDENTIFIED COMPOUNDS

000078-78-4	Butane, 2-methyl-	27.8	J			1.76	ug/L
000079-29-8	Butane, 2,3-dimethyl-	8.60	J			2.78	ug/L
000096-14-0	Pentane, 3-methyl-	16.4	J			3.10	ug/L
000096-37-7	Cyclopentane, methyl-	16.7	J			4.30	ug/L
103-65-1	n-propylbenzene	11.1	J			11.3	ug/L
108-67-8	1,3,5-Trimethylbenzene	0.26	J			11.4	ug/L
98-06-6	tert-Butylbenzene	0.24	J			11.7	ug/L
135-98-8	sec-Butylbenzene	1.40	J			11.9	ug/L
000611-15-4	Benzene, 1-ethenyl-2-methyl-	21.9	J			12.2	ug/L
104-51-8	n-Butylbenzene	0.99	J			12.3	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	7.60	J			12.6	ug/L
007525-62-4	Benzene, 1-ethenyl-3-ethyl-	11.1	J			12.7	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	9.50	J			12.9	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	6.50	J			13.3	ug/L
91-20-3	Naphthalene	2.10	J			13.8	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: MW6
Lab Sample ID: Q3715-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 12:30	VN120125
74-87-3	Chloromethane	1.30	U	4	1.30	4.00	ug/L	12/01/25 12:30	VN120125
75-01-4	Vinyl Chloride	1.00	U	4	1.00	4.00	ug/L	12/01/25 12:30	VN120125
74-83-9	Bromomethane	5.80	U	4	5.80	20.0	ug/L	12/01/25 12:30	VN120125
75-00-3	Chloroethane	1.90	U	4	1.90	4.00	ug/L	12/01/25 12:30	VN120125
75-69-4	Trichlorofluoromethane	1.30	U	4	1.30	4.00	ug/L	12/01/25 12:30	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	4	1.00	4.00	ug/L	12/01/25 12:30	VN120125
75-65-0	Tert butyl alcohol	22.0	U	4	22.0	100	ug/L	12/01/25 12:30	VN120125
75-35-4	1,1-Dichloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 12:30	VN120125
67-64-1	Acetone	6.00	U	4	6.00	20.0	ug/L	12/01/25 12:30	VN120125
75-15-0	Carbon Disulfide	0.84	U	4	0.84	4.00	ug/L	12/01/25 12:30	VN120125
1634-04-4	Methyl tert-butyl Ether	0.64	U	4	0.64	4.00	ug/L	12/01/25 12:30	VN120125
79-20-9	Methyl Acetate	1.10	U	4	1.10	4.00	ug/L	12/01/25 12:30	VN120125
75-09-2	Methylene Chloride	1.10	U	4	1.10	4.00	ug/L	12/01/25 12:30	VN120125
156-60-5	trans-1,2-Dichloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 12:30	VN120125
75-34-3	1,1-Dichloroethane	0.92	U	4	0.92	4.00	ug/L	12/01/25 12:30	VN120125
110-82-7	Cyclohexane	180		4	5.80	20.0	ug/L	12/01/25 12:30	VN120125
78-93-3	2-Butanone	39.5		4	3.90	20.0	ug/L	12/01/25 12:30	VN120125
56-23-5	Carbon Tetrachloride	1.00	U	4	1.00	4.00	ug/L	12/01/25 12:30	VN120125
156-59-2	cis-1,2-Dichloroethene	0.76	U	4	0.76	4.00	ug/L	12/01/25 12:30	VN120125
74-97-5	Bromochloromethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 12:30	VN120125
67-66-3	Chloroform	1.00	U	4	1.00	4.00	ug/L	12/01/25 12:30	VN120125
71-55-6	1,1,1-Trichloroethane	0.80	U	4	0.80	4.00	ug/L	12/01/25 12:30	VN120125
108-87-2	Methylcyclohexane	170		4	0.64	4.00	ug/L	12/01/25 12:30	VN120125
71-43-2	Benzene	14.5		4	0.60	4.00	ug/L	12/01/25 12:30	VN120125
107-06-2	1,2-Dichloroethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 12:30	VN120125
79-01-6	Trichloroethene	0.37	U	4	0.37	4.00	ug/L	12/01/25 12:30	VN120125
78-87-5	1,2-Dichloropropane	0.80	U	4	0.80	4.00	ug/L	12/01/25 12:30	VN120125
75-27-4	Bromodichloromethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 12:30	VN120125
108-10-1	4-Methyl-2-Pentanone	2.70	U	4	2.70	20.0	ug/L	12/01/25 12:30	VN120125
108-88-3	Toluene	7.00		4	0.56	4.00	ug/L	12/01/25 12:30	VN120125
10061-02-6	t-1,3-Dichloropropene	0.68	U	4	0.68	4.00	ug/L	12/01/25 12:30	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.64	U	4	0.64	4.00	ug/L	12/01/25 12:30	VN120125
79-00-5	1,1,2-Trichloroethane	0.84	U	4	0.84	4.00	ug/L	12/01/25 12:30	VN120125
591-78-6	2-Hexanone	3.60	U	4	3.60	20.0	ug/L	12/01/25 12:30	VN120125
124-48-1	Dibromochloromethane	0.72	U	4	0.72	4.00	ug/L	12/01/25 12:30	VN120125
106-93-4	1,2-Dibromoethane	0.60	U	4	0.60	4.00	ug/L	12/01/25 12:30	VN120125
127-18-4	Tetrachloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 12:30	VN120125
108-90-7	Chlorobenzene	0.48	U	4	0.48	4.00	ug/L	12/01/25 12:30	VN120125
100-41-4	Ethyl Benzene	200		4	0.52	4.00	ug/L	12/01/25 12:30	VN120125
179601-23-1	m/p-Xylenes	110		4	0.96	8.00	ug/L	12/01/25 12:30	VN120125
95-47-6	o-Xylene	6.90		4	0.48	4.00	ug/L	12/01/25 12:30	VN120125
100-42-5	Styrene	0.60	U	4	0.60	4.00	ug/L	12/01/25 12:30	VN120125

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: MW6
Lab Sample ID: Q3715-02
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.76	U	4	0.76	4.00	ug/L	12/01/25 12:30	VN120125
98-82-8	Isopropylbenzene	170		4	0.48	4.00	ug/L	12/01/25 12:30	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	4	1.00	4.00	ug/L	12/01/25 12:30	VN120125
541-73-1	1,3-Dichlorobenzene	0.64	U	4	0.64	4.00	ug/L	12/01/25 12:30	VN120125
106-46-7	1,4-Dichlorobenzene	0.76	U	4	0.76	4.00	ug/L	12/01/25 12:30	VN120125
95-50-1	1,2-Dichlorobenzene	0.64	U	4	0.64	4.00	ug/L	12/01/25 12:30	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	4	2.10	4.00	ug/L	12/01/25 12:30	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.80	U	4	0.80	4.00	ug/L	12/01/25 12:30	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.80	U	4	0.80	4.00	ug/L	12/01/25 12:30	VN120125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.1			70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	49.3			70 (75) - 130 (124)	99%	SPK: 50
2037-26-5	Toluene-d8	49.9			70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.0			70 (77) - 130 (121)	110%	SPK: 50

INTERNAL STANDARDS**Area Count**

363-72-4	Pentafluorobenzene	190000
540-36-3	1,4-Difluorobenzene	425000
3114-55-4	Chlorobenzene-d5	411000
3855-82-1	1,4-Dichlorobenzene-d4	195000

TENTATIVE IDENTIFIED COMPOUNDS

000078-78-4	Butane, 2-methyl-	300	J			3.27	ug/L
000109-66-0	Pentane	120	J			3.66	ug/L
000107-83-5	Pentane, 2-methyl-	250	J			5.33	ug/L
000096-14-0	Pentane, 3-methyl-	150	J			5.80	ug/L
000096-37-7	Cyclopentane, methyl-	240	J			7.31	ug/L
103-65-1	n-propylbenzene	610	J			13.0	ug/L
108-67-8	1,3,5-Trimethylbenzene	51.6	J			13.1	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	140	J			13.3	ug/L
98-06-6	tert-Butylbenzene	8.40	J			13.4	ug/L
95-63-6	1,2,4-Trimethylbenzene	16.0	J			13.5	ug/L
135-98-8	sec-Butylbenzene	58.7	J			13.6	ug/L
99-87-6	p-Isopropyltoluene	18.3	J			13.7	ug/L
000141-93-5	Benzene, 1,3-diethyl-	340	J			13.9	ug/L
104-51-8	n-Butylbenzene	85.8	J			14.0	ug/L
000934-80-5	Benzene, 4-ethyl-1,2-dimethyl-	700	J			14.3	ug/L
000527-53-7	Benzene, 1,2,3,5-tetramethyl-	390	J			14.6	ug/L
000874-35-1	1H-Indene, 2,3-dihydro-5-methyl-	240	J			14.9	ug/L
002039-89-6	Benzene, 2-ethenyl-1,4-dimethyl-	550	J			15.0	ug/L
91-20-3	Naphthalene	80.3	J			15.6	ug/L



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Fax : 908 789 8922

Report of Analysis

Client:	G Environmental	Date Collected:	11/24/25
Project:	Union	Date Received:	11/24/25
Client Sample ID:	MW6	SDG No.:	Q3715
Lab Sample ID:	Q3715-02	Matrix:	Water
Analytical Method:	8260D	% Solid:	0
Sample Wt/Vol:	5 mL	Test:	VOCMS Group1
	Level: LOW		
	Final Vol: 5000 uL		

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
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U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: MW7
Lab Sample ID: Q3715-03
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected: 11/24/25
Date Received: 11/24/25
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

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	11/25/25 13:00	VX112525
74-87-3	Chloromethane	0.52	J	1	0.32	1.00	ug/L	11/25/25 13:00	VX112525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/25/25 13:00	VX112525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/25/25 13:00	VX112525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/25/25 13:00	VX112525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/25/25 13:00	VX112525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/25/25 13:00	VX112525
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/25/25 13:00	VX112525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 13:00	VX112525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/25/25 13:00	VX112525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/25/25 13:00	VX112525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/25/25 13:00	VX112525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/25/25 13:00	VX112525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/25/25 13:00	VX112525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 13:00	VX112525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/25/25 13:00	VX112525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/25/25 13:00	VX112525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/25/25 13:00	VX112525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/25/25 13:00	VX112525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/25/25 13:00	VX112525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 13:00	VX112525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/25/25 13:00	VX112525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/25/25 13:00	VX112525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/25/25 13:00	VX112525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/25/25 13:00	VX112525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 13:00	VX112525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/25/25 13:00	VX112525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/25/25 13:00	VX112525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 13:00	VX112525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/25/25 13:00	VX112525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/25/25 13:00	VX112525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/25/25 13:00	VX112525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/25/25 13:00	VX112525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/25/25 13:00	VX112525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/25/25 13:00	VX112525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/25/25 13:00	VX112525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/25/25 13:00	VX112525
127-18-4	Tetrachloroethene	2.50		1	0.23	1.00	ug/L	11/25/25 13:00	VX112525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/25/25 13:00	VX112525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/25/25 13:00	VX112525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/25/25 13:00	VX112525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/25/25 13:00	VX112525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/25/25 13:00	VX112525

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: MW7
 Lab Sample ID: Q3715-03
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected: 11/24/25
 Date Received: 11/24/25
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/25/25 13:00	VX112525
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/25/25 13:00	VX112525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/25/25 13:00	VX112525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 13:00	VX112525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/25/25 13:00	VX112525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 13:00	VX112525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/25/25 13:00	VX112525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 13:00	VX112525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 13:00	VX112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.4			70 (74) - 130 (125)	103%	SPK: 50		
1868-53-7	Dibromofluoromethane	47.1			70 (75) - 130 (124)	94%	SPK: 50		
2037-26-5	Toluene-d8	55.2			70 (86) - 130 (113)	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	60.0			70 (77) - 130 (121)	120%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	167000							
540-36-3	1,4-Difluorobenzene	306000							
3114-55-4	Chlorobenzene-d5	379000							
3855-82-1	1,4-Dichlorobenzene-d4	189000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



QC SUMMARY

Surrogate Summary

SDG No.: **Q3715**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3715-01	MW2	1,2-Dichloroethane-d4	50	52.6	105		70 (74)	130 (125)
		Dibromofluoromethane	50	47.4	95		70 (75)	130 (124)
		Toluene-d8	50	53.5	107		70 (86)	130 (113)
		4-Bromofluorobenzene	50	63.1	126		70 (77)	130 (121)
Q3715-02	MW6	1,2-Dichloroethane-d4	50	52.1	104		70 (74)	130 (125)
		Dibromofluoromethane	50	49.3	99		70 (75)	130 (124)
		Toluene-d8	50	49.9	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.0	110		70 (77)	130 (121)
Q3715-03	MW7	1,2-Dichloroethane-d4	50	51.4	103		70 (74)	130 (125)
		Dibromofluoromethane	50	47.1	94		70 (75)	130 (124)
		Toluene-d8	50	55.2	110		70 (86)	130 (113)
		4-Bromofluorobenzene	50	60.0	120		70 (77)	130 (121)
VN1201WBL01	VN1201WBL01	1,2-Dichloroethane-d4	50	57.8	116		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	50.0	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.4	105		70 (77)	130 (121)
VN1201WBS01	VN1201WBS01	1,2-Dichloroethane-d4	50	56.0	112		70 (74)	130 (125)
		Dibromofluoromethane	50	55.1	110		70 (75)	130 (124)
		Toluene-d8	50	54.9	110		70 (86)	130 (113)
		4-Bromofluorobenzene	50	53.3	107		70 (77)	130 (121)
VN1201WBSD0	VN1201WBSD01	1,2-Dichloroethane-d4	50	52.2	104		70 (74)	130 (125)
		Dibromofluoromethane	50	52.3	105		70 (75)	130 (124)
		Toluene-d8	50	53.2	106		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.1	102		70 (77)	130 (121)
VX1125WBL01	VX1125WBL01	1,2-Dichloroethane-d4	50	56.6	113		70 (74)	130 (125)
		Dibromofluoromethane	50	46.3	93		70 (75)	130 (124)
		Toluene-d8	50	48.8	98		70 (86)	130 (113)
		4-Bromofluorobenzene	50	57.4	115		70 (77)	130 (121)
VX1125WBS01	VX1125WBS01	1,2-Dichloroethane-d4	50	51.2	102		70 (74)	130 (125)
		Dibromofluoromethane	50	45.9	92		70 (75)	130 (124)
		Toluene-d8	50	50.1	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.1	98		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088373.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1201WBS01	Dichlorodifluoromethane	20	18.2	ug/L	91			40 (69)	160 (116)	
	Chloromethane	20	19.4	ug/L	97			40 (65)	160 (116)	
	Vinyl chloride	20	18.9	ug/L	95			70 (65)	130 (117)	
	Bromomethane	20	19.7	ug/L	99			40 (58)	160 (125)	
	Chloroethane	20	19.5	ug/L	98			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.6	ug/L	93			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.6	ug/L	93			70 (80)	130 (112)	
	Tert butyl alcohol	100	87.5	ug/L	88			70 (48)	130 (142)	
	1,1-Dichloroethene	20	19.0	ug/L	95			70 (74)	130 (110)	
	Acetone	100	87.9	ug/L	88			40 (60)	160 (125)	
	Carbon disulfide	20	19.4	ug/L	97			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.9	ug/L	100			70 (78)	130 (114)	
	Methyl Acetate	20	19.1	ug/L	96			70 (57)	130 (150)	
	Methylene Chloride	20	20.0	ug/L	100			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	19.6	ug/L	98			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.8	ug/L	99			70 (78)	130 (112)	
	Cyclohexane	20	17.9	ug/L	90			70 (75)	130 (110)	
	2-Butanone	100	96.0	ug/L	96			40 (65)	160 (122)	
	Carbon Tetrachloride	20	18.3	ug/L	92			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	20.1	ug/L	101			70 (77)	130 (110)	
	Bromochloromethane	20	19.3	ug/L	97			70 (70)	130 (124)	
	Chloroform	20	20.3	ug/L	102			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	17.1	ug/L	86			70 (72)	130 (115)	
	Benzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	1,2-Dichloroethane	20	19.6	ug/L	98			70 (80)	130 (115)	
	Trichloroethene	20	18.8	ug/L	94			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.8	ug/L	99			70 (83)	130 (111)	
	Bromodichloromethane	20	19.5	ug/L	98			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	98.3	ug/L	98			40 (74)	160 (118)	
	Toluene	20	19.5	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	19.9	ug/L	100			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	20.1	ug/L	101			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.2	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	93.5	ug/L	94			40 (73)	160 (117)	
	Dibromochloromethane	20	20.1	ug/L	101			70 (82)	130 (110)	
	1,2-Dibromoethane	20	20.6	ug/L	103			70 (81)	130 (110)	
	Tetrachloroethene	20	17.9	ug/L	90			70 (67)	130 (123)	
	Chlorobenzene	20	19.5	ug/L	98			70 (82)	130 (109)	
	Ethyl Benzene	20	18.6	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	37.0	ug/L	93			70 (82)	130 (110)	
	o-Xylene	20	18.3	ug/L	92			70 (83)	130 (109)	
	Styrene	20	19.6	ug/L	98			70 (80)	130 (111)	
	Bromoform	20	20.0	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.1	ug/L	101			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	18.5	ug/L	93			70 (82)	130 (107)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088373.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1201WBS01	1,2-Dichlorobenzene	20	19.4	ug/L	97			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.2	ug/L	91			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.5	ug/L	93			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.3	ug/L	92			70 (76)	130 (114)	

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088374.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1201WBSD01	Dichlorodifluoromethane	20	18.9	ug/L	95	4		40 (69)	160 (116)	20 (19)
	Chloromethane	20	19.4	ug/L	97	0		40 (65)	160 (116)	20 (21)
	Vinyl chloride	20	18.7	ug/L	94	1		70 (65)	130 (117)	20 (19)
	Bromomethane	20	20.2	ug/L	101	2		40 (58)	160 (125)	20 (30)
	Chloroethane	20	19.3	ug/L	97	1		40 (56)	160 (128)	20 (20)
	Trichlorofluoromethane	20	18.7	ug/L	94	1		40 (73)	160 (115)	20 (16)
	1,1,2-Trichlorotrifluoroethane	20	18.5	ug/L	93	0		70 (80)	130 (112)	20 (20)
	Tert butyl alcohol	100	88.0	ug/L	88	0		70 (48)	130 (142)	20 (30)
	1,1-Dichloroethene	20	18.8	ug/L	94	1		70 (74)	130 (110)	20 (20)
	Acetone	100	87.0	ug/L	87	1		40 (60)	160 (125)	20 (27)
	Carbon disulfide	20	18.8	ug/L	94	3		40 (64)	160 (112)	20 (17)
	Methyl tert-butyl Ether	20	19.4	ug/L	97	3		70 (78)	130 (114)	20 (20)
	Methyl Acetate	20	19.0	ug/L	95	1		70 (57)	130 (150)	20 (20)
	Methylene Chloride	20	20.2	ug/L	101	1		70 (72)	130 (114)	20 (20)
	trans-1,2-Dichloroethene	20	19.6	ug/L	98	0		70 (75)	130 (108)	20 (16)
	1,1-Dichloroethane	20	19.1	ug/L	96	3		70 (78)	130 (112)	20 (20)
	Cyclohexane	20	18.5	ug/L	93	3		70 (75)	130 (110)	20 (20)
	2-Butanone	100	96.2	ug/L	96	0		40 (65)	160 (122)	20 (26)
	Carbon Tetrachloride	20	18.8	ug/L	94	2		70 (77)	130 (113)	20 (15)
	cis-1,2-Dichloroethene	20	19.4	ug/L	97	4		70 (77)	130 (110)	20 (20)
	Bromochloromethane	20	18.5	ug/L	93	4		70 (70)	130 (124)	20 (20)
	Chloroform	20	19.6	ug/L	98	4		70 (79)	130 (113)	20 (20)
	1,1,1-Trichloroethane	20	19.0	ug/L	95	1		70 (80)	130 (108)	20 (20)
	Methylcyclohexane	20	18.5	ug/L	93	8		70 (72)	130 (115)	20 (20)
	Benzene	20	19.1	ug/L	96	1		70 (82)	130 (109)	20 (15)
	1,2-Dichloroethane	20	19.4	ug/L	97	1		70 (80)	130 (115)	20 (20)
	Trichloroethene	20	19.1	ug/L	96	2		70 (77)	130 (113)	20 (15)
	1,2-Dichloropropane	20	19.2	ug/L	96	3		70 (83)	130 (111)	20 (21)
	Bromodichloromethane	20	19.3	ug/L	97	1		70 (83)	130 (110)	20 (21)
	4-Methyl-2-Pentanone	100	98.5	ug/L	99	1		40 (74)	160 (118)	20 (25)
	Toluene	20	19.8	ug/L	99	1		70 (82)	130 (110)	20 (16)
	t-1,3-Dichloropropene	20	19.1	ug/L	96	4		70 (79)	130 (110)	20 (20)
	cis-1,3-Dichloropropene	20	19.5	ug/L	98	3		70 (82)	130 (110)	20 (16)
	1,1,2-Trichloroethane	20	20.0	ug/L	100	1		70 (83)	130 (112)	20 (20)
	2-Hexanone	100	94.4	ug/L	94	0		40 (73)	160 (117)	20 (25)
	Dibromochloromethane	20	20.3	ug/L	102	1		70 (82)	130 (110)	20 (20)
	1,2-Dibromoethane	20	19.9	ug/L	100	3		70 (81)	130 (110)	20 (20)
	Tetrachloroethene	20	19.0	ug/L	95	5		70 (67)	130 (123)	20 (15)
	Chlorobenzene	20	19.8	ug/L	99	1		70 (82)	130 (109)	20 (15)
	Ethyl Benzene	20	18.9	ug/L	95	2		70 (83)	130 (109)	20 (16)
	m/p-Xylenes	40	37.8	ug/L	95	2		70 (82)	130 (110)	20 (20)
	o-Xylene	20	19.2	ug/L	96	4		70 (83)	130 (109)	20 (20)
	Styrene	20	19.4	ug/L	97	1		70 (80)	130 (111)	20 (17)
	Bromoform	20	20.1	ug/L	101	1		70 (79)	130 (109)	20 (20)
	Isopropylbenzene	20	19.3	ug/L	97	4		70 (83)	130 (112)	20 (22)
	1,1,2,2-Tetrachloroethane	20	19.5	ug/L	98	3		70 (76)	130 (118)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	3		70 (82)	130 (108)	20 (20)
	1,4-Dichlorobenzene	20	19.0	ug/L	95	2		70 (82)	130 (107)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088374.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1201WBSD01	1,2-Dichlorobenzene	20	19.0	ug/L	95	2		70 (82)	130 (109)	20 (20)
	1,2-Dibromo-3-Chloropropane	20	18.5	ug/L	93	2		40 (68)	160 (112)	20 (26)
	1,2,4-Trichlorobenzene	20	18.0	ug/L	90	3		70 (75)	130 (113)	20 (21)
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96	4		70 (76)	130 (114)	20 (22)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX048675.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBS01	Dichlorodifluoromethane	20	17.9	ug/L	90			40 (69)	160 (116)	
	Chloromethane	20	14.8	ug/L	74			40 (65)	160 (116)	
	Vinyl chloride	20	19.5	ug/L	98			70 (65)	130 (117)	
	Bromomethane	20	21.9	ug/L	110			40 (58)	160 (125)	
	Chloroethane	20	18.9	ug/L	95			40 (56)	160 (128)	
	Trichlorofluoromethane	20	20.0	ug/L	100			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	20.4	ug/L	102			70 (80)	130 (112)	
	Tert butyl alcohol	100	91.1	ug/L	91			70 (48)	130 (142)	
	1,1-Dichloroethene	20	18.6	ug/L	93			70 (74)	130 (110)	
	Acetone	100	92.6	ug/L	93			40 (60)	160 (125)	
	Carbon disulfide	20	16.1	ug/L	81			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	18.0	ug/L	90			70 (78)	130 (114)	
	Methyl Acetate	20	22.5	ug/L	113			70 (57)	130 (150)	
	Methylene Chloride	20	19.7	ug/L	99			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	16.9	ug/L	85			70 (75)	130 (108)	
	1,1-Dichloroethane	20	17.2	ug/L	86			70 (78)	130 (112)	
	Cyclohexane	20	18.8	ug/L	94			70 (75)	130 (110)	
	2-Butanone	100	82.8	ug/L	83			40 (65)	160 (122)	
	Carbon Tetrachloride	20	20.3	ug/L	102			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	17.8	ug/L	89			70 (77)	130 (110)	
	Bromochloromethane	20	21.1	ug/L	106			70 (70)	130 (124)	
	Chloroform	20	21.7	ug/L	109			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	21.0	ug/L	105			70 (80)	130 (108)	
	Methylcyclohexane	20	18.3	ug/L	92			70 (72)	130 (115)	
	Benzene	20	19.1	ug/L	96			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.6	ug/L	103			70 (80)	130 (115)	
	Trichloroethene	20	20.3	ug/L	102			70 (77)	130 (113)	
	1,2-Dichloropropane	20	21.6	ug/L	108			70 (83)	130 (111)	
	Bromodichloromethane	20	23.3	ug/L	117			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	120	ug/L	120			40 (74)	160 (118)	
	Toluene	20	22.2	ug/L	111			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	22.7	ug/L	114			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	22.7	ug/L	114			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	23.9	ug/L	119			70 (83)	130 (112)	
	2-Hexanone	100	120	ug/L	120			40 (73)	160 (117)	
	Dibromochloromethane	20	23.9	ug/L	119			70 (82)	130 (110)	
	1,2-Dibromoethane	20	22.7	ug/L	114			70 (81)	130 (110)	
	Tetrachloroethene	20	18.9	ug/L	95			70 (67)	130 (123)	
	Chlorobenzene	20	19.0	ug/L	95			70 (82)	130 (109)	
	Ethyl Benzene	20	19.3	ug/L	97			70 (83)	130 (109)	
	m/p-Xylenes	40	38.8	ug/L	97			70 (82)	130 (110)	
	o-Xylene	20	19.2	ug/L	96			70 (83)	130 (109)	
	Styrene	20	20.3	ug/L	102			70 (80)	130 (111)	
	Bromoform	20	19.9	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	19.9	ug/L	100			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	20.3	ug/L	102			70 (76)	130 (118)	
	1,3-Dichlorobenzene	20	19.7	ug/L	99			70 (82)	130 (108)	
	1,4-Dichlorobenzene	20	19.5	ug/L	98			70 (82)	130 (107)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3715</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VX048675.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VX1125WBS01	1,2-Dichlorobenzene	20	19.8	ug/L	99			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	20.3	ug/L	102			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	19.0	ug/L	95			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	19.1	ug/L	96			70 (76)	130 (114)	

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1201WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VN088372.D

Lab Sample ID: VN1201WBL01

Date Analyzed: 12/01/2025

Time Analyzed: 10:53

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_N

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VN1201WBS01	VN1201WBS01	VN088373.D	12/01/2025
VN1201WBSD01	VN1201WBSD01	VN088374.D	12/01/2025
MW6	Q3715-02	VN088375.D	12/01/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VX1125WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VX048674.D

Lab Sample ID: VX1125WBL01

Date Analyzed: 11/25/2025

Time Analyzed: 10:38

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

Heated Purge: (Y/N) N

Instrument ID: MSVOA_X

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

EPA SAMPLE NO.	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED
VX1125WBS01	VX1125WBS01	VX048675.D	11/25/2025
MW2	Q3715-01	VX048678.D	11/25/2025
MW7	Q3715-03	VX048679.D	11/25/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VN088343.D

BFB Injection Date: 11/24/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:17

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	23.6
75	30.0 - 60.0% of mass 95	56.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.9
173	Less than 2.0% of mass 174	1 (1.4) 1
174	50.0 - 100.0% of mass 95	70.8
175	5.0 - 9.0% of mass 174	6 (8.4) 1
176	95.0 - 101.0% of mass 174	68.3 (96.4) 1
177	5.0 - 9.0% of mass 176	4.3 (6.4) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VN088344.D	11/24/2025	12:38
VSTDIC005	VSTDIC005	VN088345.D	11/24/2025	13:11
VSTDIC020	VSTDIC020	VN088346.D	11/24/2025	13:32
VSTDIC050	VSTDIC050	VN088347.D	11/24/2025	13:53
VSTDIC100	VSTDIC100	VN088348.D	11/24/2025	14:14
VSTDIC150	VSTDIC150	VN088349.D	11/24/2025	14:35

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VN088369.D

BFB Injection Date: 12/01/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:49

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

Heated Purge: Y/N N

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
50	15.0 - 40.0% of mass 95	22.9
75	30.0 - 60.0% of mass 95	59.1
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.7
173	Less than 2.0% of mass 174	0.9 (1.2) 1
174	50.0 - 100.0% of mass 95	71
175	5.0 - 9.0% of mass 174	5.7 (8) 1
176	95.0 - 101.0% of mass 174	68.9 (97.1) 1
177	5.0 - 9.0% of mass 176	5.2 (7.5) 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	VN088370.D	12/01/2025	09:58
VN1201WBL01	VN1201WBL01	VN088372.D	12/01/2025	10:53
VN1201WBS01	VN1201WBS01	VN088373.D	12/01/2025	11:27
VN1201WBSD01	VN1201WBSD01	VN088374.D	12/01/2025	12:10
MW6	Q3715-02	VN088375.D	12/01/2025	12:30

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VX048515.D

BFB Injection Date: 11/07/2025

Instrument ID: MSVOA_X

BFB Injection Time: 13:06

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	21.2
75	30.0 - 60.0% of mass 95	56
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	6.8
173	Less than 2.0% of mass 174	1 (1.2) 1
174	50.0 - 100.0% of mass 95	77.2
175	5.0 - 9.0% of mass 174	5.7 (7.3) 1
176	95.0 - 101.0% of mass 174	75.5 (97.9) 1
177	5.0 - 9.0% of mass 176	4.7 (6.2) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDIC001	VSTDIC001	VX048516.D	11/07/2025	13:35
VSTDIC005	VSTDIC005	VX048517.D	11/07/2025	13:56
VSTDIC020	VSTDIC020	VX048518.D	11/07/2025	14:16
VSTDIC100	VSTDIC100	VX048520.D	11/07/2025	14:58
VSTDIC150	VSTDIC150	VX048521.D	11/07/2025	15:18
VSTDIC050	VSTDIC050	VX048524.D	11/07/2025	16:29

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3715

Lab File ID: VX048671.D

BFB Injection Date: 11/25/2025

Instrument ID: MSVOA_X

BFB Injection Time: 08:48

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	15.9
75	30.0 - 60.0% of mass 95	48.3
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	5.9
173	Less than 2.0% of mass 174	0.3 (0.4) 1
174	50.0 - 100.0% of mass 95	79.2
175	5.0 - 9.0% of mass 174	6.1 (7.7) 1
176	95.0 - 101.0% of mass 174	76.6 (96.8) 1
177	5.0 - 9.0% of mass 176	5.3 (6.9) 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	VX048672.D	11/25/2025	09:48
VX1125WBL01	VX1125WBL01	VX048674.D	11/25/2025	10:38
VX1125WBS01	VX1125WBS01	VX048675.D	11/25/2025	11:05
MW2	Q3715-01	VX048678.D	11/25/2025	12:39
MW7	Q3715-03	VX048679.D	11/25/2025	13:00

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3715
Lab File ID: VN088370.D Date Analyzed: 12/01/2025
Instrument ID: MSVOA_N Time Analyzed: 09:58
GC Column: RXI-624 ID: 0.25 (mm) Heated Purge: (Y/N) N

	IS1 AREA #	RT #	IS2 AREA #	RT #	IS3 AREA #	RT #
12 HOUR STD	262500	8.20	457607	9.08	408098	11.84
UPPER LIMIT	525000	8.7	915214	9.582	816196	12.341
LOWER LIMIT	131250	7.7	228804	8.582	204049	11.341
EPA SAMPLE NO.						
MW6	190391	8.21	425302	9.08	411286	11.84
VN1201WBL01	188076	8.20	435319	9.08	418422	11.84
VN1201WBS01	256678	8.21	487472	9.08	435019	11.84
VN1201WBSD01	257123	8.21	472668	9.08	413438	11.84

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG NO.:	<u>Q3715</u>
Lab File ID:	<u>VN088370.D</u>	Date Analyzed:	<u>12/01/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>09:58</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)
		Heated Purge:	(Y/N) <u>N</u>

	IS4 AREA #	RT #				
12 HOUR STD	197460	13.765				
UPPER LIMIT	394920	14.265				
LOWER LIMIT	98730	13.265				
EPA SAMPLE NO.						
MW6	194905	13.77				
VN1201WBL01	198799	13.77				
VN1201WBS01	207303	13.77				
VN1201WBSD01	196888	13.77				

IS4 = 1,4-Dichlorobenzene-d4

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3715
Lab File ID: VX048672.D Date Analyzed: 11/25/2025
Instrument ID: MSVOA_X Time Analyzed: 09:48
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	150094	5.53	259657	6.74	217303	10.04
UPPER LIMIT	300188	6.025	519314	7.239	434606	10.537
LOWER LIMIT	75047	5.025	129829	6.239	108652	9.537
EPA SAMPLE NO.						
MW2	172027	5.54	315243	6.75	370755	10.04
MW7	166997	5.54	305521	6.75	379381	10.04
VX1125WBL01	175748	5.54	347104	6.75	371931	10.04
VX1125WBS01	152887	5.53	255033	6.75	234446	10.04

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

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

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

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3715
 Lab File ID: VX048672.D Date Analyzed: 11/25/2025
 Instrument ID: MSVOA_X Time Analyzed: 09:48
 GC Column: DB-624UI ID: 0.18 (mm) Heated Purge: (Y/N) N

	IS4 AREA #	RT #				
12 HOUR STD	114893	12				
UPPER LIMIT	229786	12.5				
LOWER LIMIT	57446.5	11.5				
EPA SAMPLE NO.						
MW2	198932	12.01				
MW7	188892	12.01				
VX1125WBL01	201273	12.01				
VX1125WBS01	118863	12.01				

IS4 = 1,4-Dichlorobenzene-d4

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

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



QC SAMPLE DATA

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: VN1201WBL01
 Lab Sample ID: VN1201WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

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	12/01/25 10:53	VN120125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/01/25 10:53	VN120125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/01/25 10:53	VN120125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/01/25 10:53	VN120125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/01/25 10:53	VN120125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/01/25 10:53	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	12/01/25 10:53	VN120125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/01/25 10:53	VN120125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	12/01/25 10:53	VN120125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/01/25 10:53	VN120125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/01/25 10:53	VN120125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/01/25 10:53	VN120125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/01/25 10:53	VN120125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/01/25 10:53	VN120125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/01/25 10:53	VN120125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 10:53	VN120125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/01/25 10:53	VN120125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	12/01/25 10:53	VN120125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/01/25 10:53	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/01/25 10:53	VN120125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/01/25 10:53	VN120125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/01/25 10:53	VN120125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 10:53	VN120125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	12/01/25 10:53	VN120125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	12/01/25 10:53	VN120125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/01/25 10:53	VN120125

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: VN1201WBL01
 Lab Sample ID: VN1201WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 10:53	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/01/25 10:53	VN120125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/01/25 10:53	VN120125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 10:53	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/01/25 10:53	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 10:53	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	57.8			70 (74) - 130 (125)	116%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.2			70 (75) - 130 (124)	104%	SPK: 50		
2037-26-5	Toluene-d8	50.0			70 (86) - 130 (113)	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	52.4			70 (77) - 130 (121)	105%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	188000							
540-36-3	1,4-Difluorobenzene	435000							
3114-55-4	Chlorobenzene-d5	418000							
3855-82-1	1,4-Dichlorobenzene-d4	199000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: VX1125WBL01
Lab Sample ID: VX1125WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

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	11/25/25 10:38	VX112525
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	11/25/25 10:38	VX112525
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	11/25/25 10:38	VX112525
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	11/25/25 10:38	VX112525
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	11/25/25 10:38	VX112525
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	11/25/25 10:38	VX112525
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	11/25/25 10:38	VX112525
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	11/25/25 10:38	VX112525
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 10:38	VX112525
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	11/25/25 10:38	VX112525
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	11/25/25 10:38	VX112525
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	11/25/25 10:38	VX112525
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	11/25/25 10:38	VX112525
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	11/25/25 10:38	VX112525
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 10:38	VX112525
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	11/25/25 10:38	VX112525
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	11/25/25 10:38	VX112525
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	11/25/25 10:38	VX112525
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	11/25/25 10:38	VX112525
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	11/25/25 10:38	VX112525
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 10:38	VX112525
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	11/25/25 10:38	VX112525
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	11/25/25 10:38	VX112525
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	11/25/25 10:38	VX112525
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	11/25/25 10:38	VX112525
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 10:38	VX112525
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	11/25/25 10:38	VX112525
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	11/25/25 10:38	VX112525
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	11/25/25 10:38	VX112525
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	11/25/25 10:38	VX112525
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	11/25/25 10:38	VX112525
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	11/25/25 10:38	VX112525
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	11/25/25 10:38	VX112525
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	11/25/25 10:38	VX112525
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	11/25/25 10:38	VX112525
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	11/25/25 10:38	VX112525
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	11/25/25 10:38	VX112525
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	11/25/25 10:38	VX112525
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	11/25/25 10:38	VX112525
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	11/25/25 10:38	VX112525
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	11/25/25 10:38	VX112525
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	11/25/25 10:38	VX112525
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	11/25/25 10:38	VX112525

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: VX1125WBL01
 Lab Sample ID: VX1125WBL01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	0.19	U	1	0.19	1.00	ug/L	11/25/25 10:38	VX112525
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	11/25/25 10:38	VX112525
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	11/25/25 10:38	VX112525
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 10:38	VX112525
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	11/25/25 10:38	VX112525
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	11/25/25 10:38	VX112525
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	11/25/25 10:38	VX112525
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 10:38	VX112525
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	11/25/25 10:38	VX112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.6			70 (74) - 130 (125)	113%	SPK: 50		
1868-53-7	Dibromofluoromethane	46.3			70 (75) - 130 (124)	93%	SPK: 50		
2037-26-5	Toluene-d8	48.8			70 (86) - 130 (113)	98%	SPK: 50		
460-00-4	4-Bromofluorobenzene	57.4			70 (77) - 130 (121)	115%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	176000							
540-36-3	1,4-Difluorobenzene	347000							
3114-55-4	Chlorobenzene-d5	372000							
3855-82-1	1,4-Dichlorobenzene-d4	201000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: VN1201WBS01
Lab Sample ID: VN1201WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.2		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
74-87-3	Chloromethane	19.4		1	0.32	1.00	ug/L	12/01/25 11:27	VN120125
75-01-4	Vinyl Chloride	18.9		1	0.26	1.00	ug/L	12/01/25 11:27	VN120125
74-83-9	Bromomethane	19.7		1	1.40	5.00	ug/L	12/01/25 11:27	VN120125
75-00-3	Chloroethane	19.5		1	0.47	1.00	ug/L	12/01/25 11:27	VN120125
75-69-4	Trichlorofluoromethane	18.6		1	0.33	1.00	ug/L	12/01/25 11:27	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	18.6		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
75-65-0	Tert butyl alcohol	87.5		1	5.50	25.0	ug/L	12/01/25 11:27	VN120125
75-35-4	1,1-Dichloroethene	19.0		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
67-64-1	Acetone	87.9		1	1.50	5.00	ug/L	12/01/25 11:27	VN120125
75-15-0	Carbon Disulfide	19.4		1	0.21	1.00	ug/L	12/01/25 11:27	VN120125
1634-04-4	Methyl tert-butyl Ether	19.9		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
79-20-9	Methyl Acetate	19.1		1	0.27	1.00	ug/L	12/01/25 11:27	VN120125
75-09-2	Methylene Chloride	20.0		1	0.28	1.00	ug/L	12/01/25 11:27	VN120125
156-60-5	trans-1,2-Dichloroethene	19.6		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
75-34-3	1,1-Dichloroethane	19.8		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
110-82-7	Cyclohexane	17.9		1	1.50	5.00	ug/L	12/01/25 11:27	VN120125
78-93-3	2-Butanone	96.0		1	0.98	5.00	ug/L	12/01/25 11:27	VN120125
56-23-5	Carbon Tetrachloride	18.3		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
156-59-2	cis-1,2-Dichloroethene	20.1		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125
74-97-5	Bromochloromethane	19.3		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
67-66-3	Chloroform	20.3		1	0.25	1.00	ug/L	12/01/25 11:27	VN120125
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
108-87-2	Methylcyclohexane	17.1		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
71-43-2	Benzene	19.4		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125
107-06-2	1,2-Dichloroethane	19.6		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
79-01-6	Trichloroethene	18.8		1	0.090	1.00	ug/L	12/01/25 11:27	VN120125
78-87-5	1,2-Dichloropropane	19.8		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
75-27-4	Bromodichloromethane	19.5		1	0.22	1.00	ug/L	12/01/25 11:27	VN120125
108-10-1	4-Methyl-2-Pentanone	98.3		1	0.68	5.00	ug/L	12/01/25 11:27	VN120125
108-88-3	Toluene	19.5		1	0.14	1.00	ug/L	12/01/25 11:27	VN120125
10061-02-6	t-1,3-Dichloropropene	19.9		1	0.17	1.00	ug/L	12/01/25 11:27	VN120125
10061-01-5	cis-1,3-Dichloropropene	20.1		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
79-00-5	1,1,2-Trichloroethane	20.2		1	0.21	1.00	ug/L	12/01/25 11:27	VN120125
591-78-6	2-Hexanone	93.5		1	0.89	5.00	ug/L	12/01/25 11:27	VN120125
124-48-1	Dibromochloromethane	20.1		1	0.18	1.00	ug/L	12/01/25 11:27	VN120125
106-93-4	1,2-Dibromoethane	20.6		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125
127-18-4	Tetrachloroethene	17.9		1	0.23	1.00	ug/L	12/01/25 11:27	VN120125
108-90-7	Chlorobenzene	19.5		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
100-41-4	Ethyl Benzene	18.6		1	0.13	1.00	ug/L	12/01/25 11:27	VN120125
179601-23-1	m/p-Xylenes	37.0		1	0.24	2.00	ug/L	12/01/25 11:27	VN120125
95-47-6	o-Xylene	18.3		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
100-42-5	Styrene	19.6		1	0.15	1.00	ug/L	12/01/25 11:27	VN120125



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Fax : 908 789 8922

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: VN1201WBS01
Lab Sample ID: VN1201WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	20.0		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125
98-82-8	Isopropylbenzene	18.6		1	0.12	1.00	ug/L	12/01/25 11:27	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	20.1		1	0.26	1.00	ug/L	12/01/25 11:27	VN120125
541-73-1	1,3-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
106-46-7	1,4-Dichlorobenzene	18.5		1	0.19	1.00	ug/L	12/01/25 11:27	VN120125
95-50-1	1,2-Dichlorobenzene	19.4		1	0.16	1.00	ug/L	12/01/25 11:27	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	18.2		1	0.53	1.00	ug/L	12/01/25 11:27	VN120125
120-82-1	1,2,4-Trichlorobenzene	18.5		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
87-61-6	1,2,3-Trichlorobenzene	18.3		1	0.20	1.00	ug/L	12/01/25 11:27	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	56.0			70 (74) - 130 (125)	112%	SPK: 50		
1868-53-7	Dibromofluoromethane	55.1			70 (75) - 130 (124)	110%	SPK: 50		
2037-26-5	Toluene-d8	54.9			70 (86) - 130 (113)	110%	SPK: 50		
460-00-4	4-Bromofluorobenzene	53.3			70 (77) - 130 (121)	107%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	257000							
540-36-3	1,4-Difluorobenzene	487000							
3114-55-4	Chlorobenzene-d5	435000							
3855-82-1	1,4-Dichlorobenzene-d4	207000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: VX1125WBS01
Lab Sample ID: VX1125WBS01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	17.9		1	0.22	1.00	ug/L	11/25/25 11:05	VX112525
74-87-3	Chloromethane	14.8		1	0.32	1.00	ug/L	11/25/25 11:05	VX112525
75-01-4	Vinyl Chloride	19.5		1	0.26	1.00	ug/L	11/25/25 11:05	VX112525
74-83-9	Bromomethane	21.9		1	1.40	5.00	ug/L	11/25/25 11:05	VX112525
75-00-3	Chloroethane	18.9		1	0.47	1.00	ug/L	11/25/25 11:05	VX112525
75-69-4	Trichlorofluoromethane	20.0		1	0.33	1.00	ug/L	11/25/25 11:05	VX112525
76-13-1	1,1,2-Trichlorotrifluoroethane	20.4		1	0.25	1.00	ug/L	11/25/25 11:05	VX112525
75-65-0	Tert butyl alcohol	91.1		1	5.50	25.0	ug/L	11/25/25 11:05	VX112525
75-35-4	1,1-Dichloroethene	18.6		1	0.23	1.00	ug/L	11/25/25 11:05	VX112525
67-64-1	Acetone	92.6		1	1.50	5.00	ug/L	11/25/25 11:05	VX112525
75-15-0	Carbon Disulfide	16.1		1	0.21	1.00	ug/L	11/25/25 11:05	VX112525
1634-04-4	Methyl tert-butyl Ether	18.0		1	0.16	1.00	ug/L	11/25/25 11:05	VX112525
79-20-9	Methyl Acetate	22.5		1	0.27	1.00	ug/L	11/25/25 11:05	VX112525
75-09-2	Methylene Chloride	19.7		1	0.28	1.00	ug/L	11/25/25 11:05	VX112525
156-60-5	trans-1,2-Dichloroethene	16.9		1	0.23	1.00	ug/L	11/25/25 11:05	VX112525
75-34-3	1,1-Dichloroethane	17.2		1	0.23	1.00	ug/L	11/25/25 11:05	VX112525
110-82-7	Cyclohexane	18.8		1	1.50	5.00	ug/L	11/25/25 11:05	VX112525
78-93-3	2-Butanone	82.8		1	0.98	5.00	ug/L	11/25/25 11:05	VX112525
56-23-5	Carbon Tetrachloride	20.3		1	0.25	1.00	ug/L	11/25/25 11:05	VX112525
156-59-2	cis-1,2-Dichloroethene	17.8		1	0.19	1.00	ug/L	11/25/25 11:05	VX112525
74-97-5	Bromochloromethane	21.1		1	0.22	1.00	ug/L	11/25/25 11:05	VX112525
67-66-3	Chloroform	21.7		1	0.25	1.00	ug/L	11/25/25 11:05	VX112525
71-55-6	1,1,1-Trichloroethane	21.0		1	0.20	1.00	ug/L	11/25/25 11:05	VX112525
108-87-2	Methylcyclohexane	18.3		1	0.16	1.00	ug/L	11/25/25 11:05	VX112525
71-43-2	Benzene	19.1		1	0.15	1.00	ug/L	11/25/25 11:05	VX112525
107-06-2	1,2-Dichloroethane	20.6		1	0.22	1.00	ug/L	11/25/25 11:05	VX112525
79-01-6	Trichloroethene	20.3		1	0.090	1.00	ug/L	11/25/25 11:05	VX112525
78-87-5	1,2-Dichloropropane	21.6		1	0.20	1.00	ug/L	11/25/25 11:05	VX112525
75-27-4	Bromodichloromethane	23.3		1	0.22	1.00	ug/L	11/25/25 11:05	VX112525
108-10-1	4-Methyl-2-Pentanone	120		1	0.68	5.00	ug/L	11/25/25 11:05	VX112525
108-88-3	Toluene	22.2		1	0.14	1.00	ug/L	11/25/25 11:05	VX112525
10061-02-6	t-1,3-Dichloropropene	22.7		1	0.17	1.00	ug/L	11/25/25 11:05	VX112525
10061-01-5	cis-1,3-Dichloropropene	22.7		1	0.16	1.00	ug/L	11/25/25 11:05	VX112525
79-00-5	1,1,2-Trichloroethane	23.9		1	0.21	1.00	ug/L	11/25/25 11:05	VX112525
591-78-6	2-Hexanone	120		1	0.89	5.00	ug/L	11/25/25 11:05	VX112525
124-48-1	Dibromochloromethane	23.9		1	0.18	1.00	ug/L	11/25/25 11:05	VX112525
106-93-4	1,2-Dibromoethane	22.7		1	0.15	1.00	ug/L	11/25/25 11:05	VX112525
127-18-4	Tetrachloroethene	18.9		1	0.23	1.00	ug/L	11/25/25 11:05	VX112525
108-90-7	Chlorobenzene	19.0		1	0.12	1.00	ug/L	11/25/25 11:05	VX112525
100-41-4	Ethyl Benzene	19.3		1	0.13	1.00	ug/L	11/25/25 11:05	VX112525
179601-23-1	m/p-Xylenes	38.8		1	0.24	2.00	ug/L	11/25/25 11:05	VX112525
95-47-6	o-Xylene	19.2		1	0.12	1.00	ug/L	11/25/25 11:05	VX112525
100-42-5	Styrene	20.3		1	0.15	1.00	ug/L	11/25/25 11:05	VX112525

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: VX1125WBS01
 Lab Sample ID: VX1125WBS01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	19.9		1	0.19	1.00	ug/L	11/25/25 11:05	VX112525
98-82-8	Isopropylbenzene	19.9		1	0.12	1.00	ug/L	11/25/25 11:05	VX112525
79-34-5	1,1,2,2-Tetrachloroethane	20.3		1	0.26	1.00	ug/L	11/25/25 11:05	VX112525
541-73-1	1,3-Dichlorobenzene	19.7		1	0.16	1.00	ug/L	11/25/25 11:05	VX112525
106-46-7	1,4-Dichlorobenzene	19.5		1	0.19	1.00	ug/L	11/25/25 11:05	VX112525
95-50-1	1,2-Dichlorobenzene	19.8		1	0.16	1.00	ug/L	11/25/25 11:05	VX112525
96-12-8	1,2-Dibromo-3-Chloropropane	20.3		1	0.53	1.00	ug/L	11/25/25 11:05	VX112525
120-82-1	1,2,4-Trichlorobenzene	19.0		1	0.20	1.00	ug/L	11/25/25 11:05	VX112525
87-61-6	1,2,3-Trichlorobenzene	19.1		1	0.20	1.00	ug/L	11/25/25 11:05	VX112525
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	51.2			70 (74) - 130 (125)	102%	SPK: 50		
1868-53-7	Dibromofluoromethane	45.9			70 (75) - 130 (124)	92%	SPK: 50		
2037-26-5	Toluene-d8	50.1			70 (86) - 130 (113)	100%	SPK: 50		
460-00-4	4-Bromofluorobenzene	49.1			70 (77) - 130 (121)	98%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	153000							
540-36-3	1,4-Difluorobenzene	255000							
3114-55-4	Chlorobenzene-d5	234000							
3855-82-1	1,4-Dichlorobenzene-d4	119000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Union
Client Sample ID: VN1201WBSD01
Lab Sample ID: VN1201WBSD01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3715
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
TARGETS									
75-71-8	Dichlorodifluoromethane	18.9		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
74-87-3	Chloromethane	19.4		1	0.32	1.00	ug/L	12/01/25 12:10	VN120125
75-01-4	Vinyl Chloride	18.7		1	0.26	1.00	ug/L	12/01/25 12:10	VN120125
74-83-9	Bromomethane	20.2		1	1.40	5.00	ug/L	12/01/25 12:10	VN120125
75-00-3	Chloroethane	19.3		1	0.47	1.00	ug/L	12/01/25 12:10	VN120125
75-69-4	Trichlorofluoromethane	18.7		1	0.33	1.00	ug/L	12/01/25 12:10	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	18.5		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
75-65-0	Tert butyl alcohol	88.0		1	5.50	25.0	ug/L	12/01/25 12:10	VN120125
75-35-4	1,1-Dichloroethene	18.8		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
67-64-1	Acetone	87.0		1	1.50	5.00	ug/L	12/01/25 12:10	VN120125
75-15-0	Carbon Disulfide	18.8		1	0.21	1.00	ug/L	12/01/25 12:10	VN120125
1634-04-4	Methyl tert-butyl Ether	19.4		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
79-20-9	Methyl Acetate	19.0		1	0.27	1.00	ug/L	12/01/25 12:10	VN120125
75-09-2	Methylene Chloride	20.2		1	0.28	1.00	ug/L	12/01/25 12:10	VN120125
156-60-5	trans-1,2-Dichloroethene	19.6		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
75-34-3	1,1-Dichloroethane	19.1		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
110-82-7	Cyclohexane	18.5		1	1.50	5.00	ug/L	12/01/25 12:10	VN120125
78-93-3	2-Butanone	96.2		1	0.98	5.00	ug/L	12/01/25 12:10	VN120125
56-23-5	Carbon Tetrachloride	18.8		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
156-59-2	cis-1,2-Dichloroethene	19.4		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125
74-97-5	Bromochloromethane	18.5		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
67-66-3	Chloroform	19.6		1	0.25	1.00	ug/L	12/01/25 12:10	VN120125
71-55-6	1,1,1-Trichloroethane	19.0		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
108-87-2	Methylcyclohexane	18.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
71-43-2	Benzene	19.1		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125
107-06-2	1,2-Dichloroethane	19.4		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
79-01-6	Trichloroethene	19.1		1	0.090	1.00	ug/L	12/01/25 12:10	VN120125
78-87-5	1,2-Dichloropropane	19.2		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
75-27-4	Bromodichloromethane	19.3		1	0.22	1.00	ug/L	12/01/25 12:10	VN120125
108-10-1	4-Methyl-2-Pentanone	98.5		1	0.68	5.00	ug/L	12/01/25 12:10	VN120125
108-88-3	Toluene	19.8		1	0.14	1.00	ug/L	12/01/25 12:10	VN120125
10061-02-6	t-1,3-Dichloropropene	19.1		1	0.17	1.00	ug/L	12/01/25 12:10	VN120125
10061-01-5	cis-1,3-Dichloropropene	19.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
79-00-5	1,1,2-Trichloroethane	20.0		1	0.21	1.00	ug/L	12/01/25 12:10	VN120125
591-78-6	2-Hexanone	94.4		1	0.89	5.00	ug/L	12/01/25 12:10	VN120125
124-48-1	Dibromochloromethane	20.3		1	0.18	1.00	ug/L	12/01/25 12:10	VN120125
106-93-4	1,2-Dibromoethane	19.9		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125
127-18-4	Tetrachloroethene	19.0		1	0.23	1.00	ug/L	12/01/25 12:10	VN120125
108-90-7	Chlorobenzene	19.8		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
100-41-4	Ethyl Benzene	18.9		1	0.13	1.00	ug/L	12/01/25 12:10	VN120125
179601-23-1	m/p-Xylenes	37.8		1	0.24	2.00	ug/L	12/01/25 12:10	VN120125
95-47-6	o-Xylene	19.2		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
100-42-5	Styrene	19.4		1	0.15	1.00	ug/L	12/01/25 12:10	VN120125

Report of Analysis

Client: G Environmental
 Project: Union
 Client Sample ID: VN1201WBSD01
 Lab Sample ID: VN1201WBSD01
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3715
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	20.1		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125
98-82-8	Isopropylbenzene	19.3		1	0.12	1.00	ug/L	12/01/25 12:10	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	19.5		1	0.26	1.00	ug/L	12/01/25 12:10	VN120125
541-73-1	1,3-Dichlorobenzene	19.5		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
106-46-7	1,4-Dichlorobenzene	19.0		1	0.19	1.00	ug/L	12/01/25 12:10	VN120125
95-50-1	1,2-Dichlorobenzene	19.0		1	0.16	1.00	ug/L	12/01/25 12:10	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	18.5		1	0.53	1.00	ug/L	12/01/25 12:10	VN120125
120-82-1	1,2,4-Trichlorobenzene	18.0		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
87-61-6	1,2,3-Trichlorobenzene	19.1		1	0.20	1.00	ug/L	12/01/25 12:10	VN120125
SURROGATES									
17060-07-0	1,2-Dichloroethane-d4	52.2			70 (74) - 130 (125)	104%	SPK: 50		
1868-53-7	Dibromofluoromethane	52.3			70 (75) - 130 (124)	105%	SPK: 50		
2037-26-5	Toluene-d8	53.2			70 (86) - 130 (113)	106%	SPK: 50		
460-00-4	4-Bromofluorobenzene	51.1			70 (77) - 130 (121)	102%	SPK: 50		
INTERNAL STANDARDS									
		Area Count							
363-72-4	Pentafluorobenzene	257000							
540-36-3	1,4-Difluorobenzene	473000							
3114-55-4	Chlorobenzene-d5	413000							
3855-82-1	1,4-Dichlorobenzene-d4	197000							

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products



CALIBRATION SUMMARY

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3715</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:38</u> <u>14:35</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:								
RRF001 = VN088344.D			RRF005 = VN088345.D			RRF020 = VN088346.D		
RRF050 = VN088347.D			RRF100 = VN088348.D			RRF150 = VN088349.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Dichlorodifluoromethane	0.719	0.676	0.796	0.741	0.838	0.736	0.751	7.7
Chloromethane	0.911	0.800	0.805	0.801	0.759	0.764	0.807	6.8
Vinyl Chloride	0.804	0.844	0.856	0.812	0.837	0.772	0.821	3.8
Bromomethane		0.407	0.392	0.396	0.387	0.392	0.395	1.9
Chloroethane	0.555	0.503	0.496	0.505	0.502	0.485	0.508	4.8
Trichlorofluoromethane	1.234	1.170	1.168	1.092	1.201	1.055	1.153	5.8
1,1,2-Trichlorotrifluoroethane	0.660	0.635	0.639	0.564	0.633	0.553	0.614	7.2
Tert butyl alcohol		0.151	0.149	0.161	0.142	0.148	0.150	4.6
1,1-Dichloroethene	0.722	0.620	0.601	0.568	0.595	0.554	0.610	9.8
Acetone	0.412	0.355	0.322	0.335	0.305	0.314	0.341	11.5
Carbon Disulfide	2.061	2.043	2.043	1.983	1.996	1.833	1.993	4.2
Methyl tert-butyl Ether	2.126	2.239	2.245	2.504	2.265	2.333	2.285	5.5
Methyl Acetate	1.072	1.048	0.957	1.049	0.972	0.985	1.014	4.7
Methylene Chloride	0.797	0.752	0.704	0.756	0.686	0.678	0.729	6.4
trans-1,2-Dichloroethene	0.752	0.668	0.676	0.686	0.647	0.626	0.676	6.4
1,1-Dichloroethane	1.389	1.431	1.348	1.427	1.321	1.286	1.367	4.3
Cyclohexane		1.450	1.264	1.133	1.237	1.109	1.239	10.9
2-Butanone	0.509	0.538	0.548	0.596	0.540	0.556	0.548	5.2
Carbon Tetrachloride	0.565	0.504	0.548	0.499	0.570	0.509	0.532	6
cis-1,2-Dichloroethene	0.797	0.801	0.794	0.829	0.747	0.744	0.785	4.2
Bromochloromethane	0.724	0.722	0.684	0.735	0.624	0.597	0.681	8.5
Chloroform	1.377	1.362	1.351	1.392	1.291	1.285	1.343	3.3
1,1,1-Trichloroethane	1.247	1.219	1.192	1.158	1.166	1.104	1.181	4.3
Methylcyclohexane	0.534	0.542	0.606	0.527	0.662	0.561	0.572	9.1
Benzene	1.658	1.555	1.609	1.559	1.559	1.477	1.570	3.9
1,2-Dichloroethane	0.583	0.614	0.596	0.615	0.597	0.587	0.599	2.3
Trichloroethene	0.382	0.385	0.383	0.357	0.371	0.348	0.371	4.1
1,2-Dichloropropane	0.426	0.402	0.402	0.406	0.396	0.381	0.402	3.6
Bromodichloromethane	0.602	0.586	0.586	0.589	0.583	0.566	0.586	2
4-Methyl-2-Pentanone	0.540	0.616	0.661	0.673	0.658	0.651	0.633	7.8

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3715</u>
Instrument ID: <u>MSVOA_N</u>	Calibration Date(s): <u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>12:38</u> <u>14:35</u>
GC Column: <u>RXI-624</u> ID: <u>0.25</u> (mm)	

LAB FILE ID:								
RRF001 = VN088344.D			RRF005 = VN088345.D			RRF020 = VN088346.D		
RRF050 = VN088347.D			RRF100 = VN088348.D			RRF150 = VN088349.D		
COMPOUND	RRF001	RRF005	RRF020	RRF050	RRF100	RRF150	RRF	% RSD
Toluene	0.829	0.885	0.940	0.913	0.960	0.911	0.906	5.1
t-1,3-Dichloropropene	0.567	0.553	0.598	0.631	0.631	0.625	0.601	5.7
cis-1,3-Dichloropropene	0.590	0.618	0.628	0.662	0.654	0.640	0.632	4.2
1,1,2-Trichloroethane	0.350	0.359	0.364	0.353	0.341	0.336	0.351	3
2-Hexanone	0.359	0.301	0.406	0.436	0.442	0.450	0.399	14.7
Dibromochloromethane	0.384	0.386	0.406	0.409	0.410	0.404	0.400	2.9
1,2-Dibromoethane	0.304	0.367	0.364	0.369	0.367	0.359	0.355	7.2
Tetrachloroethene	0.426	0.388	0.413	0.377	0.407	0.367	0.396	5.7
Chlorobenzene	1.114	1.142	1.161	1.106	1.145	1.070	1.123	3
Ethyl Benzene	1.881	1.860	2.014	1.938	2.133	1.952	1.963	5.1
m/p-Xylenes	0.658	0.690	0.769	0.733	0.788	0.728	0.728	6.6
o-Xylene	0.670	0.619	0.722	0.696	0.749	0.708	0.694	6.5
Styrene	0.884	1.025	1.163	1.193	1.284	1.210	1.127	12.9
Bromoform	0.224	0.273	0.285	0.285	0.302	0.295	0.277	10.1
Isopropylbenzene	3.339	3.528	3.944	3.624	4.040	3.706	3.697	7.1
1,1,2,2-Tetrachloroethane	1.377	1.218	1.231	1.127	1.135	1.082	1.195	8.9
1,3-Dichlorobenzene	1.730	1.573	1.720	1.606	1.676	1.574	1.647	4.3
1,4-Dichlorobenzene	1.747	1.825	1.786	1.681	1.702	1.608	1.725	4.5
1,2-Dichlorobenzene	1.518	1.574	1.583	1.521	1.595	1.505	1.550	2.5
1,2-Dibromo-3-Chloropropane	0.284	0.284	0.284	0.288	0.300	0.300	0.290	2.8
1,2,4-Trichlorobenzene	0.998	0.864	0.901	0.889	0.955	0.917	0.921	5.3
1,2,3-Trichlorobenzene	0.942	0.850	0.888	0.875	0.930	0.891	0.896	3.8
1,2-Dichloroethane-d4		0.954	0.916	0.999	0.882	0.960	0.942	4.7
Dibromofluoromethane		0.361	0.350	0.350	0.334	0.337	0.346	3.2
Toluene-d8		1.249	1.292	1.285	1.308	1.313	1.289	2
4-Bromofluorobenzene		0.402	0.413	0.448	0.466	0.482	0.442	7.7

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3715</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>11/07/2025</u> <u>11/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>13:35</u> <u>16:29</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:								
RRF001 = VX048516.D			RRF005 = VX048517.D			RRF020 = VX048518.D		
RRF100 = VX048520.D			RRF150 = VX048521.D			RRF050 = VX048524.D		
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD
Dichlorodifluoromethane	0.365	0.364	0.352	0.452	0.474	0.424	0.405	12.8
Chloromethane	0.603	0.457	0.425	0.581	0.565	0.592	0.537	14.2
Vinyl Chloride	0.666	0.579	0.608	0.601	0.597	0.600	0.608	4.9
Bromomethane		0.468	0.417	0.323	0.287	0.426	0.384	19.8
Chloroethane	0.465	0.419	0.397	0.370	0.357	0.383	0.398	9.8
Trichlorofluoromethane	0.982	1.030	1.019	0.919	0.939	0.886	0.963	6
1,1,2-Trichlorotrifluoroethane	0.552	0.556	0.616	0.546	0.558	0.515	0.557	5.9
Tert butyl alcohol		0.129	0.133	0.132	0.127	0.138	0.132	3.2
1,1-Dichloroethene	0.669	0.584	0.591	0.555	0.548	0.545	0.582	8
Acetone	0.383	0.318	0.318	0.317	0.313	0.330	0.330	8.1
Carbon Disulfide	2.045	1.739	1.609	1.468	1.477	1.489	1.638	13.7
Methyl tert-butyl Ether	2.163	2.158	2.049	1.984	1.861	2.117	2.055	5.7
Methyl Acetate	1.195	0.876	0.857	0.818	0.823	0.869	0.906	15.8
Methylene Chloride	0.845	0.689	0.663	0.624	0.595	0.653	0.678	13
trans-1,2-Dichloroethene	0.700	0.650	0.612	0.585	0.557	0.598	0.617	8.3
1,1-Dichloroethane	1.255	1.247	1.124	1.083	1.041	1.102	1.142	7.8
Cyclohexane		1.001	1.004	0.896	0.910	0.867	0.936	6.7
2-Butanone	0.474	0.502	0.511	0.470	0.465	0.506	0.488	4.2
Carbon Tetrachloride	0.640	0.766	0.546	0.520	0.504	0.486	0.577	18.6
cis-1,2-Dichloroethene	0.888	0.787	0.737	0.703	0.684	0.725	0.754	9.9
Bromochloromethane	0.640	0.630	0.533	0.522	0.497	0.543	0.561	10.6
Chloroform	1.357	1.277	1.162	1.105	1.052	1.120	1.179	9.8
1,1,1-Trichloroethane	1.160	1.087	1.026	0.979	0.947	0.973	1.029	7.9
Methylcyclohexane	0.585	0.607	0.558	0.561	0.592	0.510	0.569	6
Benzene	1.745	2.038	1.468	1.396	1.369	1.408	1.571	17
1,2-Dichloroethane	0.540	0.721	0.525	0.489	0.473	0.481	0.538	17.3
Trichloroethene	0.423	0.390	0.356	0.366	0.363	0.355	0.375	7.1
1,2-Dichloropropane	0.417	0.381	0.319	0.352	0.340	0.358	0.361	9.5
Bromodichloromethane	0.517	0.598	0.446	0.539	0.510	0.543	0.526	9.5
4-Methyl-2-Pentanone	0.505	0.667	0.514	0.573	0.546	0.620	0.571	11

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

VOLATILE ORGANICS INITIAL CALIBRATION DATA

Lab Name: <u>Alliance</u>	Contract: <u>GENV01</u>
Lab Code: <u>ACE</u>	SDG No.: <u>Q3715</u>
Instrument ID: <u>MSVOA_X</u>	Calibration Date(s): <u>11/07/2025</u> <u>11/07/2025</u>
Heated Purge: (Y/N) <u>N</u>	Calibration Time(s): <u>13:35</u> <u>16:29</u>
GC Column: <u>DB-624UI</u> ID: <u>0.18</u> (mm)	

LAB FILE ID:								
RRF001 = VX048516.D			RRF005 = VX048517.D			RRF020 = VX048518.D		
RRF100 = VX048520.D			RRF150 = VX048521.D			RRF050 = VX048524.D		
COMPOUND	RRF001	RRF005	RRF020	RRF100	RRF150	RRF050	RRF	% RSD
Toluene	0.709	0.955	0.710	0.868	0.843	0.877	0.827	11.9
t-1,3-Dichloropropene	0.513	0.609	0.452	0.561	0.542	0.572	0.541	10
cis-1,3-Dichloropropene	0.472	0.633	0.481	0.595	0.578	0.606	0.561	12.1
1,1,2-Trichloroethane	0.289	0.373	0.286	0.345	0.329	0.361	0.330	11.1
2-Hexanone	0.360	0.487	0.390	0.429	0.416	0.464	0.425	11
Dibromochloromethane	0.347	0.468	0.351	0.428	0.404	0.436	0.406	12
1,2-Dibromoethane	0.309	0.417	0.308	0.374	0.358	0.381	0.358	11.9
Tetrachloroethene	0.444	0.364	0.352	0.344	0.348	0.327	0.363	11.4
Chlorobenzene	1.406	1.245	1.153	1.112	1.105	1.101	1.187	10.1
Ethyl Benzene	2.253	2.045	1.976	1.899	1.898	1.887	1.993	7.1
m/p-Xylenes	0.764	0.793	0.758	0.736	0.733	0.720	0.751	3.5
o-Xylene	0.795	0.746	0.721	0.714	0.726	0.703	0.734	4.5
Styrene	1.228	1.256	1.227	1.226	1.244	1.210	1.232	1.3
Bromoform	0.427	0.350	0.345	0.359	0.373	0.348	0.367	8.4
Isopropylbenzene	3.857	3.727	3.683	3.551	3.492	3.466	3.629	4.2
1,1,2,2-Tetrachloroethane	1.544	1.284	1.230	1.207	1.185	1.229	1.280	10.4
1,3-Dichlorobenzene	2.076	1.785	1.686	1.680	1.668	1.644	1.756	9.3
1,4-Dichlorobenzene	2.329	1.860	1.676	1.671	1.672	1.678	1.814	14.5
1,2-Dichlorobenzene	1.944	1.695	1.611	1.627	1.616	1.624	1.686	7.7
1,2-Dibromo-3-Chloropropane	0.304	0.308	0.294	0.298	0.285	0.297	0.297	2.7
1,2,4-Trichlorobenzene	1.353	1.032	1.057	1.097	1.117	1.066	1.120	10.5
1,2,3-Trichlorobenzene	1.170	0.973	0.994	1.049	1.051	1.016	1.042	6.7
1,2-Dichloroethane-d4		0.775	0.723	0.677	0.623	0.685	0.697	8.1
Dibromofluoromethane		0.484	0.374	0.356	0.327	0.351	0.378	16.2
Toluene-d8		1.341	1.021	1.210	1.128	1.202	1.180	10
4-Bromofluorobenzene		0.523	0.365	0.445	0.423	0.443	0.440	12.9

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3715</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/01/2025 09:58</u>
Lab File ID:	<u>VN088370.D</u>	Init. Calib. Date(s):	<u>11/24/2025 11/24/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:38 14:35</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.751	0.815		8.52	20
Chloromethane	0.807	0.858	0.1	6.32	20
Vinyl Chloride	0.821	0.851		3.65	20
Bromomethane	0.395	0.408		3.29	20
Chloroethane	0.508	0.525		3.35	20
Trichlorofluoromethane	1.153	1.195		3.64	20
1,1,2-Trichlorotrifluoroethane	0.614	0.636		3.58	20
Tert butyl alcohol	0.150	0.157		4.67	20
1,1-Dichloroethene	0.610	0.607		-0.49	20
Acetone	0.341	0.269		-21.11	20
Carbon Disulfide	1.993	2.083		4.52	20
Methyl tert-butyl Ether	2.285	2.626		14.92	20
Methyl Acetate	1.014	1.108		9.27	20
Methylene Chloride	0.729	0.791		8.51	20
trans-1,2-Dichloroethene	0.676	0.724		7.1	20
1,1-Dichloroethane	1.367	1.456	0.1	6.51	20
Cyclohexane	1.239	1.285		3.71	20
2-Butanone	0.548	0.541		-1.28	20
Carbon Tetrachloride	0.532	0.584		9.77	20
cis-1,2-Dichloroethene	0.785	0.861		9.68	20
Bromochloromethane	0.681	0.672		-1.32	20
Chloroform	1.343	1.443		7.45	20
1,1,1-Trichloroethane	1.181	1.220		3.3	20
Methylcyclohexane	0.572	0.664		16.08	20
Benzene	1.570	1.738		10.7	20
1,2-Dichloroethane	0.599	0.676		12.85	20
Trichloroethene	0.371	0.415		11.86	20
1,2-Dichloropropane	0.402	0.453		12.69	20
Bromodichloromethane	0.586	0.670		14.33	20
4-Methyl-2-Pentanone	0.633	0.747		18.01	20
Toluene	0.906	1.034		14.13	20
t-1,3-Dichloropropene	0.601	0.701		16.64	20
cis-1,3-Dichloropropene	0.632	0.748		18.35	20
1,1,2-Trichloroethane	0.351	0.400		13.96	20
2-Hexanone	0.399	0.458		14.79	20
Dibromochloromethane	0.400	0.464		16	20
1,2-Dibromoethane	0.355	0.413		16.34	20
Tetrachloroethene	0.396	0.425		7.32	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3715</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/01/2025</u> <u>09:58</u>
Lab File ID:	<u>VN088370.D</u>	Init. Calib. Date(s):	<u>11/24/2025</u> <u>11/24/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>12:38</u> <u>14:35</u>
GC Column:	<u>RXI-624</u>	ID:	<u>0.25</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.123	1.242	0.3	10.6	20
Ethyl Benzene	1.963	2.187		11.41	20
m/p-Xylenes	0.728	0.816		12.09	20
o-Xylene	0.694	0.778		12.1	20
Styrene	1.127	1.336		18.55	20
Bromoform	0.277	0.337	0.1	21.66	20
Isopropylbenzene	3.697	4.179		13.04	20
1,1,2,2-Tetrachloroethane	1.195	1.313	0.3	9.87	20
1,3-Dichlorobenzene	1.647	1.852		12.45	20
1,4-Dichlorobenzene	1.725	1.901		10.2	20
1,2-Dichlorobenzene	1.550	1.757		13.35	20
1,2-Dibromo-3-Chloropropane	0.290	0.317		9.31	20
1,2,4-Trichlorobenzene	0.921	1.042		13.14	20
1,2,3-Trichlorobenzene	0.896	0.989		10.38	20
1,2-Dichloroethane-d4	0.942	0.958		1.7	20
Dibromofluoromethane	0.346	0.377		8.96	20
Toluene-d8	1.289	1.356		5.2	20
4-Bromofluorobenzene	0.442	0.472		6.79	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3715</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/25/2025 09:48</u>
Lab File ID:	<u>VX048672.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Dichlorodifluoromethane	0.405	0.413		1.98	20
Chloromethane	0.537	0.483	0.1	-10.06	20
Vinyl Chloride	0.608	0.527		-13.32	20
Bromomethane	0.384	0.368		-4.17	20
Chloroethane	0.398	0.346		-13.06	20
Trichlorofluoromethane	0.963	0.919		-4.57	20
1,1,2-Trichlorotrifluoroethane	0.557	0.610		9.52	20
Tert butyl alcohol	0.132	0.165		25	20
1,1-Dichloroethene	0.582	0.575		-1.2	20
Acetone	0.330	0.314		-4.85	20
Carbon Disulfide	1.638	1.321		-19.35	20
Methyl tert-butyl Ether	2.055	2.362		14.94	20
Methyl Acetate	0.906	1.064		17.44	20
Methylene Chloride	0.678	0.693		2.21	20
trans-1,2-Dichloroethene	0.617	0.606		-1.78	20
1,1-Dichloroethane	1.142	1.173	0.1	2.71	20
Cyclohexane	0.936	0.866		-7.48	20
2-Butanone	0.488	0.538		10.25	20
Carbon Tetrachloride	0.577	0.548		-5.03	20
cis-1,2-Dichloroethene	0.754	0.757		0.4	20
Bromochloromethane	0.561	0.864		54.01	20
Chloroform	1.179	1.265		7.29	20
1,1,1-Trichloroethane	1.029	1.095		6.41	20
Methylcyclohexane	0.569	0.528		-7.21	20
Benzene	1.571	1.400		-10.89	20
1,2-Dichloroethane	0.538	0.542		0.74	20
Trichloroethene	0.375	0.353		-5.87	20
1,2-Dichloropropane	0.361	0.377		4.43	20
Bromodichloromethane	0.526	0.600		14.07	20
4-Methyl-2-Pentanone	0.571	0.690		20.84	20
Toluene	0.827	0.885		7.01	20
t-1,3-Dichloropropene	0.541	0.605		11.83	20
cis-1,3-Dichloropropene	0.561	0.636		13.37	20
1,1,2-Trichloroethane	0.330	0.390		18.18	20
2-Hexanone	0.425	0.503		18.35	20
Dibromochloromethane	0.406	0.481		18.47	20
1,2-Dibromoethane	0.358	0.410		14.52	20
Tetrachloroethene	0.363	0.366		0.83	20

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

VOLATILE CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3715</u>
Instrument ID:	<u>MSVOA_X</u>	Calibration Date/Time:	<u>11/25/2025 09:48</u>
Lab File ID:	<u>VX048672.D</u>	Init. Calib. Date(s):	<u>11/07/2025 11/07/2025</u>
Heated Purge: (Y/N)	<u>N</u>	Init. Calib. Time(s):	<u>13:35 16:29</u>
GC Column:	<u>DB-624UI</u>	ID:	<u>0.18</u> (mm)

COMPOUND	RRF	RRF050	MIN RRF	%D	MAX%D
Chlorobenzene	1.187	1.213	0.3	2.19	20
Ethyl Benzene	1.993	2.042		2.46	20
m/p-Xylenes	0.751	0.787		4.79	20
o-Xylene	0.734	0.771		5.04	20
Styrene	1.232	1.356		10.06	20
Bromoform	0.367	0.411	0.1	11.99	20
Isopropylbenzene	3.629	3.740		3.06	20
1,1,2,2-Tetrachloroethane	1.280	1.355	0.3	5.86	20
1,3-Dichlorobenzene	1.756	1.782		1.48	20
1,4-Dichlorobenzene	1.814	1.826		0.66	20
1,2-Dichlorobenzene	1.686	1.755		4.09	20
1,2-Dibromo-3-Chloropropane	0.297	0.273		-8.08	20
1,2,4-Trichlorobenzene	1.120	1.092		-2.5	20
1,2,3-Trichlorobenzene	1.042	1.065		2.21	20
1,2-Dichloroethane-d4	0.697	0.662		-5.02	20
Dibromofluoromethane	0.378	0.318		-15.87	20
Toluene-d8	1.180	1.034		-12.37	20
4-Bromofluorobenzene	0.440	0.397		-9.77	20

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



SAMPLE RAW DATA

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048678.D
 Acq On : 25 Nov 2025 12:39
 Operator : JC/MD
 Sample : Q3715-01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW2

A
B
C
D
E
F
G
H
I
J

Quant Time: Nov 26 00:59:41 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	172027	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	315243	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	370755	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	198932	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	126147	52.626	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	= 105.260%	
35) Dibromofluoromethane	5.373	113	112968	47.347	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 94.700%	
50) Toluene-d8	8.635	98	398167	53.507	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 107.020%	
62) 4-Bromofluorobenzene	11.061	95	174996	63.103	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 126.200%#	

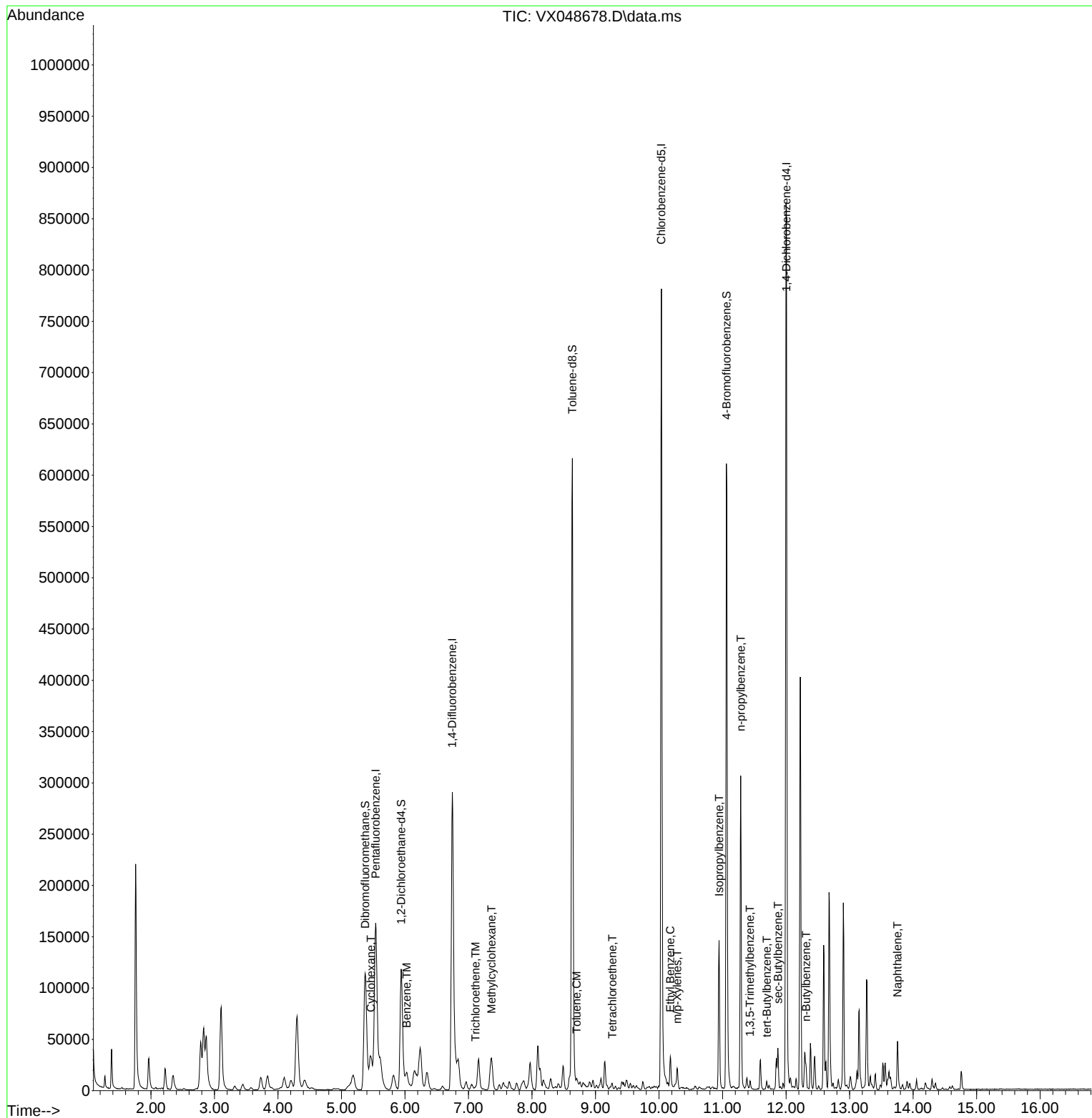
Target Compounds					Qvalue	
31) Cyclohexane	5.465	56	21434	6.659	ug/l #	93
39) Methylcyclohexane	7.361	83	12603	3.513	ug/l	93
40) Benzene	6.025	78	18541	1.872	ug/l	98
44) Trichloroethene	7.111	130	1188	0.502	ug/l	83
52) Toluene	8.702	92	2566	0.492	ug/l	99
64) Tetrachloroethene	9.263	164	1180	0.438	ug/l #	79
67) Ethyl Benzene	10.177	91	19781	1.339	ug/l	95
68) m/p-Xylenes	10.287	106	4699	0.844	ug/l	90
73) Isopropylbenzene	10.945	105	75615	5.237	ug/l	98
78) n-propylbenzene	11.287	91	188783	11.119	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	3073	0.261	ug/l	97
83) tert-Butylbenzene	11.695	119	2942	0.242	ug/l	83
85) sec-Butylbenzene	11.872	105	20574	1.367	ug/l	96
89) n-Butylbenzene	12.317	91	11693	0.985	ug/l #	75
95) Naphthalene	13.756	128	29896	2.086	ug/l #	97

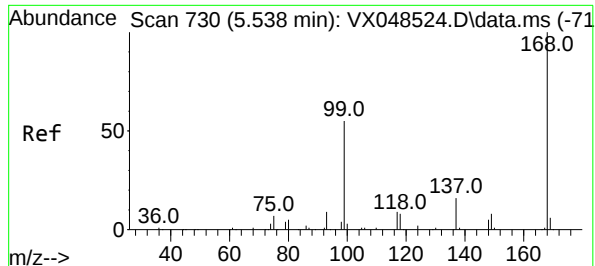
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Time: Nov 26 00:59:41 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

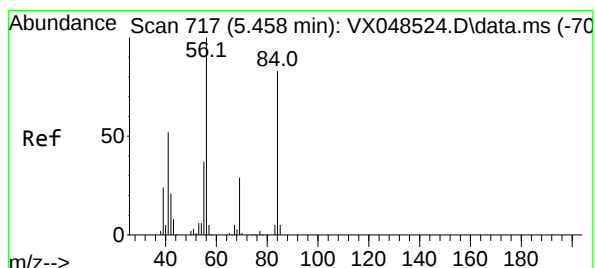
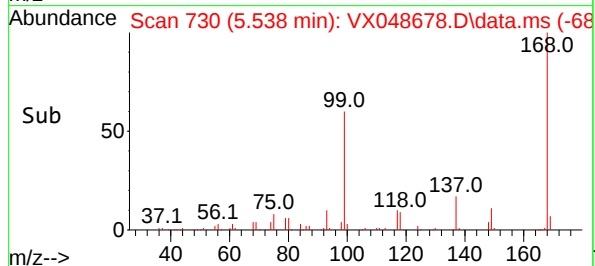
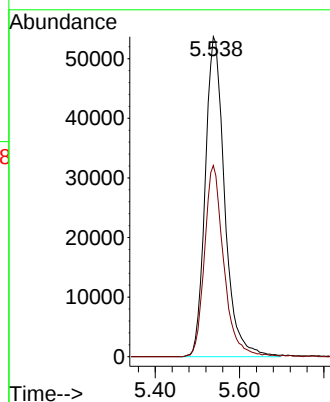
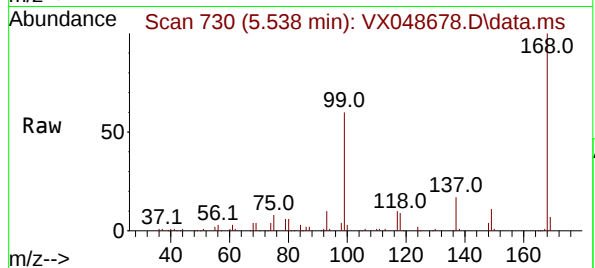




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 718
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

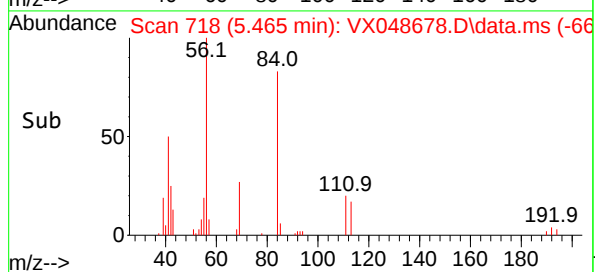
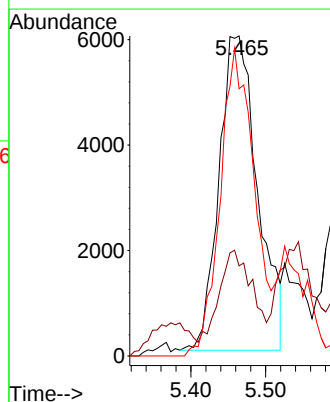
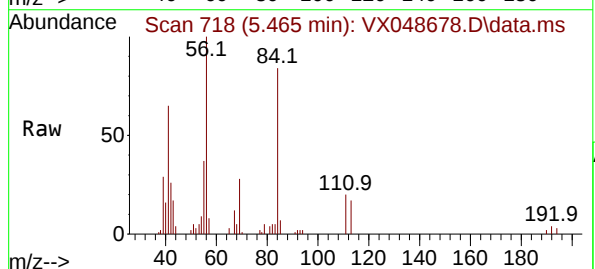
Instrument :
MSVOA_X
ClientSampleId :
MW2

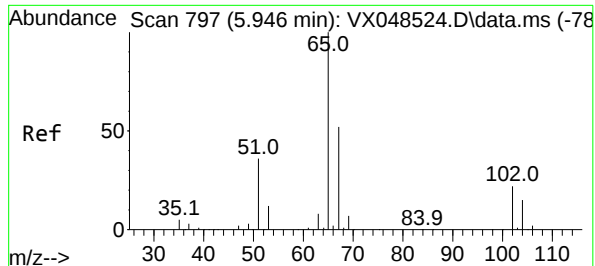
Tgt Ion:168 Resp: 172027
Ion Ratio Lower Upper
168 100
99 59.8 45.2 67.8



#31
Cyclohexane
Concen: 6.659 ug/l
RT: 5.465 min Scan# 718
Delta R.T. 0.006 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 56 Resp: 21434
Ion Ratio Lower Upper
56 100
69 18.1 23.4 35.2#
84 85.0 66.3 99.5





#33

1,2-Dichloroethane-d4

Concen: 52.626 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

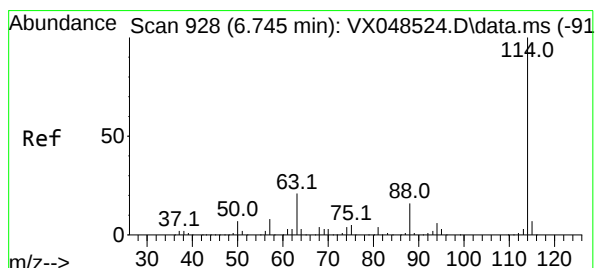
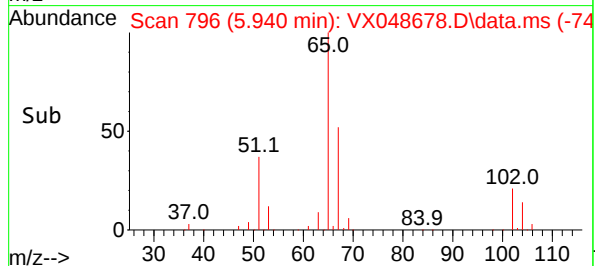
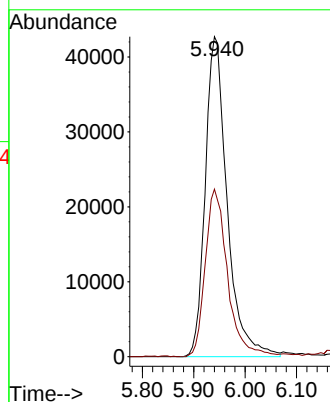
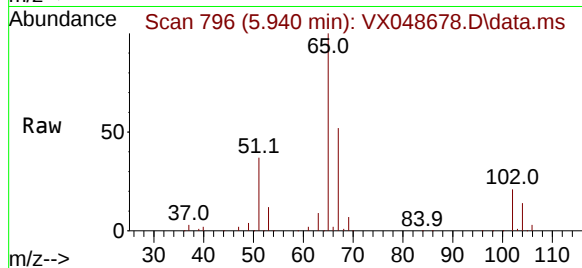
MW2

Tgt Ion: 65 Resp: 126147

Ion Ratio Lower Upper

65 100

67 53.4 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

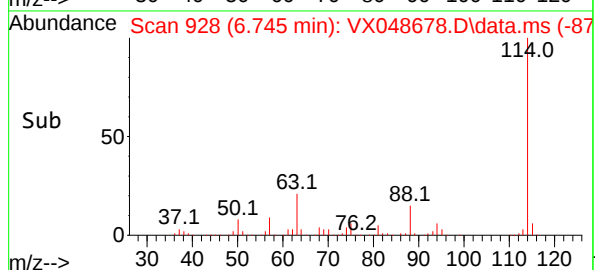
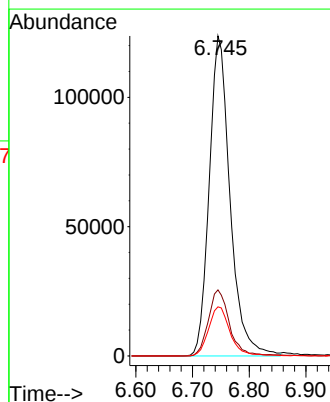
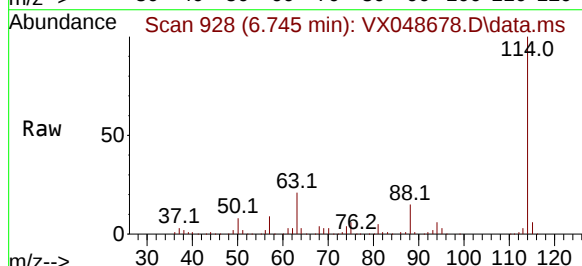
Tgt Ion: 114 Resp: 315243

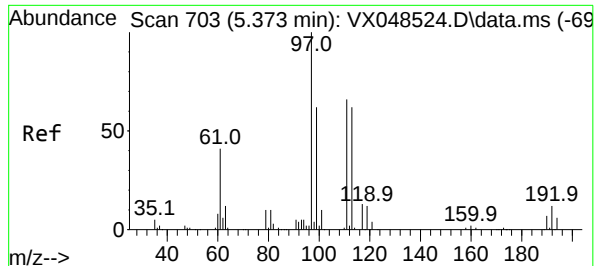
Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

88 15.4 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.347 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

MW2

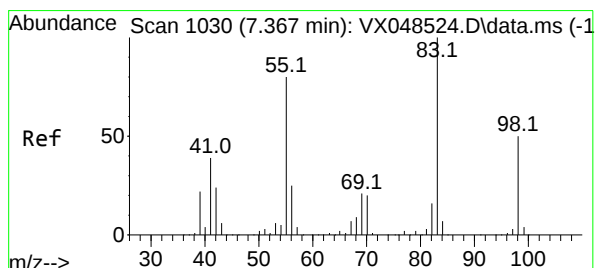
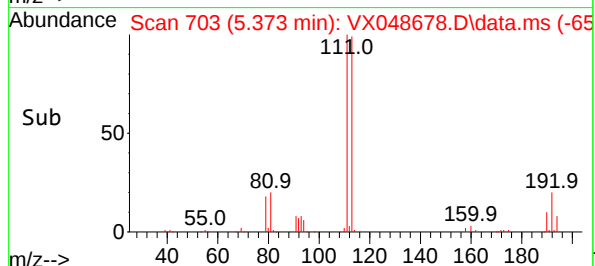
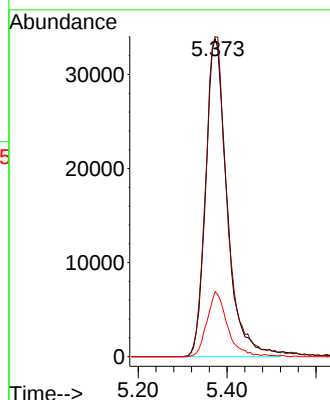
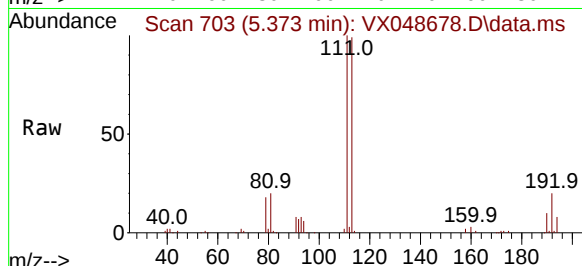
Tgt Ion:113 Resp: 112968

Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 19.5 15.8 23.6



#39

Methylcyclohexane

Concen: 3.513 ug/l

RT: 7.361 min Scan# 1029

Delta R.T. -0.006 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

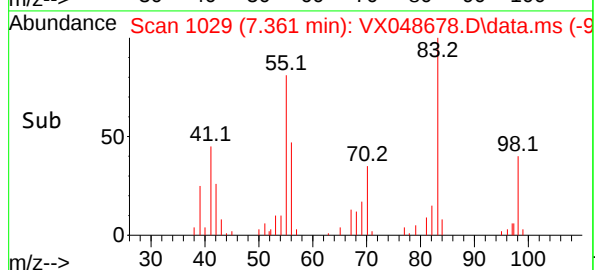
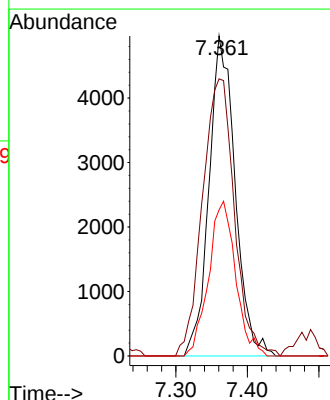
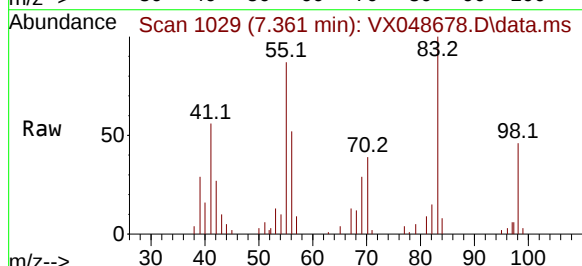
Tgt Ion: 83 Resp: 12603

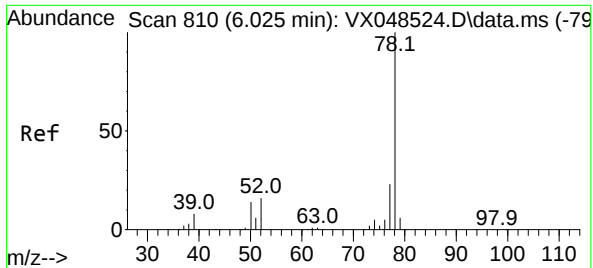
Ion Ratio Lower Upper

83 100

55 86.6 63.8 95.6

98 45.6 40.3 60.5





#40

Benzene

Concen: 1.872 ug/l

RT: 6.025 min Scan# 810

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

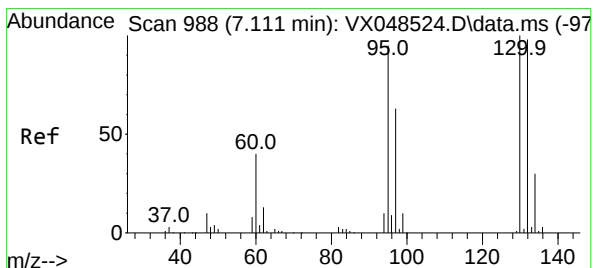
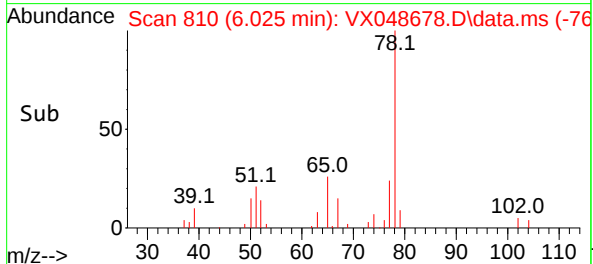
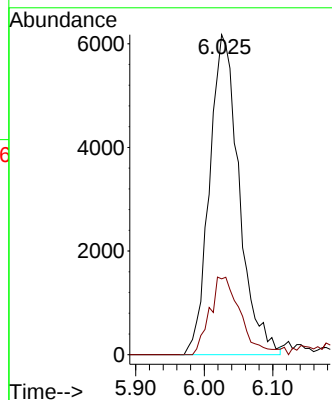
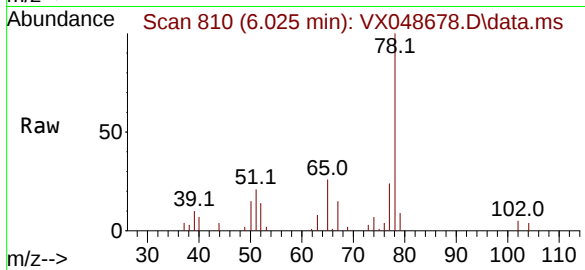
MW2

Tgt Ion: 78 Resp: 18541

Ion Ratio Lower Upper

78 100

77 23.7 18.3 27.5



#44

Trichloroethene

Concen: 0.502 ug/l

RT: 7.111 min Scan# 988

Delta R.T. -0.000 min

Lab File: VX048678.D

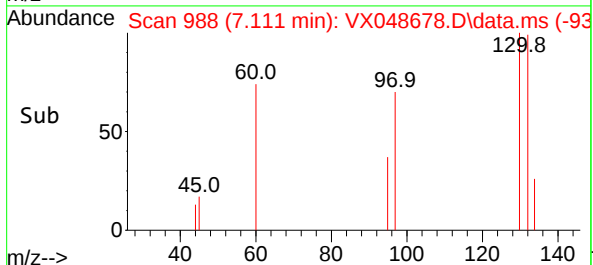
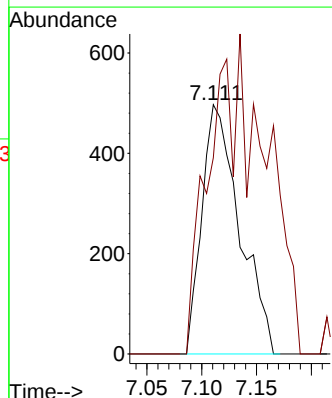
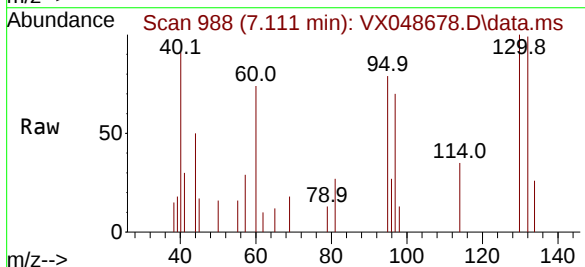
Acq: 25 Nov 2025 12:39

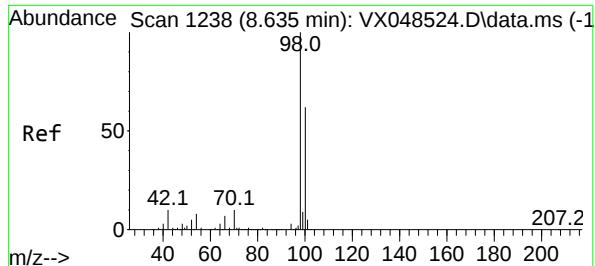
Tgt Ion:130 Resp: 1188

Ion Ratio Lower Upper

130 100

95 78.7 0.0 190.2





#50

Toluene-d8

Concen: 53.507 ug/l

RT: 8.635 min Scan# 11

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

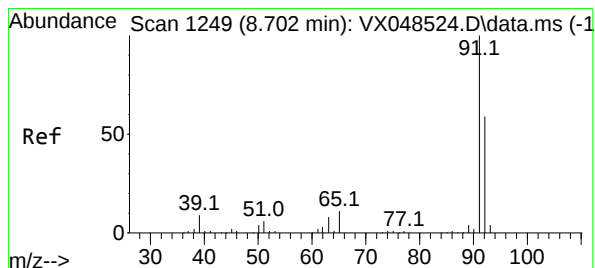
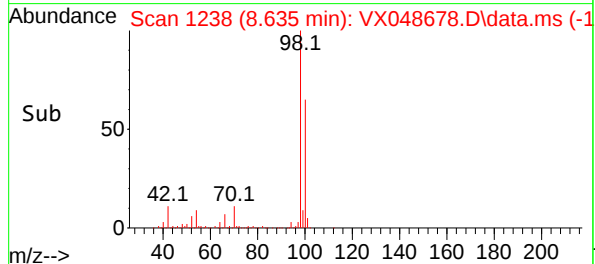
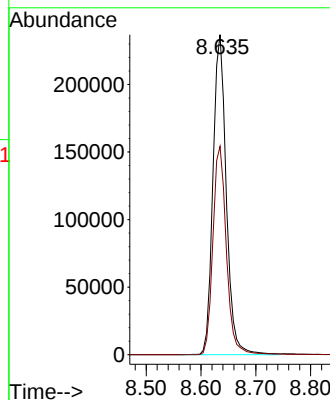
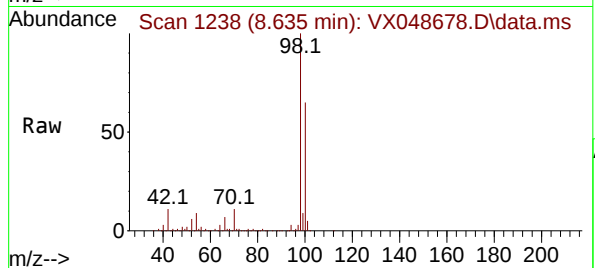
MW2

Tgt Ion: 98 Resp: 398167

Ion Ratio Lower Upper

98 100

100 65.9 53.6 80.4



#52

Toluene

Concen: 0.492 ug/l

RT: 8.702 min Scan# 1249

Delta R.T. -0.000 min

Lab File: VX048678.D

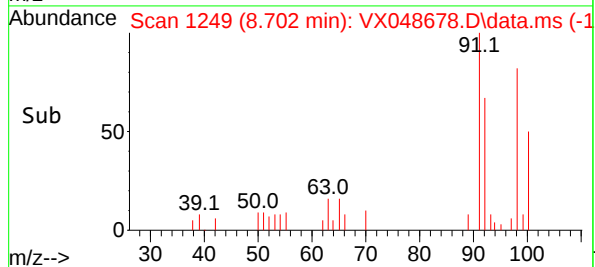
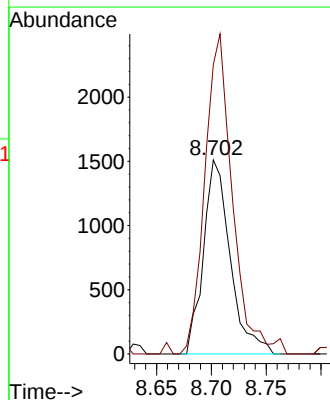
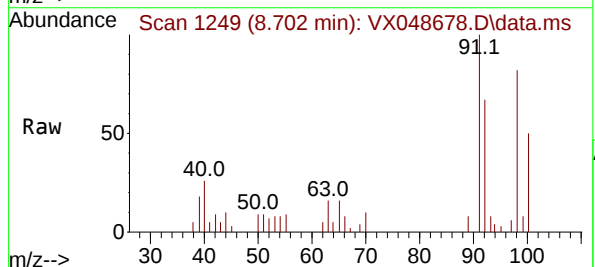
Acq: 25 Nov 2025 12:39

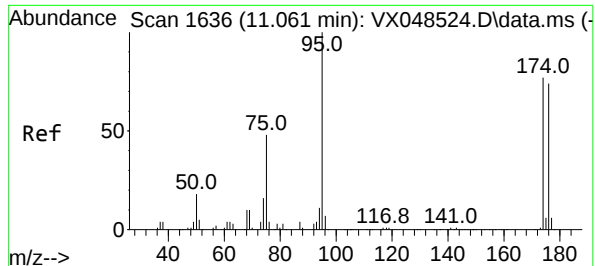
Tgt Ion: 92 Resp: 2566

Ion Ratio Lower Upper

92 100

91 170.1 137.0 205.6

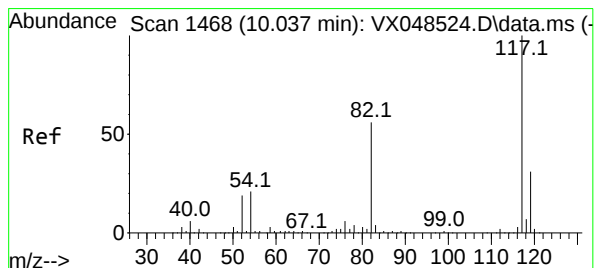
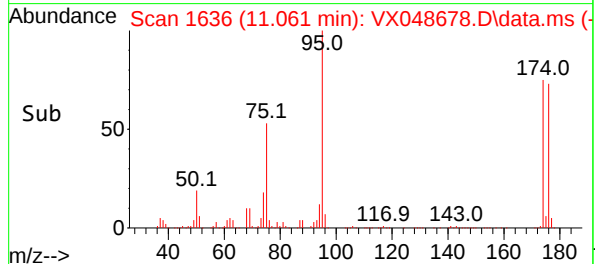
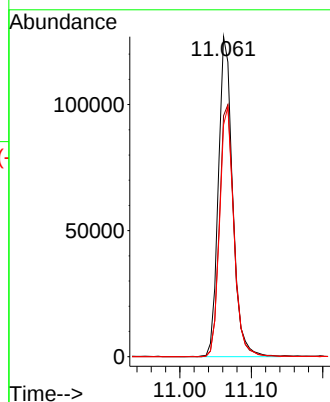
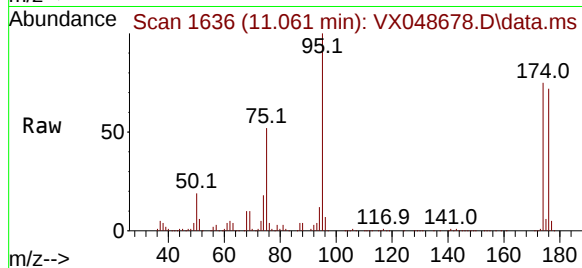




#62
4-Bromofluorobenzene
Concen: 63.103 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

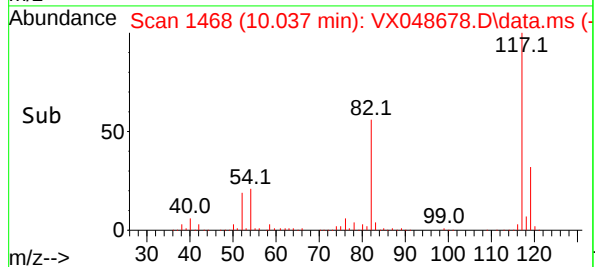
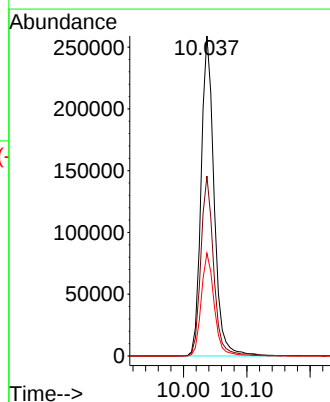
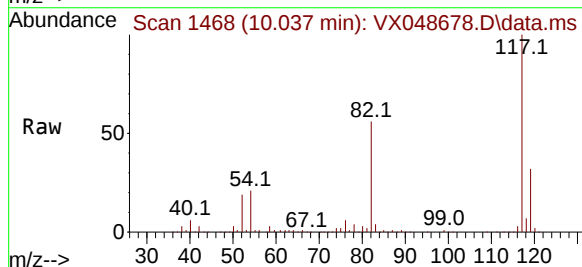
Instrument :
MSVOA_X
ClientSampleId :
MW2

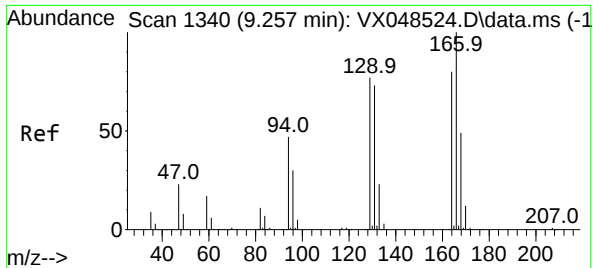
Tgt Ion: 95 Resp: 174996
Ion Ratio Lower Upper
95 100
174 80.6 0.0 161.8
176 78.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 117 Resp: 370755
Ion Ratio Lower Upper
117 100
82 56.2 44.4 66.6
119 32.1 25.1 37.7

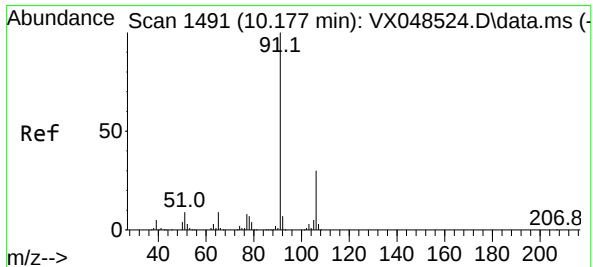
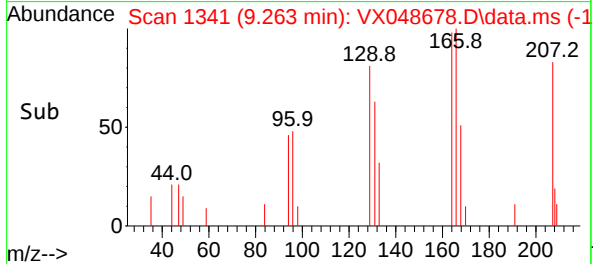
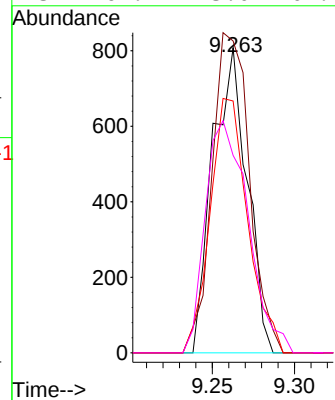
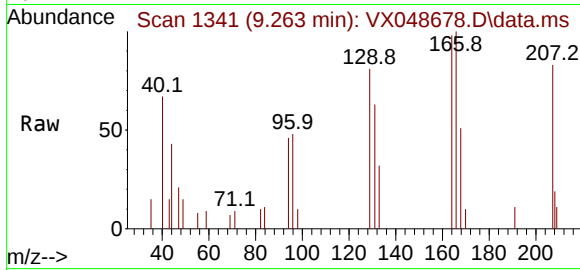




#64
Tetrachloroethene
Concen: 0.438 ug/l
RT: 9.263 min Scan# 11
Delta R.T. 0.006 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

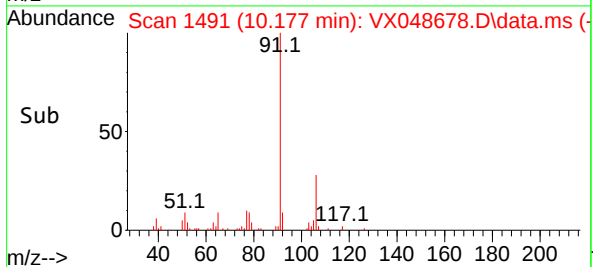
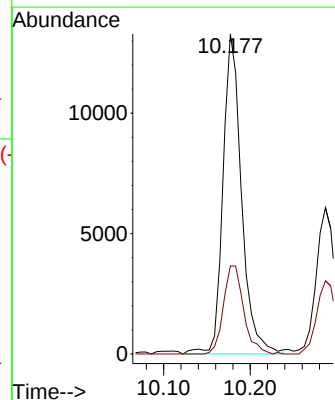
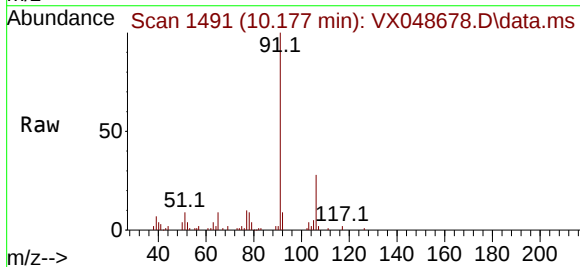
Instrument :
MSVOA_X
ClientSampleId :
MW2

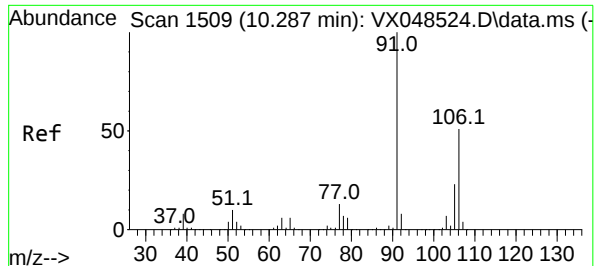
Tgt Ion:164 Resp: 1180
Ion Ratio Lower Upper
164 100
166 102.2 100.6 150.8
129 82.5 77.6 116.4
131 64.7 73.0 109.6#



#67
Ethyl Benzene
Concen: 1.339 ug/l
RT: 10.177 min Scan# 1491
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 91 Resp: 19781
Ion Ratio Lower Upper
91 100
106 27.5 24.1 36.1





#68

m/p-Xylenes

Concen: 0.844 ug/l

RT: 10.287 min Scan# 1509

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

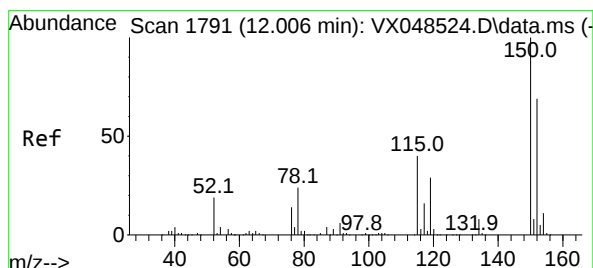
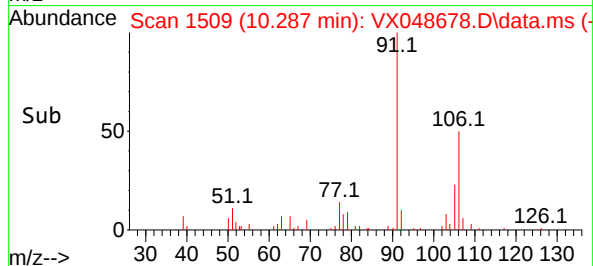
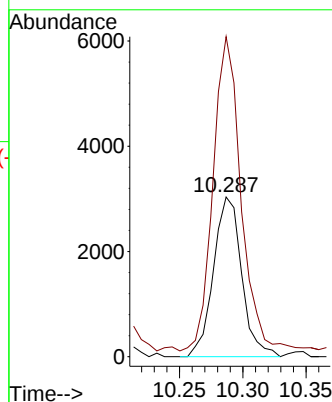
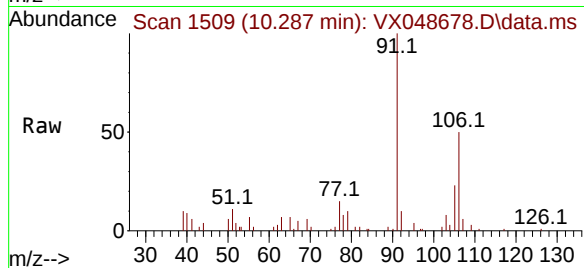
MW2

Tgt Ion:106 Resp: 4699

Ion Ratio Lower Upper

106 100

91 214.5 159.6 239.4



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

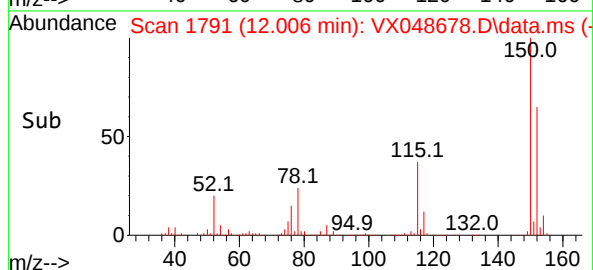
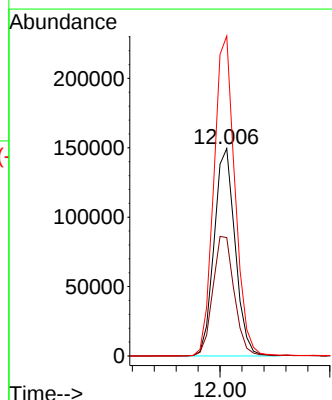
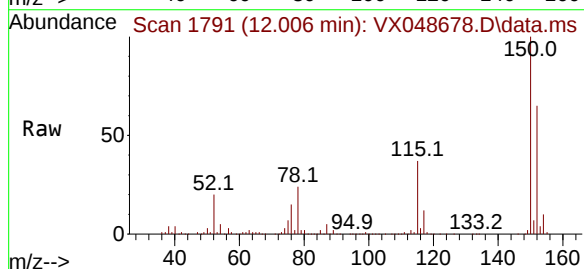
Tgt Ion:152 Resp: 198932

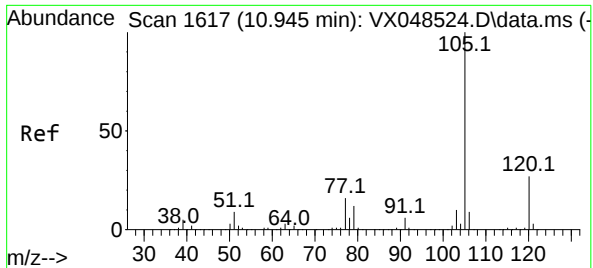
Ion Ratio Lower Upper

152 100

115 58.6 39.2 117.6

150 155.1 0.0 347.0

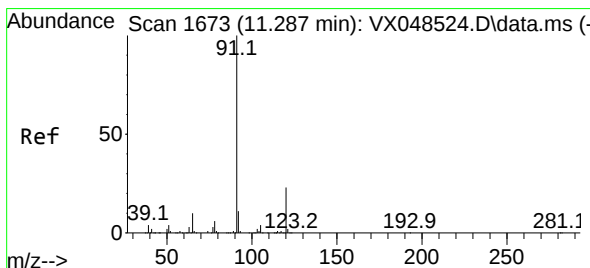
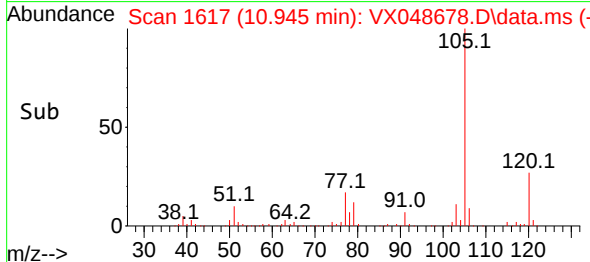
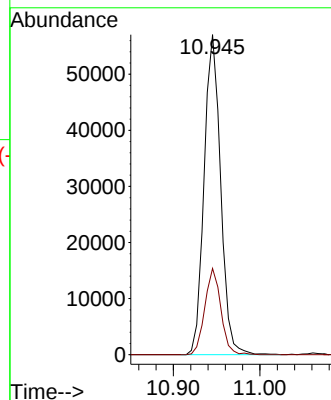
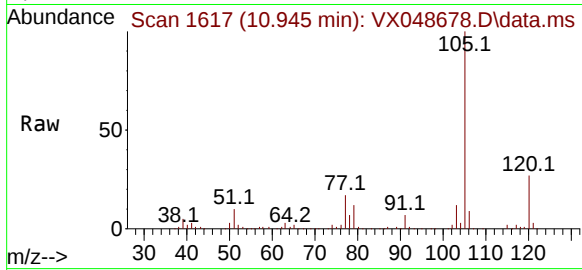




#73
Isopropylbenzene
Concen: 5.237 ug/l
RT: 10.945 min Scan# 1617
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

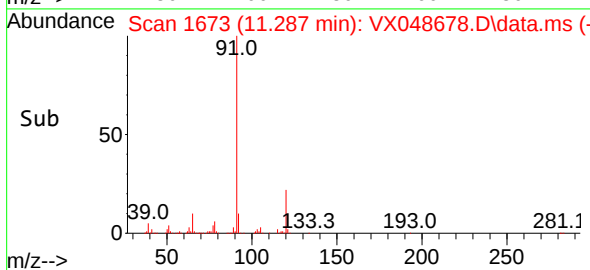
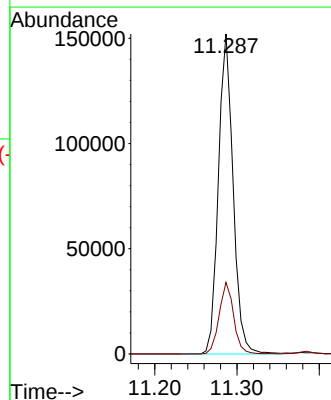
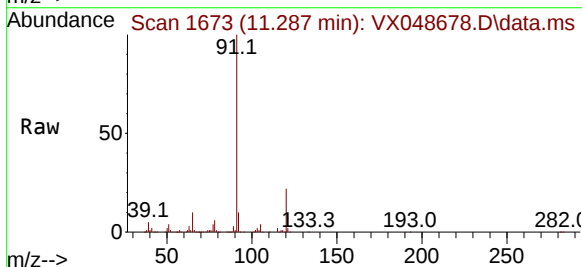
Instrument :
MSVOA_X
ClientSampleId :
MW2

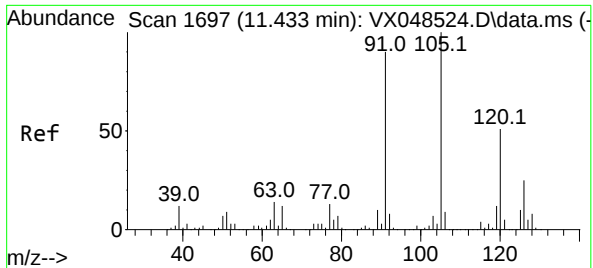
Tgt Ion:105 Resp: 75615
Ion Ratio Lower Upper
105 100
120 26.1 13.6 40.7



#78
n-propylbenzene
Concen: 11.119 ug/l
RT: 11.287 min Scan# 1673
Delta R.T. -0.000 min
Lab File: VX048678.D
Acq: 25 Nov 2025 12:39

Tgt Ion: 91 Resp: 188783
Ion Ratio Lower Upper
91 100
120 22.0 11.6 34.8





#80

1,3,5-Trimethylbenzene

Concen: 0.261 ug/l

RT: 11.433 min Scan# 1

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

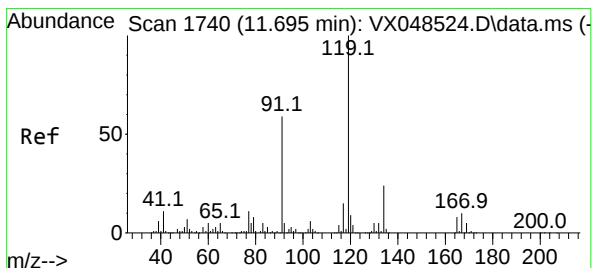
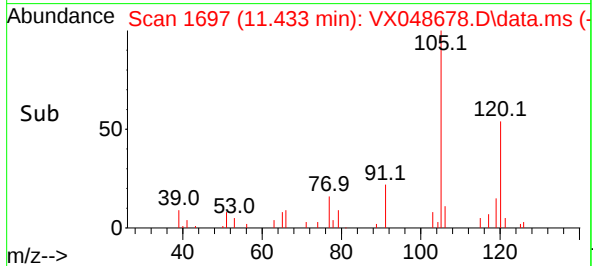
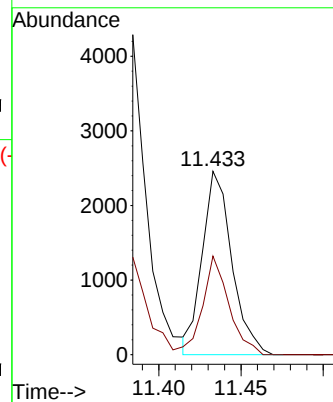
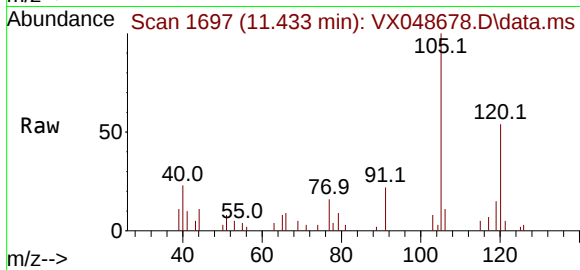
MW2

Tgt Ion:105 Resp: 3073

Ion Ratio Lower Upper

105 100

120 48.3 25.1 75.2



#83

tert-Butylbenzene

Concen: 0.242 ug/l

RT: 11.695 min Scan# 1740

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

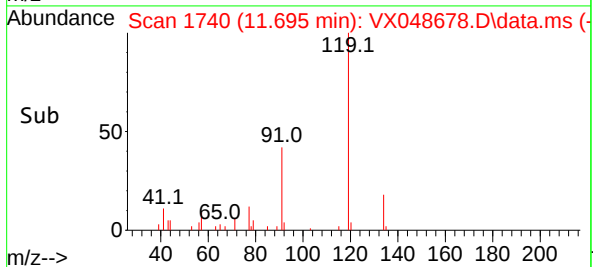
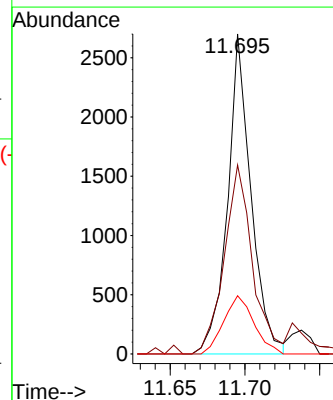
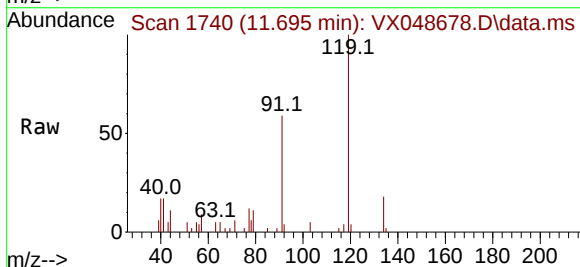
Tgt Ion:119 Resp: 2942

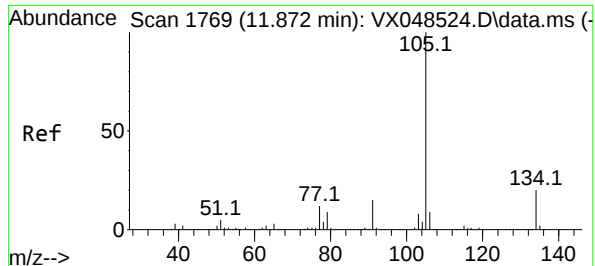
Ion Ratio Lower Upper

119 100

91 71.0 27.1 81.3

134 23.5 11.4 34.1





#85

sec-Butylbenzene

Concen: 1.367 ug/l

RT: 11.872 min Scan# 1769

Delta R.T. -0.000 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

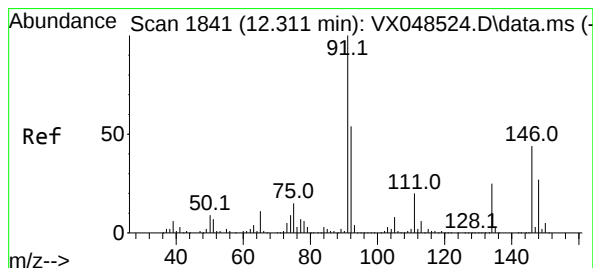
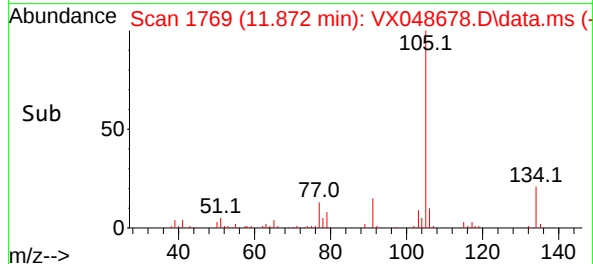
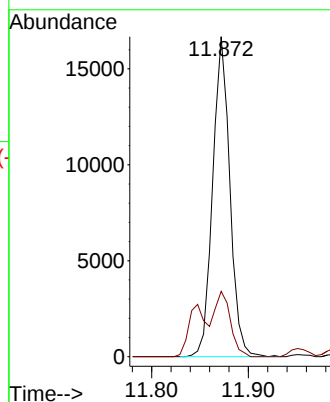
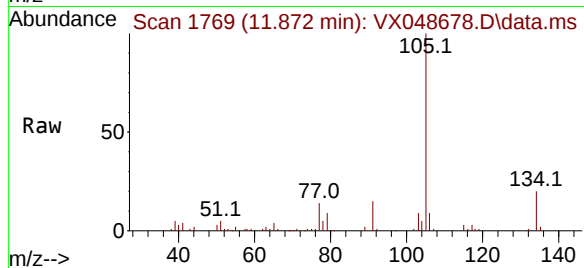
MW2

Tgt Ion:105 Resp: 20574

Ion Ratio Lower Upper

105 100

134 18.6 10.2 30.4



#89

n-Butylbenzene

Concen: 0.985 ug/l

RT: 12.317 min Scan# 1842

Delta R.T. 0.006 min

Lab File: VX048678.D

Acq: 25 Nov 2025 12:39

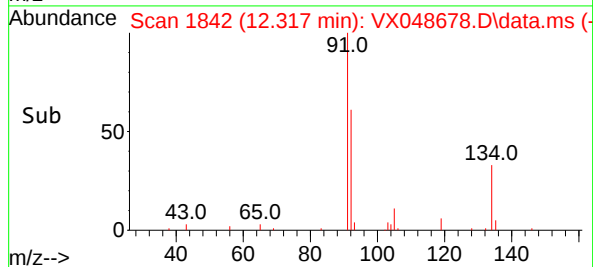
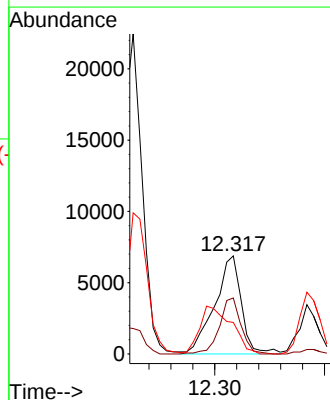
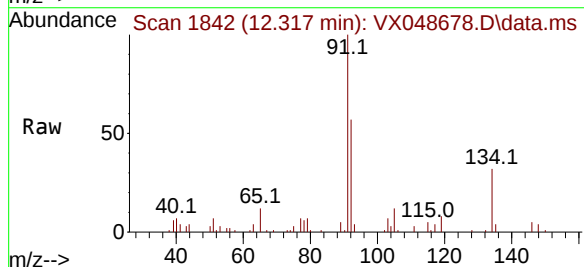
Tgt Ion: 91 Resp: 11693

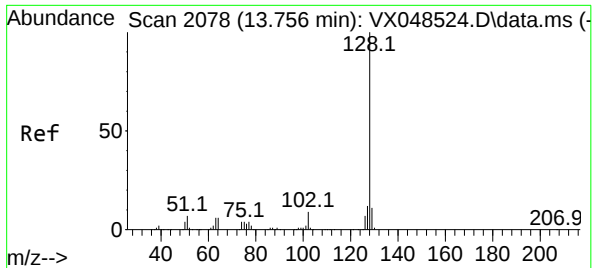
Ion Ratio Lower Upper

91 100

92 45.7 27.2 81.5

134 0.0 13.0 39.0#





#95

Naphthalene

Concen: 2.086 ug/l

RT: 13.756 min Scan# 20

Delta R.T. -0.000 min

Lab File: VX048678.D

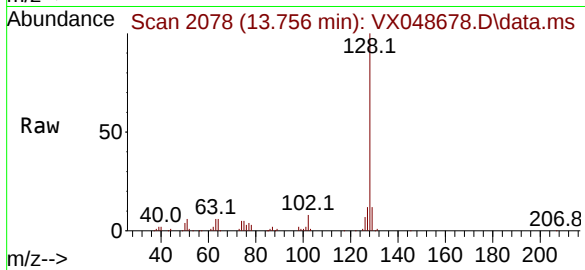
Acq: 25 Nov 2025 12:39

Instrument :

MSVOA_X

ClientSampleId :

MW2



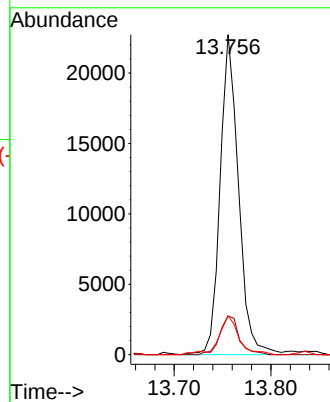
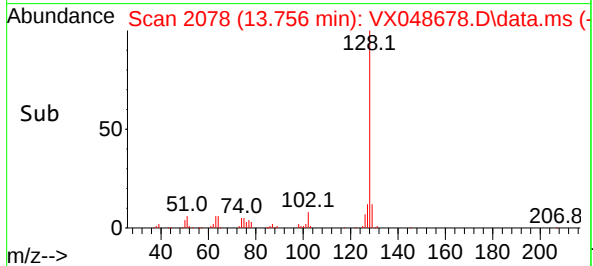
Tgt Ion:128 Resp: 29896

Ion Ratio Lower Upper

128 100

127 12.6 10.1 15.1

129 13.2 8.7 13.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260

Signal : TIC: VX048678.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	1.276	27	31	39	rVB	11743	14729	1.23%	0.126%
2	1.380	43	48	60	rBV	38379	47158	3.94%	0.405%
3	1.758	102	110	125	rBV	219269	349046	29.15%	2.997%
4	1.965	139	144	158	rBV2	29561	54586	4.56%	0.469%
5	2.221	181	186	193	rBV	20001	34987	2.92%	0.300%
6	2.349	200	207	217	rBV2	13594	33788	2.82%	0.290%
7	2.782	270	278	282	rBV	45868	107458	8.97%	0.923%
8	2.831	282	286	289	rVV	59187	122187	10.20%	1.049%
9	2.867	289	292	311	rVB2	52030	127738	10.67%	1.097%
10	3.105	321	331	348	rBV	80750	205427	17.15%	1.764%
11	3.447	379	387	393	rBV4	5586	13575	1.13%	0.117%
12	3.727	425	433	443	rBV3	12049	31672	2.64%	0.272%
13	3.837	443	451	461	rBV3	12796	35268	2.95%	0.303%
14	4.099	486	494	501	rBV4	10154	24644	2.06%	0.212%
15	4.203	505	511	518	rVV3	7097	19285	1.61%	0.166%
16	4.300	518	527	539	rVV2	69579	209621	17.50%	1.800%
17	4.416	540	546	555	rVB5	7218	21952	1.83%	0.189%
18	5.184	650	672	686	rBV6	14548	69718	5.82%	0.599%
19	5.373	693	703	712	rBV	113391	364981	30.48%	3.134%
20	5.452	712	716	722	rVV4	30645	93577	7.81%	0.804%
21	5.538	722	730	764	rVB	162436	627501	52.40%	5.389%
22	5.818	764	776	787	rBV6	14078	48252	4.03%	0.414%
23	5.940	787	796	806	rBV	116780	332504	27.77%	2.855%
24	6.153	822	831	837	rBV5	14673	54321	4.54%	0.466%
25	6.239	838	845	855	rVV3	38499	120658	10.08%	1.036%
26	6.342	856	862	874	rVB4	16644	51198	4.28%	0.440%
27	6.745	919	928	939	rBV	289871	772544	64.51%	6.634%
28	6.964	956	964	972	rVB3	7287	17511	1.46%	0.150%
29	7.159	986	996	1006	rVB2	29321	72845	6.08%	0.626%
30	7.361	1017	1029	1041	rBV5	31147	94960	7.93%	0.815%
31	7.549	1054	1060	1070	rBV5	6029	16322	1.36%	0.140%
32	7.641	1070	1075	1087	rVB3	7997	19238	1.61%	0.165%
33	7.757	1087	1094	1100	rBV3	6531	13628	1.14%	0.117%
34	7.867	1100	1112	1119	rBV9	8916	30785	2.57%	0.264%
35	7.970	1119	1129	1142	rVB3	26288	69434	5.80%	0.596%
36	8.092	1142	1149	1153	rBV	42903	91585	7.65%	0.786%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Title : SW846 8260

37	8.177	1160	1163	1171	rVB6	7282	15241	1.27%	0.131%
38	8.293	1176	1182	1190	rBV5	9594	20066	1.68%	0.172%
39	8.488	1208	1214	1224	rVB3	22875	44688	3.73%	0.384%
40	8.635	1224	1238	1247	rBV	615207	1080193	90.20%	9.276%
41	8.958	1287	1291	1296	rVB3	7367	12024	1.00%	0.103%
42	9.086	1305	1312	1317	rBV4	9595	18166	1.52%	0.156%
43	9.147	1317	1322	1332	rVB	26870	49802	4.16%	0.428%
44	9.415	1361	1366	1369	rBV	6938	12201	1.02%	0.105%
45	9.482	1374	1377	1384	rVB6	7726	16104	1.34%	0.138%
46	9.744	1413	1420	1426	rBV4	7572	13033	1.09%	0.112%
47	10.037	1462	1468	1483	rBV	778036	1126097	94.04%	9.670%
48	10.177	1487	1491	1499	rVV	30557	48470	4.05%	0.416%
49	10.287	1500	1509	1515	rVB	19919	38725	3.23%	0.333%
50	10.945	1611	1617	1625	rBV	144892	193164	16.13%	1.659%
51	11.061	1631	1636	1649	rBV	608617	857679	71.62%	7.365%
52	11.287	1668	1673	1683	rVB	304597	382509	31.94%	3.285%
53	11.384	1683	1689	1694	rVV	10772	17291	1.44%	0.148%
54	11.598	1719	1724	1731	rVB	28969	40828	3.41%	0.351%
55	11.848	1758	1765	1767	rBV	30396	42114	3.52%	0.362%
56	11.872	1767	1769	1773	rVB	38855	41907	3.50%	0.360%
57	12.000	1785	1790	1799	rBV	862830	1197513	100.00%	10.284%
58	12.158	1813	1816	1821	rVB	10234	13168	1.10%	0.113%
59	12.225	1821	1827	1834	rBV2	402032	524551	43.80%	4.505%
60	12.293	1834	1838	1849	rVV2	35679	73453	6.13%	0.631%
61	12.384	1849	1853	1859	rVV	44705	56505	4.72%	0.485%
62	12.451	1859	1864	1870	rVB2	32016	46899	3.92%	0.403%
63	12.591	1880	1887	1891	rBV	140820	182488	15.24%	1.567%
64	12.628	1891	1893	1897	rVV2	25546	27236	2.27%	0.234%
65	12.677	1897	1901	1909	rVV	190046	265851	22.20%	2.283%
66	12.823	1920	1925	1931	rVB2	9321	14021	1.17%	0.120%
67	12.902	1931	1938	1944	rBV	181907	226796	18.94%	1.948%
68	13.012	1951	1956	1964	rVB3	12593	22704	1.90%	0.195%
69	13.116	1964	1973	1975	rBV3	17768	27626	2.31%	0.237%
70	13.152	1975	1979	1987	rVB	76164	106767	8.92%	0.917%
71	13.268	1987	1998	2004	rBV2	106072	156639	13.08%	1.345%
72	13.408	2016	2021	2025	rVB2	14920	21259	1.78%	0.183%
73	13.524	2036	2040	2043	rBV	23643	31446	2.63%	0.270%
74	13.561	2043	2046	2050	rVB3	21677	27126	2.27%	0.233%
75	13.622	2050	2056	2058	rBV2	12940	21147	1.77%	0.182%
76	13.756	2072	2078	2087	rVB	46305	62799	5.24%	0.539%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

77	13.902	2094	2102	2106	rBV4	7624	12158	1.02%	0.104%
78	14.298	2162	2167	2173	rBV3	10027	16215	1.35%	0.139%
79	14.762	2238	2243	2251	rBV	17531	25639	2.14%	0.220%

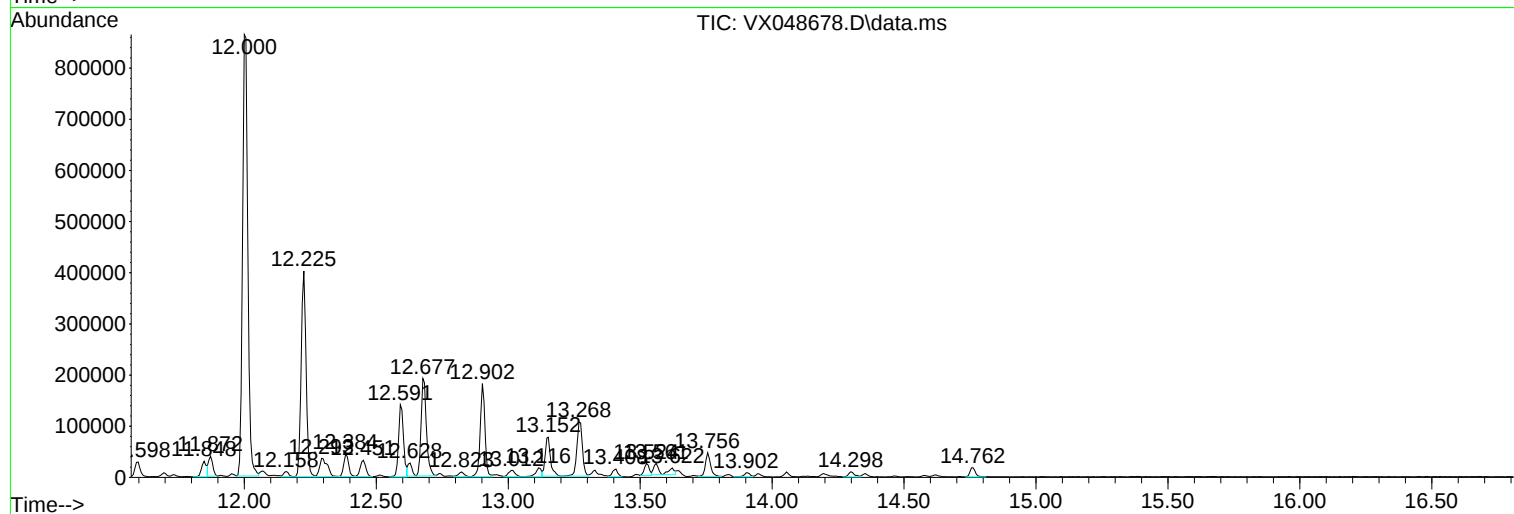
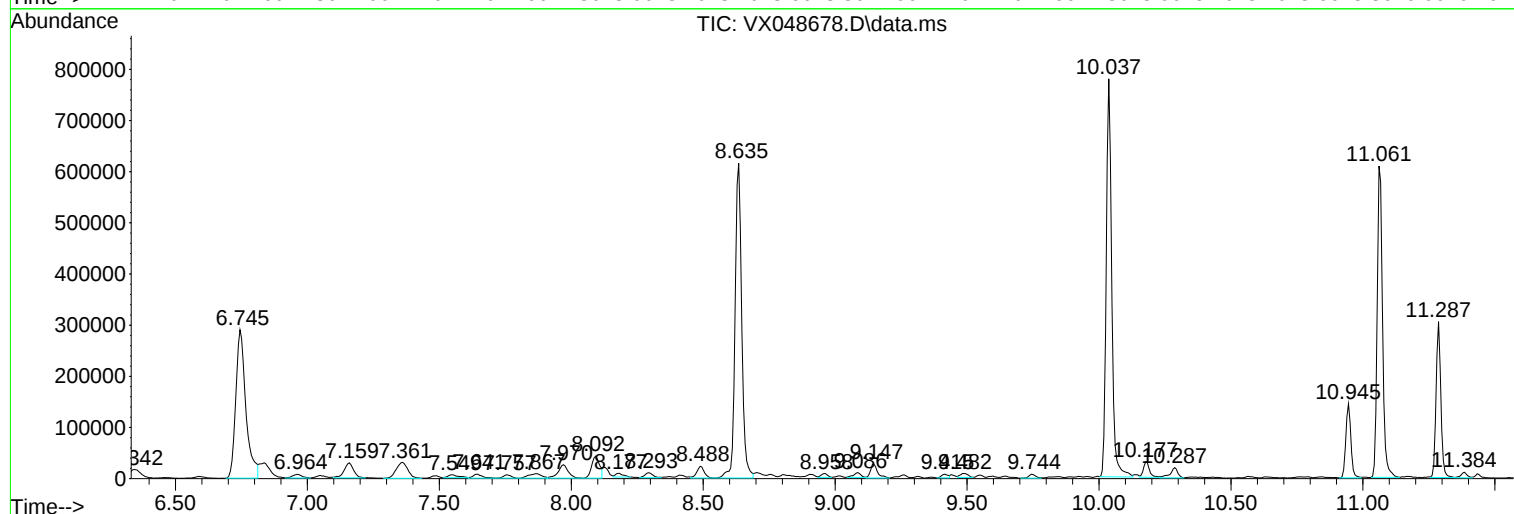
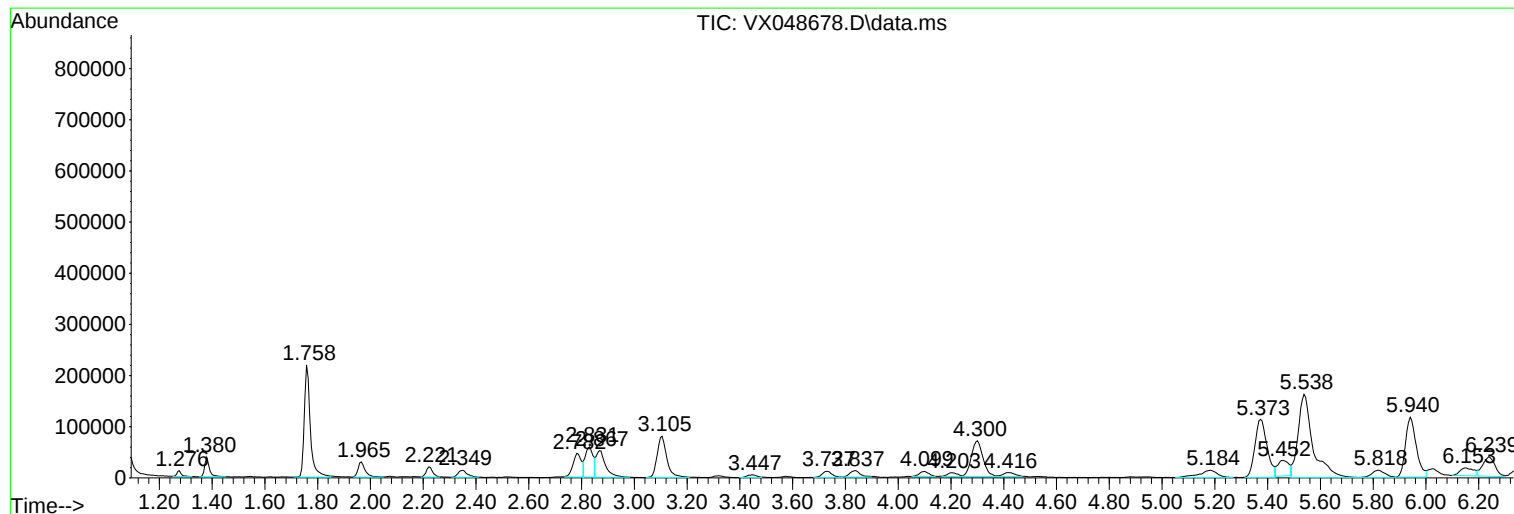
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

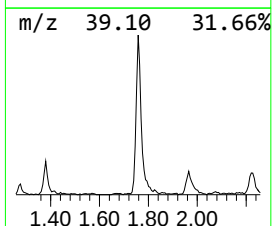
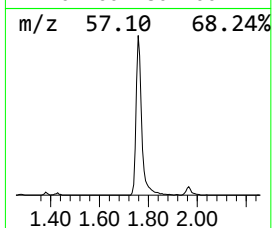
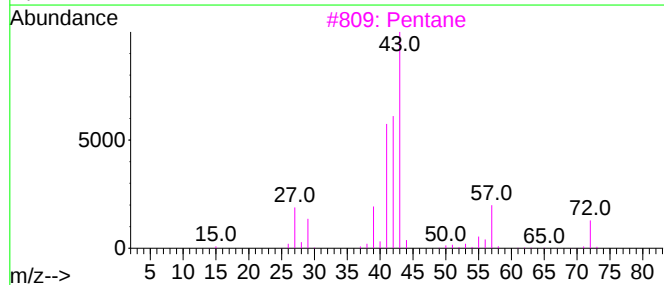
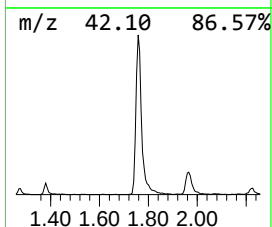
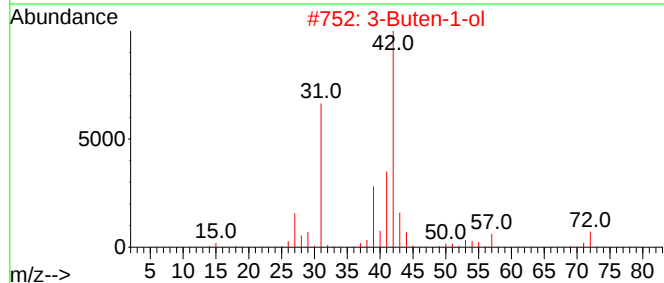
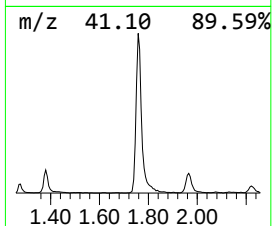
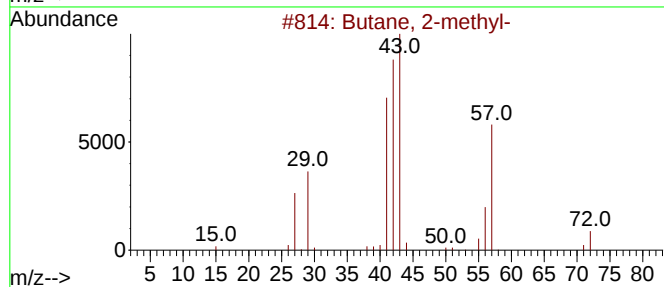
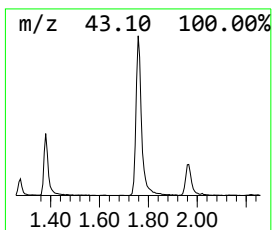
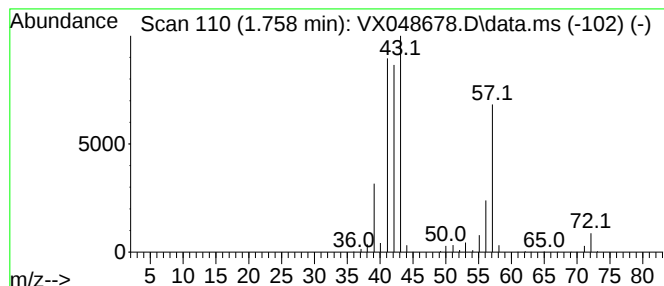
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Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
1.758	27.81 ug/l	349046	Pentafluorobenzene	5.538

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	90
2			3-Buten-1-ol	72	C4H8O	000627-27-0	38
3			Pentane	72	C5H12	000109-66-0	36
4			1-Butene	56	C4H8	000106-98-9	14
5			3-Buten-2-ol	72	C4H8O	000598-32-3	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

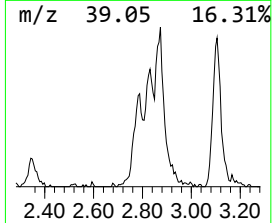
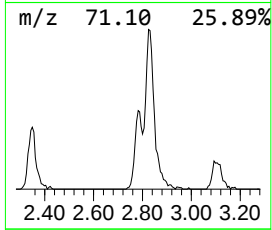
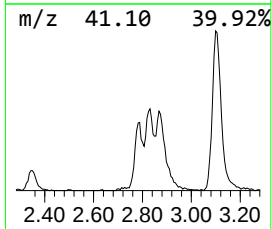
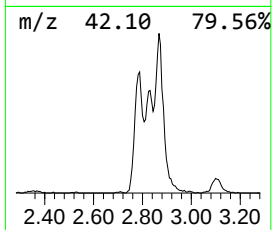
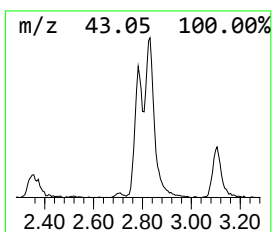
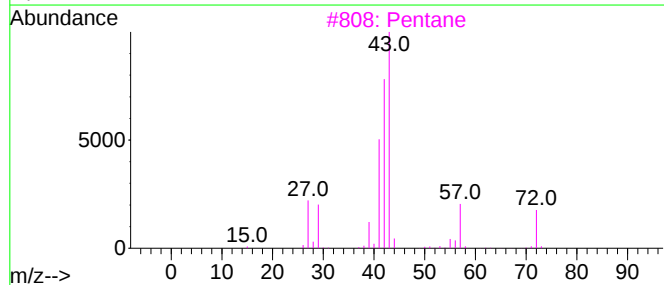
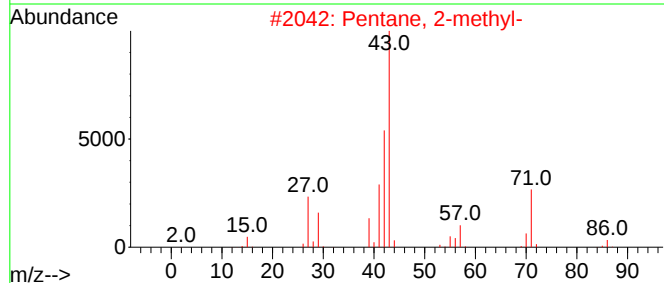
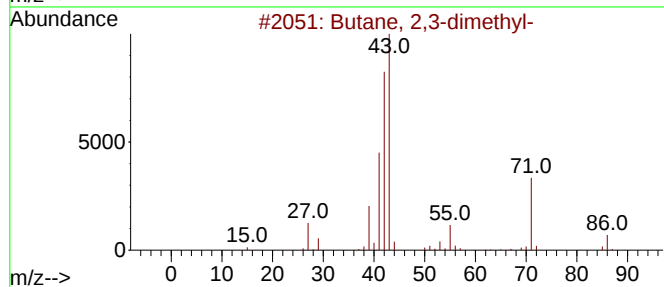
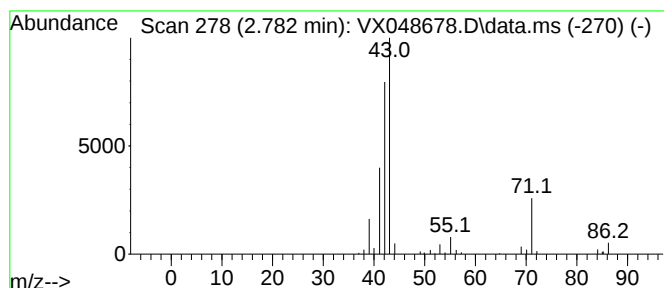
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

Peak Number 2 Butane, 2,3-dimethyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
2.782	8.56 ug/l	107458	Pentafluorobenzene	5.538

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	90
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	47
3		Pentane	72	C5H12	000109-66-0	36
4		Tetrahydrofuran	72	C4H8O	000109-99-9	36
5		Propanoyl chloride, 2-methyl-	106	C4H7ClO	000079-30-1	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

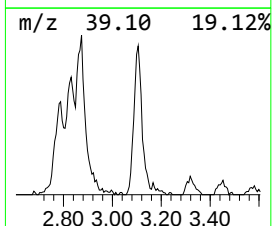
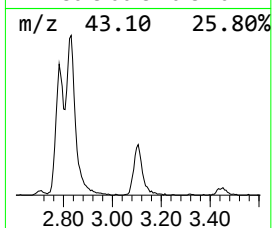
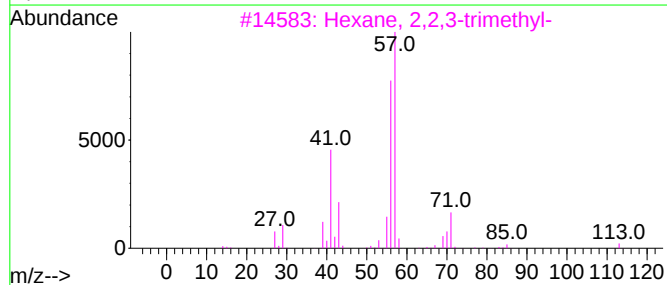
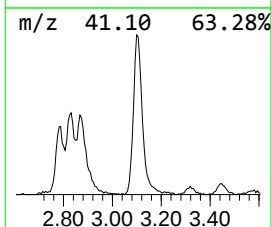
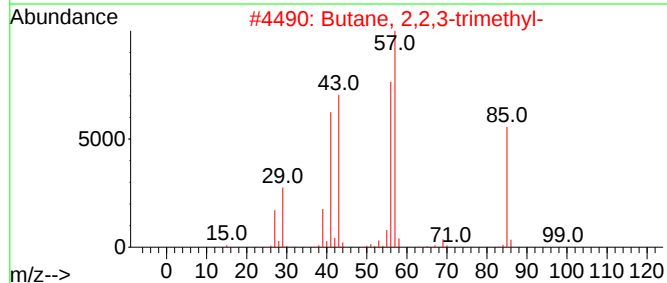
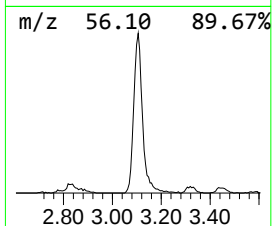
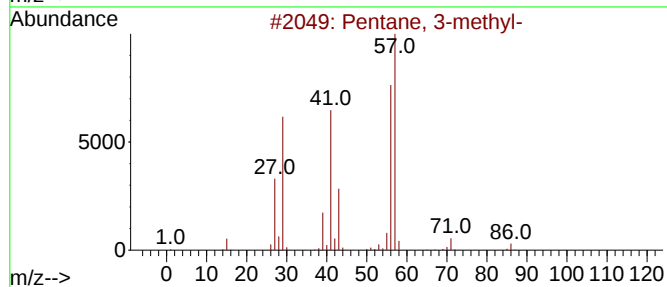
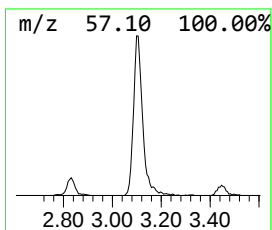
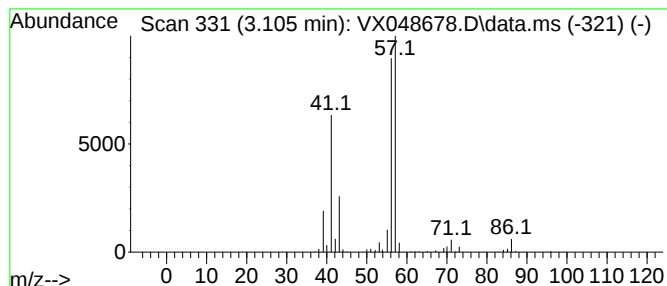
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

Peak Number 5 Pentane, 3-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.105	16.37 ug/l	205427	Pentafluorobenzene	5.538

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Butane, 2,2,3-trimethyl-	100	C7H16	000464-06-2	78
3			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	72
4			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
5			Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

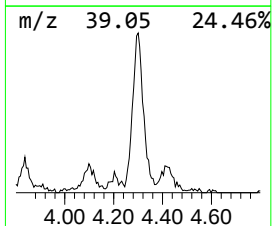
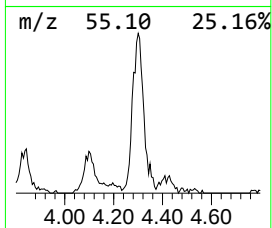
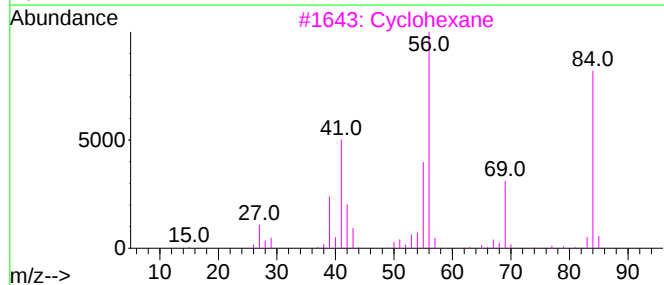
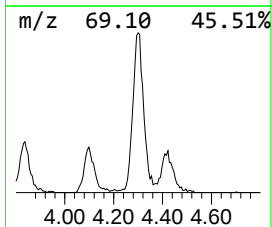
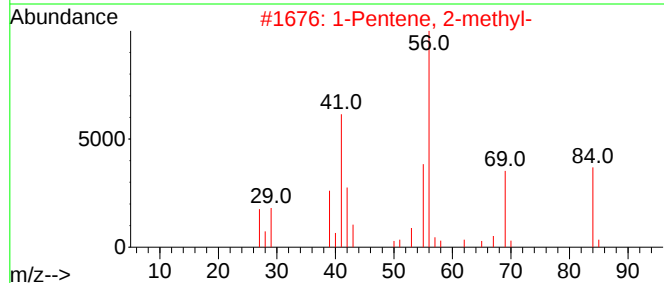
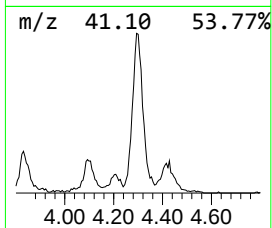
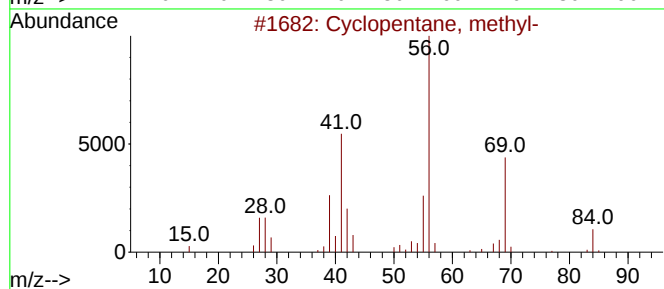
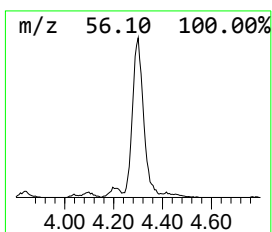
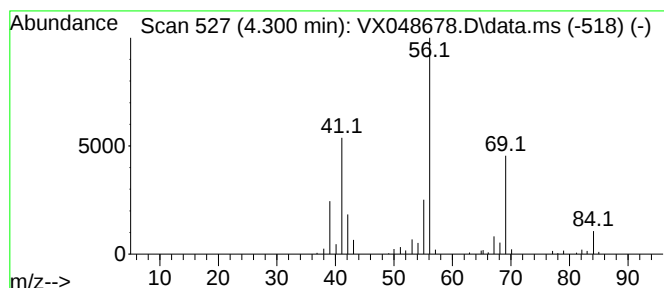
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

Peak Number 6 Cyclopentane, methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.300	16.70 ug/l	209621	Pentafluorobenzene	5.538

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	72
3			Cyclohexane	84	C6H12	000110-82-7	72
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5			1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

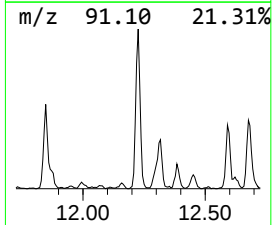
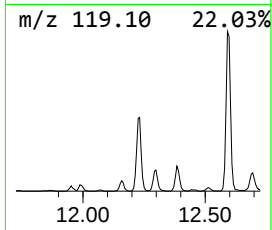
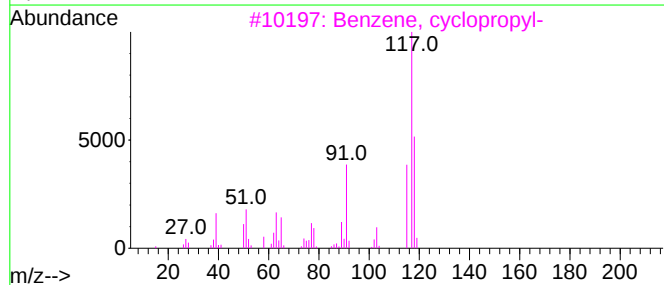
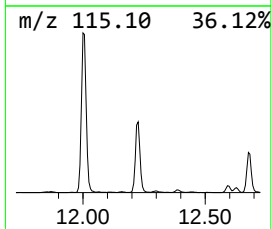
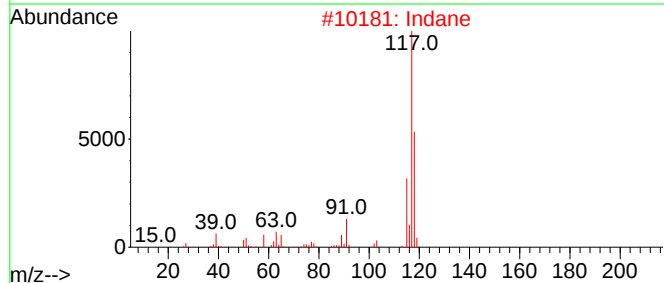
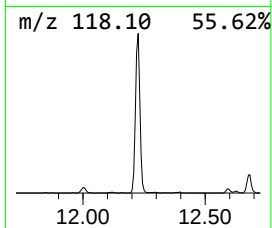
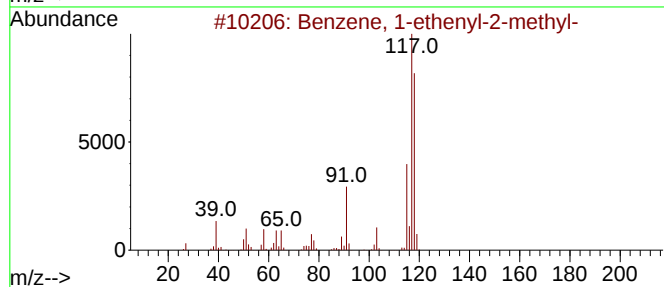
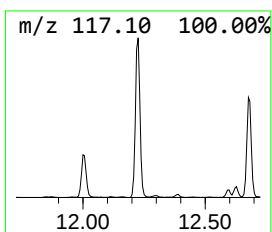
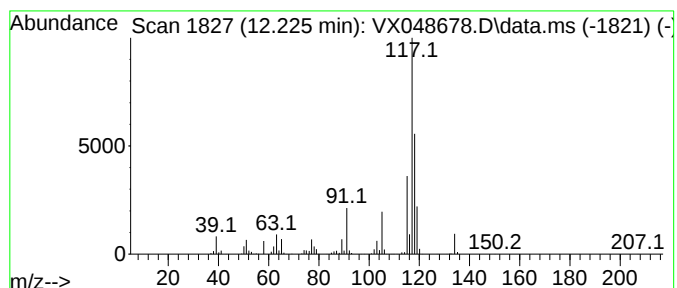
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 1-ethenyl-2-methyl- Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.226	21.90 ug/l	524551	1,4-Dichlorobenzene-d4	12.006

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-2-methyl-	118	C9H10	000611-15-4	86
2		Indane	118	C9H10	000496-11-7	70
3		Benzene, cyclopropyl-	118	C9H10	000873-49-4	64
4		Benzene, 2-propenyl-	118	C9H10	000300-57-2	64
5		Benzene, 1-propenyl-	118	C9H10	000637-50-3	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

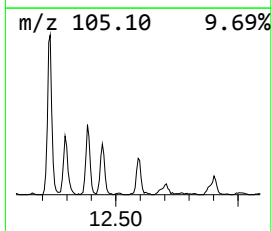
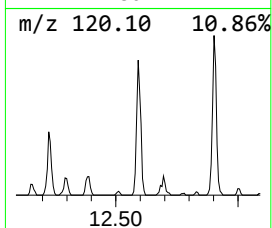
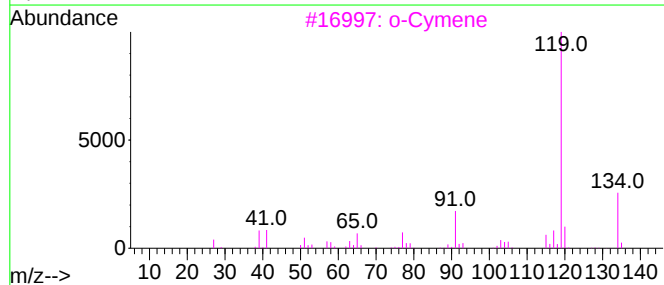
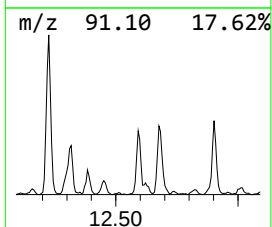
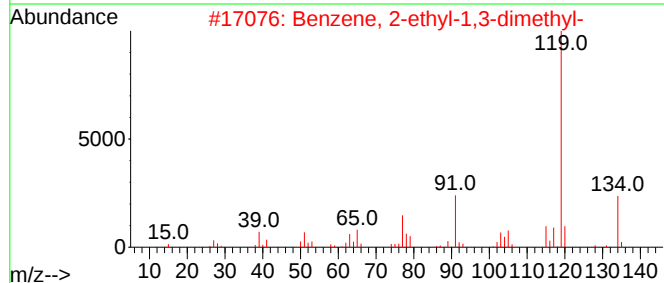
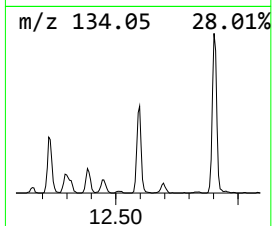
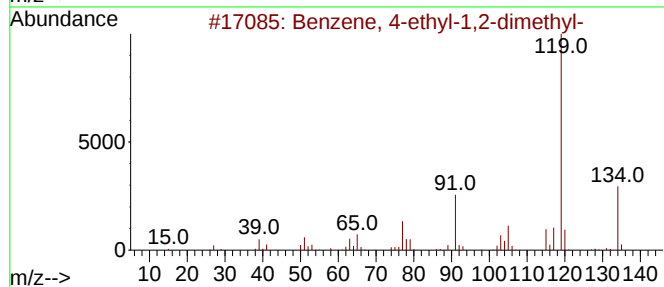
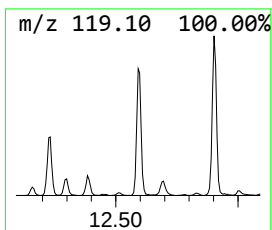
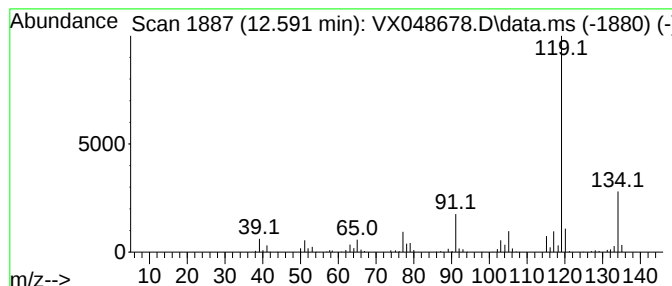
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Quant Title : SW846 8260

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

Peak Number 11 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.591	7.62 ug/l	182488	1,4-Dichlorobenzene-d4	12.006

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2		Benzene, 2-ethyl-1,3-dimethyl-	134	C10H14	002870-04-4	95
3		o-Cymene	134	C10H14	000527-84-4	95
4		p-Cymene	134	C10H14	000099-87-6	95
5		Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

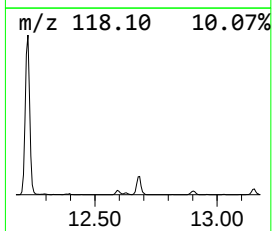
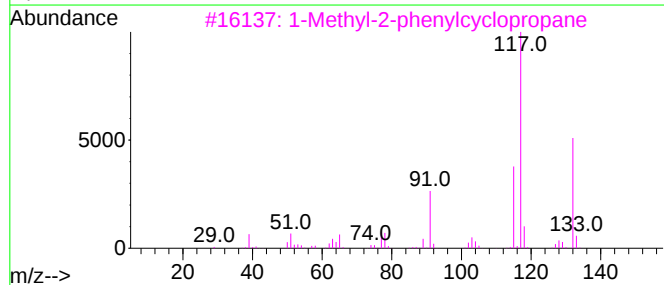
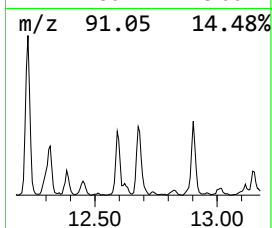
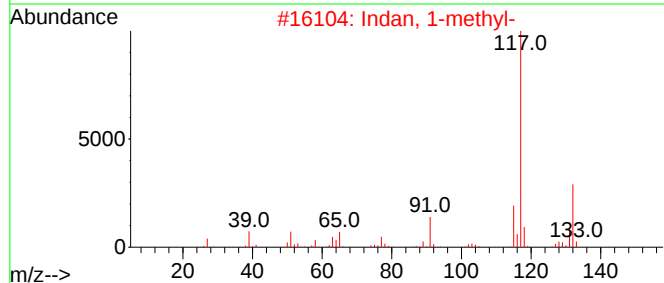
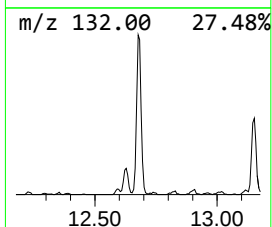
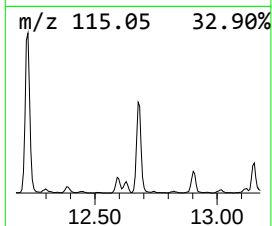
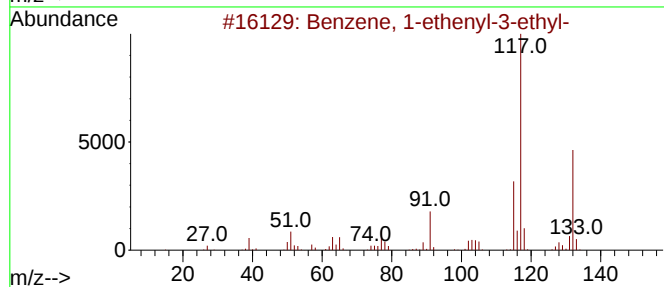
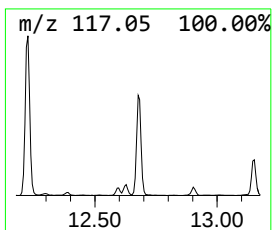
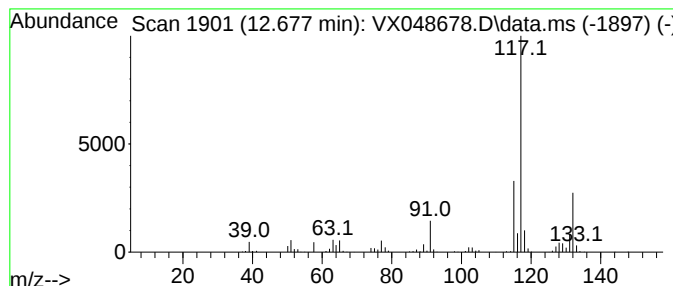
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 1-ethenyl-3-ethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.677	11.10 ug/l	265851	1,4-Dichlorobenzene-d4	12.006

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1-ethenyl-3-ethyl-	132	C10H12	007525-62-4	91
2		Indan, 1-methyl-	132	C10H12	000767-58-8	90
3		1-Methyl-2-phenylcyclopropane	132	C10H12	003145-76-4	90
4		1H-Indene, 2,3-dihydro-2-methyl-	132	C10H12	000824-63-5	83
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	80



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

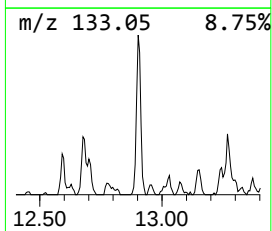
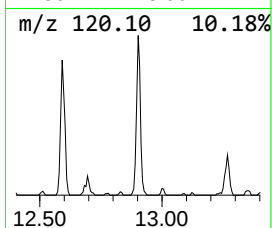
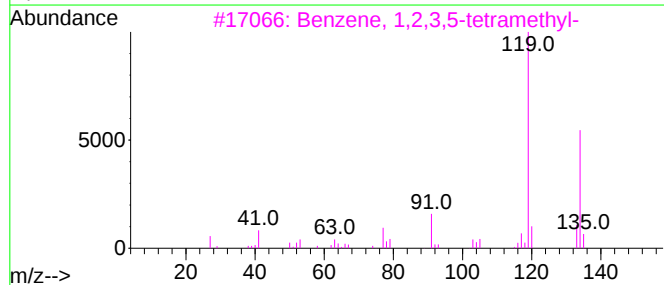
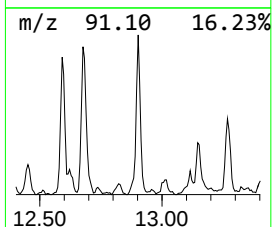
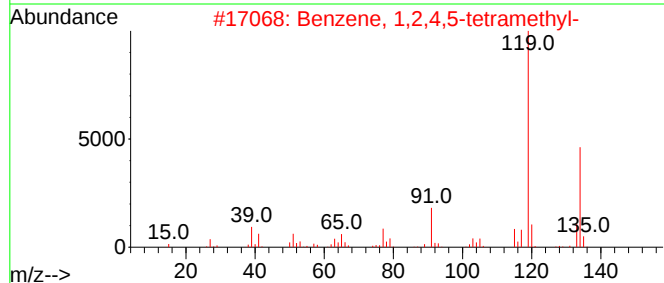
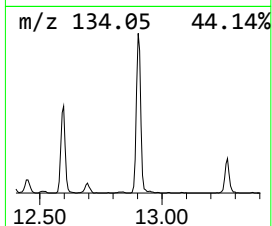
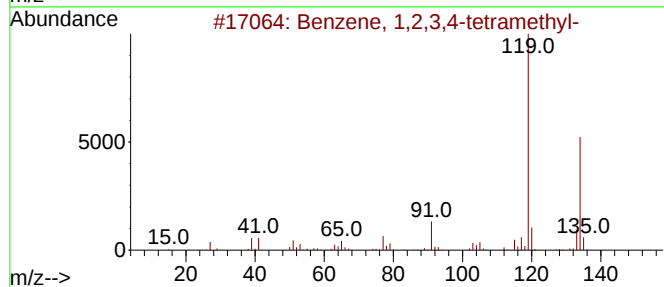
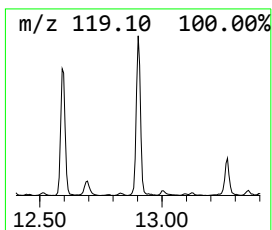
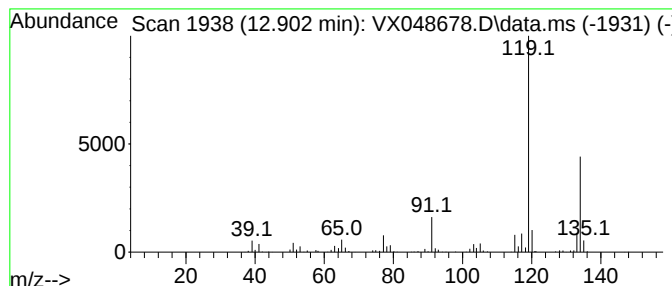
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

Peak Number 13 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
12.902	9.47 ug/l	226796	1,4-Dichlorobenzene-d4	12.006

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	97
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	97
3			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
4			Benzene, 1-ethyl-2,4-dimethyl-	134	C10H14	000874-41-9	94
5			o-Cymene	134	C10H14	000527-84-4	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

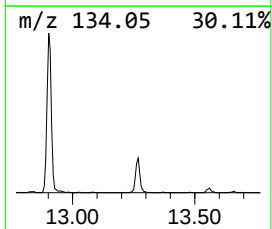
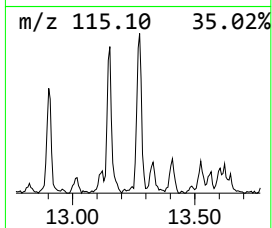
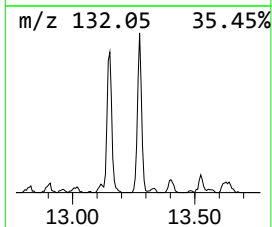
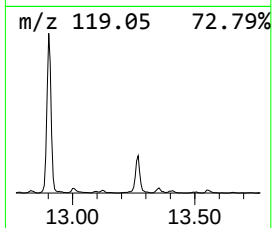
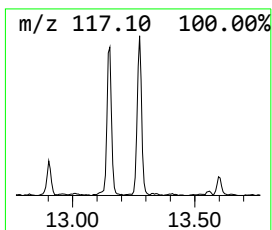
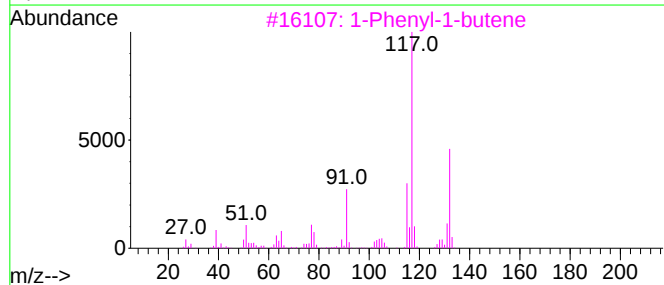
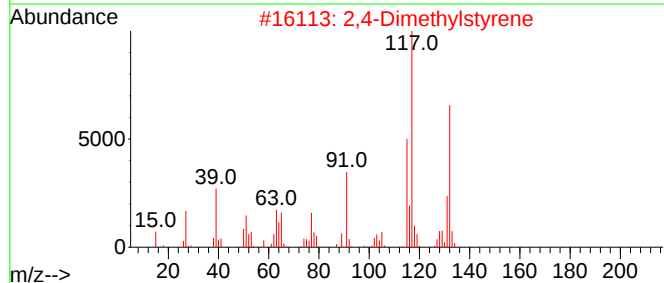
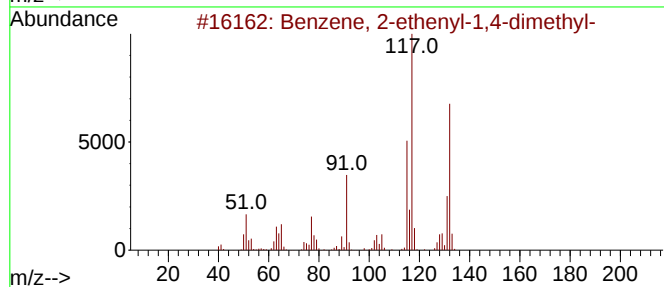
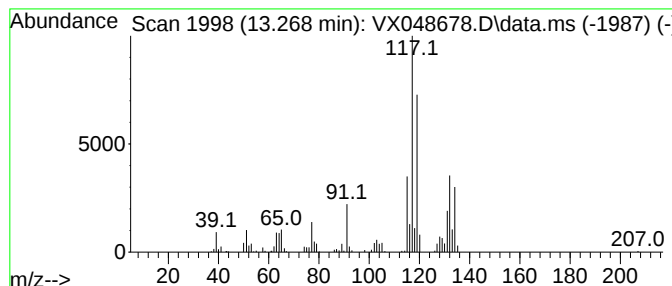
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.268	6.54 ug/l	156639	1,4-Dichlorobenzene-d4	12.006

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	90
2		2,4-Dimethylstyrene	132	C10H12	002234-20-0	90
3		1-Phenyl-1-butene	132	C10H12	000824-90-8	70
4		Benzene, 2-ethenyl-1,3-dimethyl-	132	C10H12	002039-90-9	64
5		Benzene, 1-methyl-2-(2-propenyl)-	132	C10H12	001587-04-8	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048678.D
Acq On : 25 Nov 2025 12:39
Operator : JC/MD
Sample : Q3715-01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW2

A
B
C
D
E
F
G
H
I
J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	1.758	27.8	ug/l	349046	1	5.538	627501	50.0
Butane, 2,3-dim...	2.782	8.6	ug/l	107458	1	5.538	627501	50.0
Pentane, 3-methyl-	3.105	16.4	ug/l	205427	1	5.538	627501	50.0
Cyclopentane, m...	4.300	16.7	ug/l	209621	1	5.538	627501	50.0
Benzene, 1-ethe...	12.226	21.9	ug/l	524551	4	12.006	1197510	50.0
Benzene, 4-ethy...	12.591	7.6	ug/l	182488	4	12.006	1197510	50.0
Benzene, 1-ethe...	12.677	11.1	ug/l	265851	4	12.006	1197510	50.0
Benzene, 1,2,3,...	12.902	9.5	ug/l	226796	4	12.006	1197510	50.0
Benzene, 2-ethe...	13.268	6.5	ug/l	156639	4	12.006	1197510	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088375.D
 Acq On : 01 Dec 2025 12:30
 Operator : JC\MD
 Sample : Q3715-02 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW6

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	190391	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	425302	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	411286	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.765	152	194905	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186996	52.138	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.280%			
35) Dibromofluoromethane	8.147	113	145277	49.291	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 98.580%			
50) Toluene-d8	10.541	98	547230	49.901	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.800%			
62) 4-Bromofluorobenzene	12.829	95	207102	55.040	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 110.080%			
Target Compounds					Qvalue	
25) 2-Butanone	7.471	43	20607	9.882	ug/l	99
31) Cyclohexane	8.230	56	207628	44.017	ug/l #	93
39) Methylcyclohexane	9.577	83	202004	41.518	ug/l	94
40) Benzene	8.588	78	48442	3.629	ug/l	95
52) Toluene	10.606	92	13442	1.744	ug/l	99
67) Ethyl Benzene	11.941	91	789435	48.892	ug/l	100
68) m/p-Xylenes	12.041	106	170697	28.513	ug/l	99
69) o-Xylene	12.376	106	9872m	1.730	ug/l	
73) Isopropylbenzene	12.671	105	601978	41.772	ug/l	100
78) n-propylbenzene	13.012	91	2709447m	153.684	ug/l	
80) 1,3,5-Trimethylbenzene	13.147	105	154136	12.908	ug/l	98
83) tert-Butylbenzene	13.418	119	21234	2.092	ug/l	94
84) 1,2,4-Trimethylbenzene	13.459	105	47419	3.995	ug/l	96
85) sec-Butylbenzene	13.588	105	213874	14.666	ug/l #	64
86) p-Isopropyltoluene	13.706	119	54659	4.571	ug/l	95
89) n-Butylbenzene	14.029	91	249163m	21.459	ug/l	
95) Naphthalene	15.612	128	249692	20.078	ug/l	99

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

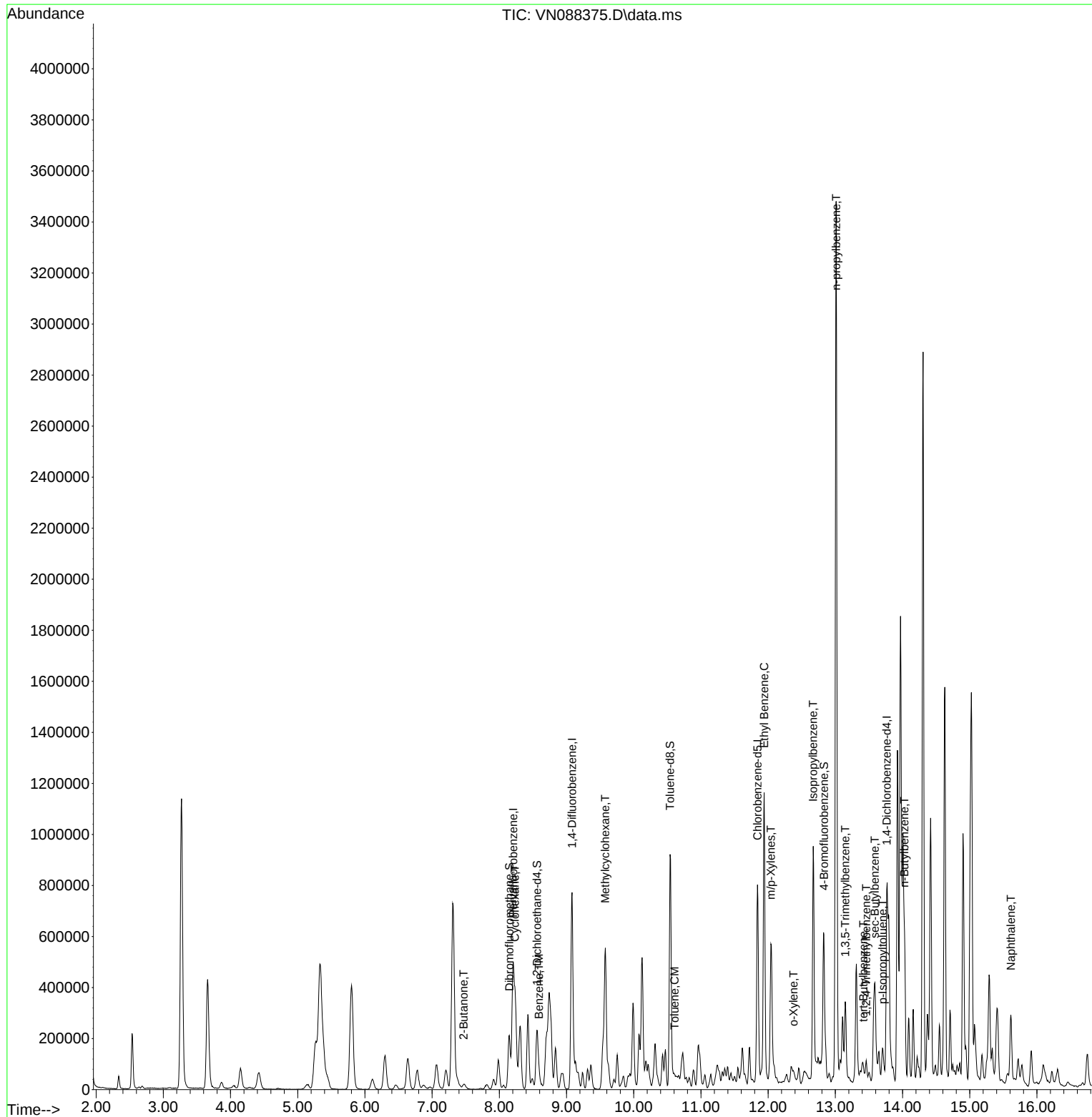
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Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

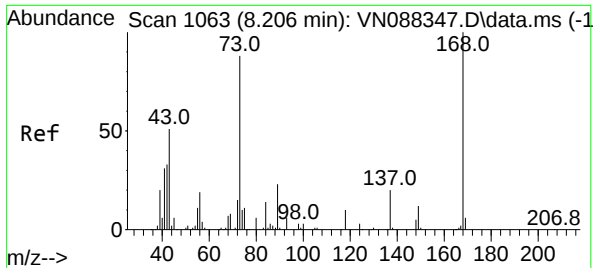
Instrument :
MSVOA_N
ClientSampleId :
MW6

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/02/2025
Supervised By : Mahesh Dadoda 12/02/2025

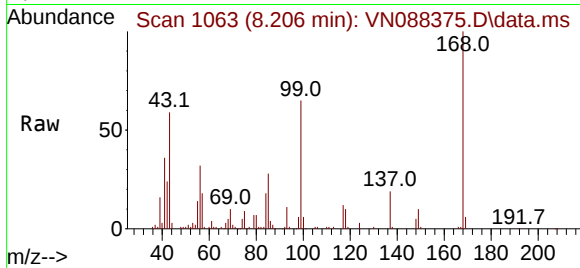
Quant Time: Dec 02 00:11:52 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

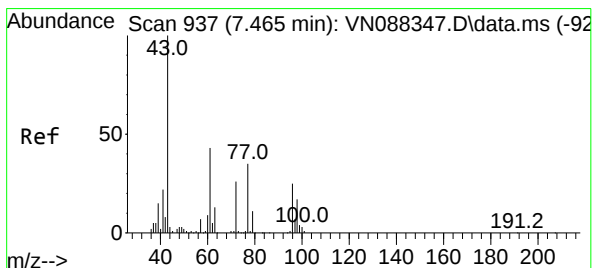
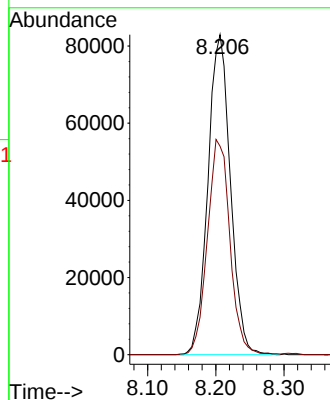
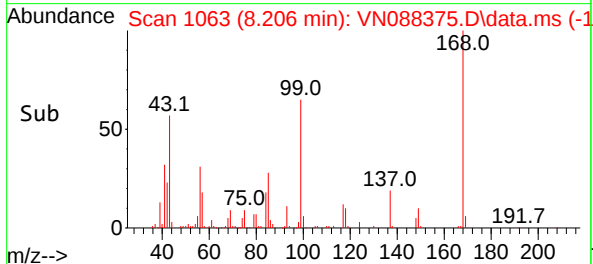
Instrument :
MSVOA_N
ClientSampleId :
MW6



Tgt Ion:168 Resp: 19039
Ion Ratio Lower Upper
168 100
99 64.9 57.1 85.7

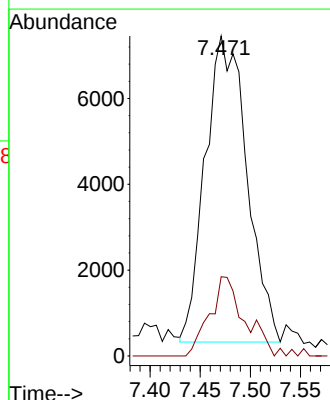
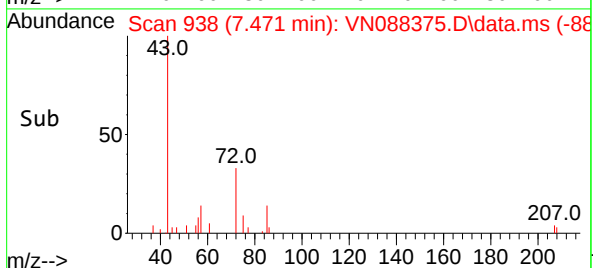
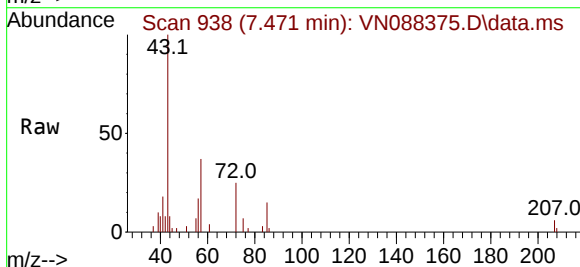
Manual Integrations
APPROVED

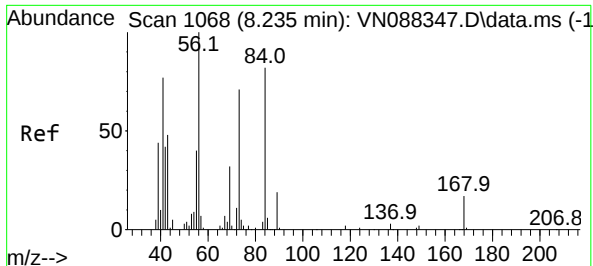
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#25
2-Butanone
Concen: 9.882 ug/l
RT: 7.471 min Scan# 938
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 43 Resp: 20607
Ion Ratio Lower Upper
43 100
72 25.9 20.5 30.7





#31

Cyclohexane

Concen: 44.017 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6

Tgt Ion: 56 Resp: 207628

Ion Ratio Lower Upper

56 100

69 41.1 25.3 37.9

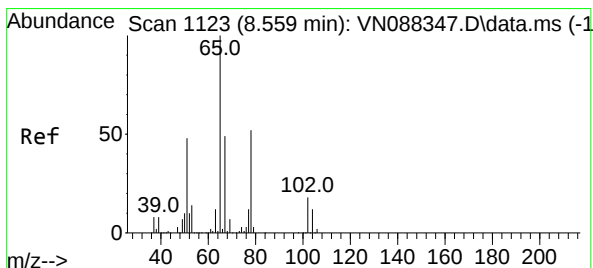
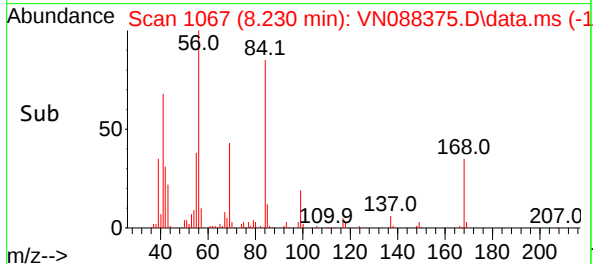
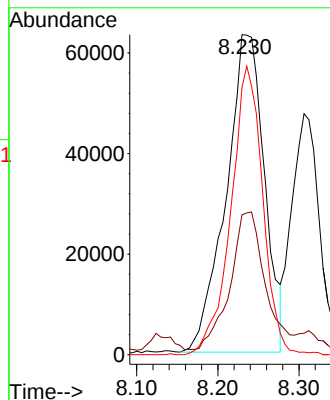
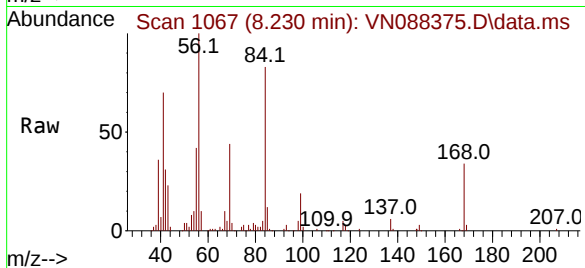
84 84.1 65.4 98.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#33

1,2-Dichloroethane-d4

Concen: 52.138 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088375.D

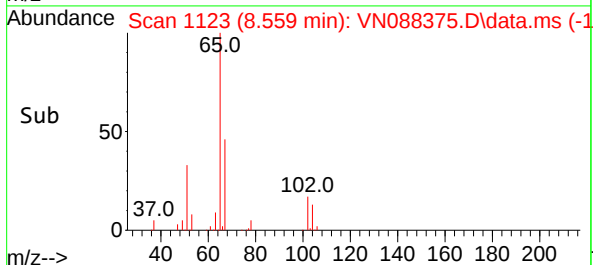
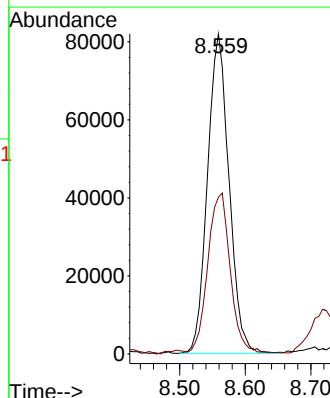
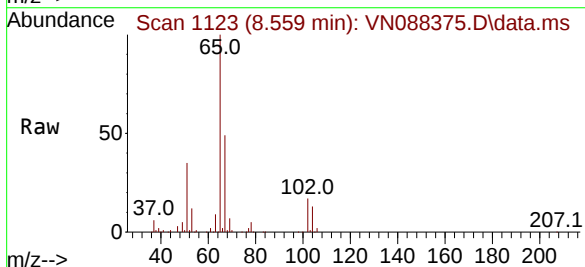
Acq: 01 Dec 2025 12:30

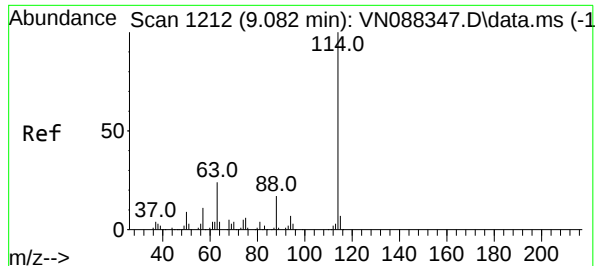
Tgt Ion: 65 Resp: 186996

Ion Ratio Lower Upper

65 100

67 51.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1114

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6

Tgt Ion:114 Resp: 425302

Ion Ratio Lower Upper

114 100

63 21.5 0.0 49.0

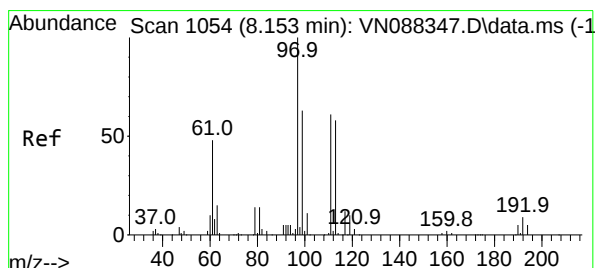
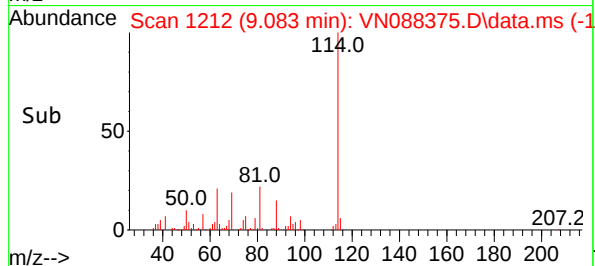
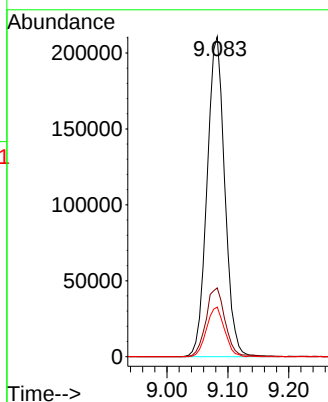
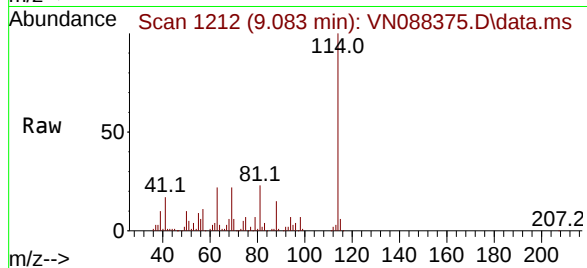
88 15.5 0.0 34.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#35

Dibromofluoromethane

Concen: 49.291 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

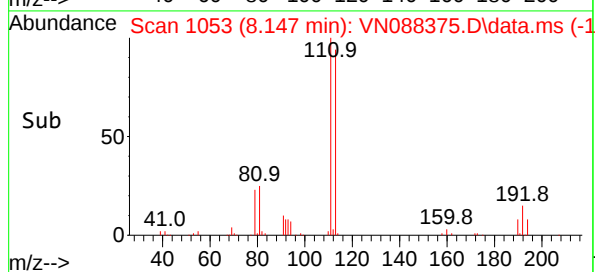
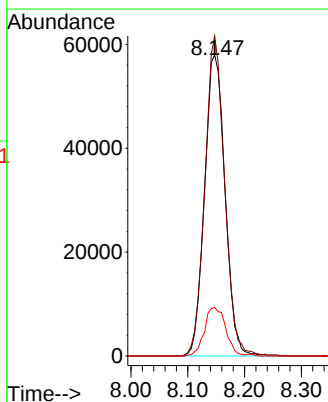
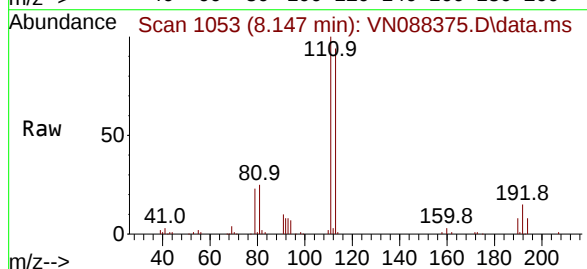
Tgt Ion:113 Resp: 145277

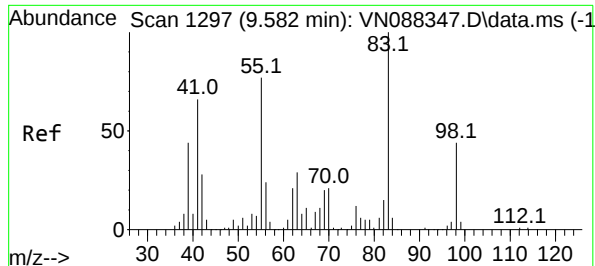
Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 16.6 12.8 19.2





#39

Methylcyclohexane

Concen: 41.518 ug/l

RT: 9.577 min Scan# 1129

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6

Tgt Ion: 83 Resp: 202004

Ion Ratio Lower Upper

83 100

55 83.4 61.6 92.4

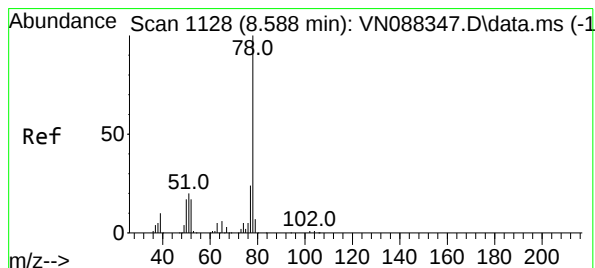
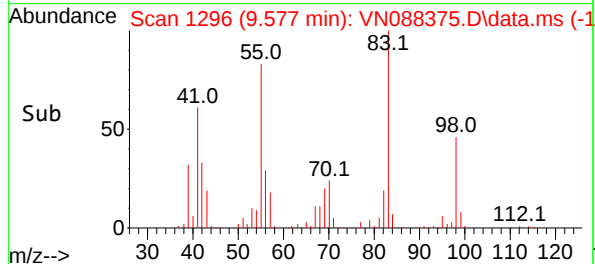
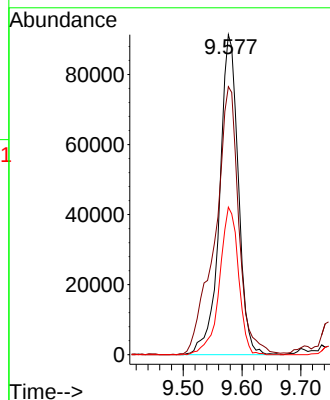
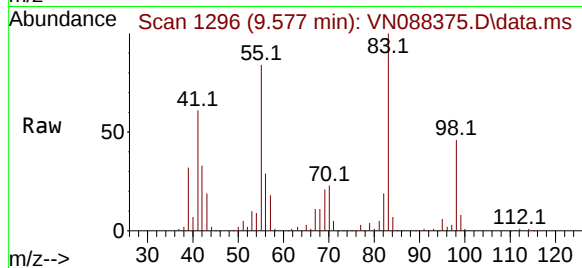
98 46.1 35.3 52.9

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#40

Benzene

Concen: 3.629 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. 0.000 min

Lab File: VN088375.D

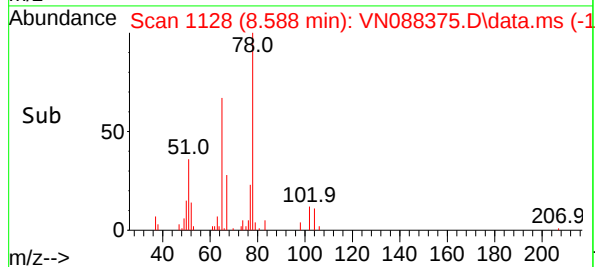
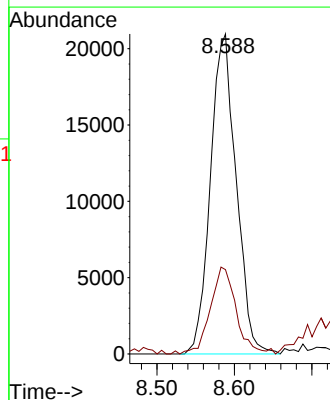
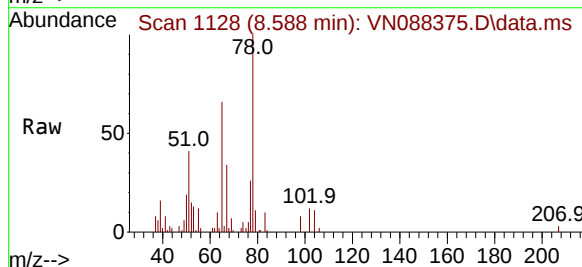
Acq: 01 Dec 2025 12:30

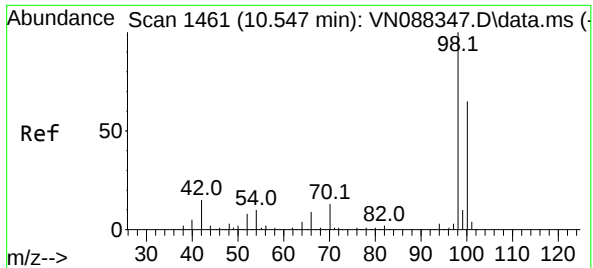
Tgt Ion: 78 Resp: 48442

Ion Ratio Lower Upper

78 100

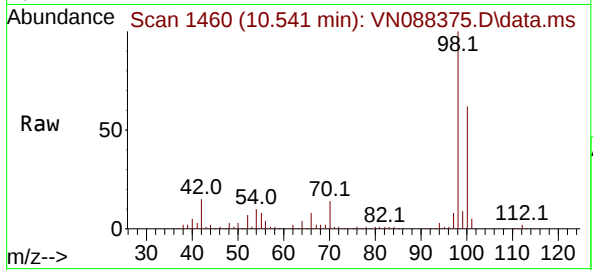
77 26.3 19.0 28.4





#50
Toluene-d8
Concen: 49.901 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

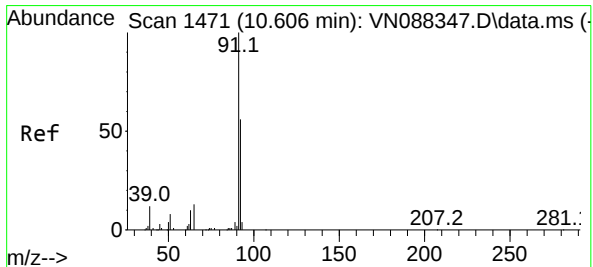
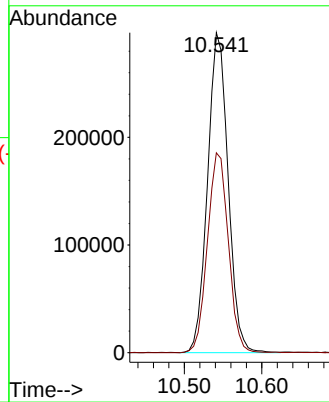
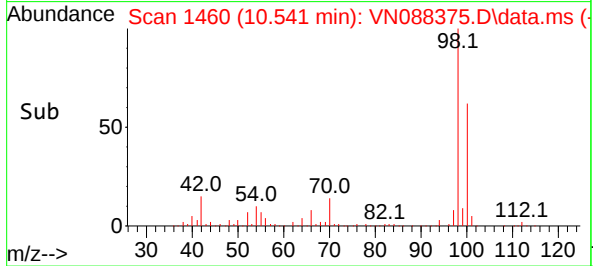
Instrument :
MSVOA_N
ClientSampleId :
MW6



Tgt Ion: 98 Resp: 547230
Ion Ratio Lower Upper
98 100
100 63.5 52.2 78.2

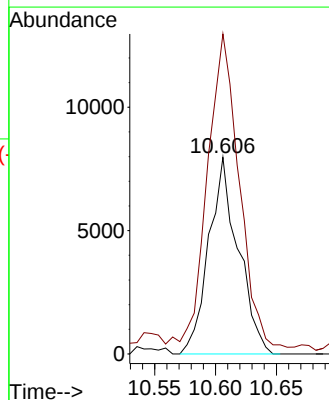
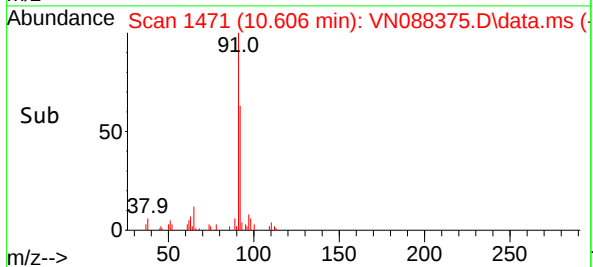
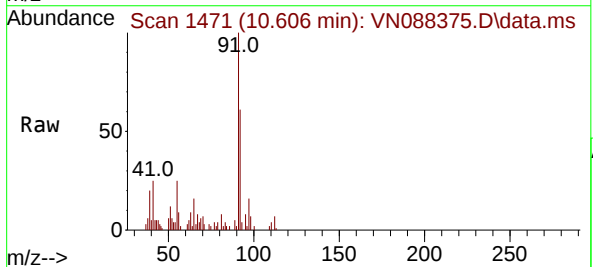
Manual Integrations
APPROVED

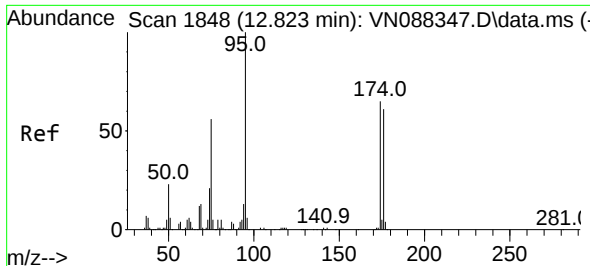
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#52
Toluene
Concen: 1.744 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

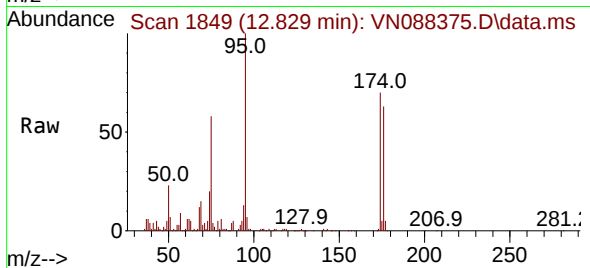
Tgt Ion: 92 Resp: 13442
Ion Ratio Lower Upper
92 100
91 174.3 140.2 210.2





#62
4-Bromofluorobenzene
Concen: 55.040 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

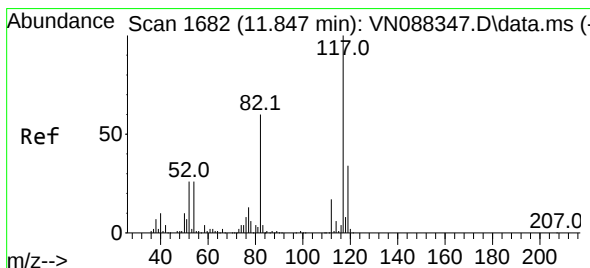
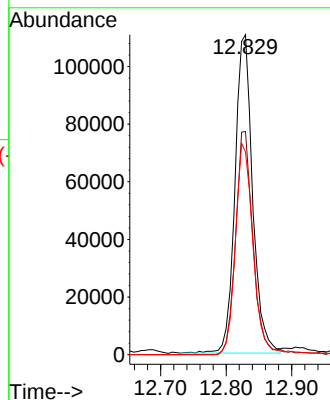
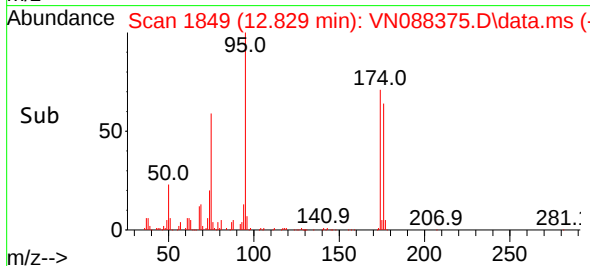
Instrument :
MSVOA_N
ClientSampleId :
MW6



Tgt Ion: 95 Resp: 207102
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 67.3 0.0 132.4

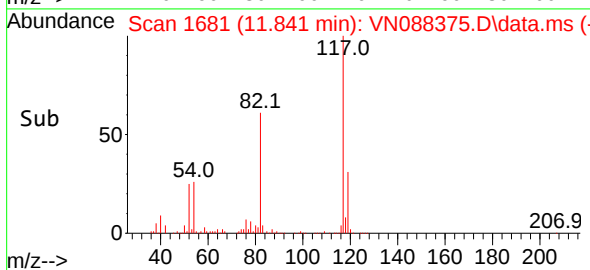
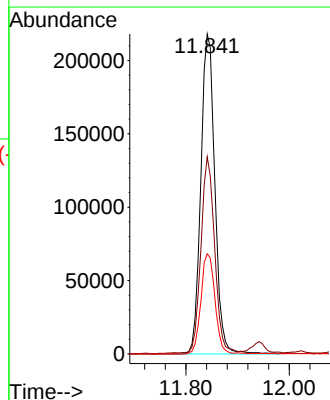
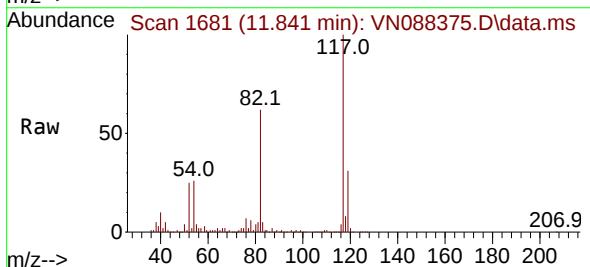
Manual Integrations
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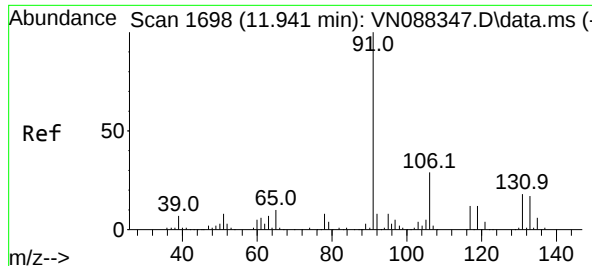
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:117 Resp: 411286
Ion Ratio Lower Upper
117 100
82 61.2 47.8 71.8
119 31.3 26.9 40.3





#67

Ethyl Benzene

Concen: 48.892 ug/l

RT: 11.941 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6

Tgt Ion: 91 Resp: 78943

Ion Ratio Lower Upper

91 100

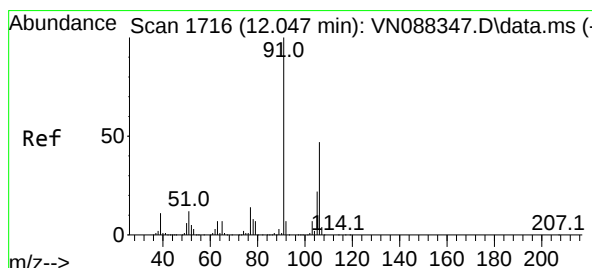
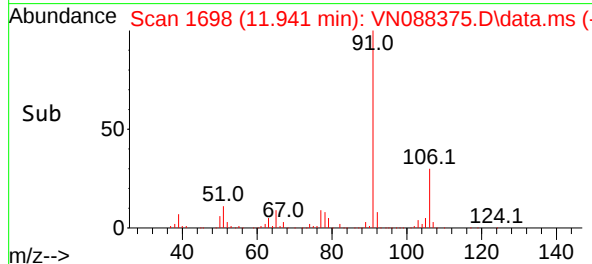
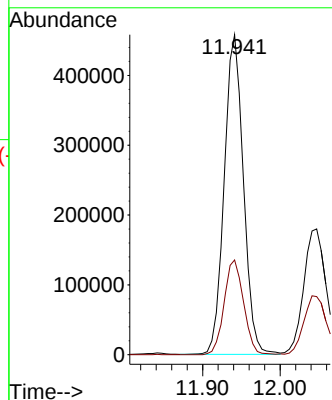
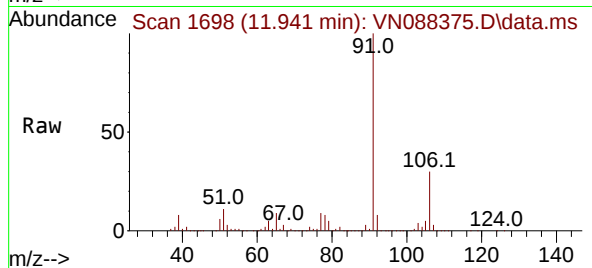
106 29.6 23.6 35.4

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#68

m/p-Xylenes

Concen: 28.513 ug/l

RT: 12.041 min Scan# 1715

Delta R.T. -0.006 min

Lab File: VN088375.D

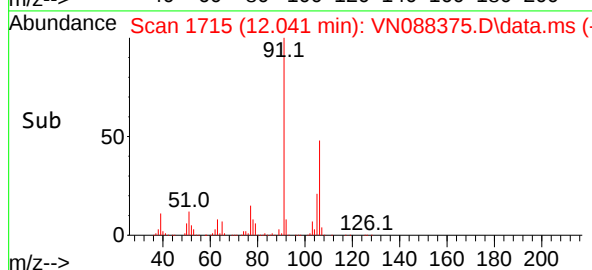
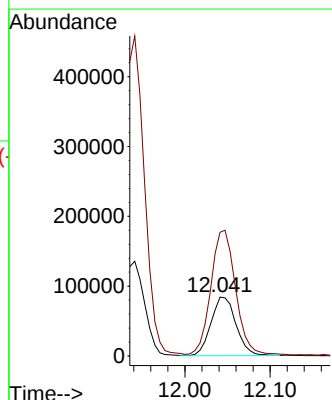
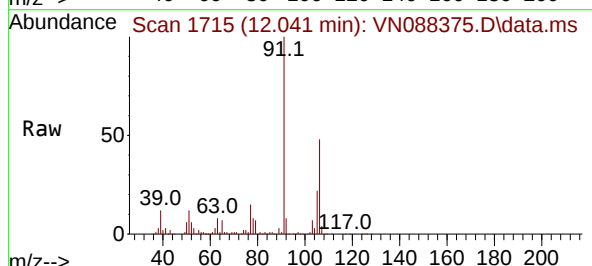
Acq: 01 Dec 2025 12:30

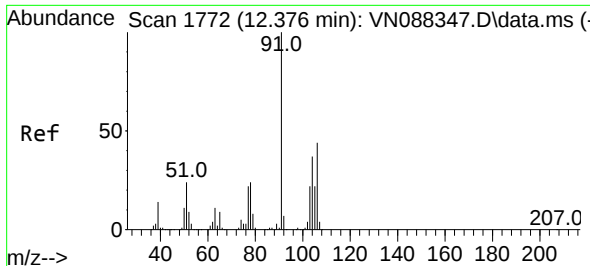
Tgt Ion:106 Resp: 170697

Ion Ratio Lower Upper

106 100

91 211.0 167.8 251.6





#69

o-Xylene

Concen: 1.730 ug/l m

RT: 12.376 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6

Tgt Ion:106 Resp: 9872

Ion Ratio Lower Upper

106 100

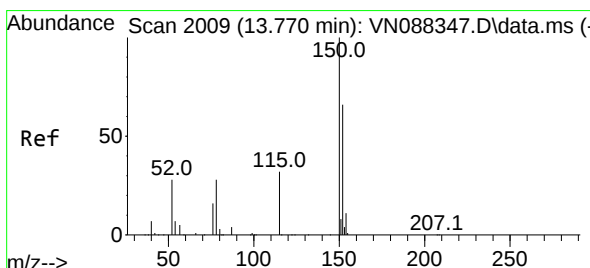
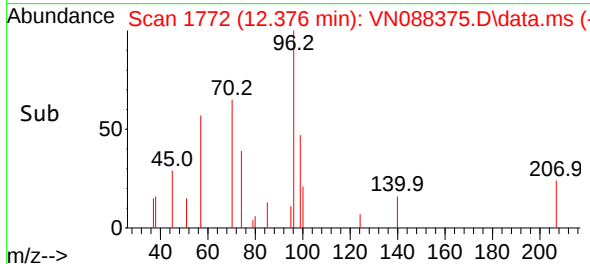
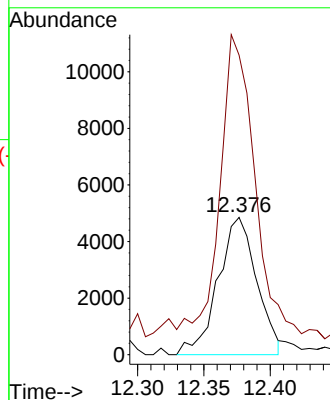
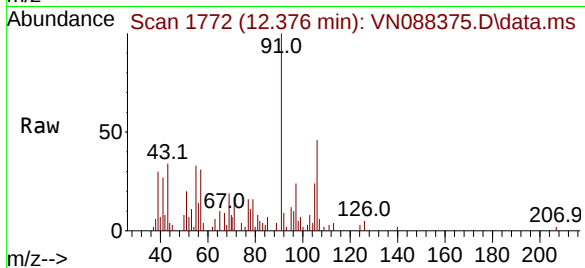
91 0.0 112.9 338.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.765 min Scan# 2008

Delta R.T. -0.006 min

Lab File: VN088375.D

Acq: 01 Dec 2025 12:30

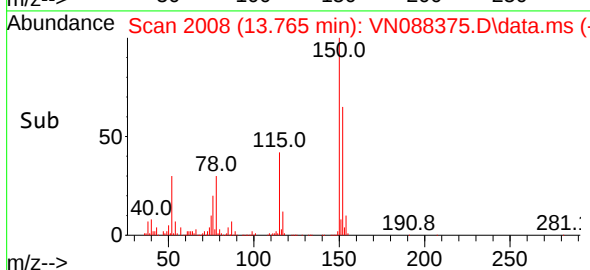
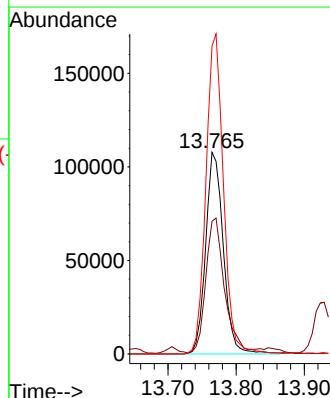
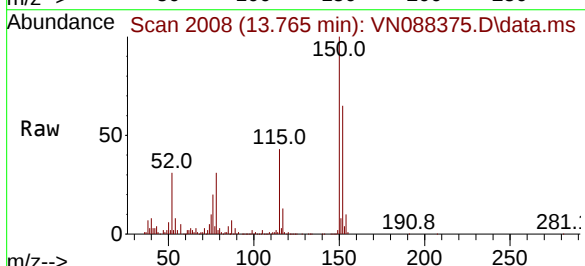
Tgt Ion:152 Resp: 194905

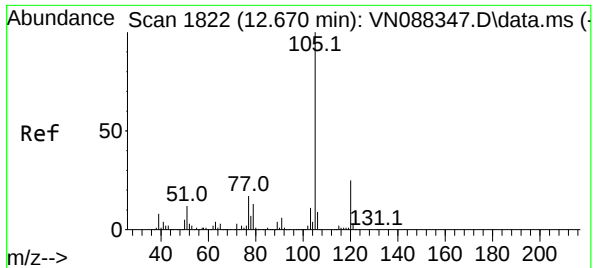
Ion Ratio Lower Upper

152 100

115 70.4 33.0 98.9

150 157.4 0.0 349.0





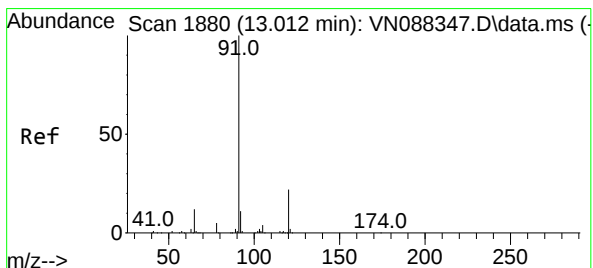
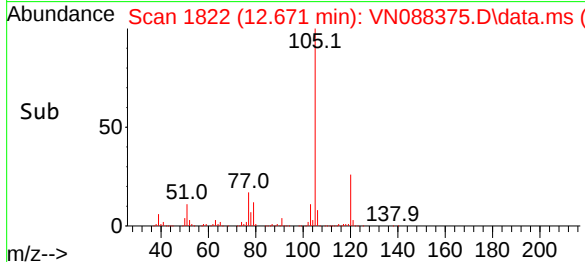
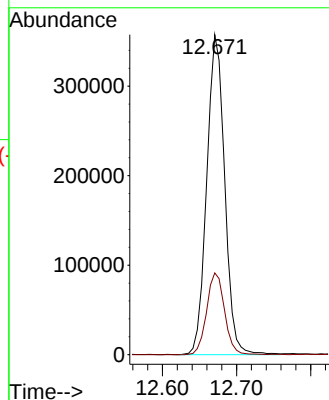
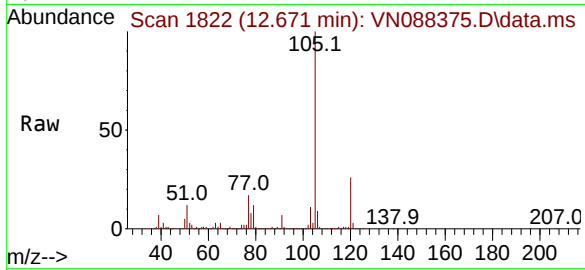
#73
Isopropylbenzene
Concen: 41.772 ug/l
RT: 12.671 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW6

Tgt Ion:105 Resp: 601978
Ion Ratio Lower Upper
105 100
120 25.5 12.8 38.3

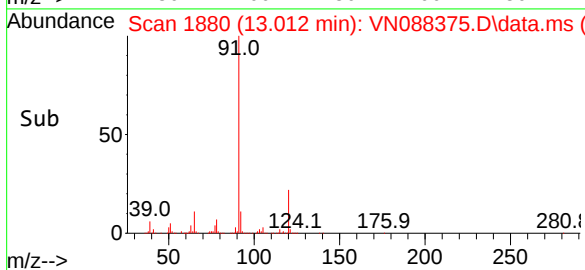
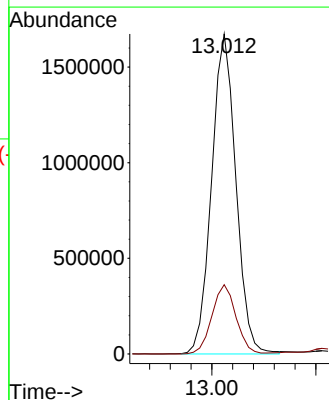
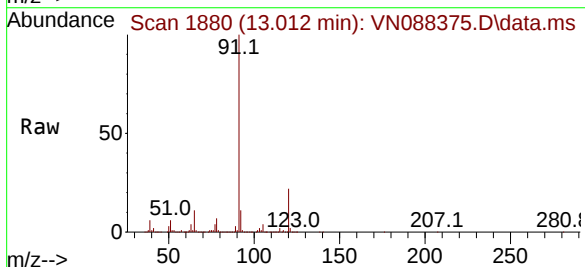
Manual Integrations
APPROVED

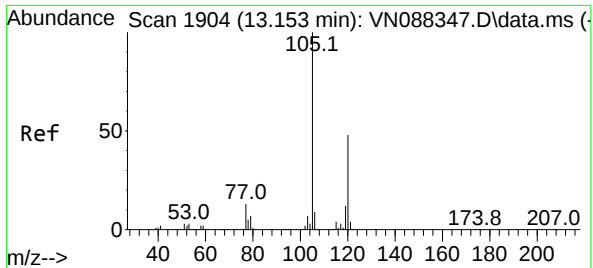
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#78
n-propylbenzene
Concen: 153.684 ug/l m
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 91 Resp: 2709447
Ion Ratio Lower Upper
91 100
120 0.0 10.9 32.6#





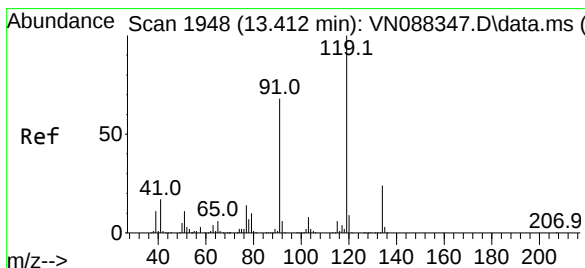
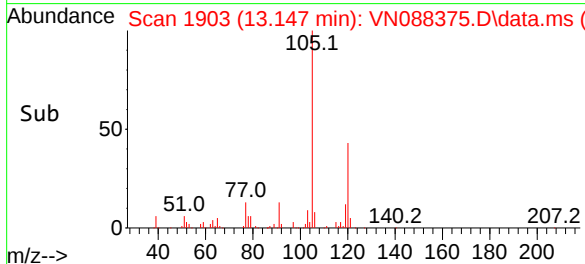
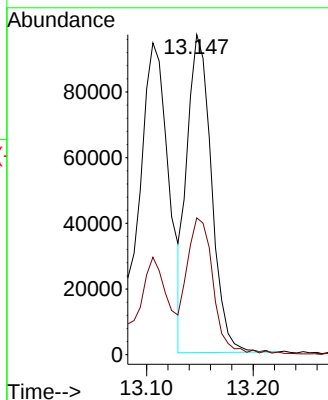
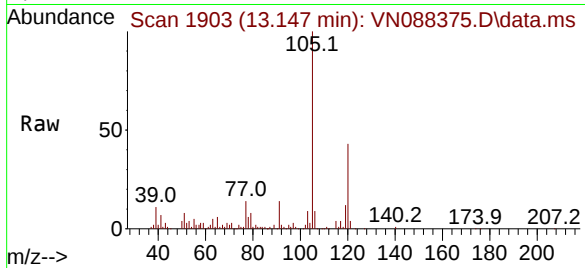
#80
1,3,5-Trimethylbenzene
Concen: 12.908 ug/l
RT: 13.147 min Scan# 1904
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW6

Tgt Ion:105 Resp: 15413
Ion Ratio Lower Upper
105 100
120 46.2 23.8 71.5

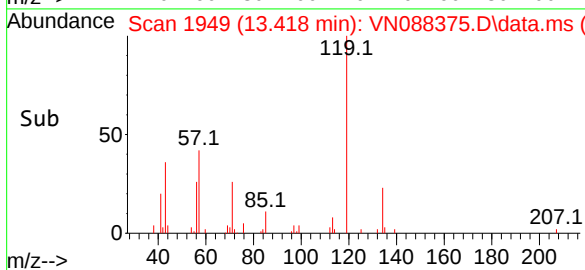
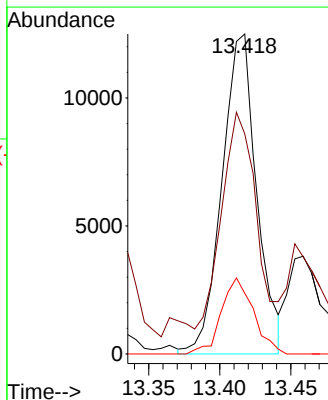
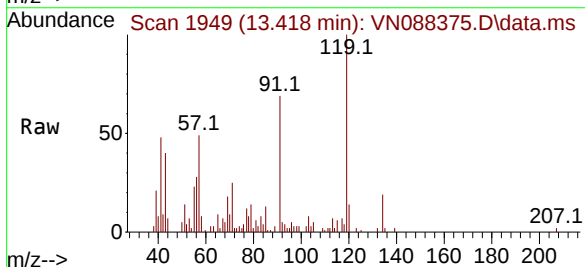
Manual Integrations
APPROVED

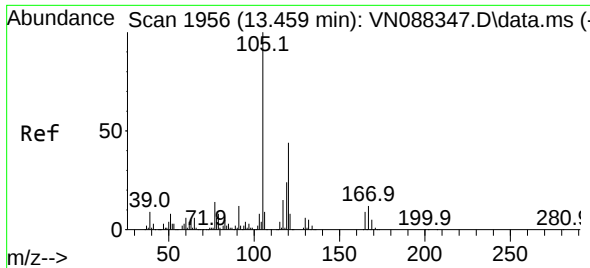
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#83
tert-Butylbenzene
Concen: 2.092 ug/l
RT: 13.418 min Scan# 1949
Delta R.T. 0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:119 Resp: 21234
Ion Ratio Lower Upper
119 100
91 65.9 35.1 105.3
134 22.0 12.8 38.4





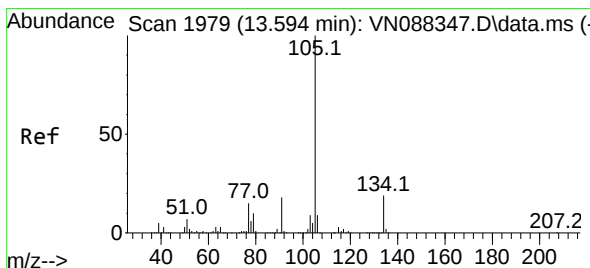
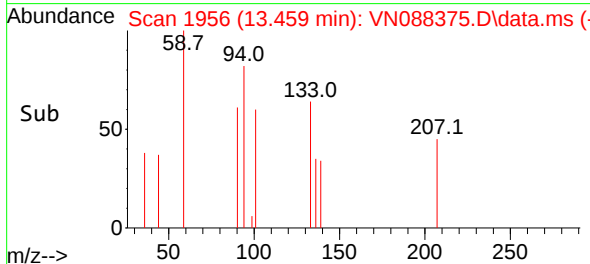
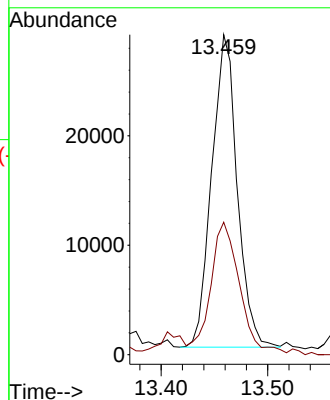
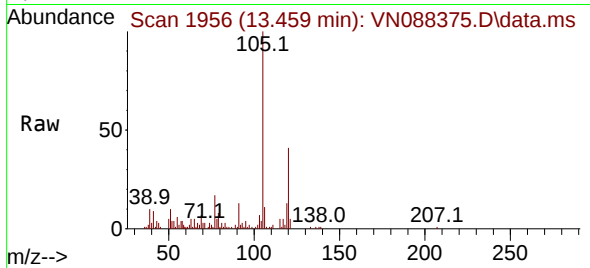
#84
1,2,4-Trimethylbenzene
Concen: 3.995 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW6

Tgt Ion:105 Resp: 47419
Ion Ratio Lower Upper
105 100
120 46.6 22.1 66.1

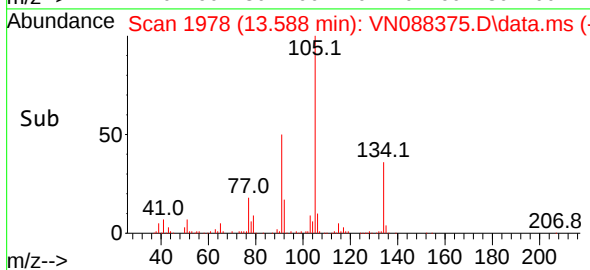
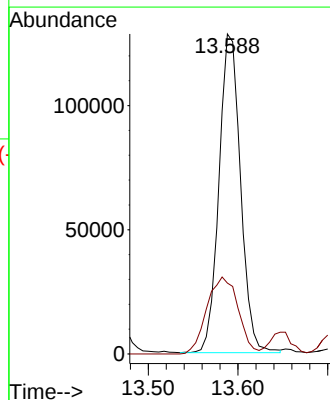
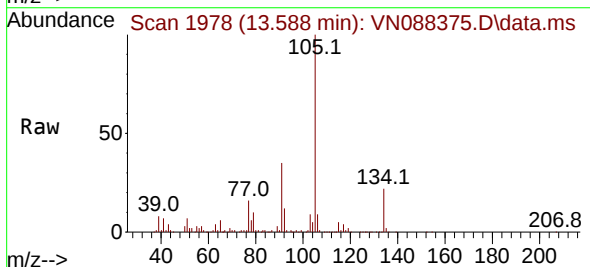
Manual Integrations
APPROVED

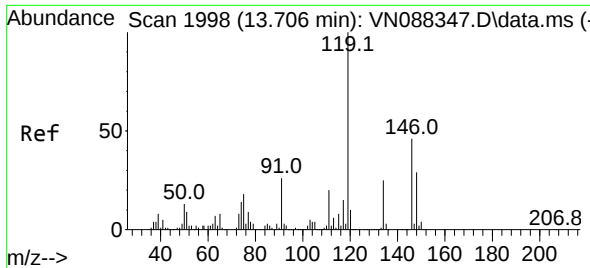
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#85
sec-Butylbenzene
Concen: 14.666 ug/l
RT: 13.588 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion:105 Resp: 213874
Ion Ratio Lower Upper
105 100
134 35.1 9.5 28.5#





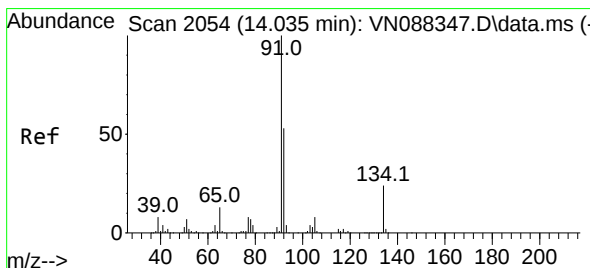
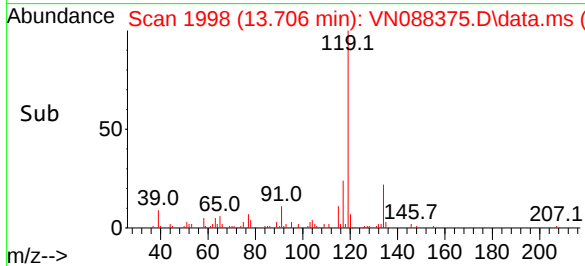
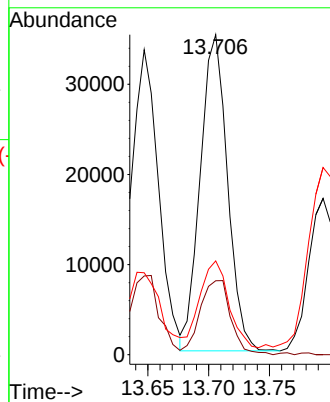
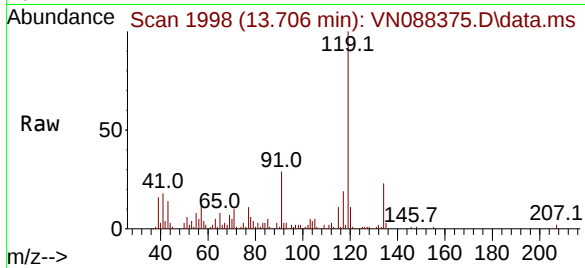
#86
p-Isopropyltoluene
Concen: 4.571 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Instrument :
MSVOA_N
ClientSampleId :
MW6

Tgt Ion: 119 Resp: 54659
Ion Ratio Lower Upper
119 100
134 26.4 12.2 36.6
91 29.0 13.0 39.0

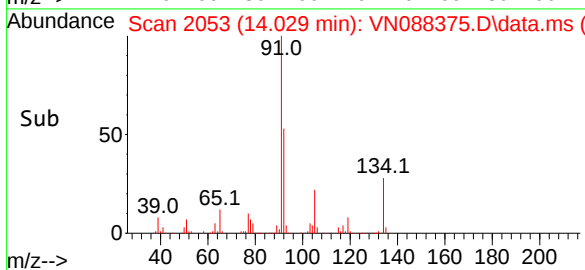
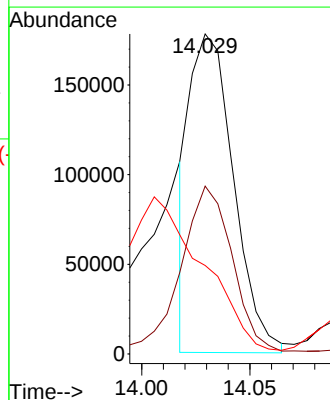
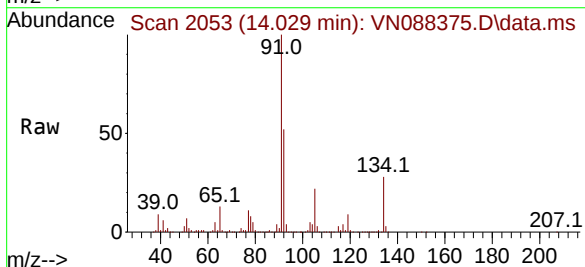
Manual Integrations
APPROVED

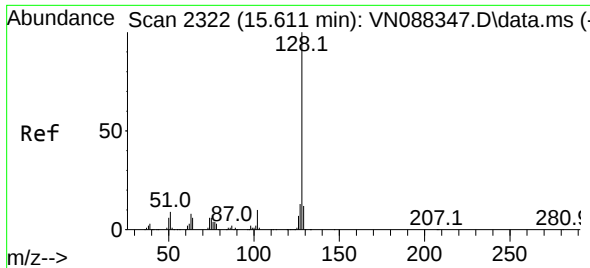
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#89
n-Butylbenzene
Concen: 21.459 ug/l m
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088375.D
Acq: 01 Dec 2025 12:30

Tgt Ion: 91 Resp: 249163
Ion Ratio Lower Upper
91 100
92 60.6 26.1 78.3
134 0.0 11.7 35.1#





#95

Naphthalene

Concen: 20.078 ug/l

RT: 15.612 min Scan# 21

Delta R.T. 0.000 min

Lab File: VN088375.D

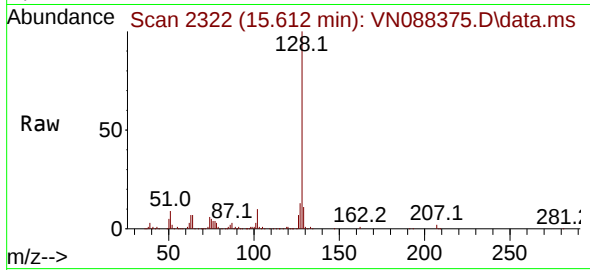
Acq: 01 Dec 2025 12:30

Instrument :

MSVOA_N

ClientSampleId :

MW6



Tgt Ion:128 Resp: 249692

Ion Ratio Lower Upper

128 100

127 13.5 10.4 15.6

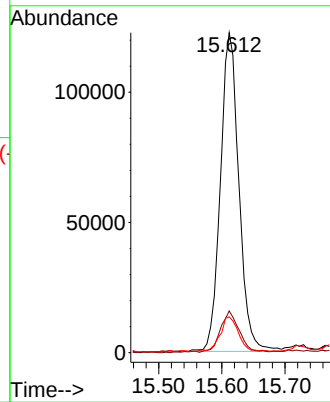
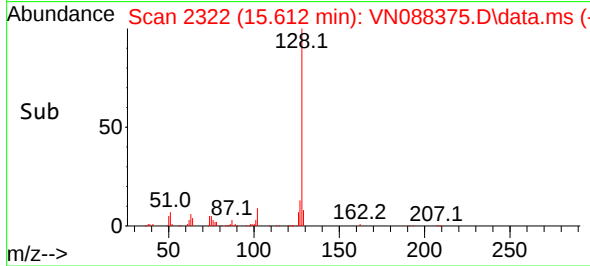
129 10.7 9.0 13.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M

Title : SW846 8260

Signal : TIC: VN088375.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.336	59	65	73	rBV	49016	81631	1.48%	0.106%
2	2.536	88	99	110	rBV	216373	397950	7.20%	0.515%
3	3.271	213	224	244	rBV	1135005	2789567	50.47%	3.609%
4	3.659	278	290	301	rBV	427616	1134413	20.52%	1.468%
5	4.148	364	373	387	rVB2	78361	223665	4.05%	0.289%
6	4.424	407	420	432	rVB3	62523	218919	3.96%	0.283%
7	5.271	550	564	565	rBV2	183301	482816	8.73%	0.625%
8	5.330	567	574	603	rVB4	488617	2350831	42.53%	3.042%
9	5.800	641	654	673	rBV	406003	1413570	25.57%	1.829%
10	6.112	694	707	719	rBV4	40374	134068	2.43%	0.173%
11	6.300	724	739	754	rBV3	132805	412276	7.46%	0.533%
12	6.642	785	797	809	rVB2	118765	370380	6.70%	0.479%
13	6.783	809	821	830	rBV3	73818	224155	4.06%	0.290%
14	7.065	859	869	884	rVV3	92009	284695	5.15%	0.368%
15	7.206	884	893	900	rVV2	72174	211374	3.82%	0.273%
16	7.306	900	910	932	rVV	726315	2224361	40.24%	2.878%
17	7.912	1005	1013	1018	rBV3	37515	92836	1.68%	0.120%
18	7.983	1018	1025	1034	rVB2	108658	265040	4.79%	0.343%
19	8.147	1044	1053	1057	rBV	205789	511132	9.25%	0.661%
20	8.206	1057	1063	1075	rVV3	488654	1857225	33.60%	2.403%
21	8.312	1075	1081	1091	rVB2	244861	622216	11.26%	0.805%
22	8.424	1091	1100	1107	rBV	290860	659081	11.92%	0.853%
23	8.559	1116	1123	1138	rVB4	217586	595118	10.77%	0.770%
24	8.741	1138	1154	1165	rBV3	366039	1697426	30.71%	2.196%
25	8.836	1165	1170	1178	rVB2	154684	350070	6.33%	0.453%
26	8.924	1178	1185	1186	rBV	55072	86519	1.57%	0.112%
27	9.083	1202	1212	1219	rBV3	769091	1805879	32.67%	2.337%
28	9.235	1233	1238	1245	rVB	60313	110346	2.00%	0.143%
29	9.312	1245	1251	1255	rVV2	75556	154077	2.79%	0.199%
30	9.359	1255	1259	1270	rVB	94001	211500	3.83%	0.274%
31	9.577	1277	1296	1312	rBV4	553615	1760735	31.85%	2.278%
32	9.753	1321	1326	1332	rVB2	122812	230763	4.17%	0.299%
33	9.847	1332	1342	1347	rVB5	42746	102141	1.85%	0.132%
34	9.988	1360	1366	1375	rVB	320230	660944	11.96%	0.855%
35	10.077	1375	1381	1384	rBV	197766	358370	6.48%	0.464%
36	10.124	1384	1389	1395	rVV2	479683	1001025	18.11%	1.295%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260

37	10.182	1395	1399	1402	rVV3	70739	132347	2.39%	0.171%
38	10.212	1402	1404	1413	rVB3	82220	153051	2.77%	0.198%
39	10.318	1413	1422	1434	rVB3	165368	431630	7.81%	0.558%
40	10.430	1434	1441	1444	rBV	122921	229449	4.15%	0.297%
41	10.471	1444	1448	1453	rVB2	141056	239068	4.33%	0.309%
42	10.541	1453	1460	1468	rBV	905373	1757655	31.80%	2.274%
43	10.730	1484	1492	1498	rVB5	102083	237800	4.30%	0.308%
44	10.888	1514	1519	1525	rBV4	63477	130424	2.36%	0.169%
45	10.965	1525	1532	1542	rVV5	156616	451842	8.17%	0.585%
46	11.059	1542	1548	1554	rVB6	51473	108979	1.97%	0.141%
47	11.147	1554	1563	1569	rBV5	53323	123630	2.24%	0.160%
48	11.247	1569	1580	1588	rBV4	79000	295028	5.34%	0.382%
49	11.353	1595	1598	1602	rVV5	51834	91096	1.65%	0.118%
50	11.394	1602	1605	1610	rVV4	56256	90699	1.64%	0.117%
51	11.547	1627	1631	1636	rBV4	55635	91773	1.66%	0.119%
52	11.618	1636	1643	1647	rVV2	117725	225546	4.08%	0.292%
53	11.724	1655	1661	1666	rBV	142053	253824	4.59%	0.328%
54	11.841	1673	1681	1688	rBV	773847	1445384	26.15%	1.870%
55	11.941	1688	1698	1708	rVV	1126321	2012136	36.40%	2.603%
56	12.041	1708	1715	1727	rVV	529367	1171462	21.19%	1.516%
57	12.341	1761	1766	1770	rBV3	60849	123471	2.23%	0.160%
58	12.453	1781	1785	1791	rVB2	61035	109356	1.98%	0.141%
59	12.541	1791	1800	1811	rBV2	48893	215539	3.90%	0.279%
60	12.671	1815	1822	1832	rBV	910443	1667356	30.16%	2.157%
61	12.824	1842	1848	1858	rVB	570350	1204494	21.79%	1.558%
62	13.012	1873	1880	1887	rBV	3431647	5527574	100.00%	7.152%
63	13.071	1887	1890	1892	rVV	68636	101394	1.83%	0.131%
64	13.106	1892	1896	1900	rVV	238420	434652	7.86%	0.562%
65	13.147	1900	1903	1911	rVB	298409	486479	8.80%	0.629%
66	13.312	1922	1931	1938	rBV	464485	887431	16.05%	1.148%
67	13.406	1943	1947	1952	rVB2	43238	73186	1.32%	0.095%
68	13.459	1952	1956	1960	rVB	64642	92358	1.67%	0.119%
69	13.588	1968	1978	1985	rBV3	384247	1042697	18.86%	1.349%
70	13.647	1985	1988	1993	rVB	90559	135821	2.46%	0.176%
71	13.700	1993	1997	2003	rBV4	104303	202785	3.67%	0.262%
72	13.770	2003	2009	2011	rBV	736019	1289270	23.32%	1.668%
73	13.923	2029	2035	2039	rBV	1294384	2161318	39.10%	2.796%
74	13.970	2039	2043	2047	rVV	1809099	3349550	60.60%	4.334%
75	14.006	2047	2049	2059	rVB3	953712	1971377	35.66%	2.551%
76	14.088	2059	2063	2069	rVB	228004	365013	6.60%	0.472%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Sampling : 1

Start Thrs: 0.2

Stop Thrs : 0

Filtering: 5

Min Area: 3 % of largest Peak

Max Peaks: 100

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Title : SW846 8260

77	14.159	2069	2075	2081	rVB	266712	420766	7.61%	0.544%
78	14.218	2081	2085	2088	rBV	80822	126930	2.30%	0.164%
79	14.306	2093	2100	2106	rBV	2842721	4489495	81.22%	5.809%
80	14.370	2106	2111	2114	rVV	237367	413393	7.48%	0.535%
81	14.418	2114	2119	2126	rVB2	1003612	1754180	31.74%	2.270%
82	14.547	2136	2141	2147	rBV2	196767	310058	5.61%	0.401%
83	14.629	2147	2155	2163	rVB	1525597	2523833	45.66%	3.266%
84	14.706	2163	2168	2173	rBV	260461	401822	7.27%	0.520%
85	14.900	2196	2201	2206	rBV	941281	1574782	28.49%	2.038%
86	15.023	2213	2222	2228	rBV3	1514901	3540184	64.05%	4.581%
87	15.070	2228	2230	2244	rVB2	216963	410688	7.43%	0.531%
88	15.182	2244	2249	2256	rBV3	98312	179592	3.25%	0.232%
89	15.288	2256	2267	2272	rVV2	412677	963528	17.43%	1.247%
90	15.335	2272	2275	2280	rVV2	127284	217242	3.93%	0.281%
91	15.406	2280	2287	2295	rVB2	283734	705370	12.76%	0.913%
92	15.564	2307	2314	2316	rBV3	37957	77784	1.41%	0.101%
93	15.612	2316	2322	2329	rVB	255055	500671	9.06%	0.648%
94	15.723	2335	2341	2345	rBV4	81374	156148	2.82%	0.202%
95	15.776	2345	2350	2365	rVB3	83953	229664	4.15%	0.297%
96	15.917	2365	2374	2383	rBV	138888	318908	5.77%	0.413%
97	16.094	2393	2404	2414	rBV2	72212	237620	4.30%	0.307%
98	16.217	2420	2425	2433	rBV3	45767	99929	1.81%	0.129%
99	16.306	2433	2440	2449	rVB5	62215	160183	2.90%	0.207%
100	16.747	2508	2515	2522	rBV2	118529	273888	4.95%	0.354%

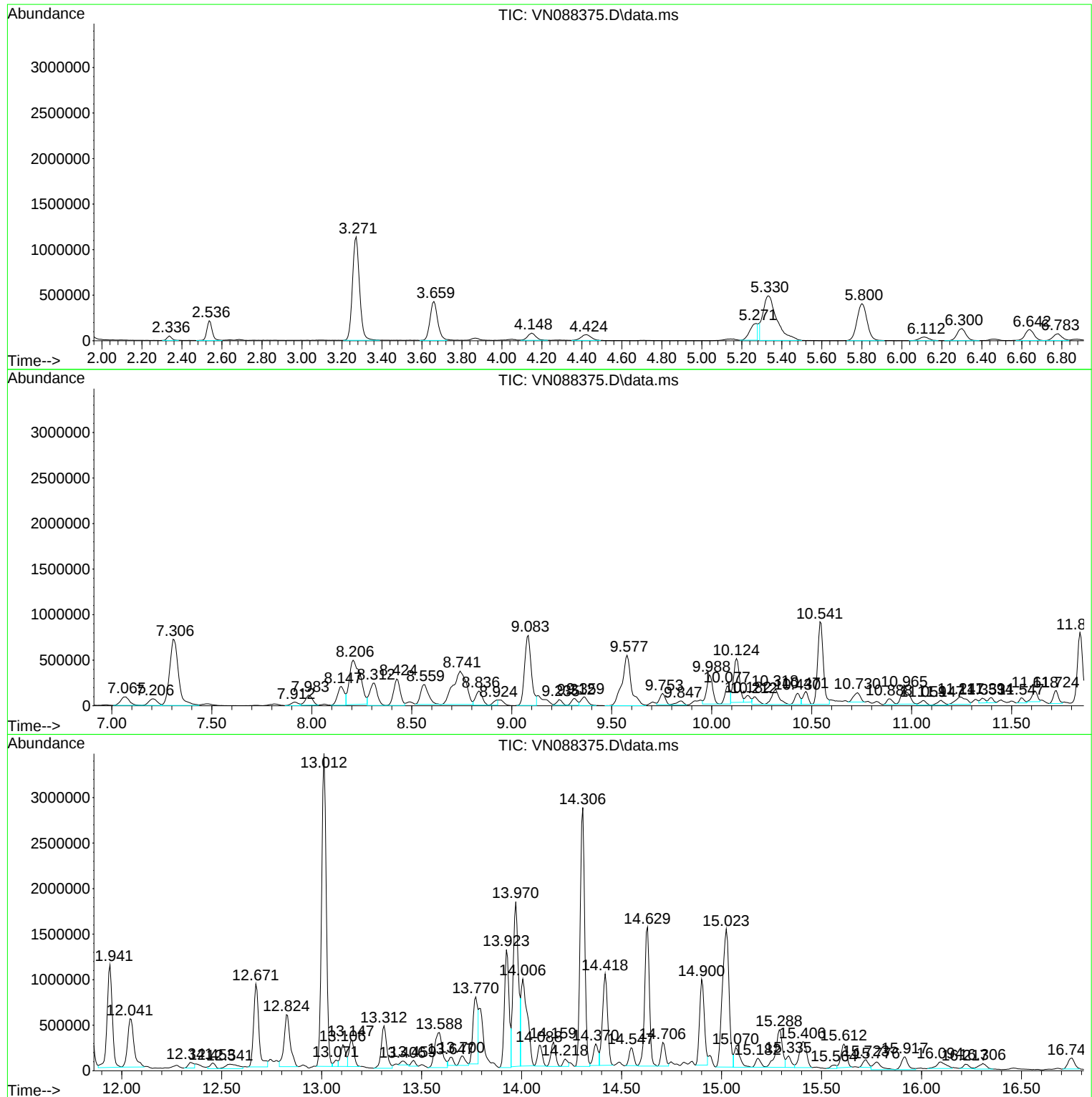
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Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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



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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
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ClientSampleId :
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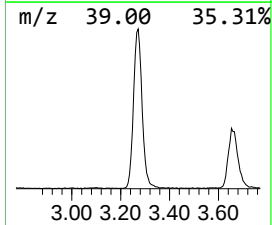
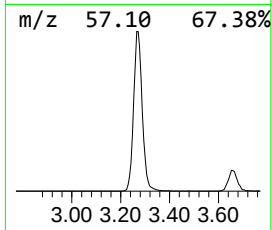
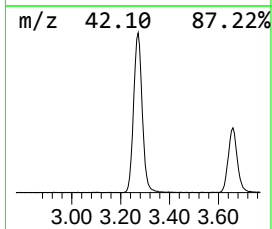
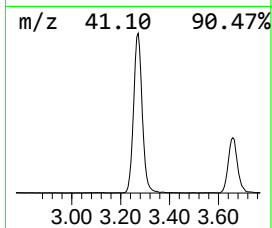
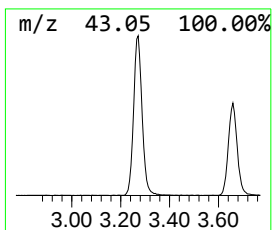
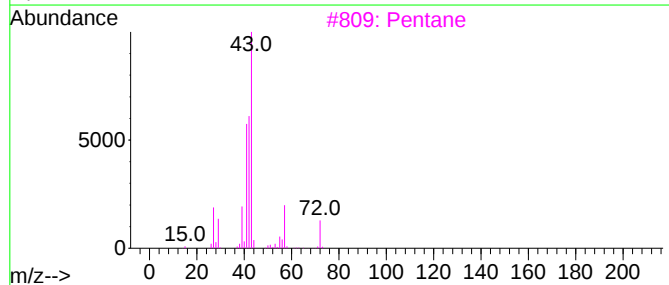
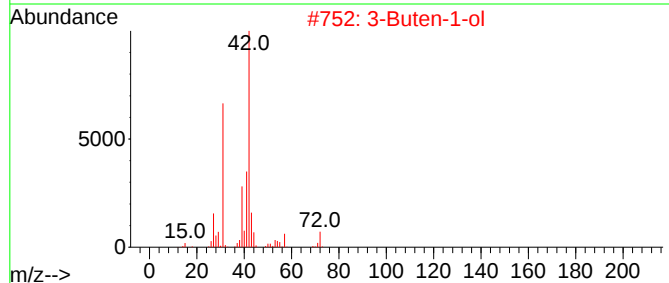
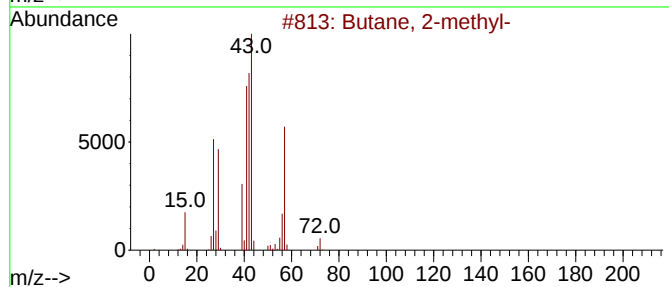
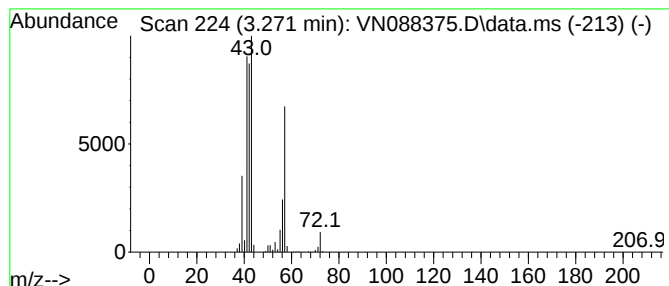
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Quant Title : SW846 8260

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

Peak Number 1 Butane, 2-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.271	75.10 ug/l	2789570	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Butane, 2-methyl-	72	C5H12	000078-78-4	86
2			3-Buten-1-ol	72	C4H8O	000627-27-0	40
3			Pentane	72	C5H12	000109-66-0	36
4			2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	33
5			1-Butene	56	C4H8	000106-98-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

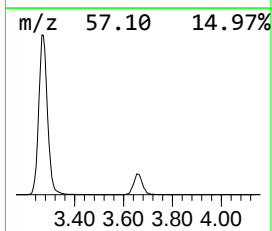
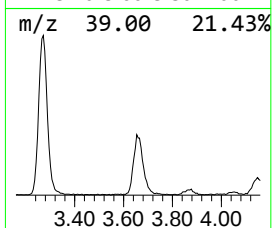
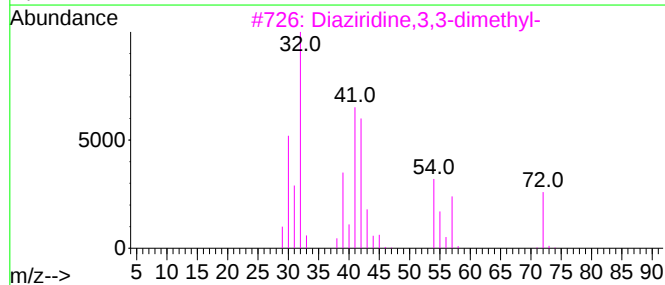
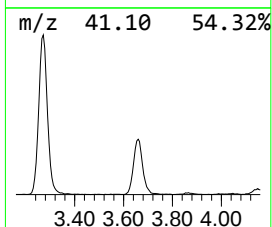
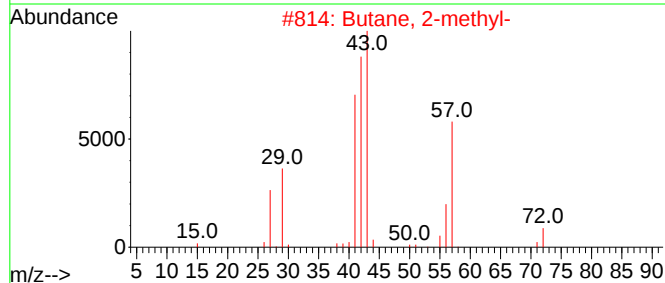
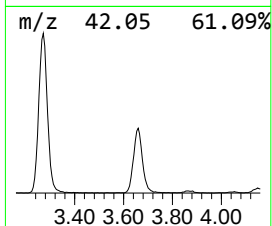
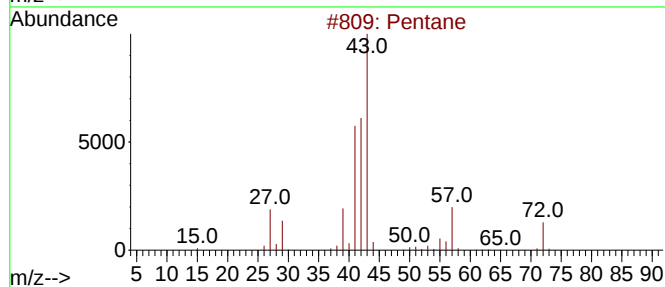
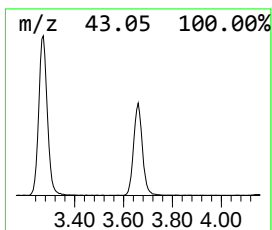
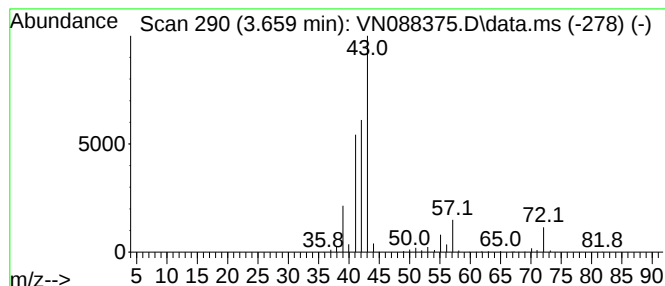
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Quant Title : SW846 8260

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

Peak Number 2 Pentane Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.659	30.54 ug/l	1134410	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane			72	C5H12	000109-66-0	91
2	Butane, 2-methyl-			72	C5H12	000078-78-4	50
3	Diaziridine,3,3-dimethyl-			72	C3H8N2	004901-76-2	43
4	Oxirane, ethyl-			72	C4H8O	000106-88-7	40
5	Cyclobutane, methyl-			70	C5H10	000598-61-8	32



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

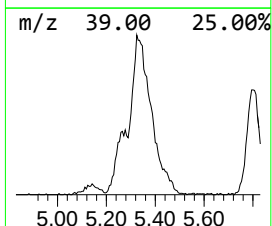
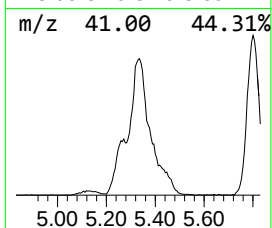
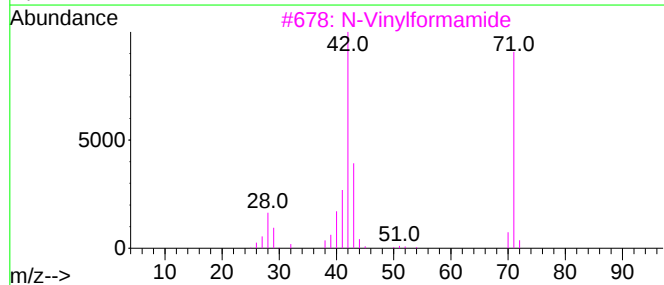
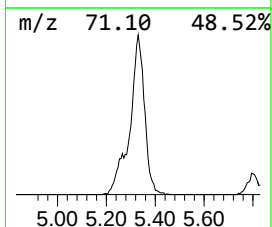
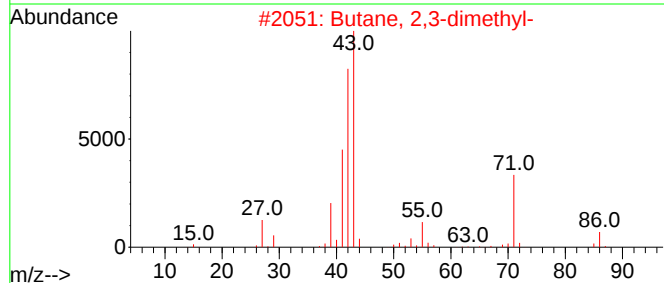
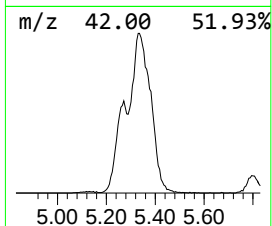
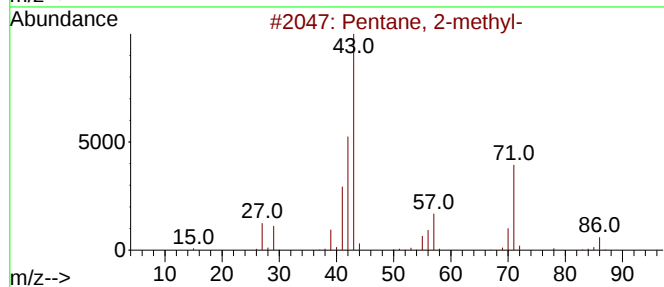
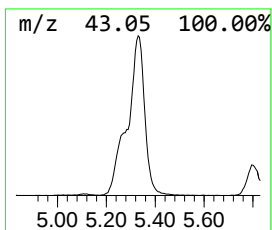
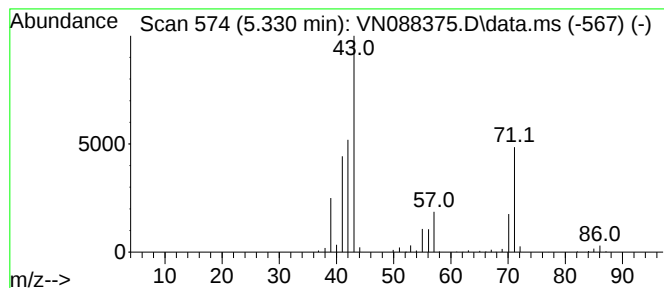
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Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2-methyl- Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.330	63.29 ug/l	2350830	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	91
2			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	59
3			N-Vinylformamide	71	C3H5NO	013162-05-5	50
4			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	37
5			Hexane, 2,3-dimethyl-	114	C8H18	000584-94-1	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

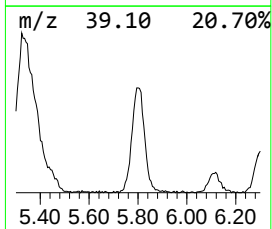
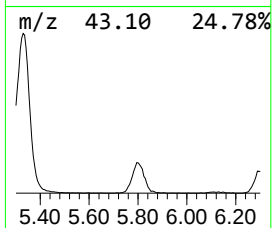
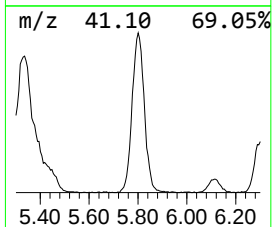
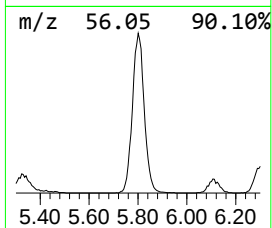
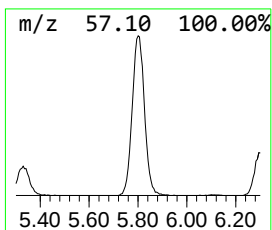
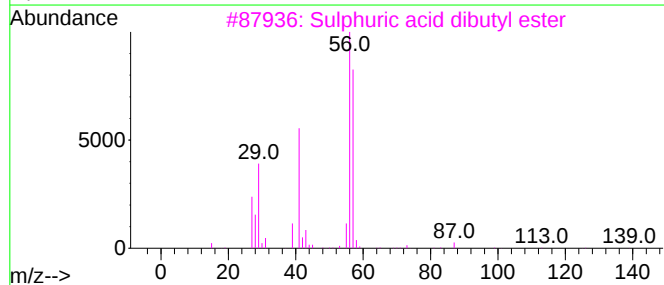
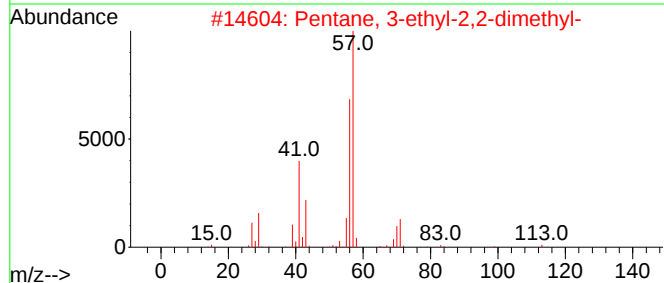
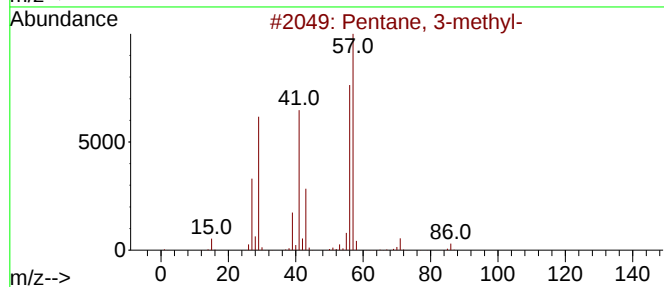
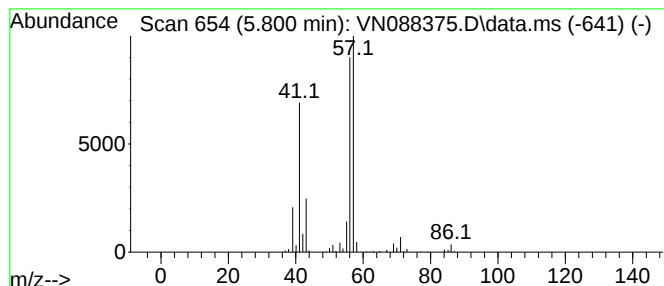
Instrument :
MSVOA_N
ClientSampleId :
MW6

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 4 Pentane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.	
5.800	38.06 ug/l	1413570	Pentafluorobenzene	8.206	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2	Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	56
3	Sulphuric acid dibutyl ester	210	C8H18O4S	000625-22-9	50
4	Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	42
5	Oxirane, (1-methylethyl)-	86	C5H10O	001438-14-8	42



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

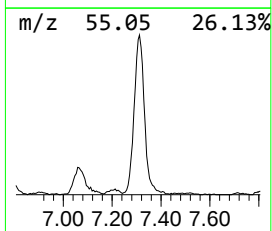
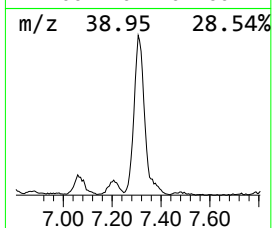
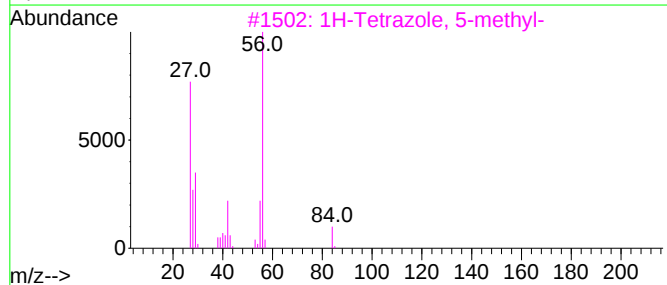
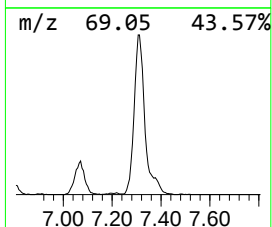
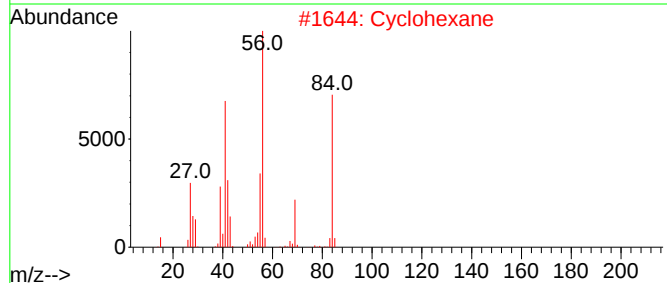
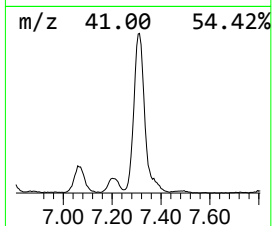
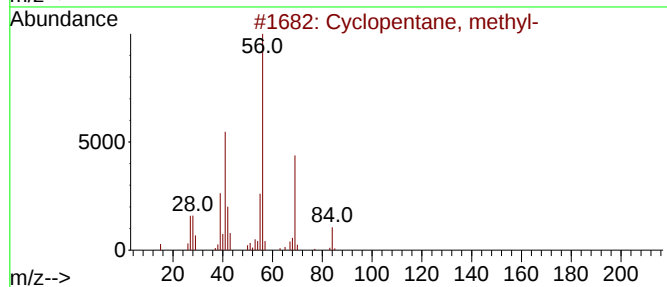
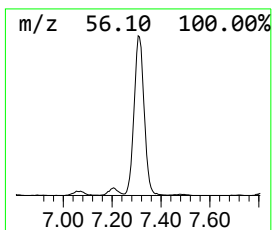
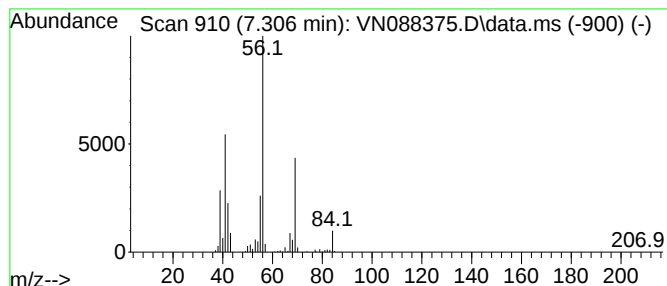
Instrument :
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ClientSampleId :
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Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 5 Cyclopentane, methyl- Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.	
7.306	59.88 ug/l	2224360	Pentafluorobenzene	8.206	
Hit# of 5	Tentative ID	MW	MolForm	CAS#	Qual
1	Cyclopentane, methyl-	84	C6H12	000096-37-7	91
2	Cyclohexane	84	C6H12	000110-82-7	90
3	1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72
4	Cyclobutane, ethyl-	84	C6H12	004806-61-5	64
5	Cyclobutane	56	C4H8	000287-23-0	53



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

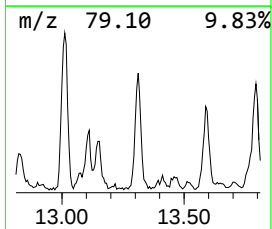
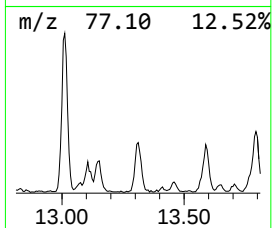
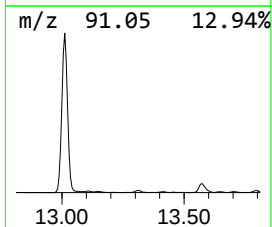
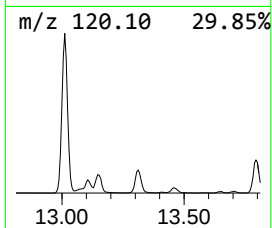
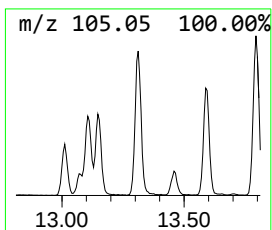
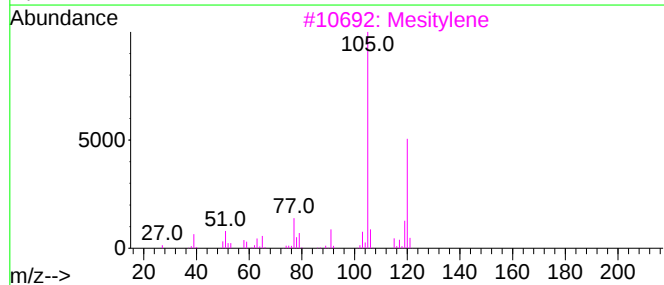
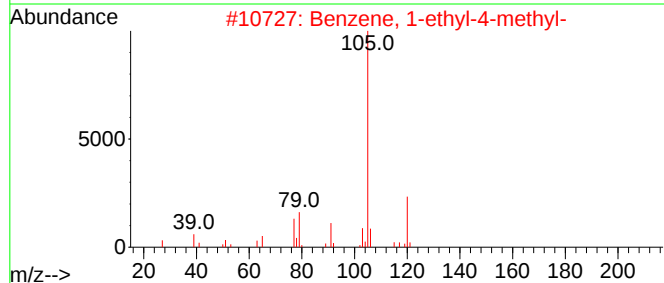
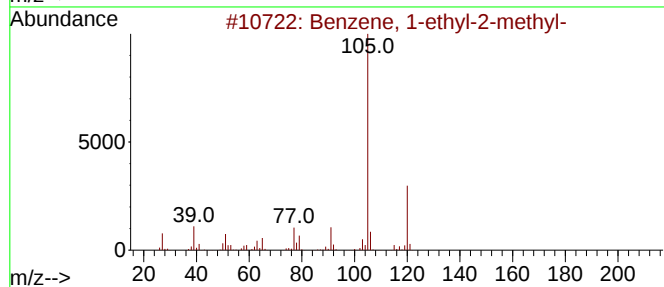
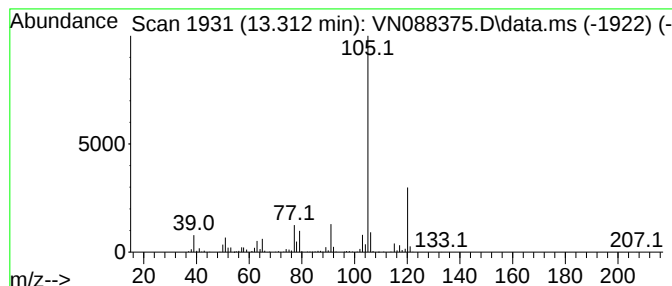
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Quant Title : SW846 8260

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

Peak Number 7 Benzene, 1-ethyl-2-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	34.42 ug/l	887431	1,4-Dichlorobenzene-d4	13.765

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	94
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
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ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
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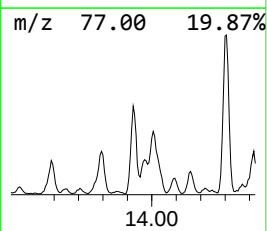
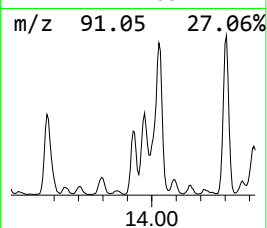
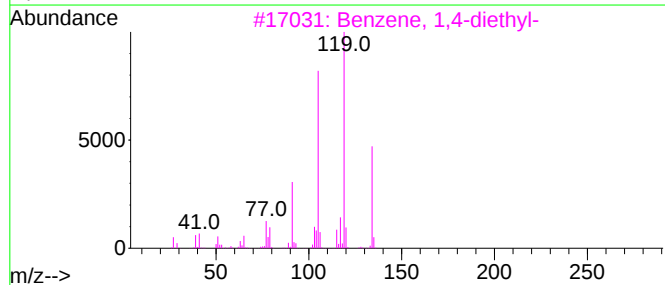
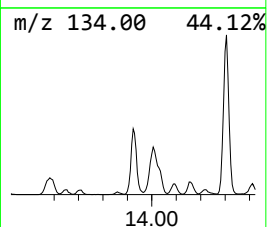
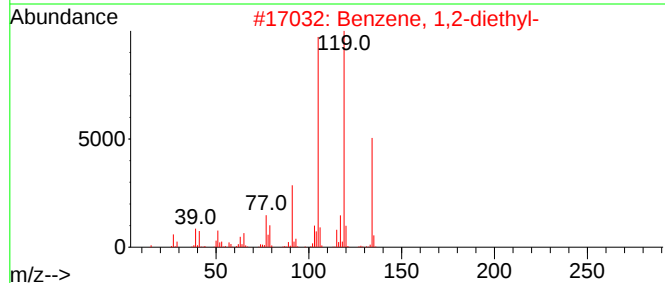
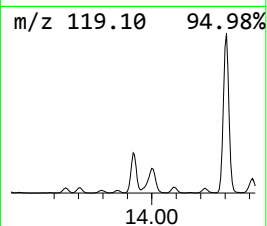
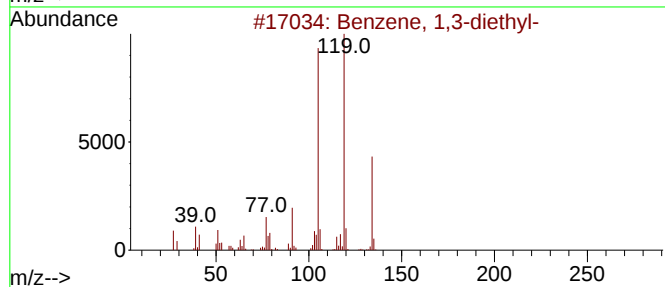
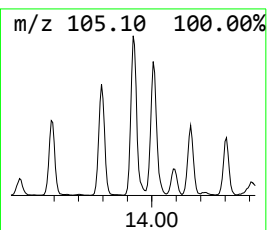
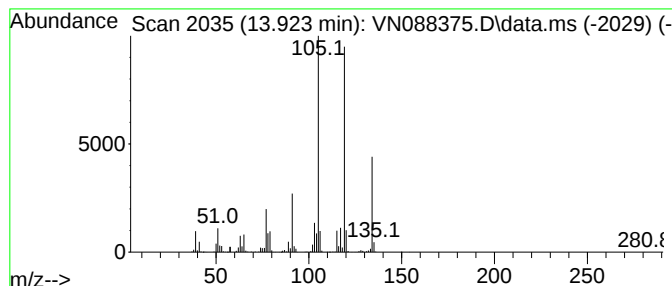
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Quant Title : SW846 8260

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

Peak Number 8 Benzene, 1,3-diethyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.923	83.82 ug/l	2161320	1,4-Dichlorobenzene-d4	13.765

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,3-diethyl-	134	C10H14	000141-93-5	97
2			Benzene, 1,2-diethyl-	134	C10H14	000135-01-3	96
3			Benzene, 1,4-diethyl-	134	C10H14	000105-05-5	94
4			Benzene, 1-ethyl-3,5-dimethyl-	134	C10H14	000934-74-7	87
5			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	81



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

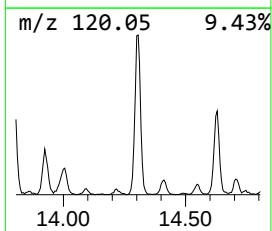
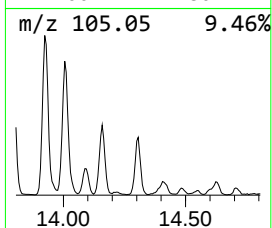
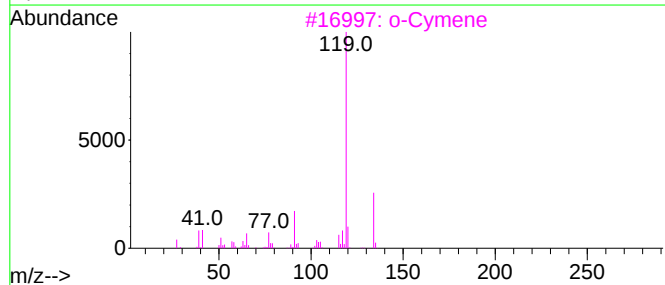
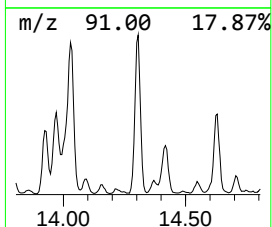
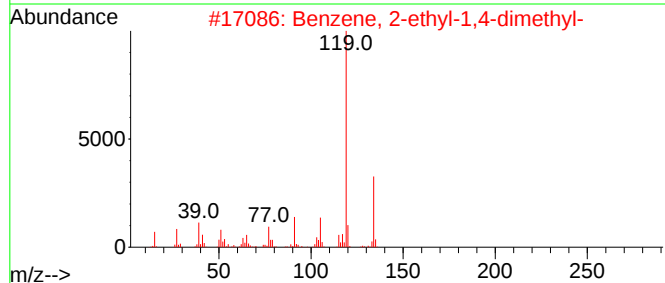
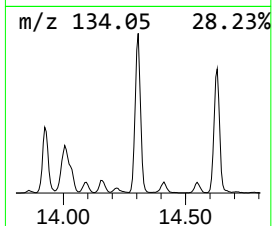
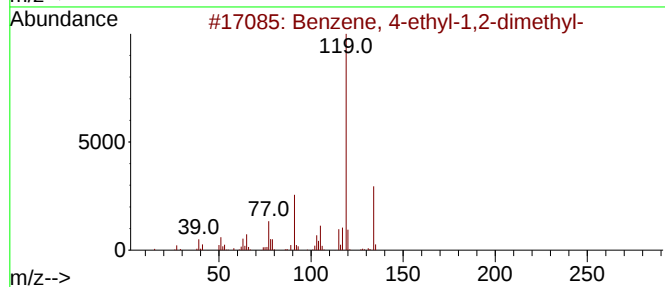
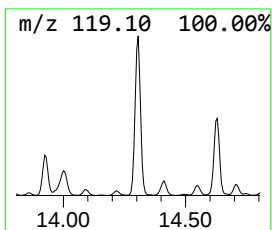
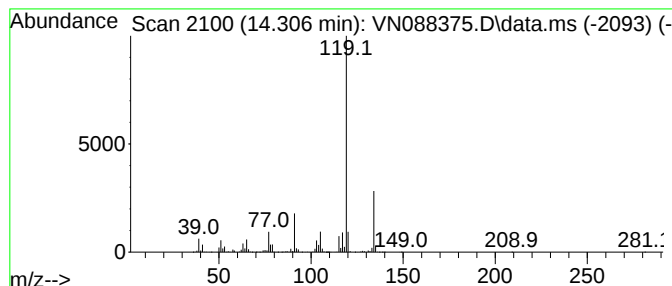
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Quant Title : SW846 8260

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

Peak Number 10 Benzene, 4-ethyl-1,2-dimethyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	174.11 ug/l	4489500	1,4-Dichlorobenzene-d4	13.765

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	96
2			Benzene, 2-ethyl-1,4-dimethyl-	134	C10H14	001758-88-9	95
3			o-Cymene	134	C10H14	000527-84-4	95
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	95
5			p-Cymene	134	C10H14	000099-87-6	95



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

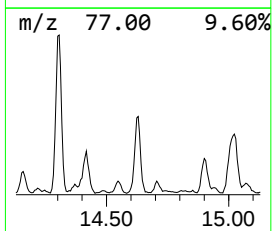
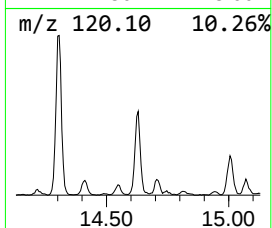
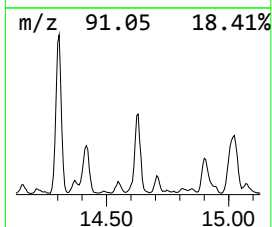
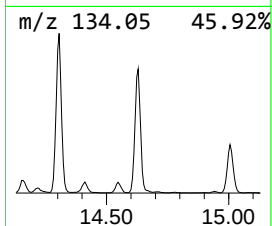
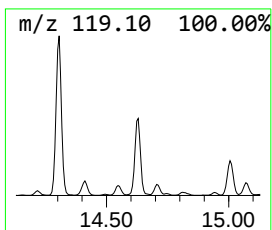
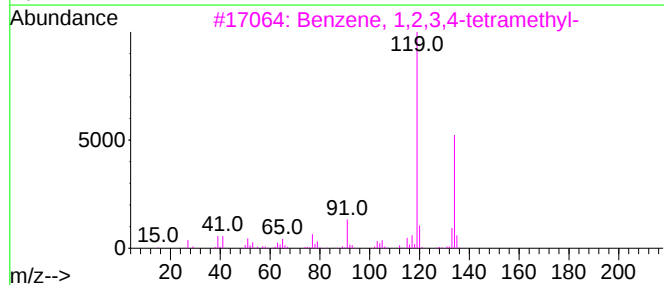
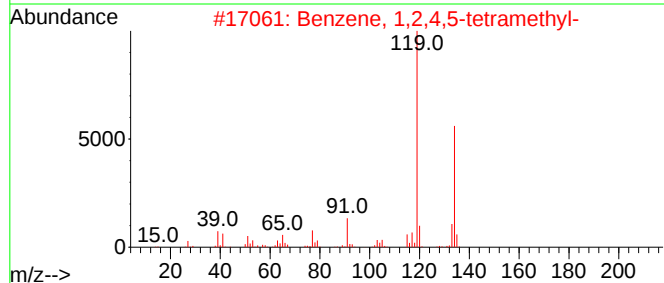
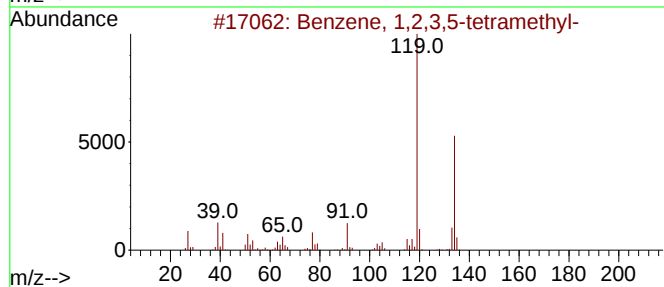
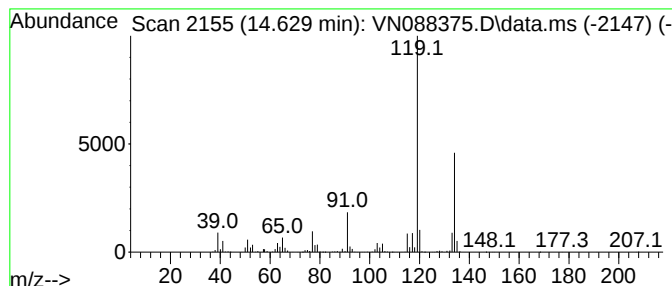
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Quant Title : SW846 8260

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

Peak Number 12 Benzene, 1,2,3,5-tetramethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.629	97.88 ug/l	2523830	1,4-Dichlorobenzene-d4	13.765

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	96
2			Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	95
3			Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	95
4			o-Cymene	134	C10H14	000527-84-4	95
5			p-Cymene	134	C10H14	000099-87-6	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

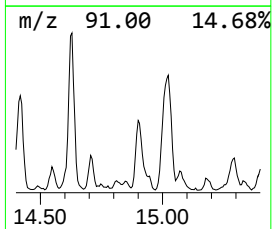
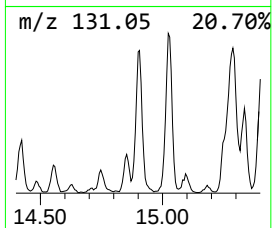
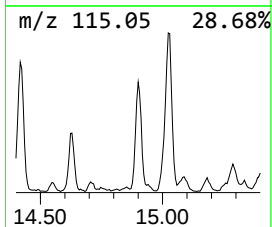
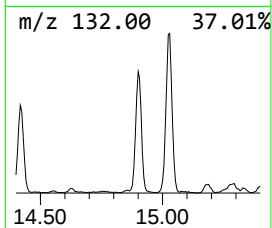
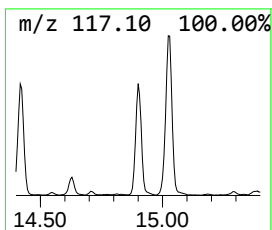
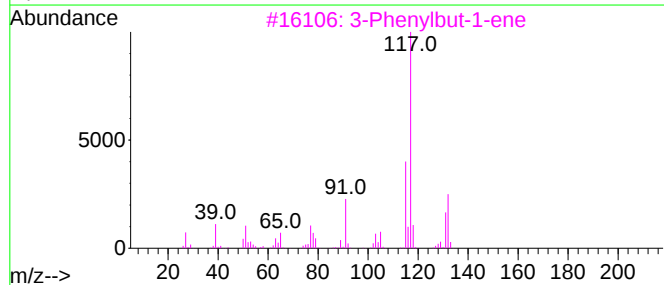
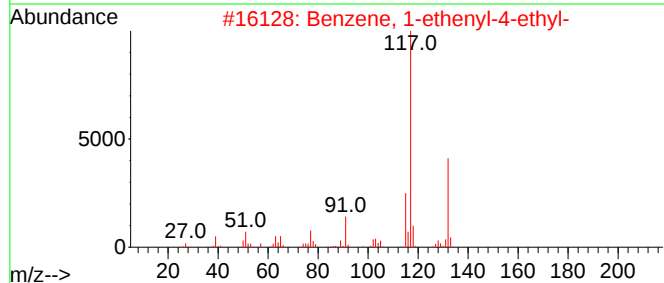
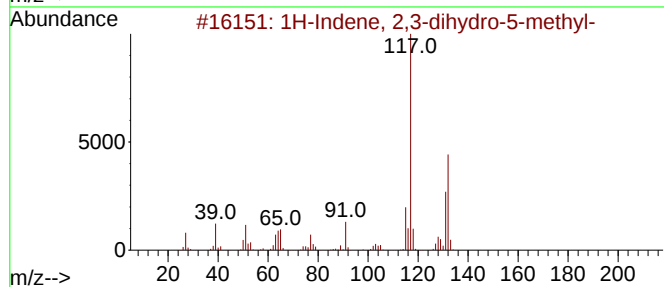
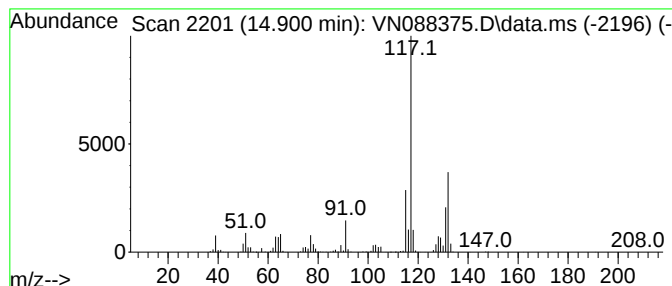
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Quant Title : SW846 8260

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

Peak Number 13 1H-Indene, 2,3-dihydro-5-me... Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.900	61.07 ug/l	1574780	1,4-Dichlorobenzene-d4	13.765

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	96
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3		3-Phenylbut-1-ene	132	C10H12	000934-10-1	91
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	91
5		Benzene, (2-methyl-2-propenyl)-	132	C10H12	003290-53-7	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

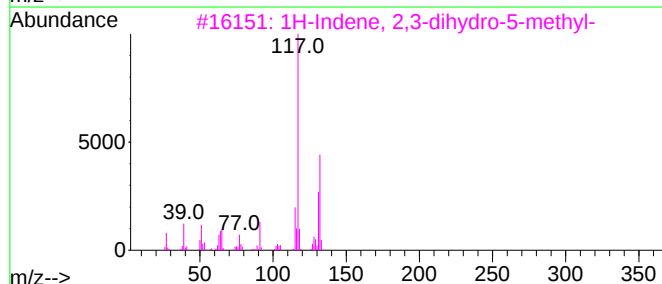
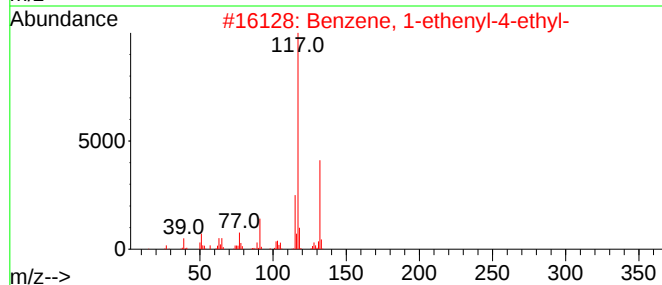
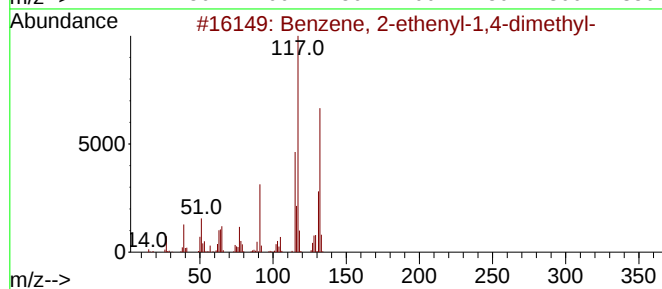
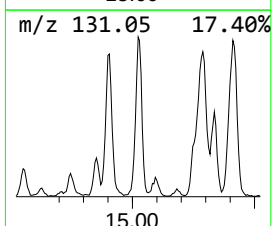
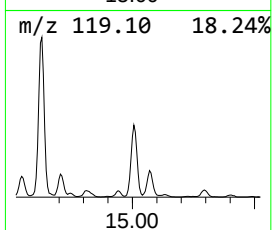
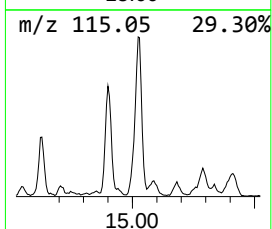
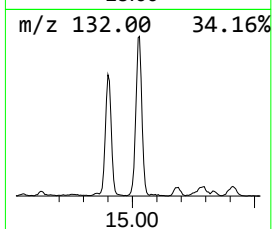
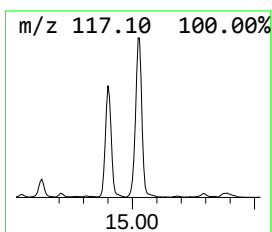
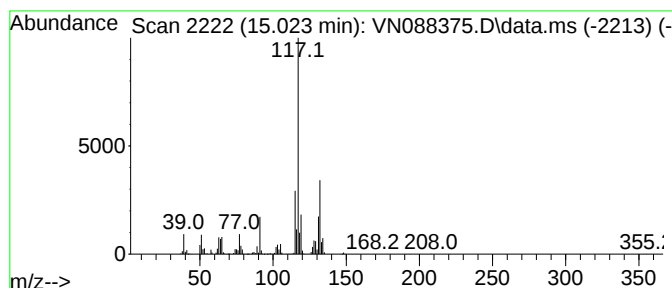
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 2-ethenyl-1,4-dime... Concentration Rank 2

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.023	137.29 ug/l	3540180	1,4-Dichlorobenzene-d4	13.765

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 2-ethenyl-1,4-dimethyl-	132	C10H12	002039-89-6	96
2		Benzene, 1-ethenyl-4-ethyl-	132	C10H12	003454-07-7	94
3		1H-Indene, 2,3-dihydro-5-methyl-	132	C10H12	000874-35-1	94
4		1H-Indene, 2,3-dihydro-4-methyl-	132	C10H12	000824-22-6	93
5		3-Phenylbut-1-ene	132	C10H12	000934-10-1	93



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088375.D
Acq On : 01 Dec 2025 12:30
Operator : JC\MD
Sample : Q3715-02 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW6

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	--Internal Standard--			
					#	RT	Resp	Conc
Butane, 2-methyl-	3.271	75.1	ug/l	2789570	1	8.206	1857230	50.0
Pentane	3.659	30.5	ug/l	1134410	1	8.206	1857230	50.0
Pentane, 2-methyl-	5.330	63.3	ug/l	2350830	1	8.206	1857230	50.0
Pentane, 3-methyl-	5.800	38.1	ug/l	1413570	1	8.206	1857230	50.0
Cyclopentane, m...	7.306	59.9	ug/l	2224360	1	8.206	1857230	50.0
Benzene, 1-ethy...	13.312	34.4	ug/l	887431	4	13.765	1289270	50.0
Benzene, 1,3-di...	13.923	83.8	ug/l	2161320	4	13.765	1289270	50.0
Benzene, 4-ethy...	14.306	174.1	ug/l	4489500	4	13.765	1289270	50.0
Benzene, 1,2,3,...	14.629	97.9	ug/l	2523830	4	13.765	1289270	50.0
1H-Indene, 2,3-...	14.900	61.1	ug/l	1574780	4	13.765	1289270	50.0
Benzene, 2-ethe...	15.023	137.3	ug/l	3540180	4	13.765	1289270	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048679.D
 Acq On : 25 Nov 2025 13:00
 Operator : JC/MD
 Sample : Q3715-03
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 MW7

A
B
C
D
E
F
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I
J

Quant Time: Nov 26 01:00:07 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

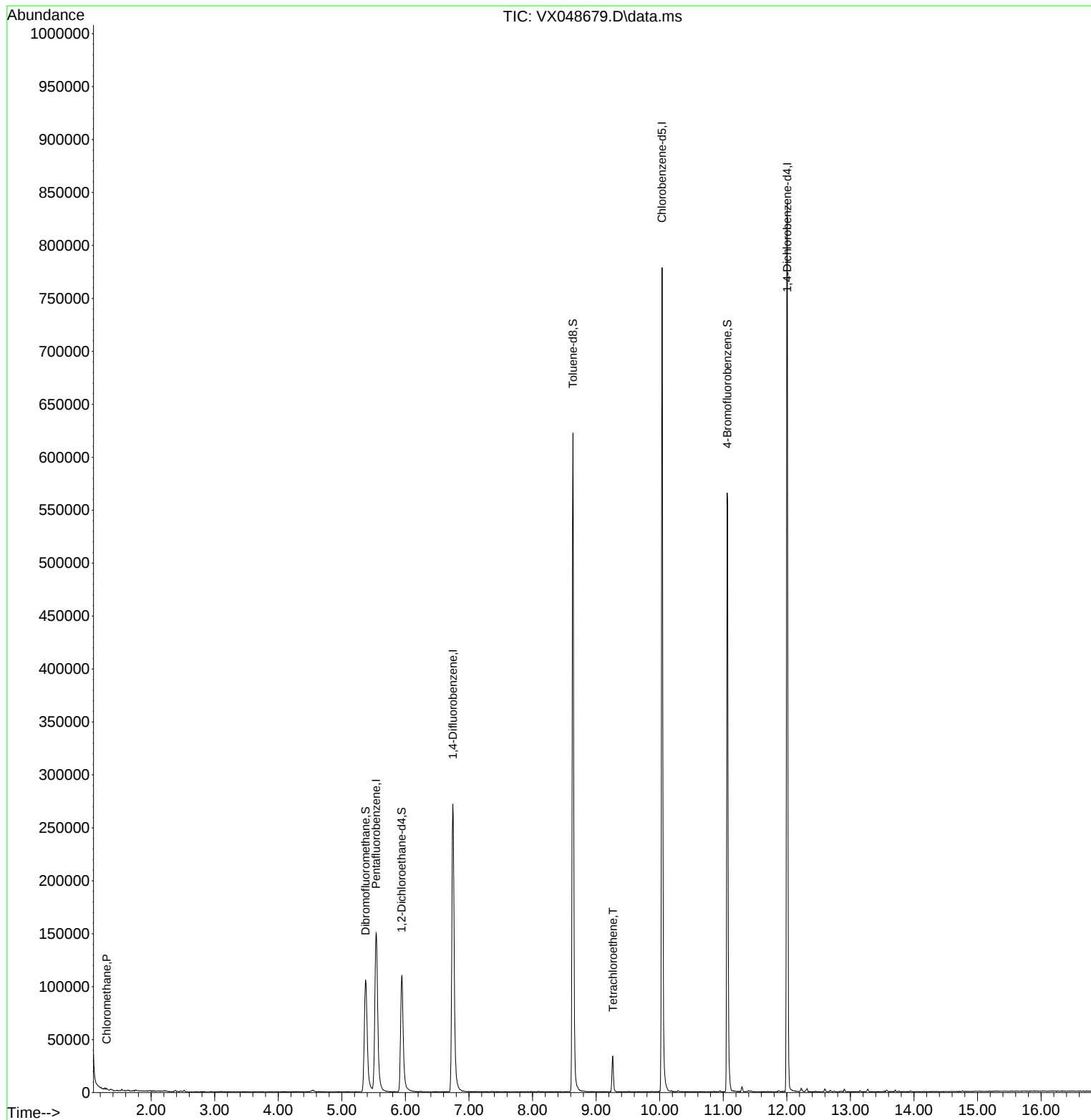
Internal Standards						
1) Pentafluorobenzene	5.538	168	166997	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	305521	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	379381	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	188892	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	119607	51.400	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	102.800%
35) Dibromofluoromethane	5.373	113	108925	47.105	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	94.220%
50) Toluene-d8	8.635	98	397876	55.169	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	110.340%
62) 4-Bromofluorobenzene	11.061	95	161369	60.041	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	120.080%
Target Compounds						
						Qvalue
3) Chloromethane	1.301	50	930	0.518	ug/l #	80
64) Tetrachloroethene	9.263	164	7016	2.546	ug/l	93

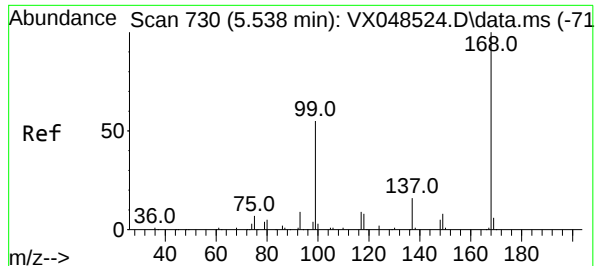
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048679.D
Acq On : 25 Nov 2025 13:00
Operator : JC/MD
Sample : Q3715-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW7

Quant Time: Nov 26 01:00:07 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

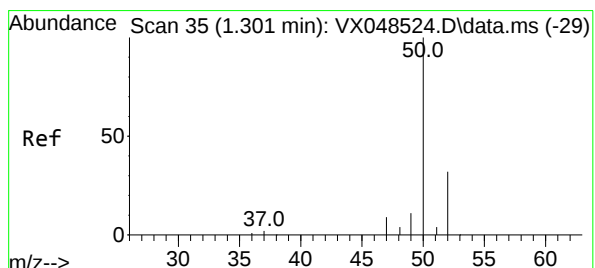
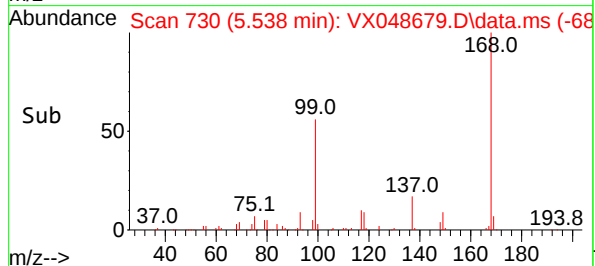
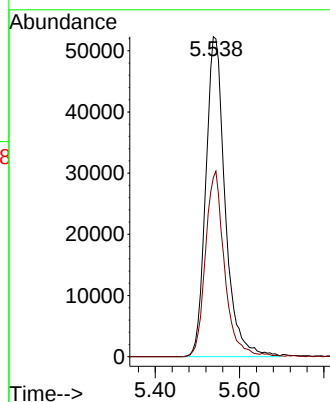
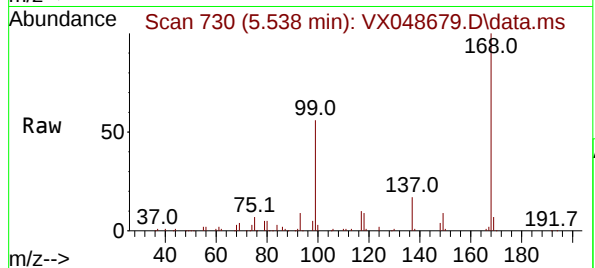




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048679.D
Acq: 25 Nov 2025 13:00

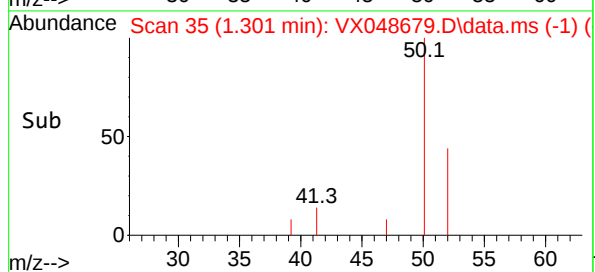
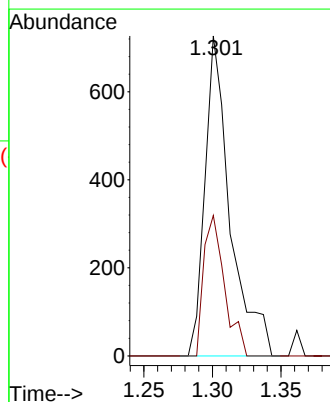
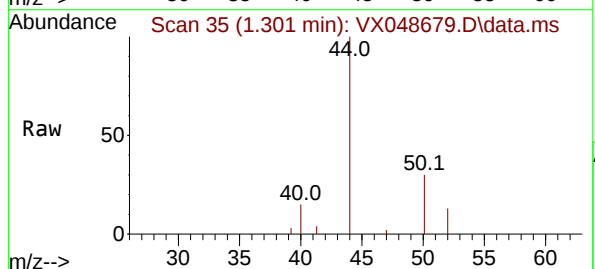
Instrument :
MSVOA_X
ClientSampleId :
MW7

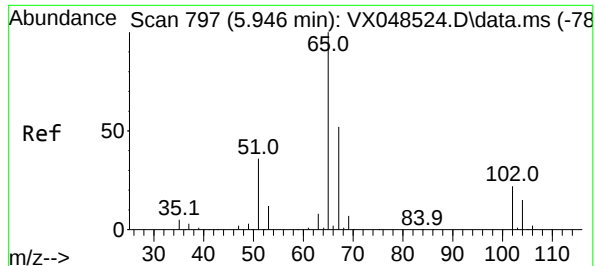
Tgt Ion:168 Resp: 166997
Ion Ratio Lower Upper
168 100
99 55.9 45.2 67.8



#3
Chloromethane
Concen: 0.518 ug/l
RT: 1.301 min Scan# 35
Delta R.T. -0.000 min
Lab File: VX048679.D
Acq: 25 Nov 2025 13:00

Tgt Ion: 50 Resp: 930
Ion Ratio Lower Upper
50 100
52 43.9 26.0 39.0#





#33

1,2-Dichloroethane-d4

Concen: 51.400 ug/l

RT: 5.940 min Scan# 797

Delta R.T. -0.006 min

Lab File: VX048679.D

Acq: 25 Nov 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

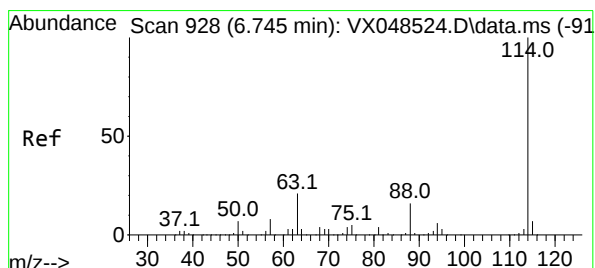
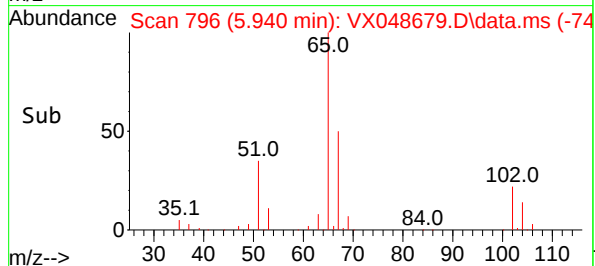
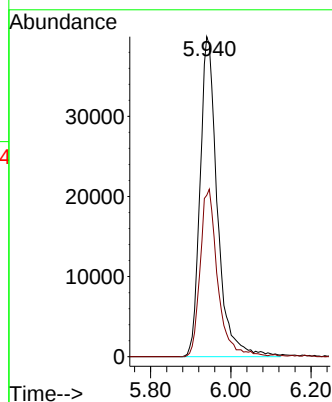
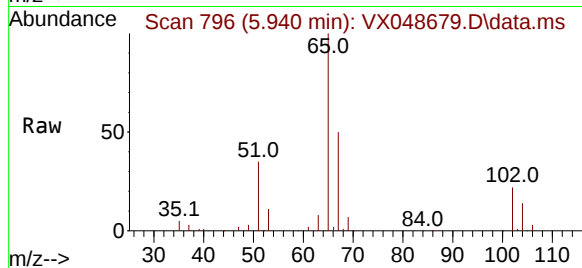
MW7

Tgt Ion: 65 Resp: 119607

Ion Ratio Lower Upper

65 100

67 53.0 0.0 106.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 928

Delta R.T. -0.000 min

Lab File: VX048679.D

Acq: 25 Nov 2025 13:00

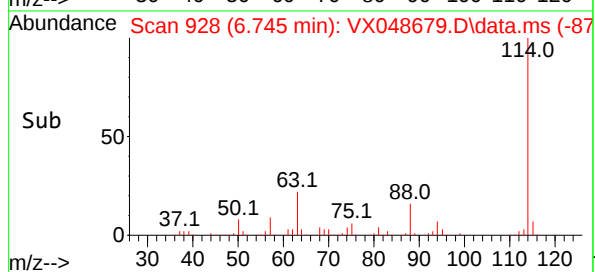
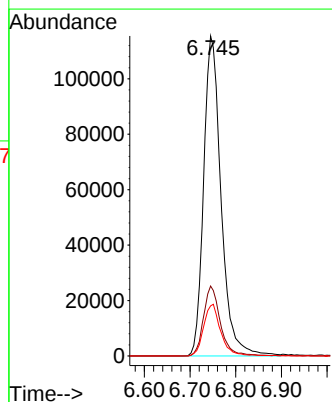
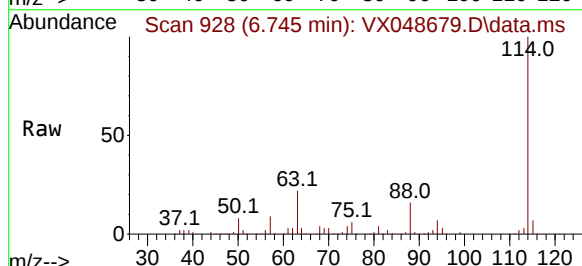
Tgt Ion: 114 Resp: 305521

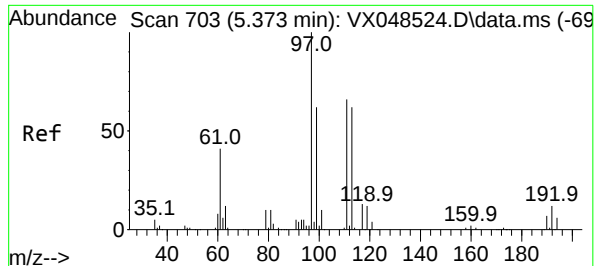
Ion Ratio Lower Upper

114 100

63 21.8 0.0 41.2

88 15.7 0.0 32.2





#35

Dibromofluoromethane

Concen: 47.105 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048679.D

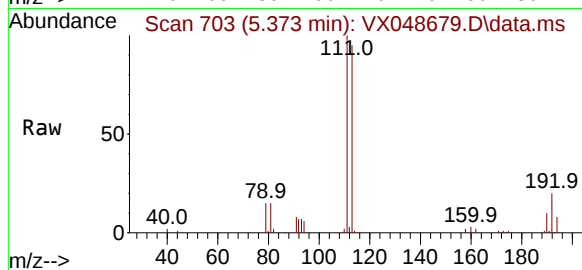
Acq: 25 Nov 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

MW7



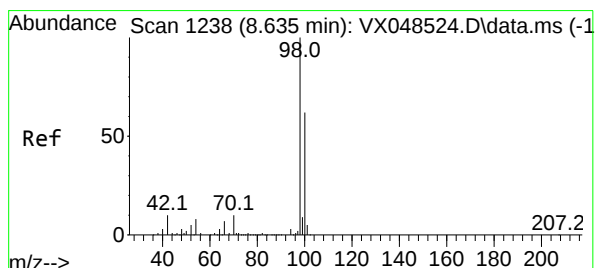
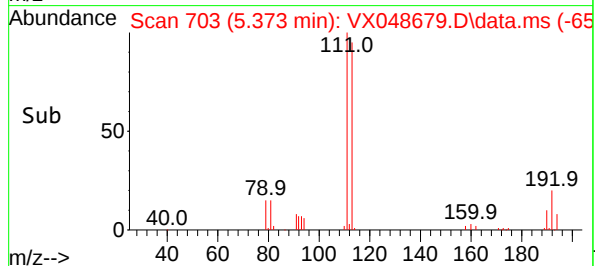
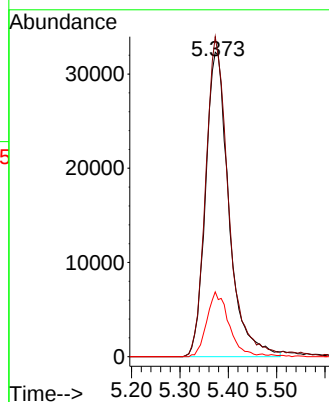
Tgt Ion:113 Resp: 108925

Ion Ratio Lower Upper

113 100

111 102.5 81.9 122.9

192 19.9 15.8 23.6



#50

Toluene-d8

Concen: 55.169 ug/l

RT: 8.635 min Scan# 1238

Delta R.T. -0.000 min

Lab File: VX048679.D

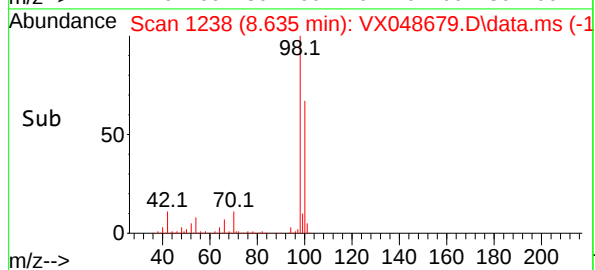
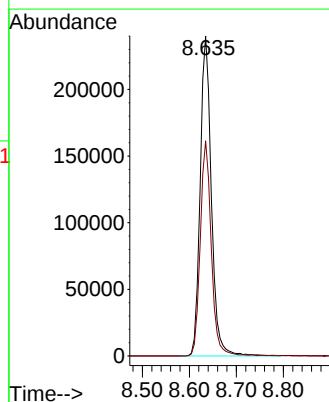
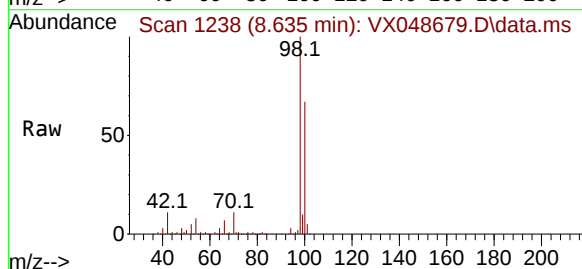
Acq: 25 Nov 2025 13:00

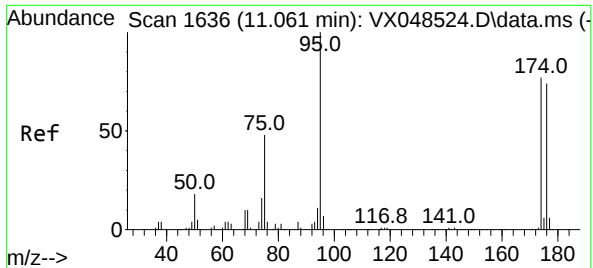
Tgt Ion: 98 Resp: 397876

Ion Ratio Lower Upper

98 100

100 66.3 53.6 80.4

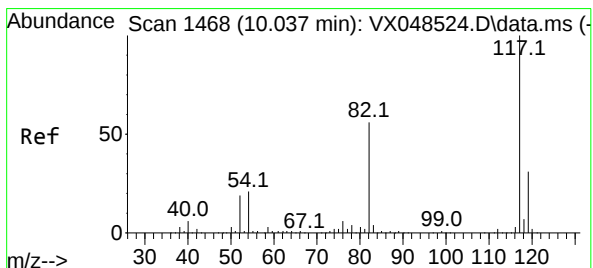
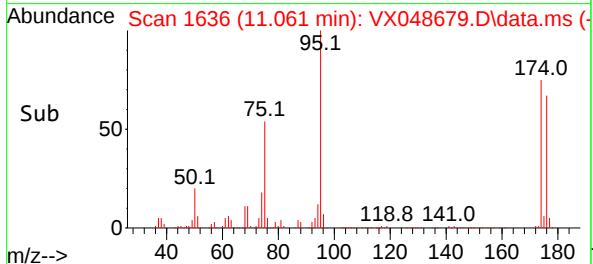
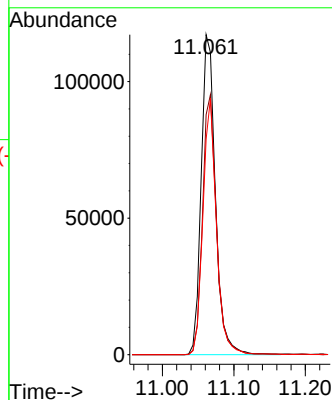
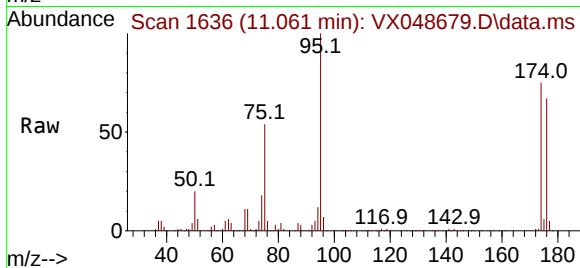




#62
4-Bromofluorobenzene
Concen: 60.041 ug/l
RT: 11.061 min Scan# 1
Delta R.T. -0.000 min
Lab File: VX048679.D
Acq: 25 Nov 2025 13:00

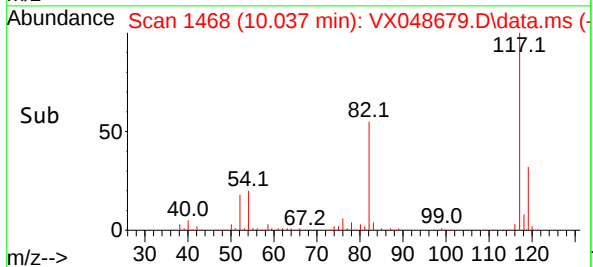
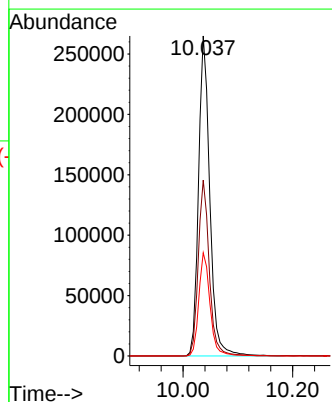
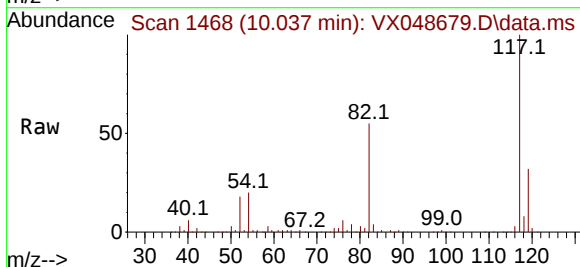
Instrument :
MSVOA_X
ClientSampleId :
MW7

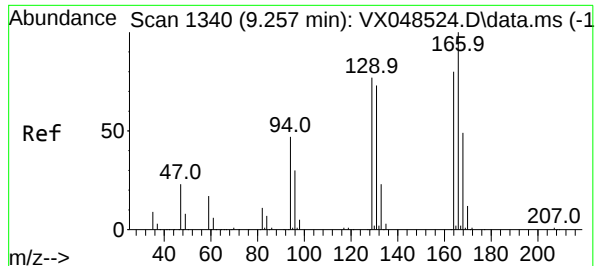
Tgt Ion: 95 Resp: 161369
Ion Ratio Lower Upper
95 100
174 80.3 0.0 161.8
176 76.4 0.0 153.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048679.D
Acq: 25 Nov 2025 13:00

Tgt Ion: 117 Resp: 379381
Ion Ratio Lower Upper
117 100
82 55.0 44.4 66.6
119 32.2 25.1 37.7





#64

Tetrachloroethene

Concen: 2.546 ug/l

RT: 9.263 min Scan# 1

Delta R.T. 0.006 min

Lab File: VX048679.D

Acq: 25 Nov 2025 13:00

Instrument :

MSVOA_X

ClientSampleId :

MW7

Tgt Ion:164 Resp: 7016

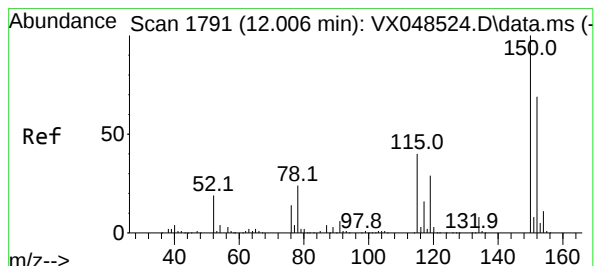
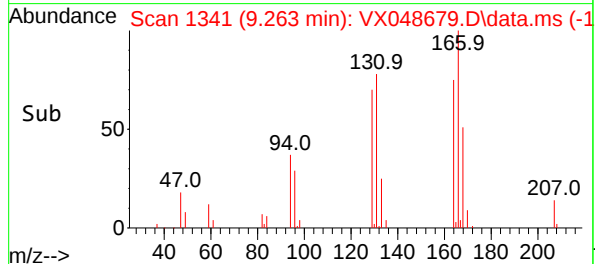
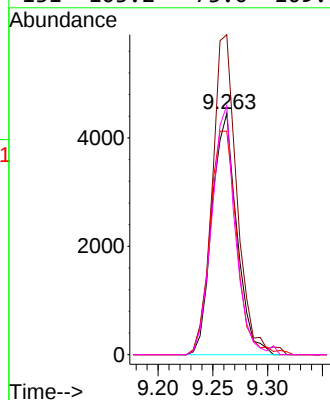
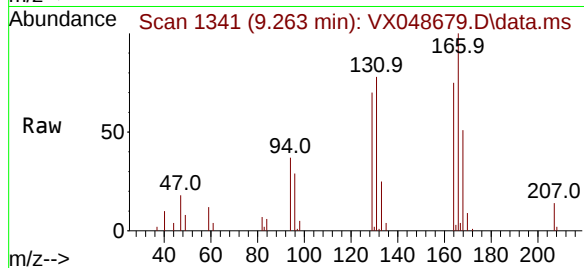
Ion Ratio Lower Upper

164 100

166 132.7 100.6 150.8

129 92.7 77.6 116.4

131 103.2 73.0 109.6



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 12.006 min Scan# 1791

Delta R.T. -0.000 min

Lab File: VX048679.D

Acq: 25 Nov 2025 13:00

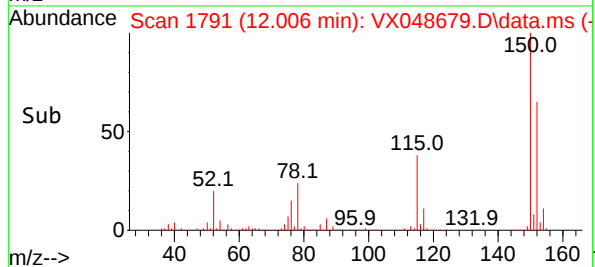
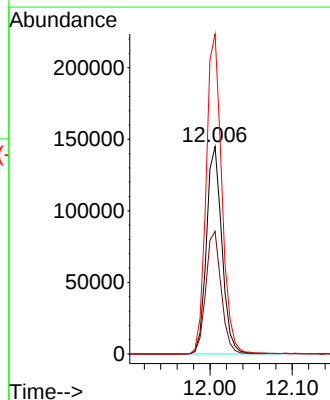
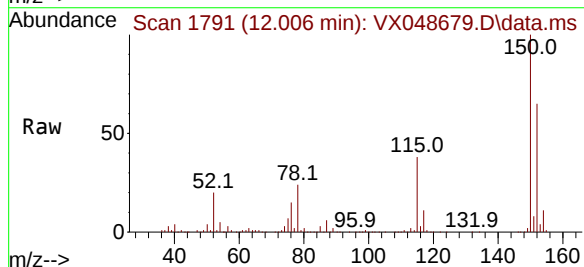
Tgt Ion:152 Resp: 188892

Ion Ratio Lower Upper

152 100

115 59.0 39.2 117.6

150 156.6 0.0 347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048679.D
Acq On : 25 Nov 2025 13:00
Operator : JC/MD
Sample : Q3715-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW7

A
B
C
D
E
F
G
H
I
J

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048679.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	5.373	691	703	721	rBV	106101	350909	31.08%	5.854%
2	5.538	721	730	756	rVB	149459	483984	42.87%	8.074%
3	5.946	786	797	820	rBV	109677	327911	29.04%	5.471%
4	6.745	919	928	952	rBV	271774	719351	63.72%	12.001%
5	8.635	1231	1238	1256	rBV	621774	1028262	91.08%	17.155%
6	9.263	1334	1341	1353	rVB	33684	55192	4.89%	0.921%
7	10.037	1462	1468	1490	rBV	777875	1111078	98.41%	18.536%
8	11.061	1631	1636	1647	rBV	565561	788330	69.83%	13.152%
9	12.006	1785	1791	1801	rBV	839197	1128992	100.00%	18.835%

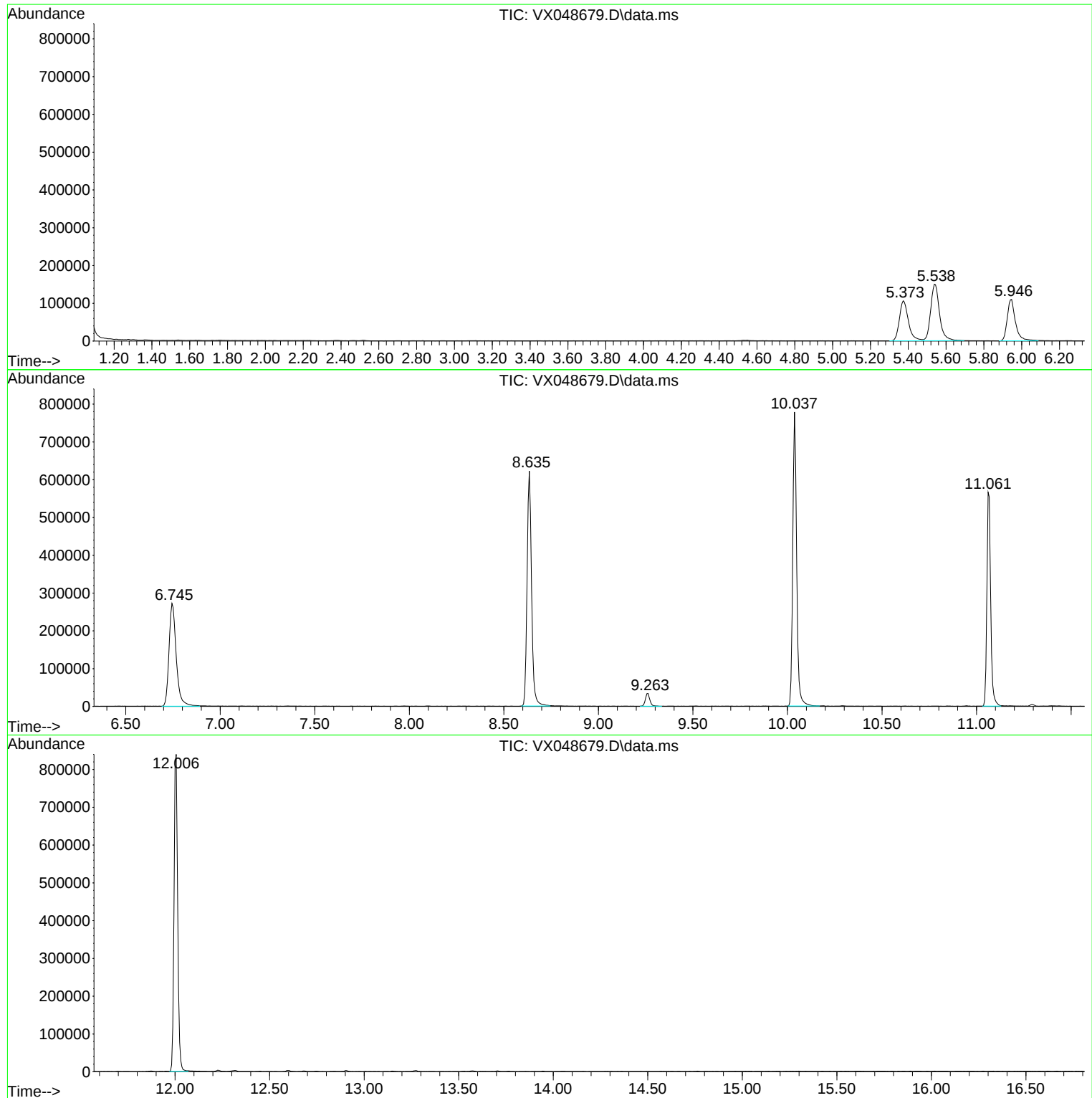
Sum of corrected areas: 5994009

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048679.D
Acq On : 25 Nov 2025 13:00
Operator : JC/MD
Sample : Q3715-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048679.D
Acq On : 25 Nov 2025 13:00
Operator : JC/MD
Sample : Q3715-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048679.D
Acq On : 25 Nov 2025 13:00
Operator : JC/MD
Sample : Q3715-03
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 9 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
MW7

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

TIC Top Hit name	RT	EstConc	Units	Response	#	RT	Resp	Conc
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Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088372.D
 Acq On : 01 Dec 2025 10:53
 Operator : JC\MD
 Sample : VN1201WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 02 00:09:38 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.200	168	188076	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	435319	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	418422	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	198799	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	204928	57.841	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	115.680%
35) Dibromofluoromethane	8.147	113	157356	52.161	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.320%
50) Toluene-d8	10.541	98	561082	49.987	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.980%
62) 4-Bromofluorobenzene	12.829	95	201912	52.426	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	104.860%

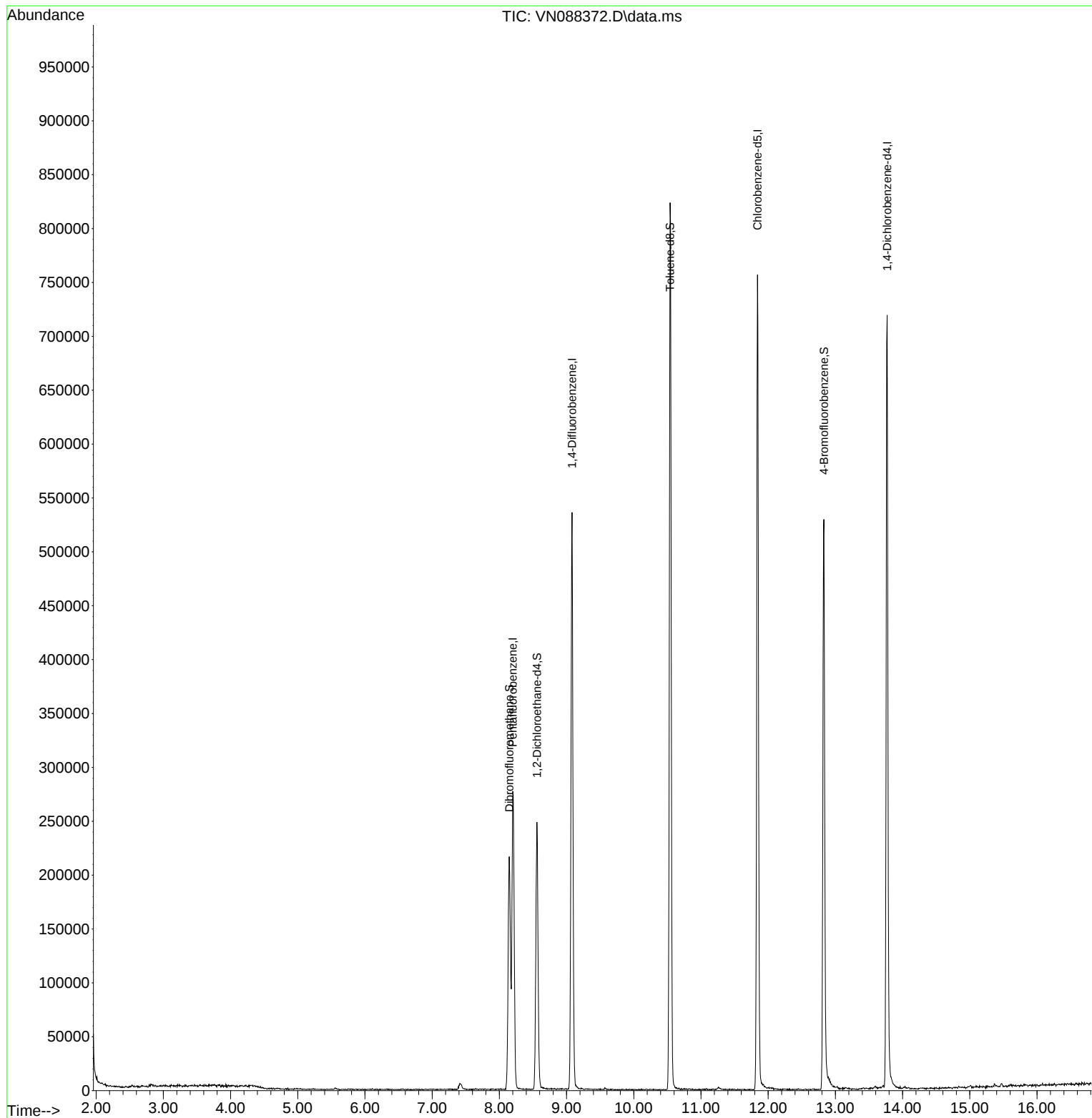
Target Compounds	Qvalue

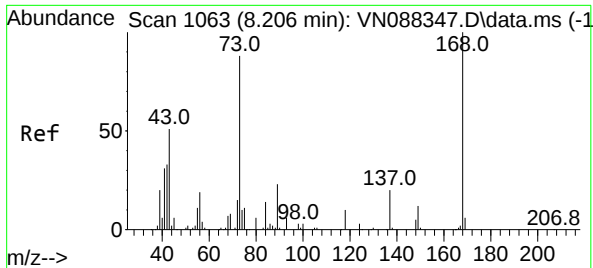
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Time: Dec 02 00:09:38 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

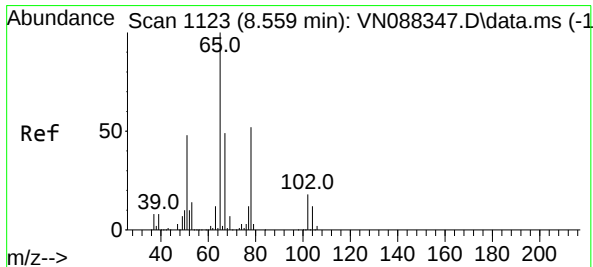
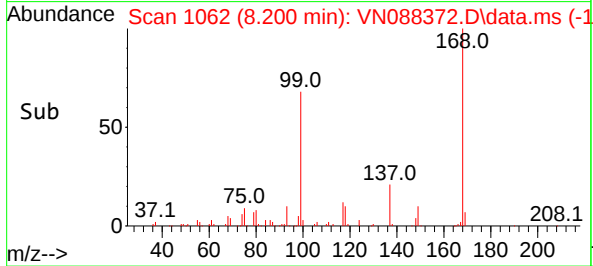
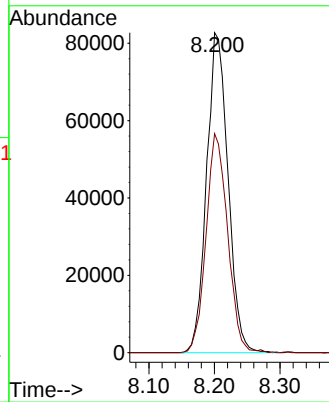
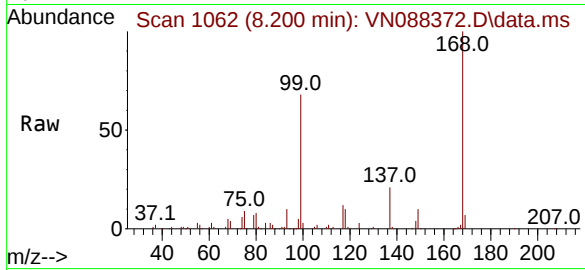




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

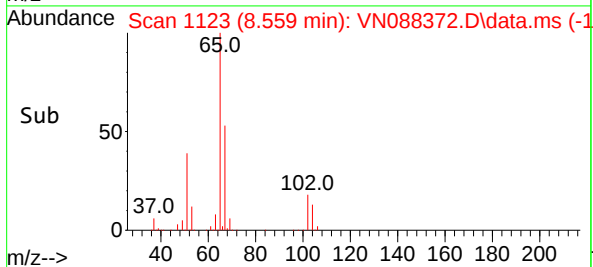
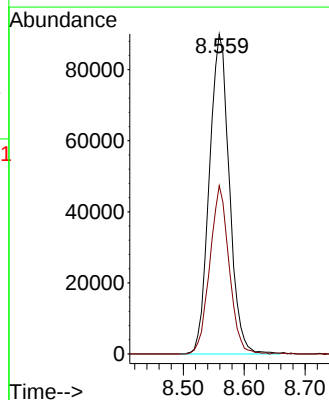
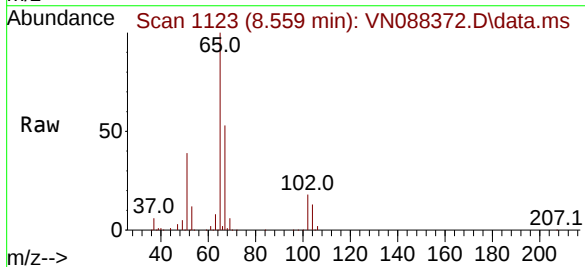
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

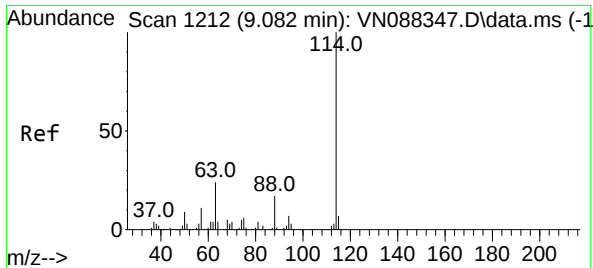
Tgt Ion:168 Resp: 188076
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 57.841 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 65 Resp: 204928
Ion Ratio Lower Upper
65 100
67 50.8 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN1201WBL01

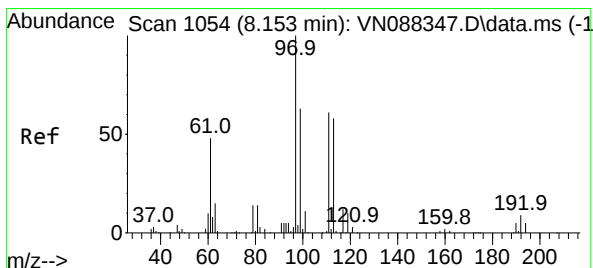
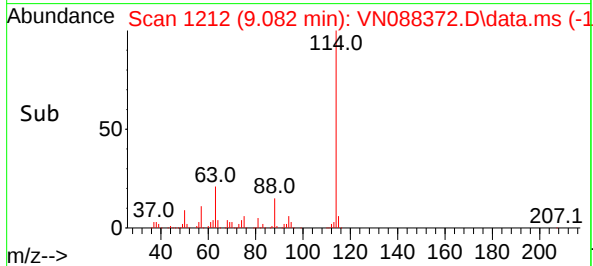
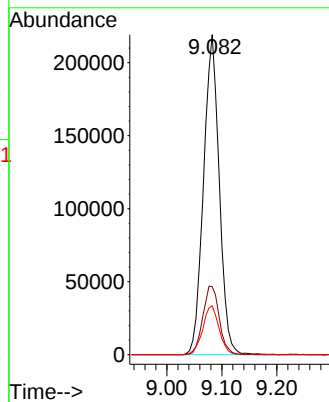
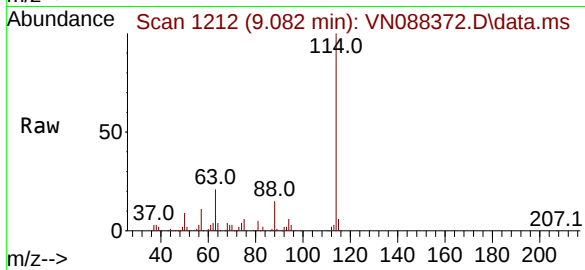
Tgt Ion:114 Resp: 435319

Ion Ratio Lower Upper

114 100

63 21.3 0.0 49.0

88 15.3 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.161 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

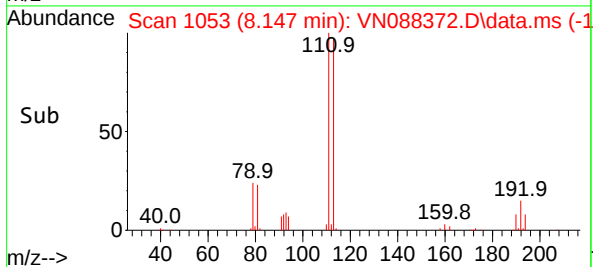
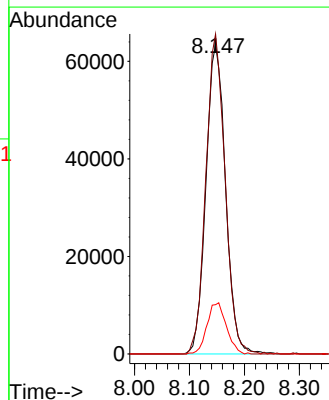
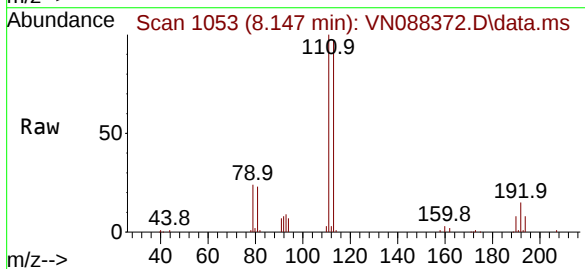
Tgt Ion:113 Resp: 157356

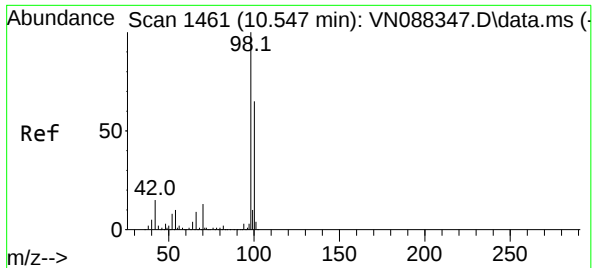
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 16.3 12.8 19.2

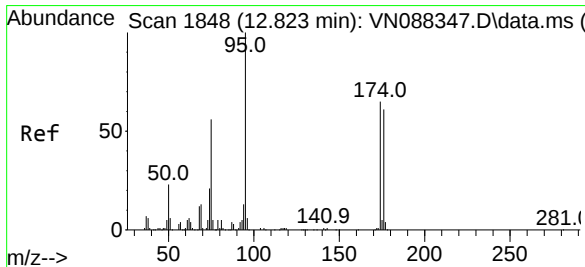
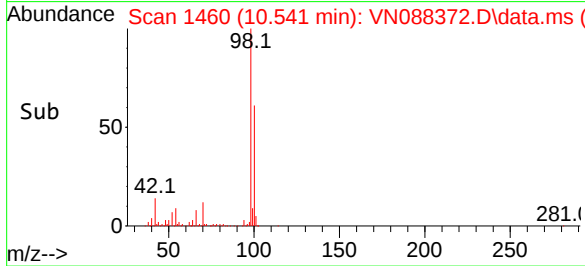
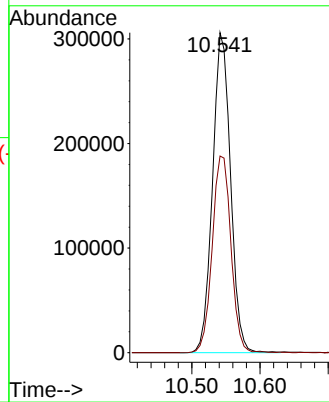
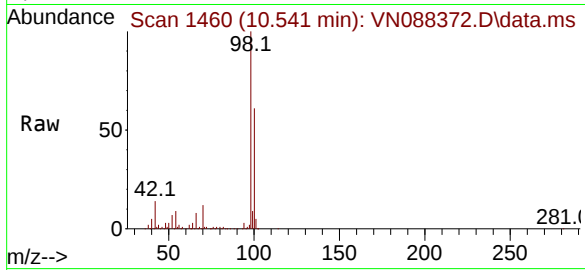




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

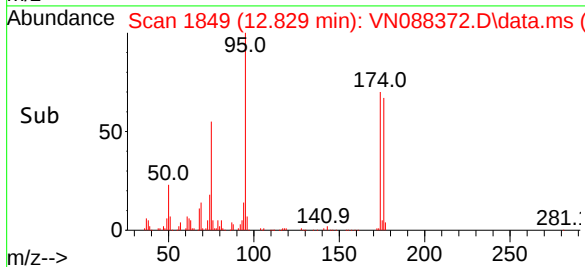
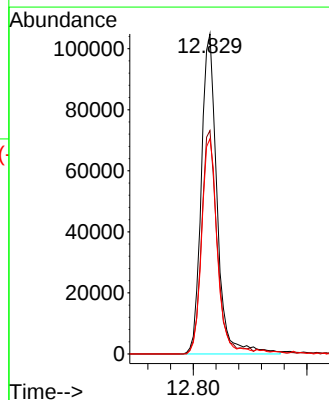
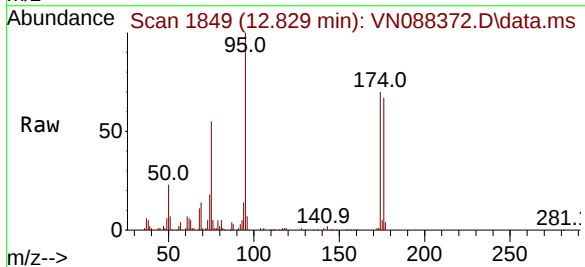
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

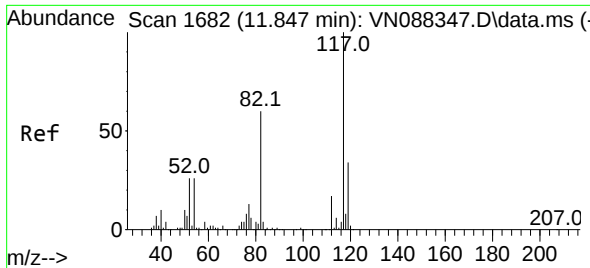
Tgt Ion: 98 Resp: 561082
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 52.426 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion: 95 Resp: 201912
Ion Ratio Lower Upper
95 100
174 69.2 0.0 139.0
176 67.0 0.0 132.4

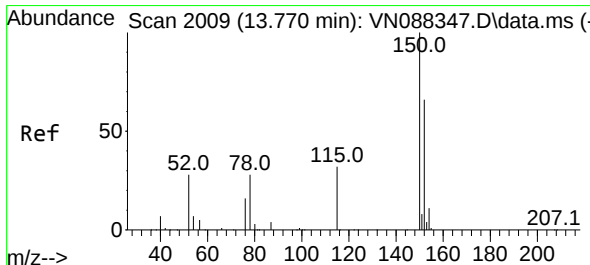
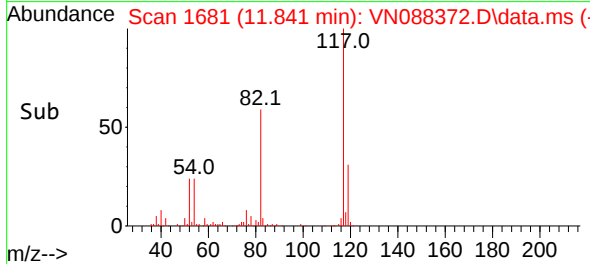
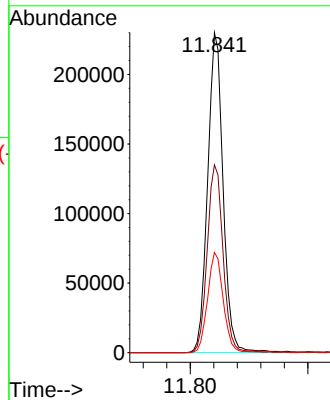
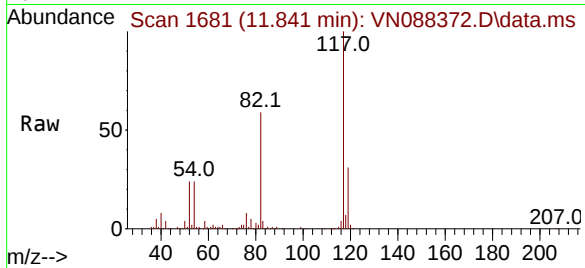




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

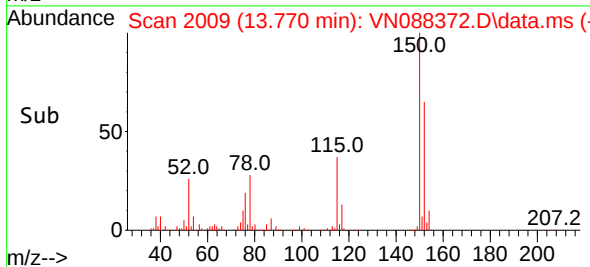
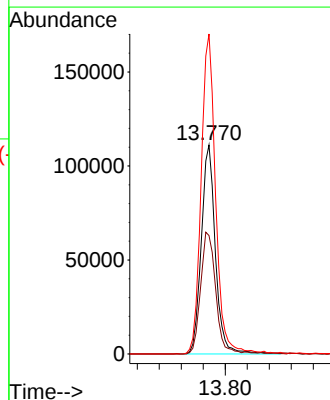
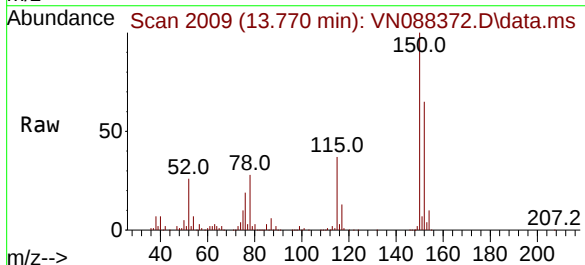
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	58.7	47.8	71.8
119	31.3	26.9	40.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

Tgt Ion	Ratio	Lower	Upper
152	100		
115	62.5	33.0	98.9
150	156.8	0.0	349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

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_N\methods\82N112425W.M

Title : SW846 8260

Signal : TIC: VN088372.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.412	921	928	937	rBV3	5682	16399	1.06%	0.202%
2	8.147	1042	1053	1058	rBV2	216362	540527	34.79%	6.646%
3	8.200	1058	1062	1077	rVB	276320	627960	40.42%	7.721%
4	8.559	1114	1123	1133	rBV	247884	561166	36.12%	6.900%
5	9.082	1203	1212	1228	rBV	535181	1099272	70.76%	13.516%
6	10.541	1452	1460	1475	rBV	822937	1553554	100.00%	19.101%
7	11.841	1672	1681	1694	rBV	756205	1399467	90.08%	17.207%
8	12.829	1841	1849	1859	rBV	529059	1004686	64.67%	12.353%
9	13.770	2001	2009	2027	rBV	716850	1330258	85.63%	16.356%

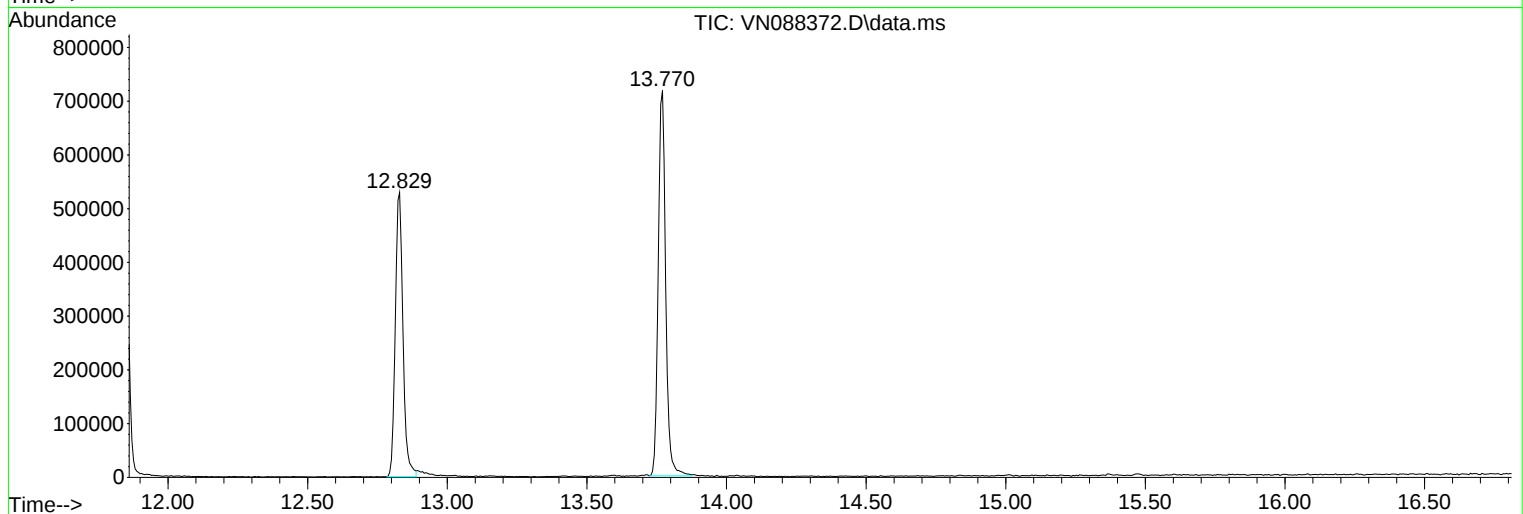
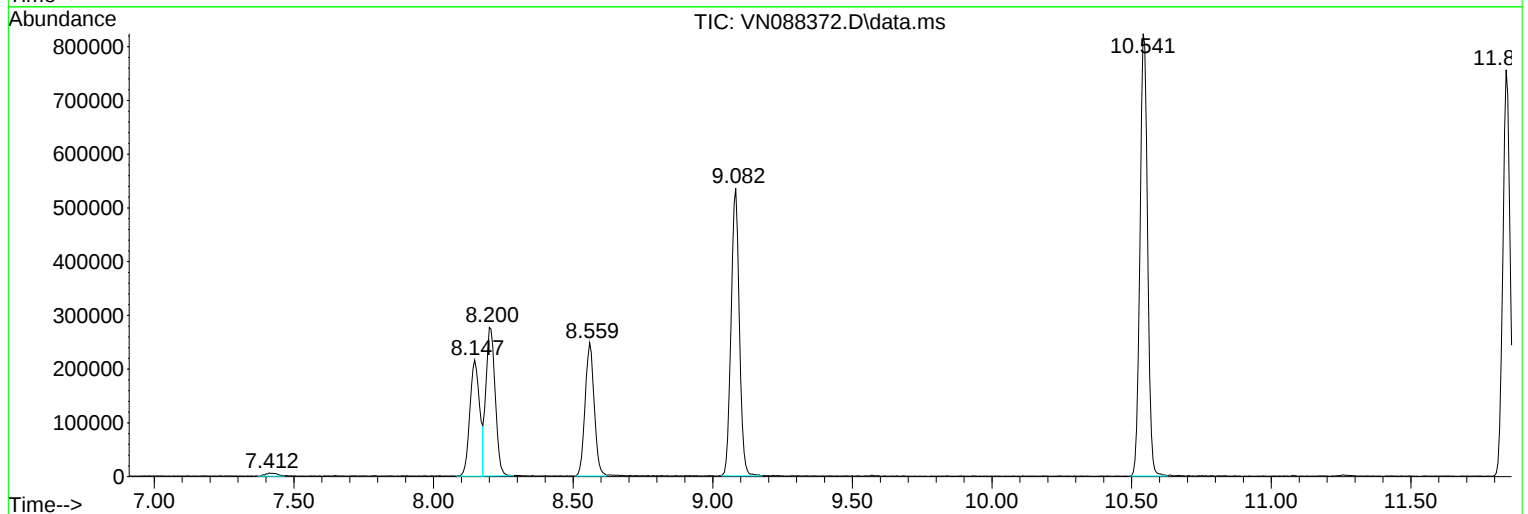
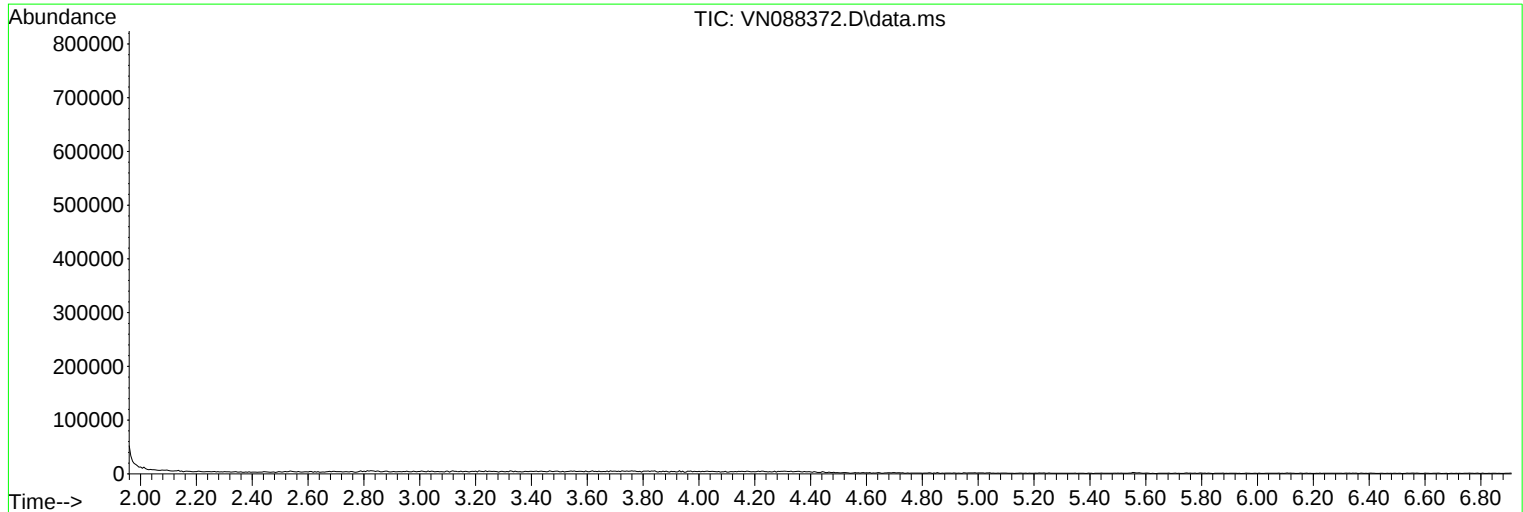
Sum of corrected areas: 8133289

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088372.D
Acq On : 01 Dec 2025 10:53
Operator : JC\MD
Sample : VN1201WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048674.D
 Acq On : 25 Nov 2025 10:38
 Operator : JC/MD
 Sample : VX1125WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBL01

A
B
C
D
E
F
G
H
I
J

Quant Time: Nov 26 00:57:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	5.538	168	175748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	347104	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	371931	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	201273	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	5.940	65	138616	56.603	ug/l	0.00
Spiked Amount	50.000	Range	78 - 117	Recovery	=	113.200%
35) Dibromofluoromethane	5.373	113	121627	46.297	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	92.600%
50) Toluene-d8	8.635	98	399765	48.791	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	=	97.580%
62) 4-Bromofluorobenzene	11.061	95	175172	57.369	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	=	114.740%

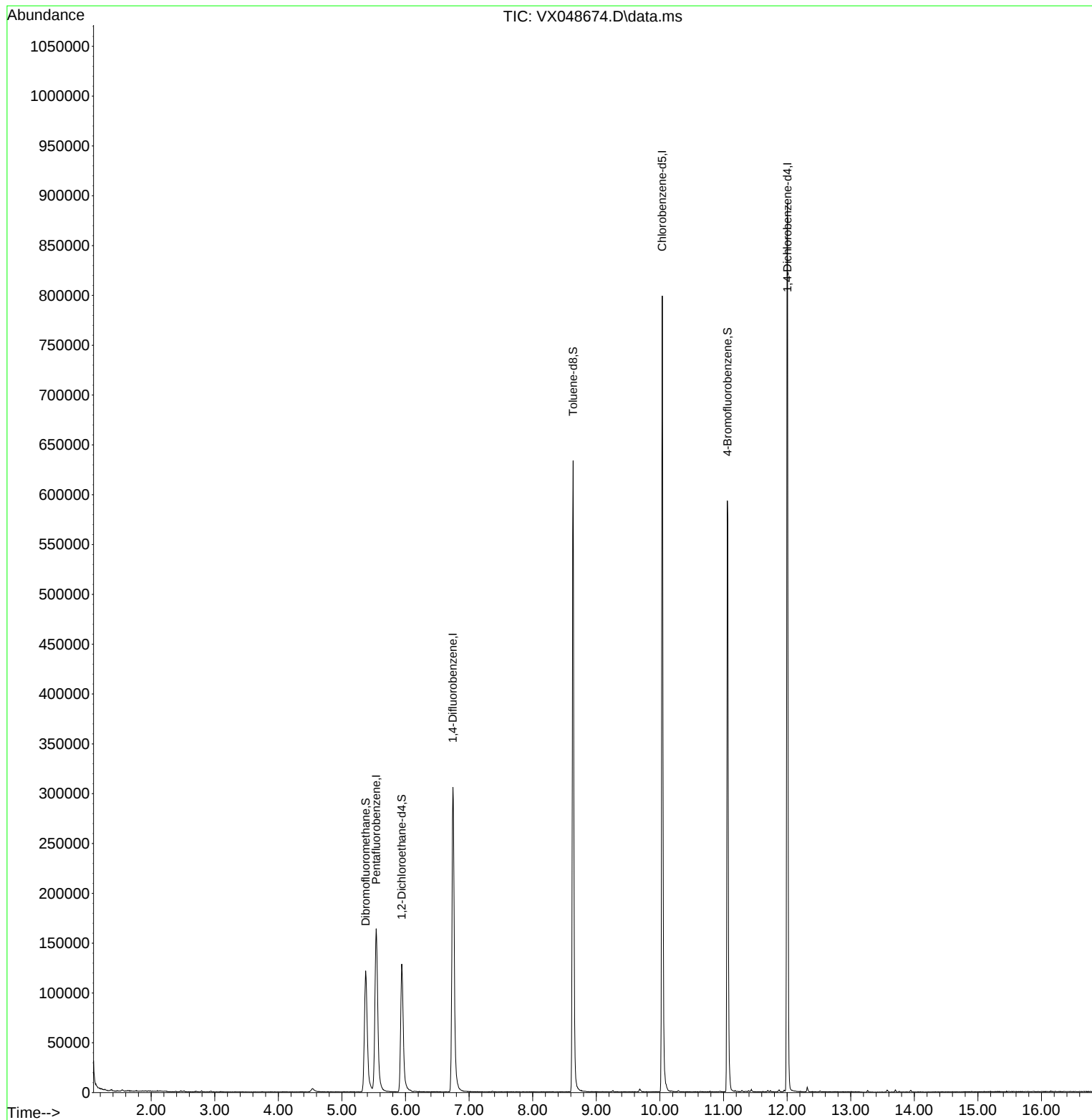
Target Compounds	Qvalue

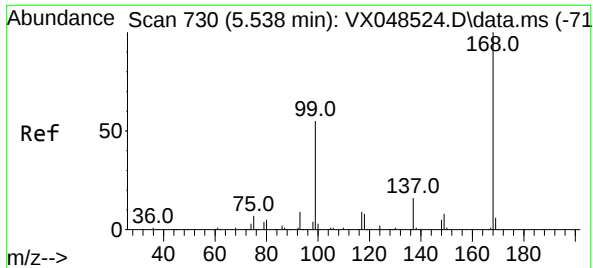
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048674.D
Acq On : 25 Nov 2025 10:38
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Time: Nov 26 00:57:28 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

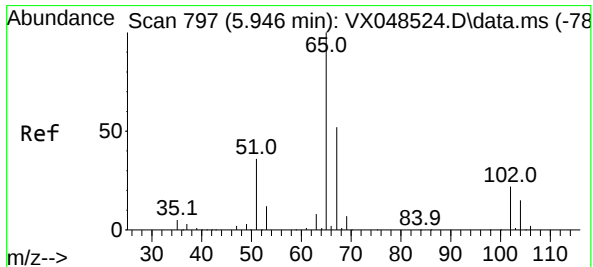
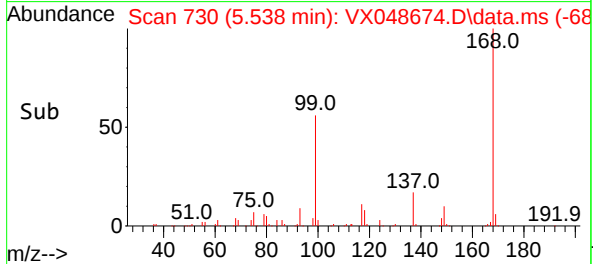
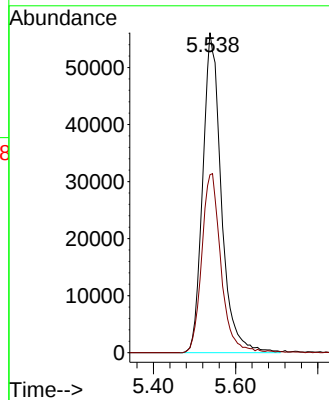
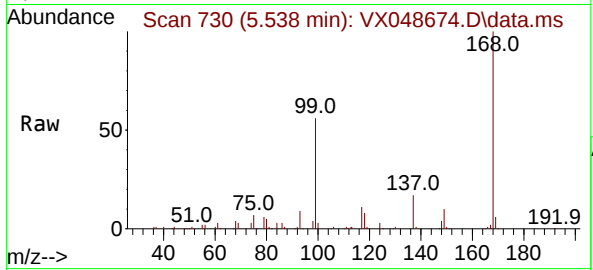




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 5.538 min Scan# 71
Delta R.T. -0.000 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

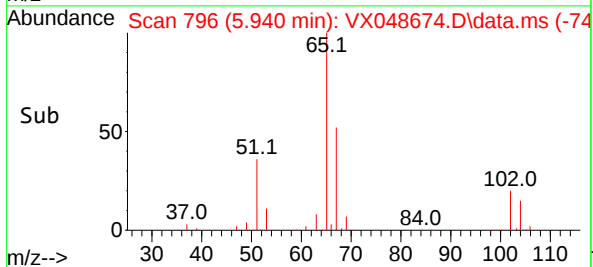
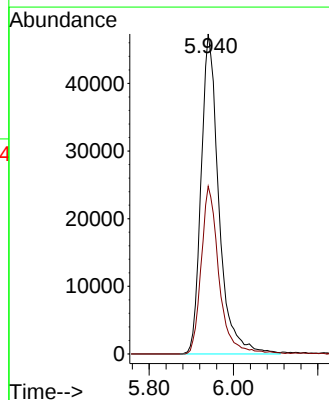
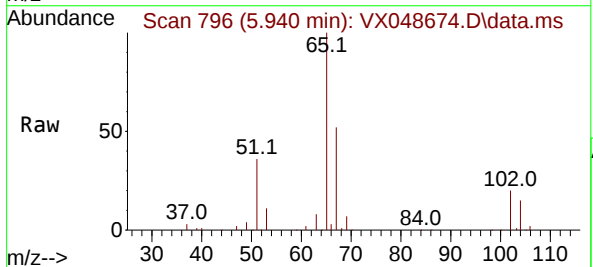
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

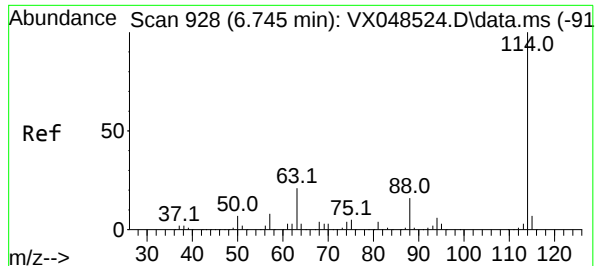
Tgt Ion:168 Resp: 175748
Ion Ratio Lower Upper
168 100
99 55.6 45.2 67.8



#33
1,2-Dichloroethane-d4
Concen: 56.603 ug/l
RT: 5.940 min Scan# 796
Delta R.T. -0.006 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

Tgt Ion: 65 Resp: 138616
Ion Ratio Lower Upper
65 100
67 52.1 0.0 106.2





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 6.745 min Scan# 91

Delta R.T. -0.000 min

Lab File: VX048674.D

Acq: 25 Nov 2025 10:38

Instrument :

MSVOA_X

ClientSampleId :

VX1125WBL01

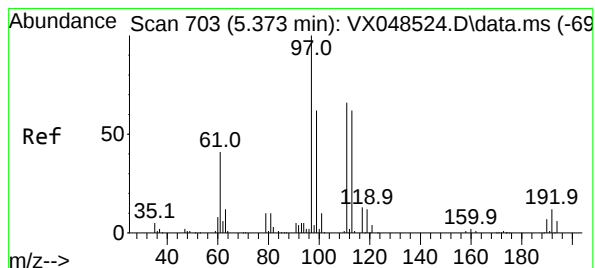
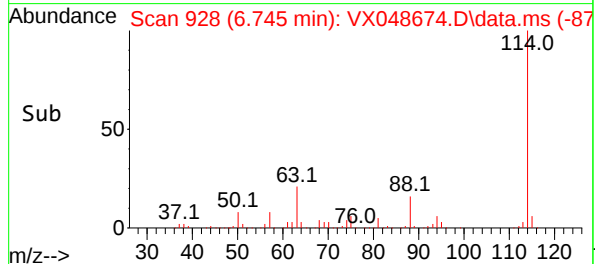
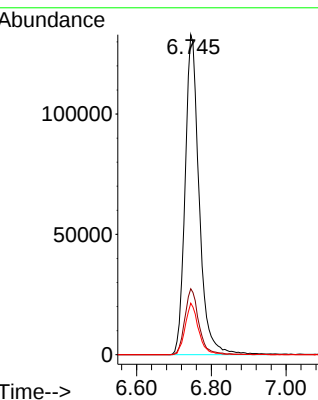
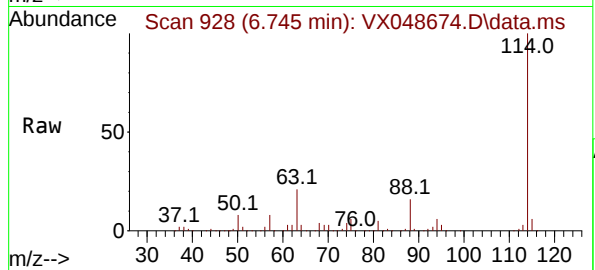
Tgt Ion:114 Resp: 347104

Ion Ratio Lower Upper

114 100

63 20.6 0.0 41.2

88 16.1 0.0 32.2



#35

Dibromofluoromethane

Concen: 46.297 ug/l

RT: 5.373 min Scan# 703

Delta R.T. -0.000 min

Lab File: VX048674.D

Acq: 25 Nov 2025 10:38

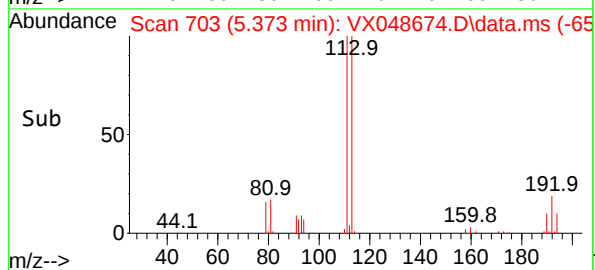
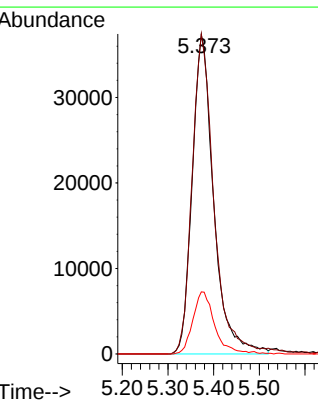
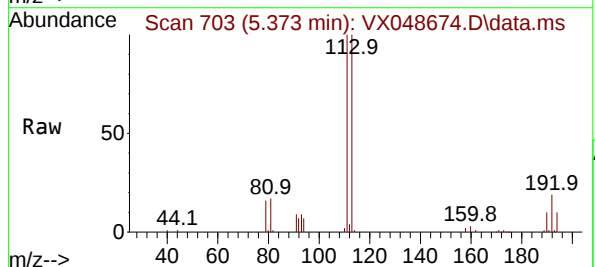
Tgt Ion:113 Resp: 121627

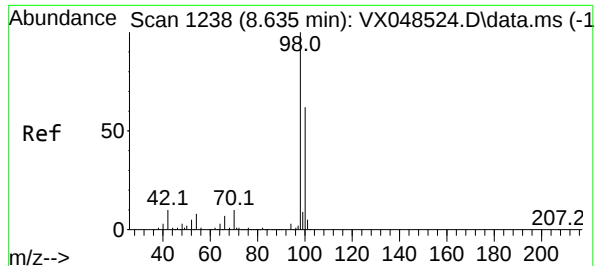
Ion Ratio Lower Upper

113 100

111 102.3 81.9 122.9

192 19.6 15.8 23.6

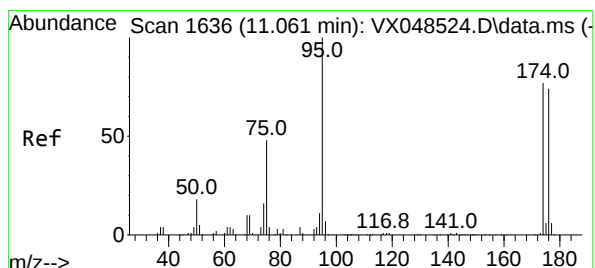
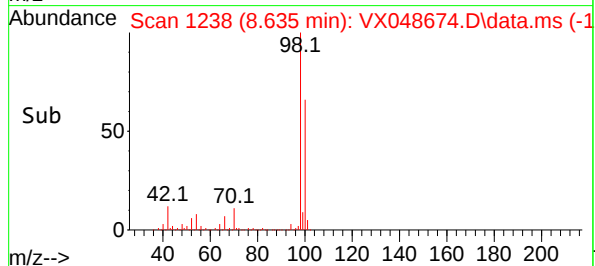
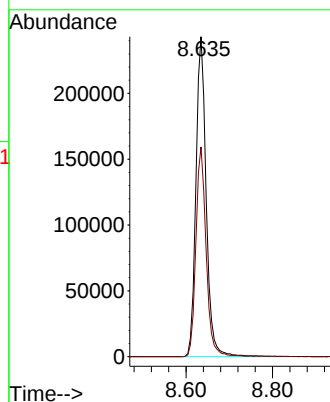
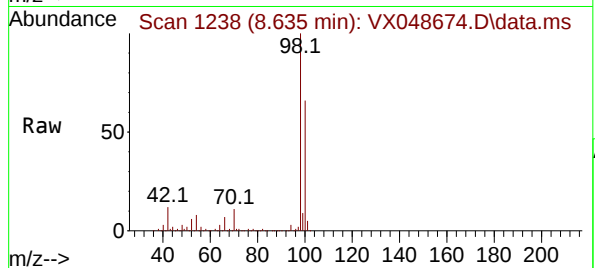




#50
Toluene-d8
Concen: 48.791 ug/l
RT: 8.635 min Scan# 11
Delta R.T. -0.000 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

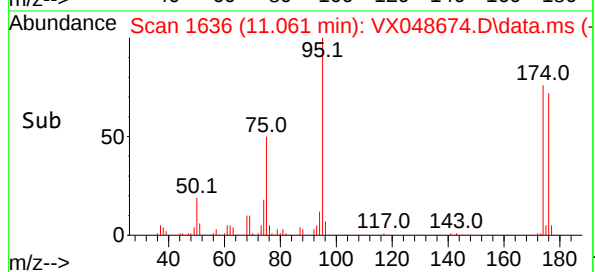
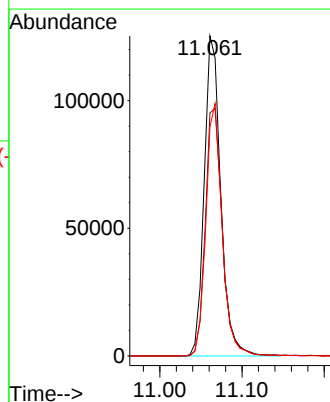
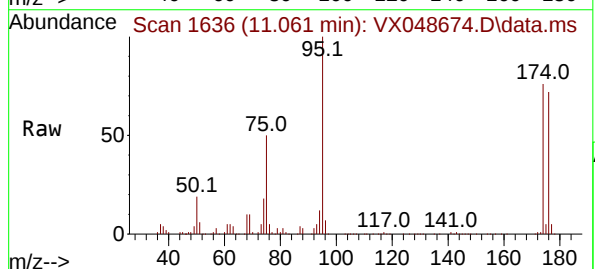
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

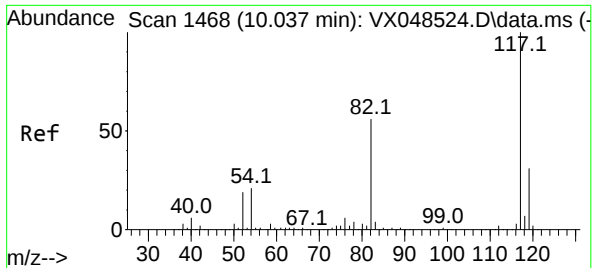
Tgt Ion: 98 Resp: 399765
Ion Ratio Lower Upper
98 100
100 65.3 53.6 80.4



#62
4-Bromofluorobenzene
Concen: 57.369 ug/l
RT: 11.061 min Scan# 1636
Delta R.T. -0.000 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

Tgt Ion: 95 Resp: 175172
Ion Ratio Lower Upper
95 100
174 79.6 0.0 161.8
176 77.6 0.0 153.6

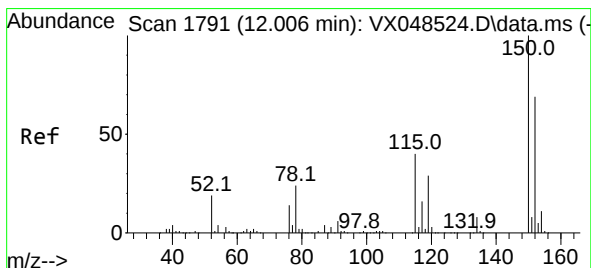
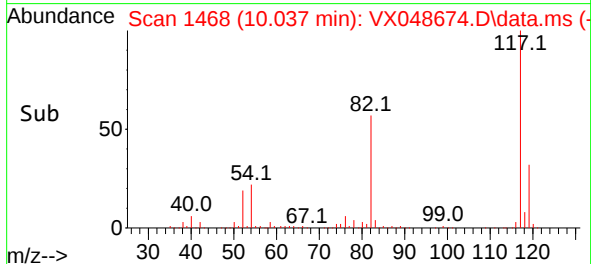
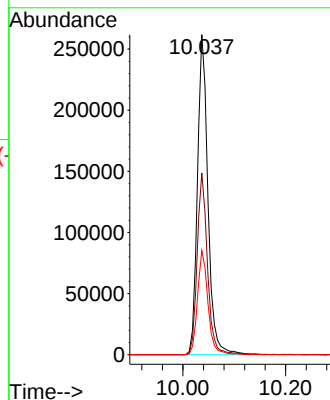
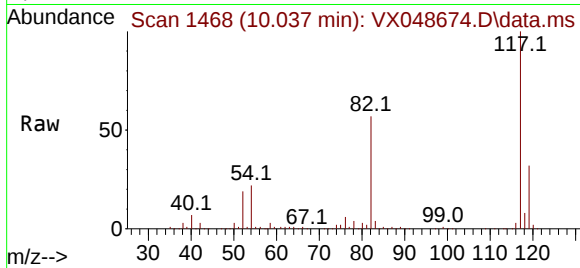




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 10.037 min Scan# 1468
Delta R.T. -0.000 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

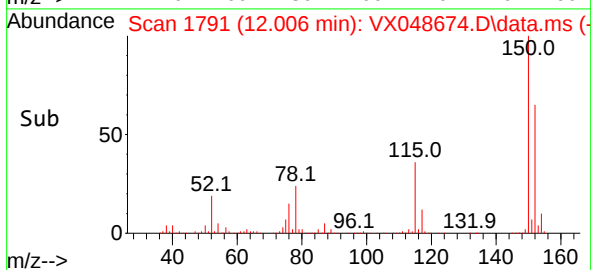
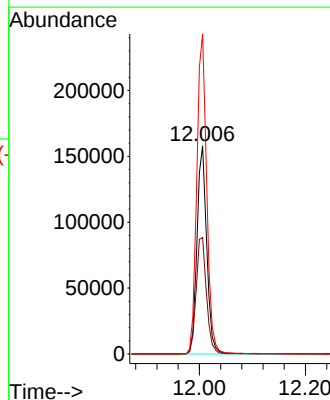
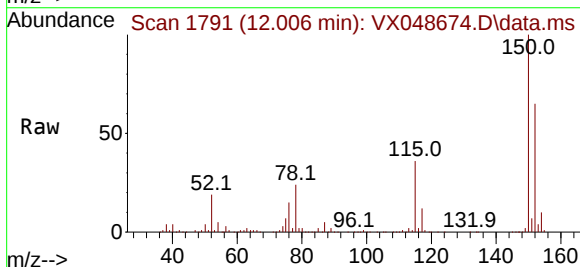
Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Tgt Ion	Ratio	Lower	Upper
117	100		
82	56.8	44.4	66.6
119	32.5	25.1	37.7



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 12.006 min Scan# 1791
Delta R.T. -0.000 min
Lab File: VX048674.D
Acq: 25 Nov 2025 10:38

Tgt Ion	Ratio	Lower	Upper
152	100		
115	59.2	39.2	117.6
150	156.4	0.0	347.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048674.D
 Acq On : 25 Nov 2025 10:38
 Operator : JC/MD
 Sample : VX1125WBL01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBL01

Integration Parameters: RTEINT.P

Integrator: RTE

Smoothing : ON

Filtering: 5

Sampling : 1

Min Area: 3 % of largest Peak

Start Thrs: 0.2

Max Peaks: 100

Stop Thrs : 0

Peak Location: TOP

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

Peak separation: 5

Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M

Title : SW846 8260

Signal : TIC: VX048674.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	4.538	556	566	579	rBV4	3350	12400	1.04%	0.197%
2	5.373	692	703	720	rBV	121575	391637	32.81%	6.225%
3	5.538	720	730	748	rVB	161813	501502	42.02%	7.971%
4	5.940	785	796	811	rBV	128309	372058	31.17%	5.914%
5	6.745	919	928	956	rBV	305689	800011	67.03%	12.716%
6	8.635	1231	1238	1256	rBV	633462	1044587	87.52%	16.603%
7	10.037	1462	1468	1484	rBV	798820	1131086	94.77%	17.978%
8	11.061	1631	1636	1652	rBV	593283	844633	70.77%	13.425%
9	12.006	1785	1791	1811	rBV	891289	1193497	100.00%	18.970%

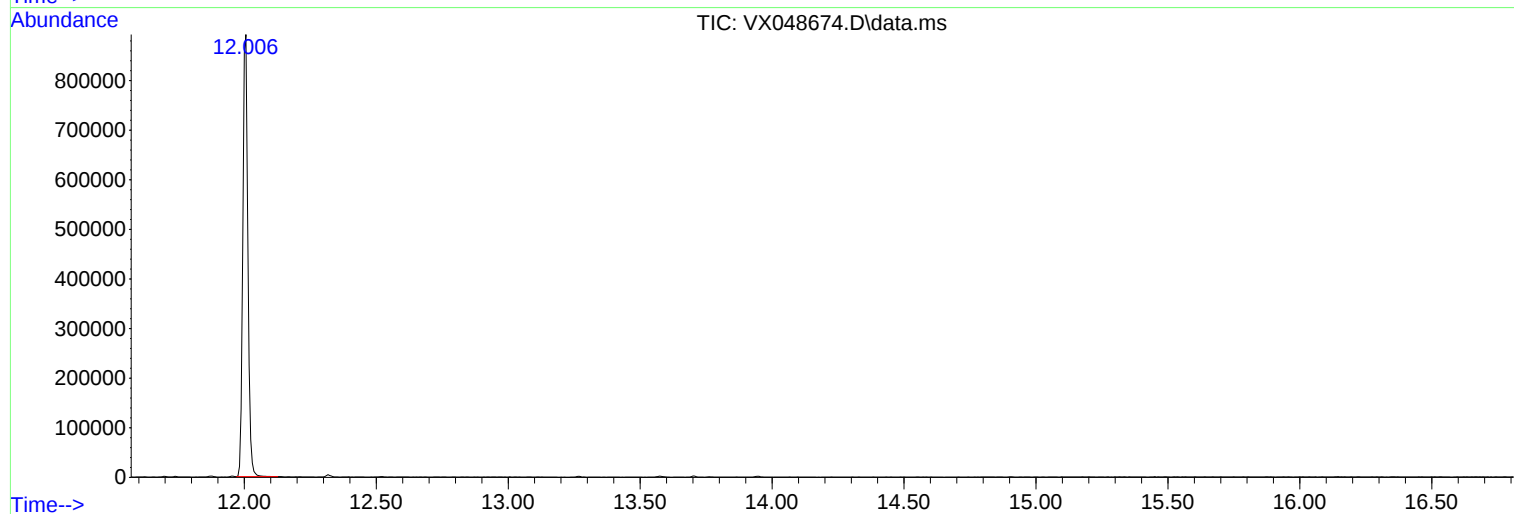
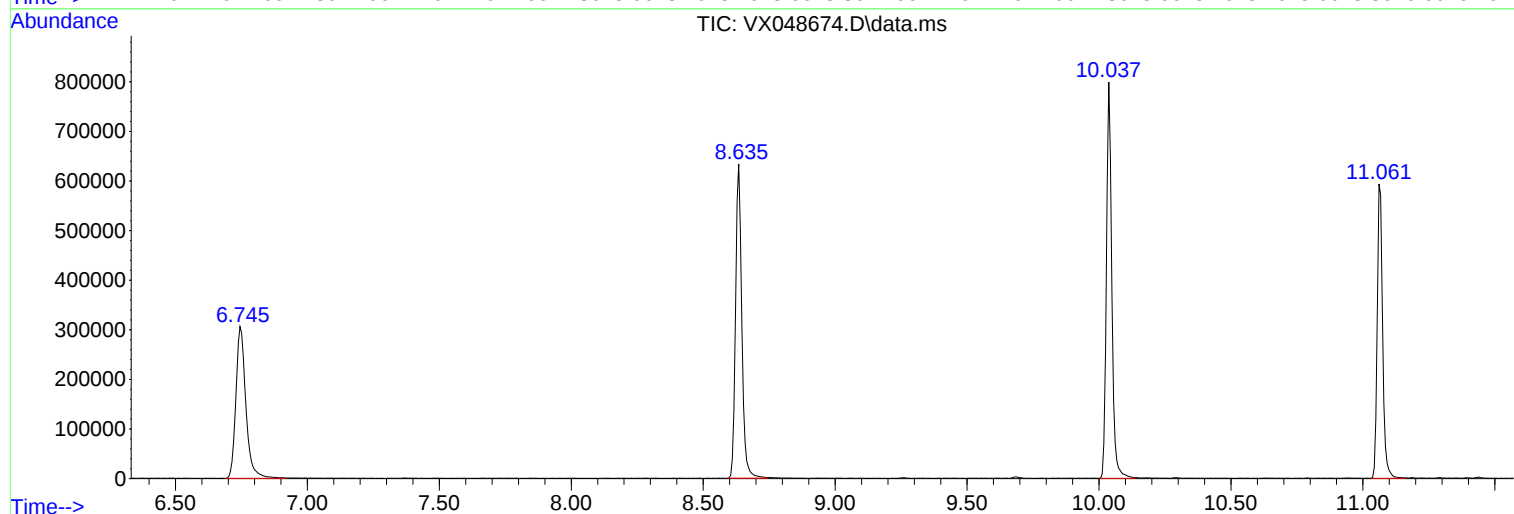
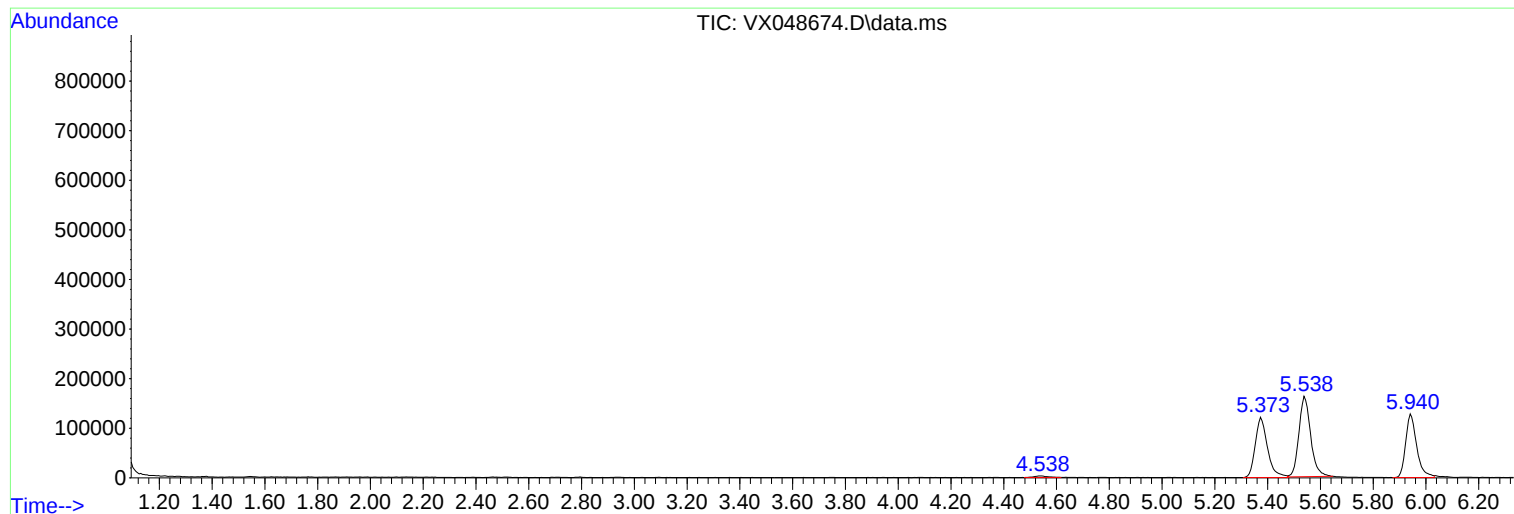
Sum of corrected areas: 6291411

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048674.D
Acq On : 25 Nov 2025 10:38
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048674.D
Acq On : 25 Nov 2025 10:38
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

No Library Search Compounds Detected

A

B

C

D

E

F

G

H

I

J

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048674.D
Acq On : 25 Nov 2025 10:38
Operator : JC/MD
Sample : VX1125WBL01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBL01

A

B

C

D

E

F

G

H

I

J

Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260

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

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

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088373.D
 Acq On : 01 Dec 2025 11:27
 Operator : JC\MD
 Sample : VN1201WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	256678	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	487472	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	435019	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	207303	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	271013	56.049	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 112.100%	
35) Dibromofluoromethane	8.147	113	186190	55.116	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 110.240%	
50) Toluene-d8	10.541	98	690335	54.922	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 109.840%	
62) 4-Bromofluorobenzene	12.829	95	230018	53.334	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 106.660%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	70210	18.211	ug/l	99
3) Chloromethane	2.383	50	80214	19.372	ug/l	94
4) Vinyl Chloride	2.536	62	79487	18.870	ug/l	99
5) Bromomethane	2.989	94	39940	19.700	ug/l	96
6) Chloroethane	3.142	64	50911	19.530	ug/l	99
7) Trichlorofluoromethane	3.512	101	109953	18.572	ug/l	94
8) Diethyl Ether	3.965	74	43004	19.352	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	58508	18.563	ug/l	97
10) Methyl Iodide	4.583	142	59901	19.198	ug/l	98
11) Tert butyl alcohol	5.512	59	67525	87.469	ug/l	97
12) 1,1-Dichloroethene	4.336	96	59547	19.015	ug/l	87
13) Acrolein	4.177	56	88765	120.102	ug/l	97
14) Allyl chloride	5.018	41	108153	18.633	ug/l	98
15) Acrylonitrile	5.706	53	218028	97.888	ug/l	98
16) Acetone	4.418	43	153779	87.939	ug/l	94
17) Carbon Disulfide	4.706	76	198994	19.446	ug/l	100
18) Methyl Acetate	5.018	43	99423	19.100	ug/l	98
19) Methyl tert-butyl Ether	5.783	73	233707	19.919	ug/l	100
20) Methylene Chloride	5.271	84	74861	20.009	ug/l	83
21) trans-1,2-Dichloroethene	5.771	96	68123	19.638	ug/l	89
22) Diisopropyl ether	6.653	45	255505	20.619	ug/l	93
23) Vinyl Acetate	6.589	43	1003026m	100.465	ug/l	
24) 1,1-Dichloroethane	6.547	63	139057	19.816	ug/l	100
25) 2-Butanone	7.465	43	269940	96.022	ug/l	97
26) 2,2-Dichloropropane	7.471	77	115800	19.118	ug/l	98
27) cis-1,2-Dichloroethene	7.465	96	80954	20.080	ug/l	98
28) Bromochloromethane	7.789	49	67630	19.346	ug/l #	98
29) Tetrahydrofuran	7.818	42	200576	99.471	ug/l	99
30) Chloroform	7.941	83	140173	20.329	ug/l	100
31) Cyclohexane	8.241	56	114116	17.945	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	114251	18.845	ug/l	96
36) 1,1-Dichloropropene	8.353	75	93124	17.862	ug/l	99
37) Ethyl Acetate	7.547	43	129007	18.819	ug/l	100
38) Carbon Tetrachloride	8.341	117	94912	18.287	ug/l	96
39) Methylcyclohexane	9.583	83	95473	17.120	ug/l	97
40) Benzene	8.588	78	296136	19.353	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088373.D
 Acq On : 01 Dec 2025 11:27
 Operator : JC\MD
 Sample : VN1201WBS01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBS01

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:10:02 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63234	18.624	ug/l	98
42) 1,2-Dichloroethane	8.653	62	114468	19.607	ug/l	98
43) Isopropyl Acetate	8.671	43	195071	18.624	ug/l	98
44) Trichloroethene	9.330	130	67826	18.759	ug/l	95
45) 1,2-Dichloropropane	9.600	63	77770	19.837	ug/l	93
46) Dibromomethane	9.688	93	55251	19.747	ug/l	98
47) Bromodichloromethane	9.871	83	111551	19.540	ug/l	92
48) Methyl methacrylate	9.659	41	87729	18.357	ug/l	97
49) 1,4-Dioxane	9.683	88	21595	355.324	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	606997	98.320	ug/l	100
52) Toluene	10.606	92	172323	19.503	ug/l	99
53) t-1,3-Dichloropropene	10.812	75	116655	19.908	ug/l	98
54) cis-1,3-Dichloropropene	10.294	75	123675	20.070	ug/l	99
55) 1,1,2-Trichloroethane	10.994	97	68939	20.166	ug/l	96
56) Ethyl methacrylate	10.859	69	106640	19.749	ug/l	96
57) 1,3-Dichloropropane	11.141	76	122169	19.810	ug/l	98
58) 2-Chloroethyl Vinyl ether	10.135	63	278967	89.610	ug/l	97
59) 2-Hexanone	11.177	43	363554	93.479	ug/l	98
60) Dibromochloromethane	11.335	129	78151	20.054	ug/l	97
61) 1,2-Dibromoethane	11.447	107	71254	20.583	ug/l	98
64) Tetrachloroethene	11.082	164	61757	17.907	ug/l	96
65) Chlorobenzene	11.871	112	190129	19.458	ug/l	97
66) 1,1,1,2-Tetrachloroethane	11.935	131	65977	20.020	ug/l	98
67) Ethyl Benzene	11.941	91	316848	18.553	ug/l	99
68) m/p-Xylenes	12.047	106	234320	37.005	ug/l	97
69) o-Xylene	12.376	106	110515	18.307	ug/l	100
70) Styrene	12.388	104	191890	19.577	ug/l	99
71) Bromoform	12.559	173	48189	19.963	ug/l #	99
73) Isopropylbenzene	12.676	105	285585	18.632	ug/l	99
74) N-amyl acetate	12.682	43	103450m	19.818	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.912	83	99427	20.065	ug/l	97
76) 1,2,3-Trichloropropane	12.971	75	95762m	19.723	ug/l	
77) Bromobenzene	12.959	156	70858	20.205	ug/l	97
78) n-propylbenzene	13.012	91	349255	18.625	ug/l	100
79) 2-Chlorotoluene	13.100	91	213346	18.631	ug/l	98
80) 1,3,5-Trimethylbenzene	13.147	105	239698	18.872	ug/l	98
81) trans-1,4-Dichloro-2-b...	12.718	75	31603	18.465	ug/l #	98
82) 4-Chlorotoluene	13.200	91	222136	19.531	ug/l	99
83) tert-Butylbenzene	13.412	119	195850	18.139	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	244186	19.342	ug/l	99
85) sec-Butylbenzene	13.594	105	282563	18.217	ug/l	100
86) p-Isopropyltoluene	13.706	119	237355	18.661	ug/l	99
87) 1,3-Dichlorobenzene	13.712	146	129958	19.036	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	131944	18.451	ug/l	97
89) n-Butylbenzene	14.029	91	220480	17.853	ug/l	100
90) Hexachloroethane	14.306	117	42679	18.368	ug/l	95
91) 1,2-Dichlorobenzene	14.082	146	124887	19.439	ug/l	98
92) 1,2-Dibromo-3-Chloropr...	14.694	75	21886	18.204	ug/l	99
93) 1,2,4-Trichlorobenzene	15.365	180	70611	18.498	ug/l	98
94) Hexachlorobutadiene	15.470	225	24611	17.942	ug/l	99
95) Naphthalene	15.612	128	234599	17.736	ug/l	99
96) 1,2,3-Trichlorobenzene	15.812	180	68004	18.306	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

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

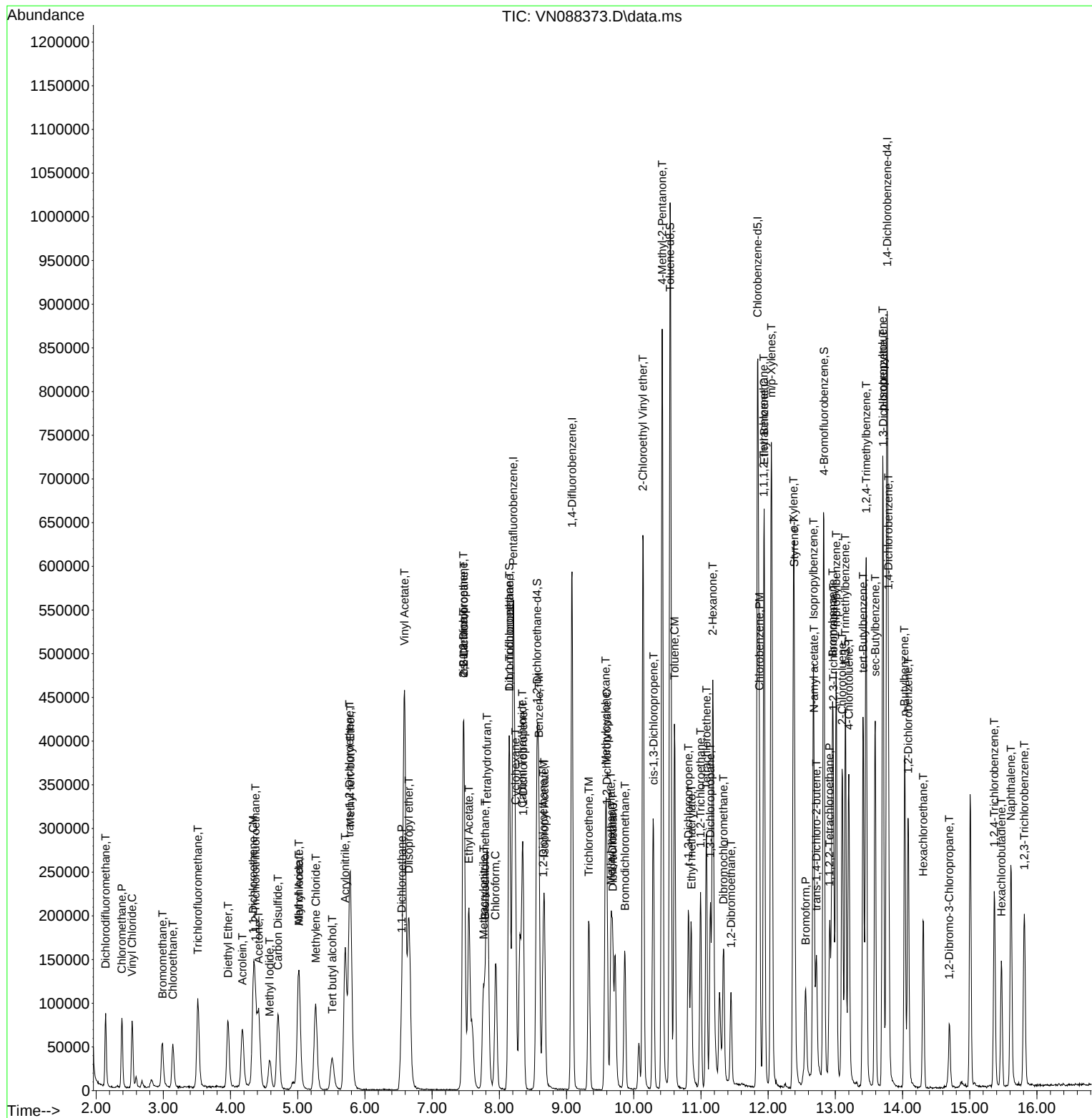
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088373.D
Acq On : 01 Dec 2025 11:27
Operator : JC\MD
Sample : VN1201WBS01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 6 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

Manual Integrations

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:10:02 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048675.D
 Acq On : 25 Nov 2025 11:05
 Operator : JC/MD
 Sample : VX1125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBS01

Quant Time: Nov 26 00:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : John Carlone 11/26/2025
 Supervised By : Mahesh Dadoda 11/26/2025

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

Internal Standards						
1) Pentafluorobenzene	5.531	168	152887	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	6.745	114	255033	50.000	ug/l	0.00
63) Chlorobenzene-d5	10.037	117	234446	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	12.006	152	118863	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	5.934	65	109025	51.177	ug/l	-0.01
Spiked Amount	50.000	Range	78 - 117	Recovery	= 102.360%	
35) Dibromofluoromethane	5.367	113	88585	45.893	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 91.780%	
50) Toluene-d8	8.628	98	301514	50.084	ug/l	0.00
Spiked Amount	50.000	Range	92 - 112	Recovery	= 100.160%	
62) 4-Bromofluorobenzene	11.061	95	110201	49.120	ug/l	0.00
Spiked Amount	50.000	Range	83 - 123	Recovery	= 98.240%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	1.172	85	22127	17.861	ug/l	94
3) Chloromethane	1.300	50	24295	14.786	ug/l	99
4) Vinyl Chloride	1.380	62	36219	19.468	ug/l	99
5) Bromomethane	1.617	94	25740	21.911	ug/l	97
6) Chloroethane	1.697	64	23018	18.893	ug/l	99
7) Trichlorofluoromethane	1.892	101	59009	20.049	ug/l	99
8) Diethyl Ether	2.130	74	22761	19.266	ug/l	92
9) 1,1,2-Trichlorotrifluo...	2.337	101	34759	20.400	ug/l	98
10) Methyl Iodide	2.453	142	42210	16.739	ug/l	94
11) Tert butyl alcohol	2.934	59	36758	91.058	ug/l	96
12) 1,1-Dichloroethene	2.325	96	33081	18.587	ug/l	97
13) Acrolein	2.233	56	6194	106.049	ug/l	98
14) Allyl chloride	2.666	41	66933	20.199	ug/l	96
15) Acrylonitrile	3.056	53	98033	83.190	ug/l	97
16) Acetone	2.367	43	93404	92.625	ug/l	93
17) Carbon Disulfide	2.514	76	80445	16.062	ug/l	97
18) Methyl Acetate	2.697	43	62349	22.498	ug/l	97
19) Methyl tert-butyl Ether	3.105	73	112823	17.951	ug/l	98
20) Methylene Chloride	2.788	84	40943	19.749	ug/l	89
21) trans-1,2-Dichloroethene	3.087	96	31963	16.945	ug/l	93
22) Diisopropyl ether	3.745	45	106967	16.811	ug/l	98
23) Vinyl Acetate	3.709	43	440895	79.117	ug/l	97
24) 1,1-Dichloroethane	3.599	63	60180	17.237	ug/l	99
25) 2-Butanone	4.532	43	123469	82.766	ug/l	99
26) 2,2-Dichloropropane	4.458	77	52507	17.641	ug/l	97
27) cis-1,2-Dichloroethene	4.477	96	41109	17.829	ug/l	97
28) Bromochloromethane	4.879	49	36231	21.124	ug/l	95
29) Tetrahydrofuran	4.989	42	109256	102.688	ug/l	99
30) Chloroform	5.074	83	78377	21.745	ug/l	99
31) Cyclohexane	5.458	56	53720	18.779	ug/l	97
32) 1,1,1-Trichloroethane	5.367	97	66040	20.995	ug/l	97
36) 1,1-Dichloropropene	5.672	75	48847	18.899	ug/l	99
37) Ethyl Acetate	4.696	43	61527m	16.911	ug/l	
38) Carbon Tetrachloride	5.659	117	59766	20.313	ug/l	97
39) Methylcyclohexane	7.360	83	53181	18.325	ug/l	97
40) Benzene	6.025	78	153258	19.129	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
 Data File : VX048675.D
 Acq On : 25 Nov 2025 11:05
 Operator : JC/MD
 Sample : VX1125WBS01
 Misc : 5.0mL/MSVOA_X/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_X
 ClientSampleId :
 VX1125WBS01

Quant Time: Nov 26 00:57:44 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
 Quant Title : SW846 8260
 QLast Update : Sat Nov 08 05:08:11 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :John Carlone 11/26/2025
 Supervised By :Mahesh Dadoda 11/26/2025

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	4.891	41	33806	21.128	ug/l	98
42) 1,2-Dichloroethane	6.068	62	56550	20.600	ug/l	99
43) Isopropyl Acetate	6.318	43	100417	19.634	ug/l	99
44) Trichloroethene	7.110	130	38829	20.275	ug/l	99
45) 1,2-Dichloropropane	7.409	63	39781	21.594	ug/l	100
46) Dibromomethane	7.561	93	29613	22.039	ug/l	96
47) Bromodichloromethane	7.799	83	62360	23.264	ug/l	97
48) Methyl methacrylate	7.671	41	49966	21.977	ug/l	96
49) 1,4-Dioxane	7.641	88	13134	379.127	ug/l #	86
51) 4-Methyl-2-Pentanone	8.555	43	351138	120.614	ug/l	96
52) Toluene	8.702	92	93662	22.204	ug/l	96
53) t-1,3-Dichloropropene	8.964	75	62706	22.703	ug/l	95
54) cis-1,3-Dichloropropene	8.348	75	64782	22.651	ug/l	95
55) 1,1,2-Trichloroethane	9.134	97	40322	23.926	ug/l	97
56) Ethyl methacrylate	9.098	69	62837	22.411	ug/l	94
57) 1,3-Dichloropropane	9.293	76	66685	22.733	ug/l	100
58) 2-Chloroethyl Vinyl ether	8.226	63	153820	102.040	ug/l	99
59) 2-Hexanone	9.415	43	257854	119.070	ug/l	96
60) Dibromochloromethane	9.506	129	49363	23.856	ug/l	99
61) 1,2-Dibromoethane	9.592	107	41447	22.706	ug/l	98
64) Tetrachloroethene	9.256	164	32185	18.901	ug/l	96
65) Chlorobenzene	10.061	112	105854	19.023	ug/l	98
66) 1,1,1,2-Tetrachloroethane	10.146	131	38749	20.782	ug/l	97
67) Ethyl Benzene	10.177	91	180626	19.330	ug/l	99
68) m/p-Xylenes	10.287	106	136619	38.820	ug/l	95
69) o-Xylene	10.622	106	66180	19.220	ug/l	98
70) Styrene	10.640	104	117078	20.270	ug/l	98
71) Bromoform	10.780	173	34220	19.894	ug/l #	100
73) Isopropylbenzene	10.945	105	172094	19.946	ug/l	100
74) N-amyl acetate	10.823	43	85016	19.624	ug/l	97
75) 1,1,2,2-Tetrachloroethane	11.195	83	61624	20.254	ug/l	99
76) 1,2,3-Trichloropropane	11.219	75	49164m	17.169	ug/l	
77) Bromobenzene	11.177	156	44598	20.018	ug/l	96
78) n-propylbenzene	11.286	91	202964	20.006	ug/l	100
79) 2-Chlorotoluene	11.347	91	123789	20.193	ug/l	98
80) 1,3,5-Trimethylbenzene	11.433	105	141282	20.087	ug/l	96
81) trans-1,4-Dichloro-2-b...	11.000	75	19410	19.388	ug/l #	85
82) 4-Chlorotoluene	11.439	91	145988	20.302	ug/l	98
83) tert-Butylbenzene	11.695	119	145973	20.065	ug/l	98
84) 1,2,4-Trimethylbenzene	11.731	105	143093	20.163	ug/l	99
85) sec-Butylbenzene	11.872	105	179563	19.971	ug/l	100
86) p-Isopropyltoluene	11.994	119	153747	20.339	ug/l	97
87) 1,3-Dichlorobenzene	11.951	146	82209	19.688	ug/l	99
88) 1,4-Dichlorobenzene	12.024	146	84197	19.521	ug/l	98
89) n-Butylbenzene	12.317	91	139614	19.688	ug/l	100
90) Hexachloroethane	12.518	117	28897	20.064	ug/l	100
91) 1,2-Dichlorobenzene	12.317	146	79354	19.796	ug/l	100
92) 1,2-Dibromo-3-Chloropr...	12.926	75	14359	20.308	ug/l	94
93) 1,2,4-Trichlorobenzene	13.567	180	50576	18.987	ug/l	97
94) Hexachlorobutadiene	13.707	225	21406	19.224	ug/l	96
95) Naphthalene	13.756	128	164281	19.182	ug/l	99
96) 1,2,3-Trichlorobenzene	13.944	180	47215	19.056	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048675.D
Acq On : 25 Nov 2025 11:05
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Quant Time: Nov 26 00:57:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By :John Carlone 11/26/2025
Supervised By :Mahesh Dadoda 11/26/2025

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

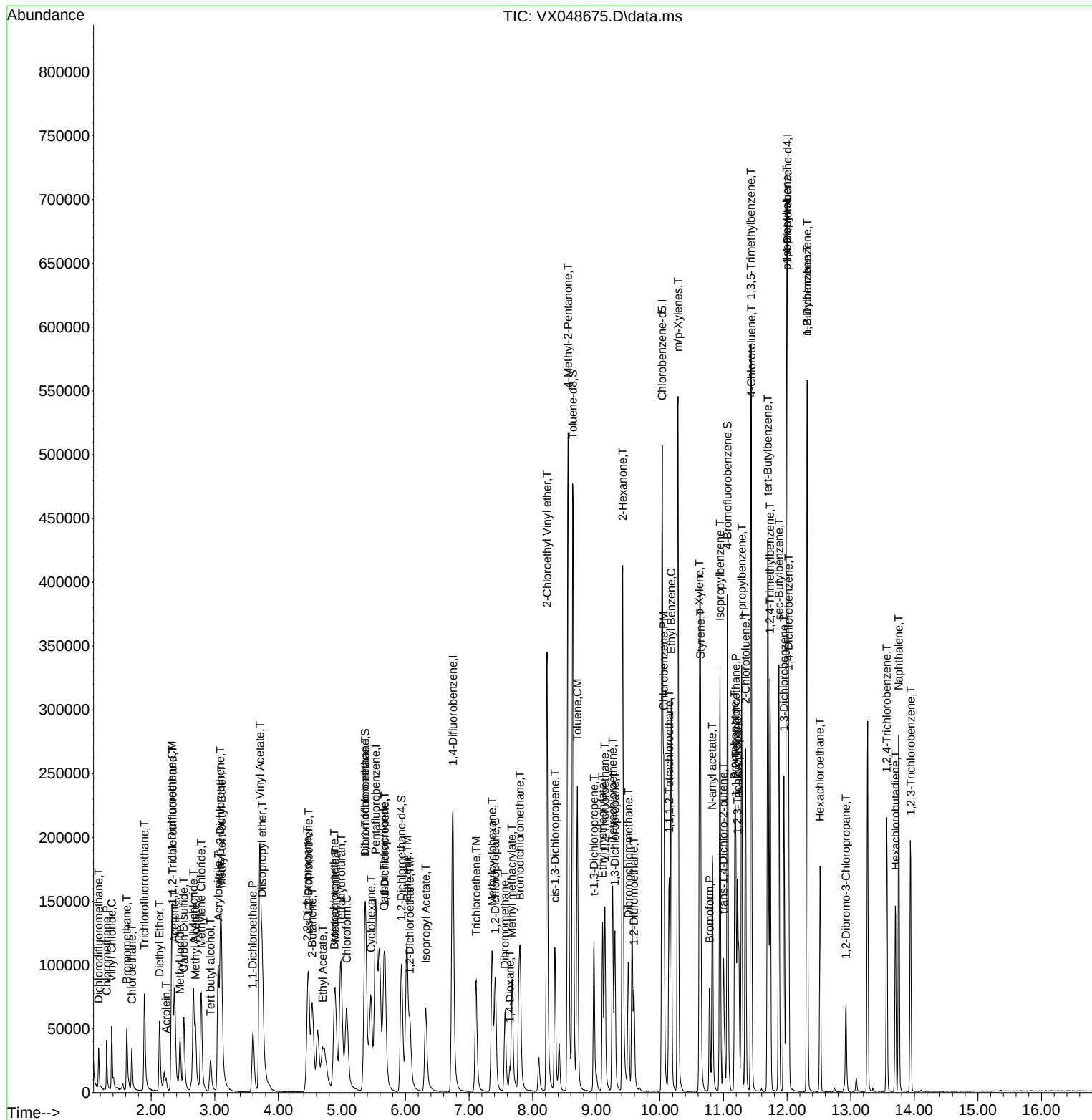
Data Path : Z:\voasrv\HPCHEM1\MSVOA_X\Data\VX112525\
Data File : VX048675.D
Acq On : 25 Nov 2025 11:05
Operator : JC/MD
Sample : VX1125WBS01
Misc : 5.0mL/MSVOA_X/WATER
ALS Vial : 5 Sample Multiplier: 1

Instrument :
MSVOA_X
ClientSampleId :
VX1125WBS01

Manual Integrations
APPROVED

Reviewed By : John Carlone 11/26/2025
Supervised By : Mahesh Dadoda 11/26/2025

Quant Time: Nov 26 00:57:44 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_X\Method\82X110725W.M
Quant Title : SW846 8260
QLast Update : Sat Nov 08 05:08:11 2025
Response via : Initial Calibration



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088374.D
 Acq On : 01 Dec 2025 12:10
 Operator : JC\MD
 Sample : VN1201WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBSD01

Manual Integrations APPROVED

Reviewed By : John Carlone 12/02/2025
 Supervised By : Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.206	168	257123	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	472668	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	413438	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	196888	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	252803	52.192	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.380%	
35) Dibromofluoromethane	8.147	113	171251	52.281	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.560%	
50) Toluene-d8	10.541	98	648629	53.220	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 106.440%	
62) 4-Bromofluorobenzene	12.829	95	213607	51.080	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 102.160%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	72877	18.870	ug/l	98
3) Chloromethane	2.383	50	80587	19.429	ug/l	94
4) Vinyl Chloride	2.536	62	79060	18.736	ug/l	99
5) Bromomethane	2.989	94	40980	20.178	ug/l	99
6) Chloroethane	3.148	64	50269	19.250	ug/l	90
7) Trichlorofluoromethane	3.512	101	110683	18.663	ug/l	99
8) Diethyl Ether	3.965	74	42809	19.231	ug/l	98
9) 1,1,2-Trichlorotrifluo...	4.377	101	58334	18.476	ug/l	98
10) Methyl Iodide	4.583	142	60569	19.379	ug/l	96
11) Tert butyl alcohol	5.512	59	68039	87.983	ug/l #	81
12) 1,1-Dichloroethene	4.347	96	58831	18.754	ug/l	84
13) Acrolein	4.177	56	87619	118.346	ug/l	97
14) Allyl chloride	5.012	41	104505	17.974	ug/l	98
15) Acrylonitrile	5.706	53	213646	95.755	ug/l	98
16) Acetone	4.418	43	152332	86.961	ug/l	98
17) Carbon Disulfide	4.706	76	192813	18.810	ug/l	100
18) Methyl Acetate	5.018	43	99171	19.019	ug/l	99
19) Methyl tert-butyl Ether	5.783	73	228498	19.442	ug/l	95
20) Methylene Chloride	5.259	84	75693	20.196	ug/l	83
21) trans-1,2-Dichloroethene	5.771	96	68139	19.608	ug/l	92
22) Diisopropyl ether	6.653	45	244953	19.733	ug/l	96
23) Vinyl Acetate	6.588	43	972820m	97.271	ug/l	
24) 1,1-Dichloroethane	6.553	63	134006	19.063	ug/l	95
25) 2-Butanone	7.465	43	270811	96.165	ug/l	97
26) 2,2-Dichloropropane	7.477	77	112288	18.506	ug/l	95
27) cis-1,2-Dichloroethene	7.465	96	78314	19.392	ug/l	96
28) Bromochloromethane	7.794	49	64631	18.456	ug/l	99
29) Tetrahydrofuran	7.824	42	193749	95.919	ug/l	99
30) Chloroform	7.947	83	135282	19.585	ug/l	96
31) Cyclohexane	8.235	56	117687	18.475	ug/l	98
32) 1,1,1-Trichloroethane	8.147	97	115347	18.992	ug/l	95
36) 1,1-Dichloropropene	8.353	75	89956	17.794	ug/l	98
37) Ethyl Acetate	7.547	43	123427	18.569	ug/l	98
38) Carbon Tetrachloride	8.347	117	94617	18.801	ug/l	96
39) Methylcyclohexane	9.576	83	99985	18.491	ug/l	93
40) Benzene	8.588	78	284116	19.149	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088374.D
 Acq On : 01 Dec 2025 12:10
 Operator : JC\MD
 Sample : VN1201WBSD01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1201WBSD01

Manual Integrations
 APPROVED

Reviewed By :John Carlone 12/02/2025
 Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:04 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
 Quant Title : SW846 8260
 QLast Update : Tue Nov 25 01:34:52 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Methacrylonitrile	7.765	41	63105	19.168	ug/l	98
42) 1,2-Dichloroethane	8.647	62	109703	19.380	ug/l	98
43) Isopropyl Acetate	8.671	43	192472	18.952	ug/l	99
44) Trichloroethene	9.329	130	66801	19.054	ug/l	90
45) 1,2-Dichloropropane	9.600	63	72843	19.162	ug/l	100
46) Dibromomethane	9.688	93	54401	20.053	ug/l	98
47) Bromodichloromethane	9.865	83	106876	19.308	ug/l #	93
48) Methyl methacrylate	9.659	41	84615	18.260	ug/l	99
49) 1,4-Dioxane	9.676	88	22017	373.614	ug/l #	99
51) 4-Methyl-2-Pentanone	10.424	43	589357	98.453	ug/l	99
52) Toluene	10.606	92	170024	19.846	ug/l	98
53) t-1,3-Dichloropropene	10.818	75	108520	19.099	ug/l	99
54) cis-1,3-Dichloropropene	10.288	75	116758	19.541	ug/l	97
55) 1,1,2-Trichloroethane	10.994	97	66233	19.982	ug/l	95
56) Ethyl methacrylate	10.853	69	104863	20.028	ug/l	97
57) 1,3-Dichloropropane	11.141	76	120668	20.179	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	276569	91.622	ug/l	99
59) 2-Hexanone	11.176	43	355826	94.358	ug/l	98
60) Dibromochloromethane	11.335	129	76699	20.298	ug/l	98
61) 1,2-Dibromoethane	11.447	107	66826	19.909	ug/l	97
64) Tetrachloroethene	11.076	164	62208	18.980	ug/l	95
65) Chlorobenzene	11.870	112	183680	19.779	ug/l	96
66) 1,1,1,2-Tetrachloroethane	11.941	131	61851	19.747	ug/l	99
67) Ethyl Benzene	11.941	91	306102	18.859	ug/l	97
68) m/p-Xylenes	12.053	106	227659	37.830	ug/l	99
69) o-Xylene	12.376	106	109896	19.155	ug/l	95
70) Styrene	12.388	104	181083	19.438	ug/l	99
71) Bromoform	12.559	173	46125	20.106	ug/l #	99
73) Isopropylbenzene	12.670	105	280946	19.299	ug/l	100
74) N-amyl acetate	12.682	43	97186m	19.603	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.917	83	91931	19.534	ug/l	97
76) 1,2,3-Trichloropropane	12.970	75	93113m	20.192	ug/l	
77) Bromobenzene	12.959	156	65049	19.529	ug/l	96
78) n-propylbenzene	13.012	91	348515	19.569	ug/l	100
79) 2-Chlorotoluene	13.100	91	204279	18.783	ug/l	99
80) 1,3,5-Trimethylbenzene	13.153	105	234071	19.404	ug/l	99
81) trans-1,4-Dichloro-2-b...	12.717	75	28199	17.348	ug/l #	96
82) 4-Chlorotoluene	13.200	91	211139	19.546	ug/l	97
83) tert-Butylbenzene	13.412	119	192736	18.795	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	235984	19.682	ug/l	100
85) sec-Butylbenzene	13.594	105	283289	19.230	ug/l	100
86) p-Isopropyltoluene	13.706	119	228290	18.898	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	126657	19.534	ug/l	98
88) 1,4-Dichlorobenzene	13.788	146	129333	19.042	ug/l	98
89) n-Butylbenzene	14.029	91	219415	18.707	ug/l	99
90) Hexachloroethane	14.306	117	41810	18.946	ug/l	96
91) 1,2-Dichlorobenzene	14.082	146	115702	18.962	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	21103	18.481	ug/l	98
93) 1,2,4-Trichlorobenzene	15.370	180	65316	18.016	ug/l	95
94) Hexachlorobutadiene	15.470	225	24556	18.849	ug/l	94
95) Naphthalene	15.611	128	231154	18.400	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	67438	19.114	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088374.D
Acq On : 01 Dec 2025 12:10
Operator : JC\MD
Sample : VN1201WBSD01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025

Quant Time: Dec 02 00:11:04 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration

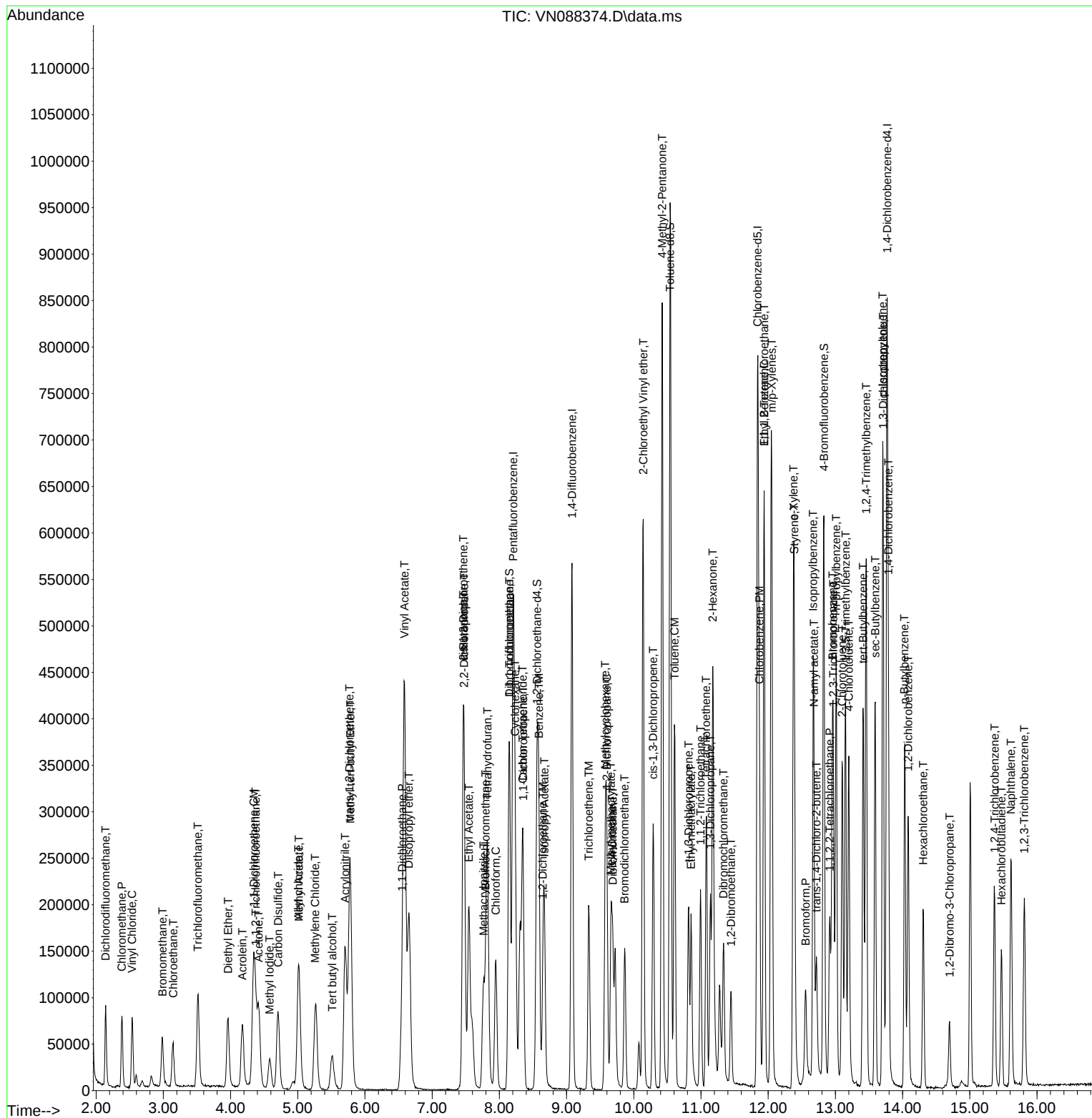
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBSD01

Manual Integrations APPROVED

Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VN088344.D	1,1-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	1,4-Dichlorobenzene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	2-Hexanone	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	cis-1,2-Dichloroethene	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC001	VN088344.D	Diisopropyl ether	JOHN	11/25/2025 9:35:55 AM	MMDadoda	11/26/2025 1:51:48 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC005	VN088345.D	Vinyl Acetate	JOHN	11/25/2025 9:36:00 AM	MMDadoda	11/26/2025 1:51:51 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	N-amyl acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICC020	VN088346.D	Vinyl Acetate	JOHN	11/25/2025 9:36:04 AM	MMDadoda	11/26/2025 1:51:55 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software
VSTDICCC050	VN088347.D	Vinyl Acetate	JOHN	11/25/2025 9:36:10 AM	MMDadoda	11/26/2025 1:51:58 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN112425	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC100	VN088348.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Allyl chloride	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC100	VN088348.D	Vinyl Acetate	JOHN	11/25/2025 9:36:15 AM	MMDadoda	11/26/2025 1:52:01 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Allyl chloride	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICC150	VN088349.D	Vinyl Acetate	JOHN	11/25/2025 9:36:20 AM	MMDadoda	11/26/2025 1:52:04 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	1,2,3-Trichloropropane	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	N-amyl acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software
VSTDICV050	VN088351.D	Vinyl Acetate	JOHN	11/25/2025 9:36:25 AM	MMDadoda	11/26/2025 1:52:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN120125	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088370.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	Methacrylonitrile	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	N-amyl acetate	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VSTDCCC050	VN088370.D	Vinyl Acetate	JOHN	12/2/2025 7:49:00 AM	MMDadoda	12/2/2025 1:11:28 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	N-amyl acetate	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBS01	VN088373.D	Vinyl Acetate	JOHN	12/2/2025 7:49:05 AM	MMDadoda	12/2/2025 1:11:32 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	N-amyl acetate	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
VN1201WBSD01	VN088374.D	Vinyl Acetate	JOHN	12/2/2025 7:49:10 AM	MMDadoda	12/2/2025 1:11:38 PM	Peak Integrated by Software
Q3715-02	VN088375.D	n-Butylbenzene	JOHN	12/2/2025 7:49:14 AM	MMDadoda	12/2/2025 1:11:48 PM	Peak Integrated by Software
Q3715-02	VN088375.D	o-Xylene	JOHN	12/2/2025 7:49:14 AM	MMDadoda	12/2/2025 1:11:48 PM	Peak Integrated by Software
VSTDCCC050	VN088394.D	1,2,3-Trichloropropane	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN120125	Instrument	MSVOA_n
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088394.D	N-amyl acetate	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software
VSTDCCC050	VN088394.D	Vinyl Acetate	JOHN	12/2/2025 7:49:42 AM	MMDadoda	12/2/2025 1:12:07 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDICC001	VX048516.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC001	VX048516.D	1,4-Dichlorobenzene	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC001	VX048516.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:19 AM	sam	11/10/2025 10:11:26 AM	Peak Integrated by Software
VSTDICC005	VX048517.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDICC005	VX048517.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:24 AM	sam	11/10/2025 10:11:30 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	2-Chloroethyl Vinyl ether	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC020	VX048518.D	Acrolein	JOHN	11/10/2025 8:27:29 AM	sam	11/10/2025 10:11:35 AM	Peak Integrated by Software
VSTDICC100	VX048520.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDICC100	VX048520.D	Bromomethane	JOHN	11/10/2025 8:27:38 AM	sam	11/10/2025 10:12:15 AM	Peak Integrated by Software
VSTDICC150	VX048521.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:44 AM	sam	11/10/2025 10:11:39 AM	Peak Integrated by Software
VSTDICCC050	VX048524.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:53 AM	sam	11/10/2025 10:12:22 AM	Peak Integrated by Software
VSTDICV050	VX048525.D	1,2,3-Trichloropropane	JOHN	11/10/2025 8:27:58 AM	sam	11/10/2025 10:11:48 AM	Peak Integrated by Software



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

Manual Integration Report

Sequence:	VX110725	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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Manual Integration Report

Sequence:	VX112525	Instrument	MSVOA_x
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Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VX048672.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:19:05 AM	MMDadoda	11/26/2025 12:38:27 PM	Peak Integrated by Software
VX1125WBS01	VX048675.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:19:10 AM	MMDadoda	11/26/2025 12:38:32 PM	Peak Integrated by Software
VX1125WBS01	VX048675.D	Ethyl Acetate	JOHN	11/26/2025 8:19:10 AM	MMDadoda	11/26/2025 12:38:32 PM	Peak Integrated by Software
VSTDCCC050	VX048684.D	1,2,3-Trichloropropane	JOHN	11/26/2025 8:19:36 AM	MMDadoda	11/26/2025 12:38:52 PM	Peak Integrated by Software

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM		
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 1:52:19 PM		
SubDirectory	VN112425	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP136378			
Initial Calibration Stds		VP136444,VP136445,VP136446,VP136447,VP136448,VP136449			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP136450			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088343.D	24 Nov 2025 08:17	JC\MD	Ok
2	VSTDIC001	VN088344.D	24 Nov 2025 12:38	JC\MD	Ok,M
3	VSTDIC005	VN088345.D	24 Nov 2025 13:11	JC\MD	Ok,M
4	VSTDIC020	VN088346.D	24 Nov 2025 13:32	JC\MD	Ok,M
5	VSTDIC050	VN088347.D	24 Nov 2025 13:53	JC\MD	Ok,M
6	VSTDIC100	VN088348.D	24 Nov 2025 14:14	JC\MD	Ok,M
7	VSTDIC150	VN088349.D	24 Nov 2025 14:35	JC\MD	Ok,M
8	IBLK	VN088350.D	24 Nov 2025 14:56	JC\MD	Ok
9	VSTDICV050	VN088351.D	24 Nov 2025 15:18	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN120125

Review By	Semsettin Yesilyurt	Review On	12/4/2025 10:27:11 AM		
Supervise By	John Carlone	Supervise On	12/4/2025 10:36:07 AM		
SubDirectory	VN120125	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136451			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP136452,VP136453			

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088369.D	01 Dec 2025 08:49	JC\MD	Ok
2	VSTDCCC050	VN088370.D	01 Dec 2025 09:58	JC\MD	Ok,M
3	VN1201MBL01	VN088371.D	01 Dec 2025 10:33	JC\MD	Ok
4	VN1201WBL01	VN088372.D	01 Dec 2025 10:53	JC\MD	Ok
5	VN1201WBS01	VN088373.D	01 Dec 2025 11:27	JC\MD	Ok,M
6	VN1201WBSD01	VN088374.D	01 Dec 2025 12:10	JC\MD	Ok,M
7	Q3715-02	VN088375.D	01 Dec 2025 12:30	JC\MD	Ok,M
8	Q3741-07	VN088376.D	01 Dec 2025 12:51	JC\MD	Ok
9	Q3716-01	VN088377.D	01 Dec 2025 13:11	JC\MD	Dilution
10	Q3716-03	VN088378.D	01 Dec 2025 13:32	JC\MD	Not Ok
11	Q3716-04	VN088379.D	01 Dec 2025 13:52	JC\MD	Dilution
12	Q3715-01	VN088380.D	01 Dec 2025 14:13	JC\MD	ReRun
13	Q3716-02	VN088381.D	01 Dec 2025 14:33	JC\MD	Ok
14	Q3738-01	VN088382.D	01 Dec 2025 14:54	JC\MD	Not Ok
15	Q3738-03	VN088383.D	01 Dec 2025 15:15	JC\MD	Ok
16	Q3738-02	VN088384.D	01 Dec 2025 15:35	JC\MD	Ok,M
17	Q3745-01	VN088385.D	01 Dec 2025 15:56	JC\MD	ReRun
18	Q3745-02	VN088386.D	01 Dec 2025 16:16	JC\MD	Ok
19	Q3745-03	VN088387.D	01 Dec 2025 16:37	JC\MD	Ok
20	Q3745-04	VN088388.D	01 Dec 2025 16:58	JC\MD	Ok
21	Q3743-03	VN088389.D	01 Dec 2025 17:18	JC\MD	Ok

Instrument ID: **MSVOA_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN120125

Review By	Semsettin Yesilyurt	Review On	12/4/2025 10:27:11 AM		
Supervise By	John Carlone	Supervise On	12/4/2025 10:36:07 AM		
SubDirectory	VN120125	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME		STD REF.#			
Tune/Reschk Initial Calibration Stds		VP136451			
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard		VP136452,VP136453			

22	Q3743-04	VN088390.D	01 Dec 2025 17:39	JC\MD	Ok
23	Q3743-05	VN088391.D	01 Dec 2025 18:00	JC\MD	Not Ok
24	Q3743-01	VN088392.D	01 Dec 2025 18:20	JC\MD	Ok
25	Q3743-02	VN088393.D	01 Dec 2025 18:41	JC\MD	Ok
26	VSTDCCC050	VN088394.D	01 Dec 2025 19:01	JC\MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM		
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM		
SubDirectory	VX110725	HP Acquire Method	MSVOA_X	HP Processing Method	82X110725W.M
STD. NAME		STD REF.#			
Tune/Reschk		VP136104			
Initial Calibration Stds		VP136097,VP136098,VP135099,VP136100,VP136101,VP135102			
CCC					
Internal Standard/PEM					
ICV/I.BLK		VP136103			
Surrogate Standard					
MS/MSD Standard					
LCS Standard					

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048515.D	07 Nov 2025 13:06	JC/MD	Ok
2	VSTDIC001	VX048516.D	07 Nov 2025 13:35	JC/MD	Ok,M
3	VSTDIC005	VX048517.D	07 Nov 2025 13:56	JC/MD	Ok,M
4	VSTDIC020	VX048518.D	07 Nov 2025 14:16	JC/MD	Ok,M
5	VSTDIC050	VX048519.D	07 Nov 2025 14:37	JC/MD	Not Ok
6	VSTDIC100	VX048520.D	07 Nov 2025 14:58	JC/MD	Ok,M
7	VSTDIC150	VX048521.D	07 Nov 2025 15:18	JC/MD	Ok,M
8	VIBLK	VX048522.D	07 Nov 2025 15:39	JC/MD	Ok
9	VSTDIC005	VX048523.D	07 Nov 2025 16:08	JC/MD	Not Ok
10	VSTDIC050	VX048524.D	07 Nov 2025 16:29	JC/MD	Ok,M
11	VSTDICV050	VX048525.D	07 Nov 2025 16:50	JC/MD	Ok,M

M : Manual Integration

Instrument ID: **MSVOA_X**

Daily Analysis Runlog For Sequence/QC Batch ID # VX112525

Review By	John Carlone	Review On	11/26/2025 8:21:34 AM
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 12:39:09 PM
SubDirectory	VX112525	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136388		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136389,VP136390		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VX048671.D	25 Nov 2025 08:48	JC/MD	Ok
2	VSTDCCC050	VX048672.D	25 Nov 2025 09:48	JC/MD	Ok,M
3	VX1125MBL01	VX048673.D	25 Nov 2025 10:17	JC/MD	Ok
4	VX1125WBL01	VX048674.D	25 Nov 2025 10:38	JC/MD	Ok
5	VX1125WBS01	VX048675.D	25 Nov 2025 11:05	JC/MD	Ok,M
6	VX1125WBSD01	VX048676.D	25 Nov 2025 11:32	JC/MD	Ok,M
7	Q3715-02	VX048677.D	25 Nov 2025 12:19	JC/MD	Not Ok
8	Q3715-01	VX048678.D	25 Nov 2025 12:39	JC/MD	Ok
9	Q3715-03	VX048679.D	25 Nov 2025 13:00	JC/MD	Ok
10	Q3716-01DL	VX048680.D	25 Nov 2025 13:21	JC/MD	Not Ok
11	Q3716-02	VX048681.D	25 Nov 2025 13:41	JC/MD	Not Ok
12	Q3716-03	VX048682.D	25 Nov 2025 14:02	JC/MD	Not Ok
13	Q3716-04	VX048683.D	25 Nov 2025 14:23	JC/MD	Not Ok
14	VSTDCCC050	VX048684.D	25 Nov 2025 14:43	JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN112425

Review By	John Carlone	Review On	11/25/2025 9:36:43 AM
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 1:52:19 PM
SubDirectory	VN112425	HP Acquire Method	MSVOA_N HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk	VP136378		
Initial Calibration Stds	VP136444,VP136445,VP136446,VP136447,VP136448,VP136449		
CCC			
Internal Standard/PEM			
ICV/I.BLK	VP136450		
Surrogate Standard			
MS/MSD Standard			
LCS Standard			

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088343.D	24 Nov 2025 08:17		JC\MD	Ok
2	VSTDICC001	VSTDICC001	VN088344.D	24 Nov 2025 12:38		JC\MD	Ok,M
3	VSTDICC005	VSTDICC005	VN088345.D	24 Nov 2025 13:11	COM.#74 Peak not detected in 1 and 5 PPB	JC\MD	Ok,M
4	VSTDICC020	VSTDICC020	VN088346.D	24 Nov 2025 13:32		JC\MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VN088347.D	24 Nov 2025 13:53	Method failed for Comp. #74	JC\MD	Ok,M
6	VSTDICC100	VSTDICC100	VN088348.D	24 Nov 2025 14:14		JC\MD	Ok,M
7	VSTDICC150	VSTDICC150	VN088349.D	24 Nov 2025 14:35		JC\MD	Ok,M
8	IBLK	IBLK	VN088350.D	24 Nov 2025 14:56		JC\MD	Ok
9	VSTDICV050	ICVVN112425	VN088351.D	24 Nov 2025 15:18		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120125

Review By	Semsettin Yesilyurt	Review On	12/4/2025 10:27:11 AM
Supervise By	John Carlone	Supervise On	12/4/2025 10:36:07 AM
SubDirectory	VN120125	HP Acquire Method	MSVOA_N HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136451		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136452,VP136453		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088369.D	01 Dec 2025 08:49		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088370.D	01 Dec 2025 09:58	pH#Lot#V12668	JC\MD	Ok,M
3	VN1201MBL01	VN1201MBL01	VN088371.D	01 Dec 2025 10:33		JC\MD	Ok
4	VN1201WBL01	VN1201WBL01	VN088372.D	01 Dec 2025 10:53		JC\MD	Ok
5	VN1201WBS01	VN1201WBS01	VN088373.D	01 Dec 2025 11:27		JC\MD	Ok,M
6	VN1201WBSD01	VN1201WBSD01	VN088374.D	01 Dec 2025 12:10		JC\MD	Ok,M
7	Q3715-02	MW6	VN088375.D	01 Dec 2025 12:30	vial A pH<2	JC\MD	Ok,M
8	Q3741-07	TB-1	VN088376.D	01 Dec 2025 12:51	vial A pH<2 TB	JC\MD	Ok
9	Q3716-01	MW5	VN088377.D	01 Dec 2025 13:11	vial A pH<2 Need 20X	JC\MD	Dilution
10	Q3716-03	MW4	VN088378.D	01 Dec 2025 13:32	Need Straight Run	JC\MD	Not Ok
11	Q3716-04	MW7	VN088379.D	01 Dec 2025 13:52	Need 200X	JC\MD	Dilution
12	Q3715-01	MW2	VN088380.D	01 Dec 2025 14:13	E flag of previous sample	JC\MD	ReRun
13	Q3716-02	MW3	VN088381.D	01 Dec 2025 14:33	vial A pH<2	JC\MD	Ok
14	Q3738-01	MW4	VN088382.D	01 Dec 2025 14:54	Run @ Lower Dilution	JC\MD	Not Ok
15	Q3738-03	Field	VN088383.D	01 Dec 2025 15:15	vial A pH<2 FB	JC\MD	Ok
16	Q3738-02	MW5	VN088384.D	01 Dec 2025 15:35	vial A pH<2	JC\MD	Ok,M
17	Q3745-01	STORAGE-BLANK-SO	VN088385.D	01 Dec 2025 15:56	vial A pH<2 Tics Contamination	JC\MD	ReRun
18	Q3745-02	STORAGE-BLANK-WA	VN088386.D	01 Dec 2025 16:16	vial A pH<2	JC\MD	Ok

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120125

Review By	Semsettin Yesilyurt	Review On	12/4/2025 10:27:11 AM		
Supervise By	John Carlone	Supervise On	12/4/2025 10:36:07 AM		
SubDirectory	VN120125	HP Acquire Method	MSVOA_N	HP Processing Method	82N112425W.M
STD. NAME	STD REF.#				
Tune/Reschk Initial Calibration Stds	VP136451				
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136452,VP136453				

19	Q3745-03	STORAGE-BLANK-WA	VN088387.D	01 Dec 2025 16:37	vial A pH<2	JC\MD	Ok
20	Q3745-04	STORAGE-BLANK-SAM	VN088388.D	01 Dec 2025 16:58	vial A pH<2	JC\MD	Ok
21	Q3743-03	TB	VN088389.D	01 Dec 2025 17:18	vial A pH<2 TB	JC\MD	Ok
22	Q3743-04	TB	VN088390.D	01 Dec 2025 17:39	vial A pH<2 TB	JC\MD	Ok
23	Q3743-05	TB	VN088391.D	01 Dec 2025 18:00	SIM Method on login	JC\MD	Not Ok
24	Q3743-01	TW-1125-1	VN088392.D	01 Dec 2025 18:20	vial A pH<2	JC\MD	Ok
25	Q3743-02	TW-1125-2	VN088393.D	01 Dec 2025 18:41	vial A pH<2	JC\MD	Ok
26	VSTDCCC050	VSTDCCC050EC	VN088394.D	01 Dec 2025 19:01		JC\MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX110725

Review By	John Carlone	Review On	11/10/2025 8:28:24 AM
Supervise By	Amit Patel	Supervise On	11/10/2025 9:54:56 AM
SubDirectory	VX110725	HP Acquire Method	MSVOA_X HP Processing Method 82X110725W.M

STD. NAME	STD REF.#
Tune/Reschk	VP136104
Initial Calibration Stds	VP136097,VP136098,VP135099,VP136100,VP136101,VP135102
CCC	
Internal Standard/PEM	
ICV/I.BLK	VP136103
Surrogate Standard	
MS/MSD Standard	
LCS Standard	

Sr#	Sampled	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048515.D	07 Nov 2025 13:06		JC/MD	Ok
2	VSTDIC001	VSTDIC001	VX048516.D	07 Nov 2025 13:35		JC/MD	Ok,M
3	VSTDIC005	VSTDIC005	VX048517.D	07 Nov 2025 13:56		JC/MD	Ok,M
4	VSTDIC020	VSTDIC020	VX048518.D	07 Nov 2025 14:16		JC/MD	Ok,M
5	VSTDICCC050	VSTDICCC050	VX048519.D	07 Nov 2025 14:37	spiked low	JC/MD	Not Ok
6	VSTDIC100	VSTDIC100	VX048520.D	07 Nov 2025 14:58		JC/MD	Ok,M
7	VSTDIC150	VSTDIC150	VX048521.D	07 Nov 2025 15:18		JC/MD	Ok,M
8	VIBLK	VIBLK	VX048522.D	07 Nov 2025 15:39		JC/MD	Ok
9	VSTDIC005	VSTDIC005	VX048523.D	07 Nov 2025 16:08	spike error	JC/MD	Not Ok
10	VSTDICCC050	VSTDICCC050	VX048524.D	07 Nov 2025 16:29		JC/MD	Ok,M
11	VSTDICV050	ICVVX110725	VX048525.D	07 Nov 2025 16:50		JC/MD	Ok,M

M : Manual Integration

Instrument ID: MSVOA_X

Daily Analysis Runlog For Sequence/QC Batch ID # VX112525

Review By	John Carlone	Review On	11/26/2025 8:21:34 AM
Supervise By	Maresh Dadoda	Supervise On	11/26/2025 12:39:09 PM
SubDirectory	VX112525	HP Acquire Method	HP Processing Method 82X110725W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136388		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136389,VP136390		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VX048671.D	25 Nov 2025 08:48		JC/MD	Ok
2	VSTDCCC050	VSTDCCC050	VX048672.D	25 Nov 2025 09:48	pH#Lot#V12668	JC/MD	Ok,M
3	VX1125MBL01	VX1125MBL01	VX048673.D	25 Nov 2025 10:17		JC/MD	Ok
4	VX1125WBL01	VX1125WBL01	VX048674.D	25 Nov 2025 10:38		JC/MD	Ok
5	VX1125WBS01	VX1125WBS01	VX048675.D	25 Nov 2025 11:05		JC/MD	Ok,M
6	VX1125WBSD01	VX1125WBSD01	VX048676.D	25 Nov 2025 11:32		JC/MD	Ok,M
7	Q3715-02	MW6	VX048677.D	25 Nov 2025 12:19	Run @ Lower Dilution	JC/MD	Not Ok
8	Q3715-01	MW2	VX048678.D	25 Nov 2025 12:39	vial A pH<2	JC/MD	Ok
9	Q3715-03	MW7	VX048679.D	25 Nov 2025 13:00	vial A pH<2	JC/MD	Ok
10	Q3716-01DL	MW5DL	VX048680.D	25 Nov 2025 13:21	Not match exactly please check	JC/MD	Not Ok
11	Q3716-02	MW3	VX048681.D	25 Nov 2025 13:41	Surrogate Fail;BS,BSD failed high for comp. #52;Run @ Lower Dilution	JC/MD	Not Ok
12	Q3716-03	MW4	VX048682.D	25 Nov 2025 14:02	BS,BSD failed high for comp. #52;Run @ Lower Dilution	JC/MD	Not Ok
13	Q3716-04	MW7	VX048683.D	25 Nov 2025 14:23	vial A pH<2 BS,BSD failed high for comp. #52;Need 200X	JC/MD	Not Ok
14	VSTDCCC050	VSTDCCC050EC	VX048684.D	25 Nov 2025 14:43		JC/MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3715	OrderDate:	11/24/2025 2:29:36 PM
Client:	G Environmental	Project:	Union
Contact:	Gary Landis	Location:	VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3715-01	MW2	Water	VOCMS Group1	8260-Low	11/24/25		11/25/25	11/24/25
Q3715-02	MW6	Water	VOCMS Group1	8260-Low	11/24/25		12/01/25	11/24/25
Q3715-03	MW7	Water	VOCMS Group1	8260-Low	11/24/25		11/25/25	11/24/25