

Hit Summary Sheet
SW-846

SDG No.: Q3716

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Client ID:	MW5							
Q3716-01	MW5	Water	Carbon Disulfide	12.8		0.84	4.00	ug/L
Q3716-01	MW5	Water	Cyclohexane	100		5.80	20.0	ug/L
Q3716-01	MW5	Water	2-Butanone	110		3.90	20.0	ug/L
Q3716-01	MW5	Water	Methylcyclohexane	66.5		0.64	4.00	ug/L
Q3716-01	MW5	Water	Benzene	88.9		0.60	4.00	ug/L
Q3716-01	MW5	Water	Toluene	140		0.56	4.00	ug/L
Q3716-01	MW5	Water	Ethyl Benzene	330		0.52	4.00	ug/L
Q3716-01	MW5	Water	m/p-Xylenes	1400	E	0.96	8.00	ug/L
Q3716-01	MW5	Water	o-Xylene	500		0.48	4.00	ug/L
Q3716-01	MW5	Water	Isopropylbenzene	22.9		0.48	4.00	ug/L
Q3716-01	MW5	Water	1,2,4-Trimethylbenzene	1100	E	0.56	4.00	ug/L
Total Voc :				3870				
Q3716-01	MW5	Water	Butane, 2-methyl-	* 1300	J	0	0	ug/L
Q3716-01	MW5	Water	Butane, 2,3-dimethyl-	* 110	J	0	0	ug/L
Q3716-01	MW5	Water	Pentane, 3-methyl-	* 150	J	0	0	ug/L
Q3716-01	MW5	Water	Cyclopentane, methyl-	* 360	J	0	0	ug/L
Q3716-01	MW5	Water	Pentane, 2-methyl-	* 400	J	0	0	ug/L
Q3716-01	MW5	Water	Pentane	* 520	J	0	0	ug/L
Q3716-01	MW5	Water	Indane	* 150	J	0	0	ug/L
Q3716-01	MW5	Water	Benzene, 1-ethyl-2-methyl-	* 230	J	0	0	ug/L
Q3716-01	MW5	Water	Benzene, 1-ethyl-4-methyl-	* 130	J	0	0	ug/L
Q3716-01	MW5	Water	2-Pentene, (Z)-	* 170	J	0	0	ug/L
Q3716-01	MW5	Water	2-Pentene, (E)-	* 86.6	J	0	0	ug/L
Q3716-01	MW5	Water	Cyclopropane, 1,2-dimethyl-, c	* 330	J	0	0	ug/L
Q3716-01	MW5	Water	n-propylbenzene	* 61.7	J	0.52	4.00	ug/L
Q3716-01	MW5	Water	1,3,5-Trimethylbenzene	* 320	J	0.60	4.00	ug/L
Q3716-01	MW5	Water	sec-Butylbenzene	* 6.10	J	0.52	4.00	ug/L
Q3716-01	MW5	Water	p-Isopropyltoluene	* 4.90	J	0.52	4.00	ug/L
Q3716-01	MW5	Water	n-Butylbenzene	* 5.40	J	0.60	4.00	ug/L
Total Tics :				4330				
Total Concentration:				8210				
Client ID:	MW5DL							
Q3716-01DL	MW5DL	Water	Cyclohexane	86.4	JD	29.0	100	ug/L
Q3716-01DL	MW5DL	Water	Methylcyclohexane	44.9	D	3.20	20.0	ug/L
Q3716-01DL	MW5DL	Water	Benzene	69.5	D	3.00	20.0	ug/L
Q3716-01DL	MW5DL	Water	Toluene	110	D	2.80	20.0	ug/L

Hit Summary Sheet SW-846

SDG No.: Q3716

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3716-01DL	MW5DL	Water	Ethyl Benzene	230	D	2.60	20.0	ug/L
Q3716-01DL	MW5DL	Water	m/p-Xylenes	1100	D	4.80	40.0	ug/L
Q3716-01DL	MW5DL	Water	o-Xylene	360	D	2.40	20.0	ug/L
Q3716-01DL	MW5DL	Water	Isopropylbenzene	16.7	JD	2.40	20.0	ug/L
Q3716-01DL	MW5DL	Water	1,2,4-Trimethylbenzene	790	D	2.80	20.0	ug/L
Total Voc :				2810				
Total Concentration:				2810				
Client ID:	MW4							
Q3716-03	MW4	Water	Carbon Disulfide	1.80		0.21	1.00	ug/L
Q3716-03	MW4	Water	Toluene	0.86	J	0.14	1.00	ug/L
Q3716-03	MW4	Water	Ethyl Benzene	0.25	J	0.13	1.00	ug/L
Q3716-03	MW4	Water	m/p-Xylenes	0.33	J	0.24	2.00	ug/L
Q3716-03	MW4	Water	1,2,4-Trimethylbenzene	0.33	J	0.14	1.00	ug/L
Total Voc :				3.57				
Q3716-03	MW4	Water	Pentane, 3-methyl-	* 10.4	J	0	0	ug/L
Q3716-03	MW4	Water	Benzene, 1,2,3,4-tetramethyl-	* 5.90	J	0	0	ug/L
Q3716-03	MW4	Water	o-Cymene	* 6.30	J	0	0	ug/L
Q3716-03	MW4	Water	Pentane, 2,3-dimethyl-	* 14.9	J	0	0	ug/L
Q3716-03	MW4	Water	Pentane, 2,3,4-trimethyl-	* 36.5	J	0	0	ug/L
Q3716-03	MW4	Water	Benzene, (3-methyl-2-butenyl)-	* 13.1	J	0	0	ug/L
Q3716-03	MW4	Water	1H-Indene, 2,3-dihydro-4,7-din	* 9.70	J	0	0	ug/L
Q3716-03	MW4	Water	sec-Butylbenzene	* 0.51	J	0.13	1.00	ug/L
Q3716-03	MW4	Water	p-Isopropyltoluene	* 0.49	J	0.13	1.00	ug/L
Q3716-03	MW4	Water	n-Butylbenzene	* 0.52	J	0.15	1.00	ug/L
Total Tics :				98.3				
Total Concentration:				102				
Client ID:	MW7							
Q3716-04	MW7	Water	Cyclohexane	690		14.5	50.0	ug/L
Q3716-04	MW7	Water	Methylcyclohexane	720		1.60	10.0	ug/L
Q3716-04	MW7	Water	Benzene	2200	E	1.50	10.0	ug/L
Q3716-04	MW7	Water	Toluene	14200	E	1.40	10.0	ug/L
Q3716-04	MW7	Water	Ethyl Benzene	4800	E	1.30	10.0	ug/L
Q3716-04	MW7	Water	m/p-Xylenes	23700	E	2.40	20.0	ug/L
Q3716-04	MW7	Water	o-Xylene	9100	E	1.20	10.0	ug/L
Q3716-04	MW7	Water	Isopropylbenzene	230		1.20	10.0	ug/L
Q3716-04	MW7	Water	1,2,4-Trimethylbenzene	8500	E	1.40	10.0	ug/L
Total Voc :				64100				

Hit Summary Sheet SW-846

SDG No.: Q3716

Client: G Environmental

Sample ID	Client ID	Matrix	Parameter	Concentration	C	MDL	RDL	Units
Q3716-04	MW7	Water	Butane, 2-methyl-	* 1700	J	0	0	ug/L
Q3716-04	MW7	Water	Pentane, 3-methyl-	* 460	J	0	0	ug/L
Q3716-04	MW7	Water	Cyclopentane, methyl-	* 600	J	0	0	ug/L
Q3716-04	MW7	Water	Pentane, 2-methyl-	* 1000	J	0	0	ug/L
Q3716-04	MW7	Water	Benzene, 1-ethyl-2-methyl-	* 980	J	0	0	ug/L
Q3716-04	MW7	Water	Benzene, 1-ethyl-4-methyl-	* 350	J	0	0	ug/L
Q3716-04	MW7	Water	2-Pentene, (E)-	* 430	J	0	0	ug/L
Q3716-04	MW7	Water	Cyclopropane, 1,2-dimethyl-, c	* 900	J	0	0	ug/L
Q3716-04	MW7	Water	n-propylbenzene	* 910	J	1.30	10.0	ug/L
Q3716-04	MW7	Water	1,3,5-Trimethylbenzene	* 2300	J	1.50	10.0	ug/L
Q3716-04	MW7	Water	sec-Butylbenzene	* 64.3	J	1.30	10.0	ug/L
Q3716-04	MW7	Water	p-Isopropyltoluene	* 38.5	J	1.30	10.0	ug/L
Q3716-04	MW7	Water	n-Butylbenzene	* 140	J	1.50	10.0	ug/L
Total Tics :				9870				
Total Concentration:				74000				
Client ID:	MW7DL							
Q3716-04DL	MW7DL	Water	Cyclohexane	660	JD	290	1000	ug/L
Q3716-04DL	MW7DL	Water	Methylcyclohexane	390	D	32.0	200	ug/L
Q3716-04DL	MW7DL	Water	Benzene	2100	D	30.0	200	ug/L
Q3716-04DL	MW7DL	Water	Toluene	13000	D	28.0	200	ug/L
Q3716-04DL	MW7DL	Water	Ethyl Benzene	3800	D	26.0	200	ug/L
Q3716-04DL	MW7DL	Water	m/p-Xylenes	19200	D	48.0	400	ug/L
Q3716-04DL	MW7DL	Water	o-Xylene	7400	D	24.0	200	ug/L
Q3716-04DL	MW7DL	Water	Isopropylbenzene	170	JD	24.0	200	ug/L
Q3716-04DL	MW7DL	Water	1,2,4-Trimethylbenzene	6600	D	28.0	200	ug/L
Total Voc :				53300				
Total Concentration:				53300				



SAMPLE DATA

Report of Analysis

Client: G Environmental
Project: Adoni
Client Sample ID: MW5
Lab Sample ID: Q3716-01
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.: Q3716
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 13:11	VN120125
74-87-3	Chloromethane	1.30	U	4	1.30	4.00	ug/L	12/01/25 13:11	VN120125
75-01-4	Vinyl Chloride	1.00	U	4	1.00	4.00	ug/L	12/01/25 13:11	VN120125
74-83-9	Bromomethane	5.80	U	4	5.80	20.0	ug/L	12/01/25 13:11	VN120125
75-00-3	Chloroethane	1.90	U	4	1.90	4.00	ug/L	12/01/25 13:11	VN120125
75-69-4	Trichlorofluoromethane	1.30	U	4	1.30	4.00	ug/L	12/01/25 13:11	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	1.00	U	4	1.00	4.00	ug/L	12/01/25 13:11	VN120125
75-65-0	Tert butyl alcohol	22.0	U	4	22.0	100	ug/L	12/01/25 13:11	VN120125
75-35-4	1,1-Dichloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 13:11	VN120125
67-64-1	Acetone	6.00	U	4	6.00	20.0	ug/L	12/01/25 13:11	VN120125
75-15-0	Carbon Disulfide	12.8		4	0.84	4.00	ug/L	12/01/25 13:11	VN120125
1634-04-4	Methyl tert-butyl Ether	0.64	U	4	0.64	4.00	ug/L	12/01/25 13:11	VN120125
79-20-9	Methyl Acetate	1.10	U	4	1.10	4.00	ug/L	12/01/25 13:11	VN120125
75-09-2	Methylene Chloride	1.10	U	4	1.10	4.00	ug/L	12/01/25 13:11	VN120125
156-60-5	trans-1,2-Dichloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 13:11	VN120125
75-34-3	1,1-Dichloroethane	0.92	U	4	0.92	4.00	ug/L	12/01/25 13:11	VN120125
110-82-7	Cyclohexane	100		4	5.80	20.0	ug/L	12/01/25 13:11	VN120125
78-93-3	2-Butanone	110		4	3.90	20.0	ug/L	12/01/25 13:11	VN120125
56-23-5	Carbon Tetrachloride	1.00	U	4	1.00	4.00	ug/L	12/01/25 13:11	VN120125
156-59-2	cis-1,2-Dichloroethene	0.76	U	4	0.76	4.00	ug/L	12/01/25 13:11	VN120125
74-97-5	Bromochloromethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 13:11	VN120125
67-66-3	Chloroform	1.00	U	4	1.00	4.00	ug/L	12/01/25 13:11	VN120125
71-55-6	1,1,1-Trichloroethane	0.80	U	4	0.80	4.00	ug/L	12/01/25 13:11	VN120125
108-87-2	Methylcyclohexane	66.5		4	0.64	4.00	ug/L	12/01/25 13:11	VN120125
71-43-2	Benzene	88.9		4	0.60	4.00	ug/L	12/01/25 13:11	VN120125
107-06-2	1,2-Dichloroethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 13:11	VN120125
79-01-6	Trichloroethene	0.37	U	4	0.37	4.00	ug/L	12/01/25 13:11	VN120125
78-87-5	1,2-Dichloropropane	0.80	U	4	0.80	4.00	ug/L	12/01/25 13:11	VN120125
75-27-4	Bromodichloromethane	0.88	U	4	0.88	4.00	ug/L	12/01/25 13:11	VN120125
108-10-1	4-Methyl-2-Pentanone	2.70	U	4	2.70	20.0	ug/L	12/01/25 13:11	VN120125
108-88-3	Toluene	140		4	0.56	4.00	ug/L	12/01/25 13:11	VN120125
10061-02-6	t-1,3-Dichloropropene	0.68	U	4	0.68	4.00	ug/L	12/01/25 13:11	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.64	U	4	0.64	4.00	ug/L	12/01/25 13:11	VN120125
79-00-5	1,1,2-Trichloroethane	0.84	U	4	0.84	4.00	ug/L	12/01/25 13:11	VN120125
591-78-6	2-Hexanone	3.60	U	4	3.60	20.0	ug/L	12/01/25 13:11	VN120125
124-48-1	Dibromochloromethane	0.72	U	4	0.72	4.00	ug/L	12/01/25 13:11	VN120125
106-93-4	1,2-Dibromoethane	0.60	U	4	0.60	4.00	ug/L	12/01/25 13:11	VN120125
127-18-4	Tetrachloroethene	0.92	U	4	0.92	4.00	ug/L	12/01/25 13:11	VN120125
108-90-7	Chlorobenzene	0.48	U	4	0.48	4.00	ug/L	12/01/25 13:11	VN120125
100-41-4	Ethyl Benzene	330		4	0.52	4.00	ug/L	12/01/25 13:11	VN120125
179601-23-1	m/p-Xylenes	1400	E	4	0.96	8.00	ug/L	12/01/25 13:11	VN120125
95-47-6	o-Xylene	500		4	0.48	4.00	ug/L	12/01/25 13:11	VN120125
100-42-5	Styrene	0.60	U	4	0.60	4.00	ug/L	12/01/25 13:11	VN120125



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

Report of Analysis

Client: G Environmental
Project: Adoni
Client Sample ID: MW5
Lab Sample ID: Q3716-01
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.: Q3716
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 13:11	VN120125
98-82-8	Isopropylbenzene	22.9		4	0.48	4.00	ug/L	12/01/25 13:11	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	1.00	U	4	1.00	4.00	ug/L	12/01/25 13:11	VN120125
95-63-6	1,2,4-Trimethylbenzene	1100	E	4	0.56	4.00	ug/L	12/01/25 13:11	VN120125
541-73-1	1,3-Dichlorobenzene	0.64	U	4	0.64	4.00	ug/L	12/01/25 13:11	VN120125
106-46-7	1,4-Dichlorobenzene	0.76	U	4	0.76	4.00	ug/L	12/01/25 13:11	VN120125
95-50-1	1,2-Dichlorobenzene	0.64	U	4	0.64	4.00	ug/L	12/01/25 13:11	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	2.10	U	4	2.10	4.00	ug/L	12/01/25 13:11	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.80	U	4	0.80	4.00	ug/L	12/01/25 13:11	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.80	U	4	0.80	4.00	ug/L	12/01/25 13:11	VN120125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	53.9			70 (74) - 130 (125)	108%	SPK: 50
1868-53-7	Dibromofluoromethane	50.6			70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.6			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	54.0			70 (77) - 130 (121)	108%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	183000
540-36-3	1,4-Difluorobenzene	409000
3114-55-4	Chlorobenzene-d5	395000
3855-82-1	1,4-Dichlorobenzene-d4	195000

TENTATIVE IDENTIFIED COMPOUNDS

000078-78-4	Butane, 2-methyl-	1300	J			3.27	ug/L
000109-66-0	Pentane	520	J			3.66	ug/L
000627-20-3	2-Pentene, (Z)-	170	J			3.87	ug/L
000646-04-8	2-Pentene, (E)-	86.6	J			4.05	ug/L
000930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	330	J			4.15	ug/L
000079-29-8	Butane, 2,3-dimethyl-	110	J			5.27	ug/L
000107-83-5	Pentane, 2-methyl-	400	J			5.34	ug/L
000096-14-0	Pentane, 3-methyl-	150	J			5.80	ug/L
000096-37-7	Cyclopentane, methyl-	360	J			7.31	ug/L
103-65-1	n-propylbenzene	61.7	J			13.0	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	230	J			13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	320	J			13.1	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	130	J			13.3	ug/L
135-98-8	sec-Butylbenzene	6.10	J			13.6	ug/L
99-87-6	p-Isopropyltoluene	4.90	J			13.7	ug/L
000496-11-7	Indane	150	J			14.0	ug/L
104-51-8	n-Butylbenzene	5.40	J			14.0	ug/L



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

Report of Analysis

Client:	G Environmental	Date Collected:	11/24/25
Project:	Adoni	Date Received:	11/24/25
Client Sample ID:	MW5	SDG No.:	Q3716
Lab Sample ID:	Q3716-01	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
------------	-----------	-------	------	----	-----	------------	-------	-----------	---------

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: Adoni
 Client Sample ID: MW5DL
 Lab Sample ID: Q3716-01DL
 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.: Q3716
 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	4.40	UD	20	4.40	20.0	ug/L	12/02/25 12:55	VN120225
74-87-3	Chloromethane	6.40	UD	20	6.40	20.0	ug/L	12/02/25 12:55	VN120225
75-01-4	Vinyl Chloride	5.20	UD	20	5.20	20.0	ug/L	12/02/25 12:55	VN120225
74-83-9	Bromomethane	28.8	UD	20	28.8	100	ug/L	12/02/25 12:55	VN120225
75-00-3	Chloroethane	9.40	UD	20	9.40	20.0	ug/L	12/02/25 12:55	VN120225
75-69-4	Trichlorofluoromethane	6.60	UD	20	6.60	20.0	ug/L	12/02/25 12:55	VN120225
76-13-1	1,1,2-Trichlorotrifluoroethane	5.00	UD	20	5.00	20.0	ug/L	12/02/25 12:55	VN120225
75-65-0	Tert butyl alcohol	110	UD	20	110	500	ug/L	12/02/25 12:55	VN120225
75-35-4	1,1-Dichloroethene	4.60	UD	20	4.60	20.0	ug/L	12/02/25 12:55	VN120225
67-64-1	Acetone	30.2	UD	20	30.2	100	ug/L	12/02/25 12:55	VN120225
75-15-0	Carbon Disulfide	4.20	UD	20	4.20	20.0	ug/L	12/02/25 12:55	VN120225
1634-04-4	Methyl tert-butyl Ether	3.20	UD	20	3.20	20.0	ug/L	12/02/25 12:55	VN120225
79-20-9	Methyl Acetate	5.40	UD	20	5.40	20.0	ug/L	12/02/25 12:55	VN120225
75-09-2	Methylene Chloride	5.60	UD	20	5.60	20.0	ug/L	12/02/25 12:55	VN120225
156-60-5	trans-1,2-Dichloroethene	4.60	UD	20	4.60	20.0	ug/L	12/02/25 12:55	VN120225
75-34-3	1,1-Dichloroethane	4.60	UD	20	4.60	20.0	ug/L	12/02/25 12:55	VN120225
110-82-7	Cyclohexane	86.4	JD	20	29.0	100	ug/L	12/02/25 12:55	VN120225
78-93-3	2-Butanone	19.6	UD	20	19.6	100	ug/L	12/02/25 12:55	VN120225
56-23-5	Carbon Tetrachloride	5.00	UD	20	5.00	20.0	ug/L	12/02/25 12:55	VN120225
156-59-2	cis-1,2-Dichloroethene	3.80	UD	20	3.80	20.0	ug/L	12/02/25 12:55	VN120225
74-97-5	Bromochloromethane	4.40	UD	20	4.40	20.0	ug/L	12/02/25 12:55	VN120225
67-66-3	Chloroform	5.00	UD	20	5.00	20.0	ug/L	12/02/25 12:55	VN120225
71-55-6	1,1,1-Trichloroethane	4.00	UD	20	4.00	20.0	ug/L	12/02/25 12:55	VN120225
108-87-2	Methylcyclohexane	44.9	D	20	3.20	20.0	ug/L	12/02/25 12:55	VN120225
71-43-2	Benzene	69.5	D	20	3.00	20.0	ug/L	12/02/25 12:55	VN120225
107-06-2	1,2-Dichloroethane	4.40	UD	20	4.40	20.0	ug/L	12/02/25 12:55	VN120225
79-01-6	Trichloroethene	1.90	UD	20	1.90	20.0	ug/L	12/02/25 12:55	VN120225
78-87-5	1,2-Dichloropropane	4.00	UD	20	4.00	20.0	ug/L	12/02/25 12:55	VN120225
75-27-4	Bromodichloromethane	4.40	UD	20	4.40	20.0	ug/L	12/02/25 12:55	VN120225
108-10-1	4-Methyl-2-Pentanone	13.6	UD	20	13.6	100	ug/L	12/02/25 12:55	VN120225
108-88-3	Toluene	110	D	20	2.80	20.0	ug/L	12/02/25 12:55	VN120225
10061-02-6	t-1,3-Dichloropropene	3.40	UD	20	3.40	20.0	ug/L	12/02/25 12:55	VN120225
10061-01-5	cis-1,3-Dichloropropene	3.20	UD	20	3.20	20.0	ug/L	12/02/25 12:55	VN120225
79-00-5	1,1,2-Trichloroethane	4.20	UD	20	4.20	20.0	ug/L	12/02/25 12:55	VN120225
591-78-6	2-Hexanone	17.8	UD	20	17.8	100	ug/L	12/02/25 12:55	VN120225
124-48-1	Dibromochloromethane	3.60	UD	20	3.60	20.0	ug/L	12/02/25 12:55	VN120225
106-93-4	1,2-Dibromoethane	3.00	UD	20	3.00	20.0	ug/L	12/02/25 12:55	VN120225
127-18-4	Tetrachloroethene	4.60	UD	20	4.60	20.0	ug/L	12/02/25 12:55	VN120225
108-90-7	Chlorobenzene	2.40	UD	20	2.40	20.0	ug/L	12/02/25 12:55	VN120225
100-41-4	Ethyl Benzene	230	D	20	2.60	20.0	ug/L	12/02/25 12:55	VN120225
179601-23-1	m/p-Xylenes	1100	D	20	4.80	40.0	ug/L	12/02/25 12:55	VN120225
95-47-6	o-Xylene	360	D	20	2.40	20.0	ug/L	12/02/25 12:55	VN120225
100-42-5	Styrene	3.00	UD	20	3.00	20.0	ug/L	12/02/25 12:55	VN120225

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: MW5DL
 Lab Sample ID: Q3716-01DL
 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.: Q3716
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	3.80	UD	20	3.80	20.0	ug/L	12/02/25 12:55	VN120225
98-82-8	Isopropylbenzene	16.7	JD	20	2.40	20.0	ug/L	12/02/25 12:55	VN120225
79-34-5	1,1,2,2-Tetrachloroethane	5.20	UD	20	5.20	20.0	ug/L	12/02/25 12:55	VN120225
95-63-6	1,2,4-Trimethylbenzene	790	D	20	2.80	20.0	ug/L	12/02/25 12:55	VN120225
541-73-1	1,3-Dichlorobenzene	3.20	UD	20	3.20	20.0	ug/L	12/02/25 12:55	VN120225
106-46-7	1,4-Dichlorobenzene	3.80	UD	20	3.80	20.0	ug/L	12/02/25 12:55	VN120225
95-50-1	1,2-Dichlorobenzene	3.20	UD	20	3.20	20.0	ug/L	12/02/25 12:55	VN120225
96-12-8	1,2-Dibromo-3-Chloropropane	10.6	UD	20	10.6	20.0	ug/L	12/02/25 12:55	VN120225
120-82-1	1,2,4-Trichlorobenzene	4.00	UD	20	4.00	20.0	ug/L	12/02/25 12:55	VN120225
87-61-6	1,2,3-Trichlorobenzene	4.00	UD	20	4.00	20.0	ug/L	12/02/25 12:55	VN120225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	62.5			70 (74) - 130 (125)	125%	SPK: 50
1868-53-7	Dibromofluoromethane	52.5			70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	49.6			70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.4			70 (77) - 130 (121)	113%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	208000
540-36-3	1,4-Difluorobenzene	480000
3114-55-4	Chlorobenzene-d5	473000
3855-82-1	1,4-Dichlorobenzene-d4	241000

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: Adoni
Client Sample ID: MW3
Lab Sample ID: Q3716-02
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.: Q3716
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 14:33	VN120125
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/01/25 14:33	VN120125
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/01/25 14:33	VN120125
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/01/25 14:33	VN120125
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/01/25 14:33	VN120125
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/01/25 14:33	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/01/25 14:33	VN120125
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	12/01/25 14:33	VN120125
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 14:33	VN120125
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/01/25 14:33	VN120125
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	12/01/25 14:33	VN120125
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/01/25 14:33	VN120125
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/01/25 14:33	VN120125
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/01/25 14:33	VN120125
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 14:33	VN120125
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/01/25 14:33	VN120125
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/01/25 14:33	VN120125
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/01/25 14:33	VN120125
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/01/25 14:33	VN120125
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/01/25 14:33	VN120125
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 14:33	VN120125
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/01/25 14:33	VN120125
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/01/25 14:33	VN120125
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/01/25 14:33	VN120125
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/01/25 14:33	VN120125
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 14:33	VN120125
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/01/25 14:33	VN120125
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/01/25 14:33	VN120125
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/01/25 14:33	VN120125
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/01/25 14:33	VN120125
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	12/01/25 14:33	VN120125
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/01/25 14:33	VN120125
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/01/25 14:33	VN120125
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/01/25 14:33	VN120125
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/01/25 14:33	VN120125
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/01/25 14:33	VN120125
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/01/25 14:33	VN120125
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/01/25 14:33	VN120125
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 14:33	VN120125
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	12/01/25 14:33	VN120125
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	12/01/25 14:33	VN120125
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/01/25 14:33	VN120125
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/01/25 14:33	VN120125

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: MW3
 Lab Sample ID: Q3716-02
 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.: Q3716
 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 14:33	VN120125
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	12/01/25 14:33	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/01/25 14:33	VN120125
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	12/01/25 14:33	VN120125
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 14:33	VN120125
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/01/25 14:33	VN120125
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/01/25 14:33	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/01/25 14:33	VN120125
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 14:33	VN120125
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/01/25 14:33	VN120125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.1			70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.2			70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.5			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	56.1			70 (77) - 130 (121)	112%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	207000
540-36-3	1,4-Difluorobenzene	482000
3114-55-4	Chlorobenzene-d5	474000
3855-82-1	1,4-Dichlorobenzene-d4	234000

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: Adoni
Client Sample ID: MW4
Lab Sample ID: Q3716-03
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.: Q3716
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	12/02/25 13:36	VN120225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/02/25 13:36	VN120225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/02/25 13:36	VN120225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/02/25 13:36	VN120225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/02/25 13:36	VN120225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/02/25 13:36	VN120225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/02/25 13:36	VN120225
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	12/02/25 13:36	VN120225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 13:36	VN120225
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/02/25 13:36	VN120225
75-15-0	Carbon Disulfide	1.80		1	0.21	1.00	ug/L	12/02/25 13:36	VN120225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/02/25 13:36	VN120225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/02/25 13:36	VN120225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/02/25 13:36	VN120225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 13:36	VN120225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/02/25 13:36	VN120225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/02/25 13:36	VN120225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/02/25 13:36	VN120225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/02/25 13:36	VN120225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/02/25 13:36	VN120225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 13:36	VN120225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/02/25 13:36	VN120225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/02/25 13:36	VN120225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/02/25 13:36	VN120225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/02/25 13:36	VN120225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 13:36	VN120225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/02/25 13:36	VN120225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/02/25 13:36	VN120225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 13:36	VN120225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/02/25 13:36	VN120225
108-88-3	Toluene	0.86	J	1	0.14	1.00	ug/L	12/02/25 13:36	VN120225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/02/25 13:36	VN120225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/02/25 13:36	VN120225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/02/25 13:36	VN120225
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/02/25 13:36	VN120225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/02/25 13:36	VN120225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/02/25 13:36	VN120225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 13:36	VN120225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/02/25 13:36	VN120225
100-41-4	Ethyl Benzene	0.25	J	1	0.13	1.00	ug/L	12/02/25 13:36	VN120225
179601-23-1	m/p-Xylenes	0.33	J	1	0.24	2.00	ug/L	12/02/25 13:36	VN120225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/02/25 13:36	VN120225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/02/25 13:36	VN120225

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: MW4
 Lab Sample ID: Q3716-03
 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.: Q3716
 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	12/02/25 13:36	VN120225
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	12/02/25 13:36	VN120225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/02/25 13:36	VN120225
95-63-6	1,2,4-Trimethylbenzene	0.33	J	1	0.14	1.00	ug/L	12/02/25 13:36	VN120225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/02/25 13:36	VN120225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/02/25 13:36	VN120225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/02/25 13:36	VN120225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/02/25 13:36	VN120225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/02/25 13:36	VN120225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/02/25 13:36	VN120225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	59.3			70 (74) - 130 (125)	119%	SPK: 50
1868-53-7	Dibromofluoromethane	51.8			70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.3			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	52.7			70 (77) - 130 (121)	105%	SPK: 50

INTERNAL STANDARDS

363-72-4	Pentafluorobenzene	172000
540-36-3	1,4-Difluorobenzene	395000
3114-55-4	Chlorobenzene-d5	393000
3855-82-1	1,4-Dichlorobenzene-d4	184000

TENTATIVE IDENTIFIED COMPOUNDS

000096-14-0	Pentane, 3-methyl-	10.4	J			5.81	ug/L
000565-59-3	Pentane, 2,3-dimethyl-	14.9	J			8.31	ug/L
000565-75-3	Pentane, 2,3,4-trimethyl-	36.5	J			9.99	ug/L
135-98-8	sec-Butylbenzene	0.51	J			13.6	ug/L
99-87-6	p-Isopropyltoluene	0.49	J			13.7	ug/L
104-51-8	n-Butylbenzene	0.52	J			14.0	ug/L
000527-84-4	o-Cymene	6.30	J			14.3	ug/L
000488-23-3	Benzene, 1,2,3,4-tetramethyl-	5.90	J			14.6	ug/L
004489-84-3	Benzene, (3-methyl-2-butenyl)-	13.1	J			15.3	ug/L
006682-71-9	1H-Indene, 2,3-dihydro-4,7-dimethyl-	9.70	J			15.4	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: MW7
 Lab Sample ID: Q3716-04
 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.: Q3716
 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	2.20	U	10	2.20	10.0	ug/L	12/01/25 13:52	VN120125
74-87-3	Chloromethane	3.20	U	10	3.20	10.0	ug/L	12/01/25 13:52	VN120125
75-01-4	Vinyl Chloride	2.60	U	10	2.60	10.0	ug/L	12/01/25 13:52	VN120125
74-83-9	Bromomethane	14.4	U	10	14.4	50.0	ug/L	12/01/25 13:52	VN120125
75-00-3	Chloroethane	4.70	U	10	4.70	10.0	ug/L	12/01/25 13:52	VN120125
75-69-4	Trichlorofluoromethane	3.30	U	10	3.30	10.0	ug/L	12/01/25 13:52	VN120125
76-13-1	1,1,2-Trichlorotrifluoroethane	2.50	U	10	2.50	10.0	ug/L	12/01/25 13:52	VN120125
75-65-0	Tert butyl alcohol	55.1	U	10	55.1	250	ug/L	12/01/25 13:52	VN120125
75-35-4	1,1-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	12/01/25 13:52	VN120125
67-64-1	Acetone	15.1	U	10	15.1	50.0	ug/L	12/01/25 13:52	VN120125
75-15-0	Carbon Disulfide	2.10	U	10	2.10	10.0	ug/L	12/01/25 13:52	VN120125
1634-04-4	Methyl tert-butyl Ether	1.60	U	10	1.60	10.0	ug/L	12/01/25 13:52	VN120125
79-20-9	Methyl Acetate	2.70	U	10	2.70	10.0	ug/L	12/01/25 13:52	VN120125
75-09-2	Methylene Chloride	2.80	U	10	2.80	10.0	ug/L	12/01/25 13:52	VN120125
156-60-5	trans-1,2-Dichloroethene	2.30	U	10	2.30	10.0	ug/L	12/01/25 13:52	VN120125
75-34-3	1,1-Dichloroethane	2.30	U	10	2.30	10.0	ug/L	12/01/25 13:52	VN120125
110-82-7	Cyclohexane	690		10	14.5	50.0	ug/L	12/01/25 13:52	VN120125
78-93-3	2-Butanone	9.80	U	10	9.80	50.0	ug/L	12/01/25 13:52	VN120125
56-23-5	Carbon Tetrachloride	2.50	U	10	2.50	10.0	ug/L	12/01/25 13:52	VN120125
156-59-2	cis-1,2-Dichloroethene	1.90	U	10	1.90	10.0	ug/L	12/01/25 13:52	VN120125
74-97-5	Bromochloromethane	2.20	U	10	2.20	10.0	ug/L	12/01/25 13:52	VN120125
67-66-3	Chloroform	2.50	U	10	2.50	10.0	ug/L	12/01/25 13:52	VN120125
71-55-6	1,1,1-Trichloroethane	2.00	U	10	2.00	10.0	ug/L	12/01/25 13:52	VN120125
108-87-2	Methylcyclohexane	720		10	1.60	10.0	ug/L	12/01/25 13:52	VN120125
71-43-2	Benzene	2200	E	10	1.50	10.0	ug/L	12/01/25 13:52	VN120125
107-06-2	1,2-Dichloroethane	2.20	U	10	2.20	10.0	ug/L	12/01/25 13:52	VN120125
79-01-6	Trichloroethene	0.93	U	10	0.93	10.0	ug/L	12/01/25 13:52	VN120125
78-87-5	1,2-Dichloropropane	2.00	U	10	2.00	10.0	ug/L	12/01/25 13:52	VN120125
75-27-4	Bromodichloromethane	2.20	U	10	2.20	10.0	ug/L	12/01/25 13:52	VN120125
108-10-1	4-Methyl-2-Pentanone	6.80	U	10	6.80	50.0	ug/L	12/01/25 13:52	VN120125
108-88-3	Toluene	14200	E	10	1.40	10.0	ug/L	12/01/25 13:52	VN120125
10061-02-6	t-1,3-Dichloropropene	1.70	U	10	1.70	10.0	ug/L	12/01/25 13:52	VN120125
10061-01-5	cis-1,3-Dichloropropene	1.60	U	10	1.60	10.0	ug/L	12/01/25 13:52	VN120125
79-00-5	1,1,2-Trichloroethane	2.10	U	10	2.10	10.0	ug/L	12/01/25 13:52	VN120125
591-78-6	2-Hexanone	8.90	U	10	8.90	50.0	ug/L	12/01/25 13:52	VN120125
124-48-1	Dibromochloromethane	1.80	U	10	1.80	10.0	ug/L	12/01/25 13:52	VN120125
106-93-4	1,2-Dibromoethane	1.50	U	10	1.50	10.0	ug/L	12/01/25 13:52	VN120125
127-18-4	Tetrachloroethene	2.30	U	10	2.30	10.0	ug/L	12/01/25 13:52	VN120125
108-90-7	Chlorobenzene	1.20	U	10	1.20	10.0	ug/L	12/01/25 13:52	VN120125
100-41-4	Ethyl Benzene	4800	E	10	1.30	10.0	ug/L	12/01/25 13:52	VN120125
179601-23-1	m/p-Xylenes	23700	E	10	2.40	20.0	ug/L	12/01/25 13:52	VN120125
95-47-6	o-Xylene	9100	E	10	1.20	10.0	ug/L	12/01/25 13:52	VN120125
100-42-5	Styrene	1.50	U	10	1.50	10.0	ug/L	12/01/25 13:52	VN120125

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: MW7
 Lab Sample ID: Q3716-04
 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.: Q3716
 Matrix: Water
 % Solid: 0
 Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	1.90	U	10	1.90	10.0	ug/L	12/01/25 13:52	VN120125
98-82-8	Isopropylbenzene	230		10	1.20	10.0	ug/L	12/01/25 13:52	VN120125
79-34-5	1,1,2,2-Tetrachloroethane	2.60	U	10	2.60	10.0	ug/L	12/01/25 13:52	VN120125
95-63-6	1,2,4-Trimethylbenzene	8500	E	10	1.40	10.0	ug/L	12/01/25 13:52	VN120125
541-73-1	1,3-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	12/01/25 13:52	VN120125
106-46-7	1,4-Dichlorobenzene	1.90	U	10	1.90	10.0	ug/L	12/01/25 13:52	VN120125
95-50-1	1,2-Dichlorobenzene	1.60	U	10	1.60	10.0	ug/L	12/01/25 13:52	VN120125
96-12-8	1,2-Dibromo-3-Chloropropane	5.30	U	10	5.30	10.0	ug/L	12/01/25 13:52	VN120125
120-82-1	1,2,4-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	12/01/25 13:52	VN120125
87-61-6	1,2,3-Trichlorobenzene	2.00	U	10	2.00	10.0	ug/L	12/01/25 13:52	VN120125

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.9			70 (74) - 130 (125)	106%	SPK: 50
1868-53-7	Dibromofluoromethane	50.7			70 (75) - 130 (124)	101%	SPK: 50
2037-26-5	Toluene-d8	50.5			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	59.8			70 (77) - 130 (121)	120%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	191000
540-36-3	1,4-Difluorobenzene	410000
3114-55-4	Chlorobenzene-d5	399000
3855-82-1	1,4-Dichlorobenzene-d4	206000

TENTATIVE IDENTIFIED COMPOUNDS

000078-78-4	Butane, 2-methyl-	1700	J		3.27	ug/L
000646-04-8	2-Pentene, (E)-	430	J		3.87	ug/L
000930-18-7	Cyclopropane, 1,2-dimethyl-, cis-	900	J		4.15	ug/L
000107-83-5	Pentane, 2-methyl-	1000	J		5.33	ug/L
000096-14-0	Pentane, 3-methyl-	460	J		5.80	ug/L
000096-37-7	Cyclopentane, methyl-	600	J		7.31	ug/L
103-65-1	n-propylbenzene	910	J		13.0	ug/L
000611-14-3	Benzene, 1-ethyl-2-methyl-	980	J		13.1	ug/L
108-67-8	1,3,5-Trimethylbenzene	2300	J		13.1	ug/L
000622-96-8	Benzene, 1-ethyl-4-methyl-	350	J		13.3	ug/L
135-98-8	sec-Butylbenzene	64.3	J		13.6	ug/L
99-87-6	p-Isopropyltoluene	38.5	J		13.7	ug/L
104-51-8	n-Butylbenzene	140	J		14.0	ug/L

U = Not Detected

LOQ = Limit of Quantitation

MDL = Method Detection Limit

LOD = Limit of Detection

E = Value Exceeds Calibration Range

Q = indicates LCS control criteria did not meet requirements

M = MS/MSD acceptance criteria did not meet requirements

J = Estimated Value

B = Analyte Found in Associated Method Blank

N = Presumptive Evidence of a Compound

* = Values outside of QC limits

D = Dilution

() = Laboratory InHouse Limit

A = Aldol-Condensation Reaction Products

Report of Analysis

Client: G Environmental
Project: Adoni
Client Sample ID: MW7DL
Lab Sample ID: Q3716-04DL
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.: Q3716
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	44.0	UD	200	44.0	200	ug/L	12/02/25 13:16	VN120225
74-87-3	Chloromethane	64.0	UD	200	64.0	200	ug/L	12/02/25 13:16	VN120225
75-01-4	Vinyl Chloride	52.0	UD	200	52.0	200	ug/L	12/02/25 13:16	VN120225
74-83-9	Bromomethane	290	UD	200	290	1000	ug/L	12/02/25 13:16	VN120225
75-00-3	Chloroethane	94.0	UD	200	94.0	200	ug/L	12/02/25 13:16	VN120225
75-69-4	Trichlorofluoromethane	66.0	UD	200	66.0	200	ug/L	12/02/25 13:16	VN120225
76-13-1	1,1,2-Trichlorotrifluoroethane	50.0	UD	200	50.0	200	ug/L	12/02/25 13:16	VN120225
75-65-0	Tert butyl alcohol	1100	UD	200	1100	5000	ug/L	12/02/25 13:16	VN120225
75-35-4	1,1-Dichloroethene	46.0	UD	200	46.0	200	ug/L	12/02/25 13:16	VN120225
67-64-1	Acetone	300	UD	200	300	1000	ug/L	12/02/25 13:16	VN120225
75-15-0	Carbon Disulfide	42.0	UD	200	42.0	200	ug/L	12/02/25 13:16	VN120225
1634-04-4	Methyl tert-butyl Ether	32.0	UD	200	32.0	200	ug/L	12/02/25 13:16	VN120225
79-20-9	Methyl Acetate	54.0	UD	200	54.0	200	ug/L	12/02/25 13:16	VN120225
75-09-2	Methylene Chloride	56.0	UD	200	56.0	200	ug/L	12/02/25 13:16	VN120225
156-60-5	trans-1,2-Dichloroethene	46.0	UD	200	46.0	200	ug/L	12/02/25 13:16	VN120225
75-34-3	1,1-Dichloroethane	46.0	UD	200	46.0	200	ug/L	12/02/25 13:16	VN120225
110-82-7	Cyclohexane	660	JD	200	290	1000	ug/L	12/02/25 13:16	VN120225
78-93-3	2-Butanone	200	UD	200	200	1000	ug/L	12/02/25 13:16	VN120225
56-23-5	Carbon Tetrachloride	50.0	UD	200	50.0	200	ug/L	12/02/25 13:16	VN120225
156-59-2	cis-1,2-Dichloroethene	38.0	UD	200	38.0	200	ug/L	12/02/25 13:16	VN120225
74-97-5	Bromochloromethane	44.0	UD	200	44.0	200	ug/L	12/02/25 13:16	VN120225
67-66-3	Chloroform	50.0	UD	200	50.0	200	ug/L	12/02/25 13:16	VN120225
71-55-6	1,1,1-Trichloroethane	40.0	UD	200	40.0	200	ug/L	12/02/25 13:16	VN120225
108-87-2	Methylcyclohexane	390	D	200	32.0	200	ug/L	12/02/25 13:16	VN120225
71-43-2	Benzene	2100	D	200	30.0	200	ug/L	12/02/25 13:16	VN120225
107-06-2	1,2-Dichloroethane	44.0	UD	200	44.0	200	ug/L	12/02/25 13:16	VN120225
79-01-6	Trichloroethene	18.6	UD	200	18.6	200	ug/L	12/02/25 13:16	VN120225
78-87-5	1,2-Dichloropropane	40.0	UD	200	40.0	200	ug/L	12/02/25 13:16	VN120225
75-27-4	Bromodichloromethane	44.0	UD	200	44.0	200	ug/L	12/02/25 13:16	VN120225
108-10-1	4-Methyl-2-Pentanone	140	UD	200	140	1000	ug/L	12/02/25 13:16	VN120225
108-88-3	Toluene	13000	D	200	28.0	200	ug/L	12/02/25 13:16	VN120225
10061-02-6	t-1,3-Dichloropropene	34.0	UD	200	34.0	200	ug/L	12/02/25 13:16	VN120225
10061-01-5	cis-1,3-Dichloropropene	32.0	UD	200	32.0	200	ug/L	12/02/25 13:16	VN120225
79-00-5	1,1,2-Trichloroethane	42.0	UD	200	42.0	200	ug/L	12/02/25 13:16	VN120225
591-78-6	2-Hexanone	180	UD	200	180	1000	ug/L	12/02/25 13:16	VN120225
124-48-1	Dibromochloromethane	36.0	UD	200	36.0	200	ug/L	12/02/25 13:16	VN120225
106-93-4	1,2-Dibromoethane	30.0	UD	200	30.0	200	ug/L	12/02/25 13:16	VN120225
127-18-4	Tetrachloroethene	46.0	UD	200	46.0	200	ug/L	12/02/25 13:16	VN120225
108-90-7	Chlorobenzene	24.0	UD	200	24.0	200	ug/L	12/02/25 13:16	VN120225
100-41-4	Ethyl Benzene	3800	D	200	26.0	200	ug/L	12/02/25 13:16	VN120225
179601-23-1	m/p-Xylenes	19200	D	200	48.0	400	ug/L	12/02/25 13:16	VN120225
95-47-6	o-Xylene	7400	D	200	24.0	200	ug/L	12/02/25 13:16	VN120225
100-42-5	Styrene	30.0	UD	200	30.0	200	ug/L	12/02/25 13:16	VN120225



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

Report of Analysis

Client: G Environmental
Project: Adoni
Client Sample ID: MW7DL
Lab Sample ID: Q3716-04DL
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.: Q3716
Matrix: Water
% Solid: 0
Test: VOCMS Group1

CAS Number	Parameter	Conc.	Qua.	DF	MDL	LOQ / CRQL	Units	Date Ana.	BatchID
75-25-2	Bromoform	38.0	UD	200	38.0	200	ug/L	12/02/25 13:16	VN120225
98-82-8	Isopropylbenzene	170	JD	200	24.0	200	ug/L	12/02/25 13:16	VN120225
79-34-5	1,1,2,2-Tetrachloroethane	52.0	UD	200	52.0	200	ug/L	12/02/25 13:16	VN120225
95-63-6	1,2,4-Trimethylbenzene	6600	D	200	28.0	200	ug/L	12/02/25 13:16	VN120225
541-73-1	1,3-Dichlorobenzene	32.0	UD	200	32.0	200	ug/L	12/02/25 13:16	VN120225
106-46-7	1,4-Dichlorobenzene	38.0	UD	200	38.0	200	ug/L	12/02/25 13:16	VN120225
95-50-1	1,2-Dichlorobenzene	32.0	UD	200	32.0	200	ug/L	12/02/25 13:16	VN120225
96-12-8	1,2-Dibromo-3-Chloropropane	110	UD	200	110	200	ug/L	12/02/25 13:16	VN120225
120-82-1	1,2,4-Trichlorobenzene	40.0	UD	200	40.0	200	ug/L	12/02/25 13:16	VN120225
87-61-6	1,2,3-Trichlorobenzene	40.0	UD	200	40.0	200	ug/L	12/02/25 13:16	VN120225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	57.0			70 (74) - 130 (125)	114%	SPK: 50
1868-53-7	Dibromofluoromethane	52.0			70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	49.6			70 (86) - 130 (113)	99%	SPK: 50
460-00-4	4-Bromofluorobenzene	55.7			70 (77) - 130 (121)	111%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	180000
540-36-3	1,4-Difluorobenzene	405000
3114-55-4	Chlorobenzene-d5	399000
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



QC SUMMARY

Surrogate Summary

SDG No.: **Q3716**

Client: **G Environmental**

Analytical Method: **SW8260-Low**

Lab Sample ID	Client ID	Parameter	Spike	Result	Recovery (%)	Qual	Limits (%)	
							Low	High
Q3716-01	MW5	1,2-Dichloroethane-d4	50	53.9	108		70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101		70 (75)	130 (124)
		Toluene-d8	50	50.6	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	54.0	108		70 (77)	130 (121)
Q3716-01DL	MW5DL	1,2-Dichloroethane-d4	50	62.5	125		70 (74)	130 (125)
		Dibromofluoromethane	50	52.5	105		70 (75)	130 (124)
		Toluene-d8	50	49.6	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.5	113		70 (77)	130 (121)
Q3716-02	MW3	1,2-Dichloroethane-d4	50	61.1	122		70 (74)	130 (125)
		Dibromofluoromethane	50	52.2	104		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	56.1	112		70 (77)	130 (121)
Q3716-03	MW4	1,2-Dichloroethane-d4	50	59.3	119		70 (74)	130 (125)
		Dibromofluoromethane	50	51.8	104		70 (75)	130 (124)
		Toluene-d8	50	50.3	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	52.6	105		70 (77)	130 (121)
Q3716-04	MW7	1,2-Dichloroethane-d4	50	53.0	106		70 (74)	130 (125)
		Dibromofluoromethane	50	50.6	101		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	59.8	120		70 (77)	130 (121)
Q3716-04DL	MW7DL	1,2-Dichloroethane-d4	50	57.0	114		70 (74)	130 (125)
		Dibromofluoromethane	50	52.0	104		70 (75)	130 (124)
		Toluene-d8	50	49.6	99		70 (86)	130 (113)
		4-Bromofluorobenzene	50	55.7	111		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)
VN1202WBL01	VN1202WBL01	1,2-Dichloroethane-d4	50	61.1	122		70 (74)	130 (125)
		Dibromofluoromethane	50	52.4	105		70 (75)	130 (124)
		Toluene-d8	50	50.1	100		70 (86)	130 (113)
		4-Bromofluorobenzene	50	51.8	104		70 (77)	130 (121)
VN1202WBS02	VN1202WBS02	1,2-Dichloroethane-d4	50	52.1	104		70 (74)	130 (125)
		Dibromofluoromethane	50	52.1	104		70 (75)	130 (124)
		Toluene-d8	50	50.5	101		70 (86)	130 (113)
		4-Bromofluorobenzene	50	49.3	99		70 (77)	130 (121)

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3716</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)	
	1,2,4-Trimethylbenzene	20	19.3	ug/L	97			70 (85)	130 (111)	
	1,3-Dichlorobenzene	20	19.0	ug/L	95			70 (82)	130 (108)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3716</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	1,4-Dichlorobenzene	20	18.5	ug/L	93			70 (82)	130 (107)	
	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>Q3716</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)
	1,2,4-Trimethylbenzene	20	19.7	ug/L	99	2		70 (85)	130 (111)	20 (20)
	1,3-Dichlorobenzene	20	19.5	ug/L	98	3		70 (82)	130 (108)	20 (20)

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3716</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	1,4-Dichlorobenzene	20	19.0	ug/L	95	2		70 (82)	130 (107)	20 (20)
	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>Q3716</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088400.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1202WBS02	Dichlorodifluoromethane	20	19.1	ug/L	96			40 (69)	160 (116)	
	Chloromethane	20	18.7	ug/L	94			40 (65)	160 (116)	
	Vinyl chloride	20	18.2	ug/L	91			70 (65)	130 (117)	
	Bromomethane	20	19.5	ug/L	98			40 (58)	160 (125)	
	Chloroethane	20	18.7	ug/L	94			40 (56)	160 (128)	
	Trichlorofluoromethane	20	18.8	ug/L	94			40 (73)	160 (115)	
	1,1,2-Trichlorotrifluoroethane	20	18.8	ug/L	94			70 (80)	130 (112)	
	Tert butyl alcohol	100	78.6	ug/L	79			70 (48)	130 (142)	
	1,1-Dichloroethene	20	18.5	ug/L	93			70 (74)	130 (110)	
	Acetone	100	87.8	ug/L	88			40 (60)	160 (125)	
	Carbon disulfide	20	18.6	ug/L	93			40 (64)	160 (112)	
	Methyl tert-butyl Ether	20	19.6	ug/L	98			70 (78)	130 (114)	
	Methyl Acetate	20	19.7	ug/L	99			70 (57)	130 (150)	
	Methylene Chloride	20	19.1	ug/L	96			70 (72)	130 (114)	
	trans-1,2-Dichloroethene	20	18.6	ug/L	93			70 (75)	130 (108)	
	1,1-Dichloroethane	20	19.2	ug/L	96			70 (78)	130 (112)	
	Cyclohexane	20	18.9	ug/L	95			70 (75)	130 (110)	
	2-Butanone	100	93.7	ug/L	94			40 (65)	160 (122)	
	Carbon Tetrachloride	20	19.1	ug/L	96			70 (77)	130 (113)	
	cis-1,2-Dichloroethene	20	18.6	ug/L	93			70 (77)	130 (110)	
	Bromochloromethane	20	20.9	ug/L	104			70 (70)	130 (124)	
	Chloroform	20	19.7	ug/L	99			70 (79)	130 (113)	
	1,1,1-Trichloroethane	20	18.8	ug/L	94			70 (80)	130 (108)	
	Methylcyclohexane	20	17.9	ug/L	90			70 (72)	130 (115)	
	Benzene	20	18.7	ug/L	94			70 (82)	130 (109)	
	1,2-Dichloroethane	20	20.3	ug/L	102			70 (80)	130 (115)	
	Trichloroethene	20	17.9	ug/L	90			70 (77)	130 (113)	
	1,2-Dichloropropane	20	19.1	ug/L	96			70 (83)	130 (111)	
	Bromodichloromethane	20	19.8	ug/L	99			70 (83)	130 (110)	
	4-Methyl-2-Pentanone	100	99.6	ug/L	100			40 (74)	160 (118)	
	Toluene	20	19.5	ug/L	98			70 (82)	130 (110)	
	t-1,3-Dichloropropene	20	18.7	ug/L	94			70 (79)	130 (110)	
	cis-1,3-Dichloropropene	20	19.0	ug/L	95			70 (82)	130 (110)	
	1,1,2-Trichloroethane	20	20.1	ug/L	101			70 (83)	130 (112)	
	2-Hexanone	100	93.9	ug/L	94			40 (73)	160 (117)	
	Dibromochloromethane	20	19.3	ug/L	97			70 (82)	130 (110)	
	1,2-Dibromoethane	20	19.5	ug/L	98			70 (81)	130 (110)	
	Tetrachloroethene	20	16.6	ug/L	83			70 (67)	130 (123)	
	Chlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	Ethyl Benzene	20	18.5	ug/L	93			70 (83)	130 (109)	
	m/p-Xylenes	40	37.6	ug/L	94			70 (82)	130 (110)	
	o-Xylene	20	18.1	ug/L	91			70 (83)	130 (109)	
	Styrene	20	19.3	ug/L	97			70 (80)	130 (111)	
	Bromoform	20	19.9	ug/L	100			70 (79)	130 (109)	
	Isopropylbenzene	20	18.6	ug/L	93			70 (83)	130 (112)	
	1,1,2,2-Tetrachloroethane	20	19.8	ug/L	99			70 (76)	130 (118)	
	1,2,4-Trimethylbenzene	20	19.6	ug/L	98			70 (85)	130 (111)	
	1,3-Dichlorobenzene	20	18.8	ug/L	94			70 (82)	130 (108)	

() = LABORATORY INHOUSE LIMIT

Laboratory Control Sample/Laboratory Control Sample Duplicate Summary

SW-846

SDG No.:	<u>Q3716</u>	Analytical Method:	<u>SW8260-Low</u>
Client:	<u>G Environmental</u>	Datafile :	<u>VN088400.D</u>

Lab Sample ID	Parameter	Spike	Result	Unit	Rec	RPD	Qual	Low	Limits High	RPD
VN1202WBS02	1,4-Dichlorobenzene	20	18.7	ug/L	94			70 (82)	130 (107)	
	1,2-Dichlorobenzene	20	18.8	ug/L	94			70 (82)	130 (109)	
	1,2-Dibromo-3-Chloropropane	20	18.8	ug/L	94			40 (68)	160 (112)	
	1,2,4-Trichlorobenzene	20	18.2	ug/L	91			70 (75)	130 (113)	
	1,2,3-Trichlorobenzene	20	18.5	ug/L	93			70 (76)	130 (114)	

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1201WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3716

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
MW5	Q3716-01	VN088377.D	12/01/2025
MW7	Q3716-04	VN088379.D	12/01/2025
MW3	Q3716-02	VN088381.D	12/01/2025

COMMENTS: _____

VOLATILE METHOD BLANK SUMMARY

Client ID

VN1202WBL01

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3716

Lab File ID: VN088397.D

Lab Sample ID: VN1202WBL01

Date Analyzed: 12/02/2025

Time Analyzed: 10:20

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
VN1202WBS02	VN1202WBS02	VN088400.D	12/02/2025
MW5DL	Q3716-01DL	VN088404.D	12/02/2025
MW7DL	Q3716-04DL	VN088405.D	12/02/2025
MW4	Q3716-03	VN088406.D	12/02/2025

COMMENTS: _____

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3716

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.: Q3716

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
MW5	Q3716-01	VN088377.D	12/01/2025	13:11
MW7	Q3716-04	VN088379.D	12/01/2025	13:52
MW3	Q3716-02	VN088381.D	12/01/2025	14:33

VOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
BROMOFLUOROBENZENE (BFB)

Lab Name: Alliance

Contract: GENV01

Lab Code: ACE

SDG NO.: Q3716

Lab File ID: VN088395.D

BFB Injection Date: 12/02/2025

Instrument ID: MSVOA_N

BFB Injection Time: 08:19

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	23.8
75	30.0 - 60.0% of mass 95	58.6
95	Base Peak, 100% relative abundance	100
96	5.0 - 9.0% of mass 95	7.6
173	Less than 2.0% of mass 174	1.3 (1.8) 1
174	50.0 - 100.0% of mass 95	71.5
175	5.0 - 9.0% of mass 174	5.2 (7.3) 1
176	95.0 - 101.0% of mass 174	68.1 (95.3) 1
177	5.0 - 9.0% of mass 176	4.4 (6.5) 2

1-Value is % mass 174

2-Value is % mass 176

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

CLIENT ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
VSTDCCC050	VSTDCCC050	VN088396.D	12/02/2025	10:00
VN1202WBL01	VN1202WBL01	VN088397.D	12/02/2025	10:20
VN1202WBS02	VN1202WBS02	VN088400.D	12/02/2025	11:34
MW5DL	Q3716-01DL	VN088404.D	12/02/2025	12:55
MW7DL	Q3716-04DL	VN088405.D	12/02/2025	13:16
MW4	Q3716-03	VN088406.D	12/02/2025	13:36

VOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: Alliance Contract: GENV01
Lab Code: ACE SDG NO.: Q3716
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.						
MW5	183421	8.21	409344	9.08	394596	11.84
MW3	207192	8.21	481798	9.08	474127	11.84
MW7	191077	8.21	409524	9.08	398646	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: Alliance Contract: GENV01
 Lab Code: ACE SDG NO.: Q3716
 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

	IS4 AREA #	RT #				
12 HOUR STD	197460	13.765				
UPPER LIMIT	394920	14.265				
LOWER LIMIT	98730	13.265				
EPA SAMPLE NO.						
MW5	195429	13.77				
MW3	234308	13.77				
MW7	206355	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.: Q3716
 Lab File ID: VN088396.D Date Analyzed: 12/02/2025
 Instrument ID: MSVOA_N Time Analyzed: 10:00
 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	256486	8.20	469714	9.08	423596	11.84
UPPER LIMIT	512972	8.7	939428	9.582	847192	12.341
LOWER LIMIT	128243	7.7	234857	8.582	211798	11.341
EPA SAMPLE NO.						
MW5DL	207935	8.21	480326	9.08	472979	11.84
MW4	171507	8.21	394843	9.08	392576	11.84
MW7DL	179775	8.21	404613	9.08	399064	11.84
VN1202WBL01	181798	8.21	415636	9.08	401801	11.84
VN1202WBS02	245156	8.21	446464	9.08	396309	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>Q3716</u>
Lab File ID:	<u>VN088396.D</u>	Date Analyzed:	<u>12/02/2025</u>
Instrument ID:	<u>MSVOA_N</u>	Time Analyzed:	<u>10:00</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	206439	13.764				
UPPER LIMIT	412878	14.264				
LOWER LIMIT	103220	13.264				
EPA SAMPLE NO.						
MW5DL	241090	13.77				
MW4	184143	13.77				
MW7DL	196778	13.77				
VN1202WBL01	185686	13.77				
VN1202WBS02	188408	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.



QC SAMPLE DATA

Report of Analysis

Client: G Environmental
 Project: Adoni
 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.: Q3716
 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



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

Report of Analysis

Client: G Environmental
Project: Adoni
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.: Q3716
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
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	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: Adoni
Client Sample ID: VN1202WBL01
Lab Sample ID: VN1202WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3716
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	12/02/25 10:20	VN120225
74-87-3	Chloromethane	0.32	U	1	0.32	1.00	ug/L	12/02/25 10:20	VN120225
75-01-4	Vinyl Chloride	0.26	U	1	0.26	1.00	ug/L	12/02/25 10:20	VN120225
74-83-9	Bromomethane	1.40	U	1	1.40	5.00	ug/L	12/02/25 10:20	VN120225
75-00-3	Chloroethane	0.47	U	1	0.47	1.00	ug/L	12/02/25 10:20	VN120225
75-69-4	Trichlorofluoromethane	0.33	U	1	0.33	1.00	ug/L	12/02/25 10:20	VN120225
76-13-1	1,1,2-Trichlorotrifluoroethane	0.25	U	1	0.25	1.00	ug/L	12/02/25 10:20	VN120225
75-65-0	Tert butyl alcohol	5.50	U	1	5.50	25.0	ug/L	12/02/25 10:20	VN120225
75-35-4	1,1-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 10:20	VN120225
67-64-1	Acetone	1.50	U	1	1.50	5.00	ug/L	12/02/25 10:20	VN120225
75-15-0	Carbon Disulfide	0.21	U	1	0.21	1.00	ug/L	12/02/25 10:20	VN120225
1634-04-4	Methyl tert-butyl Ether	0.16	U	1	0.16	1.00	ug/L	12/02/25 10:20	VN120225
79-20-9	Methyl Acetate	0.27	U	1	0.27	1.00	ug/L	12/02/25 10:20	VN120225
75-09-2	Methylene Chloride	0.28	U	1	0.28	1.00	ug/L	12/02/25 10:20	VN120225
156-60-5	trans-1,2-Dichloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 10:20	VN120225
75-34-3	1,1-Dichloroethane	0.23	U	1	0.23	1.00	ug/L	12/02/25 10:20	VN120225
110-82-7	Cyclohexane	1.50	U	1	1.50	5.00	ug/L	12/02/25 10:20	VN120225
78-93-3	2-Butanone	0.98	U	1	0.98	5.00	ug/L	12/02/25 10:20	VN120225
56-23-5	Carbon Tetrachloride	0.25	U	1	0.25	1.00	ug/L	12/02/25 10:20	VN120225
156-59-2	cis-1,2-Dichloroethene	0.19	U	1	0.19	1.00	ug/L	12/02/25 10:20	VN120225
74-97-5	Bromochloromethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 10:20	VN120225
67-66-3	Chloroform	0.25	U	1	0.25	1.00	ug/L	12/02/25 10:20	VN120225
71-55-6	1,1,1-Trichloroethane	0.20	U	1	0.20	1.00	ug/L	12/02/25 10:20	VN120225
108-87-2	Methylcyclohexane	0.16	U	1	0.16	1.00	ug/L	12/02/25 10:20	VN120225
71-43-2	Benzene	0.15	U	1	0.15	1.00	ug/L	12/02/25 10:20	VN120225
107-06-2	1,2-Dichloroethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 10:20	VN120225
79-01-6	Trichloroethene	0.090	U	1	0.090	1.00	ug/L	12/02/25 10:20	VN120225
78-87-5	1,2-Dichloropropane	0.20	U	1	0.20	1.00	ug/L	12/02/25 10:20	VN120225
75-27-4	Bromodichloromethane	0.22	U	1	0.22	1.00	ug/L	12/02/25 10:20	VN120225
108-10-1	4-Methyl-2-Pentanone	0.68	U	1	0.68	5.00	ug/L	12/02/25 10:20	VN120225
108-88-3	Toluene	0.14	U	1	0.14	1.00	ug/L	12/02/25 10:20	VN120225
10061-02-6	t-1,3-Dichloropropene	0.17	U	1	0.17	1.00	ug/L	12/02/25 10:20	VN120225
10061-01-5	cis-1,3-Dichloropropene	0.16	U	1	0.16	1.00	ug/L	12/02/25 10:20	VN120225
79-00-5	1,1,2-Trichloroethane	0.21	U	1	0.21	1.00	ug/L	12/02/25 10:20	VN120225
591-78-6	2-Hexanone	0.89	U	1	0.89	5.00	ug/L	12/02/25 10:20	VN120225
124-48-1	Dibromochloromethane	0.18	U	1	0.18	1.00	ug/L	12/02/25 10:20	VN120225
106-93-4	1,2-Dibromoethane	0.15	U	1	0.15	1.00	ug/L	12/02/25 10:20	VN120225
127-18-4	Tetrachloroethene	0.23	U	1	0.23	1.00	ug/L	12/02/25 10:20	VN120225
108-90-7	Chlorobenzene	0.12	U	1	0.12	1.00	ug/L	12/02/25 10:20	VN120225
100-41-4	Ethyl Benzene	0.13	U	1	0.13	1.00	ug/L	12/02/25 10:20	VN120225
179601-23-1	m/p-Xylenes	0.24	U	1	0.24	2.00	ug/L	12/02/25 10:20	VN120225
95-47-6	o-Xylene	0.12	U	1	0.12	1.00	ug/L	12/02/25 10:20	VN120225
100-42-5	Styrene	0.15	U	1	0.15	1.00	ug/L	12/02/25 10:20	VN120225



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

Report of Analysis

Client: G Environmental
Project: Adoni
Client Sample ID: VN1202WBL01
Lab Sample ID: VN1202WBL01
Analytical Method: 8260D
Sample Wt/Vol: 5 mL

Level: LOW
Final Vol: 5000 uL

Date Collected:
Date Received:
SDG No.: Q3716
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	12/02/25 10:20	VN120225
98-82-8	Isopropylbenzene	0.12	U	1	0.12	1.00	ug/L	12/02/25 10:20	VN120225
79-34-5	1,1,2,2-Tetrachloroethane	0.26	U	1	0.26	1.00	ug/L	12/02/25 10:20	VN120225
95-63-6	1,2,4-Trimethylbenzene	0.14	U	1	0.14	1.00	ug/L	12/02/25 10:20	VN120225
541-73-1	1,3-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/02/25 10:20	VN120225
106-46-7	1,4-Dichlorobenzene	0.19	U	1	0.19	1.00	ug/L	12/02/25 10:20	VN120225
95-50-1	1,2-Dichlorobenzene	0.16	U	1	0.16	1.00	ug/L	12/02/25 10:20	VN120225
96-12-8	1,2-Dibromo-3-Chloropropane	0.53	U	1	0.53	1.00	ug/L	12/02/25 10:20	VN120225
120-82-1	1,2,4-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/02/25 10:20	VN120225
87-61-6	1,2,3-Trichlorobenzene	0.20	U	1	0.20	1.00	ug/L	12/02/25 10:20	VN120225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	61.1			70 (74) - 130 (125)	122%	SPK: 50
1868-53-7	Dibromofluoromethane	52.4			70 (75) - 130 (124)	105%	SPK: 50
2037-26-5	Toluene-d8	50.1			70 (86) - 130 (113)	100%	SPK: 50
460-00-4	4-Bromofluorobenzene	51.8			70 (77) - 130 (121)	104%	SPK: 50

INTERNAL STANDARDS

Area Count

363-72-4	Pentafluorobenzene	182000
540-36-3	1,4-Difluorobenzene	416000
3114-55-4	Chlorobenzene-d5	402000
3855-82-1	1,4-Dichlorobenzene-d4	186000

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: Adoni
 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.: Q3716
 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

Report of Analysis

Client: G Environmental
 Project: Adoni
 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.: Q3716
 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
95-63-6	1,2,4-Trimethylbenzene	19.3		1	0.14	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: Adoni
 Client Sample ID: VN1202WBS02
 Lab Sample ID: VN1202WBS02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3716
 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	19.1		1	0.22	1.00	ug/L	12/02/25 11:34	VN120225
74-87-3	Chloromethane	18.7		1	0.32	1.00	ug/L	12/02/25 11:34	VN120225
75-01-4	Vinyl Chloride	18.2		1	0.26	1.00	ug/L	12/02/25 11:34	VN120225
74-83-9	Bromomethane	19.5		1	1.40	5.00	ug/L	12/02/25 11:34	VN120225
75-00-3	Chloroethane	18.7		1	0.47	1.00	ug/L	12/02/25 11:34	VN120225
75-69-4	Trichlorofluoromethane	18.8		1	0.33	1.00	ug/L	12/02/25 11:34	VN120225
76-13-1	1,1,2-Trichlorotrifluoroethane	18.8		1	0.25	1.00	ug/L	12/02/25 11:34	VN120225
75-65-0	Tert butyl alcohol	78.6		1	5.50	25.0	ug/L	12/02/25 11:34	VN120225
75-35-4	1,1-Dichloroethene	18.5		1	0.23	1.00	ug/L	12/02/25 11:34	VN120225
67-64-1	Acetone	87.8		1	1.50	5.00	ug/L	12/02/25 11:34	VN120225
75-15-0	Carbon Disulfide	18.6		1	0.21	1.00	ug/L	12/02/25 11:34	VN120225
1634-04-4	Methyl tert-butyl Ether	19.6		1	0.16	1.00	ug/L	12/02/25 11:34	VN120225
79-20-9	Methyl Acetate	19.7		1	0.27	1.00	ug/L	12/02/25 11:34	VN120225
75-09-2	Methylene Chloride	19.1		1	0.28	1.00	ug/L	12/02/25 11:34	VN120225
156-60-5	trans-1,2-Dichloroethene	18.6		1	0.23	1.00	ug/L	12/02/25 11:34	VN120225
75-34-3	1,1-Dichloroethane	19.2		1	0.23	1.00	ug/L	12/02/25 11:34	VN120225
110-82-7	Cyclohexane	18.9		1	1.50	5.00	ug/L	12/02/25 11:34	VN120225
78-93-3	2-Butanone	93.7		1	0.98	5.00	ug/L	12/02/25 11:34	VN120225
56-23-5	Carbon Tetrachloride	19.1		1	0.25	1.00	ug/L	12/02/25 11:34	VN120225
156-59-2	cis-1,2-Dichloroethene	18.6		1	0.19	1.00	ug/L	12/02/25 11:34	VN120225
74-97-5	Bromochloromethane	20.9		1	0.22	1.00	ug/L	12/02/25 11:34	VN120225
67-66-3	Chloroform	19.7		1	0.25	1.00	ug/L	12/02/25 11:34	VN120225
71-55-6	1,1,1-Trichloroethane	18.8		1	0.20	1.00	ug/L	12/02/25 11:34	VN120225
108-87-2	Methylcyclohexane	17.9		1	0.16	1.00	ug/L	12/02/25 11:34	VN120225
71-43-2	Benzene	18.7		1	0.15	1.00	ug/L	12/02/25 11:34	VN120225
107-06-2	1,2-Dichloroethane	20.3		1	0.22	1.00	ug/L	12/02/25 11:34	VN120225
79-01-6	Trichloroethene	17.9		1	0.090	1.00	ug/L	12/02/25 11:34	VN120225
78-87-5	1,2-Dichloropropane	19.1		1	0.20	1.00	ug/L	12/02/25 11:34	VN120225
75-27-4	Bromodichloromethane	19.8		1	0.22	1.00	ug/L	12/02/25 11:34	VN120225
108-10-1	4-Methyl-2-Pentanone	99.6		1	0.68	5.00	ug/L	12/02/25 11:34	VN120225
108-88-3	Toluene	19.5		1	0.14	1.00	ug/L	12/02/25 11:34	VN120225
10061-02-6	t-1,3-Dichloropropene	18.7		1	0.17	1.00	ug/L	12/02/25 11:34	VN120225
10061-01-5	cis-1,3-Dichloropropene	19.0		1	0.16	1.00	ug/L	12/02/25 11:34	VN120225
79-00-5	1,1,2-Trichloroethane	20.1		1	0.21	1.00	ug/L	12/02/25 11:34	VN120225
591-78-6	2-Hexanone	93.9		1	0.89	5.00	ug/L	12/02/25 11:34	VN120225
124-48-1	Dibromochloromethane	19.3		1	0.18	1.00	ug/L	12/02/25 11:34	VN120225
106-93-4	1,2-Dibromoethane	19.5		1	0.15	1.00	ug/L	12/02/25 11:34	VN120225
127-18-4	Tetrachloroethene	16.6		1	0.23	1.00	ug/L	12/02/25 11:34	VN120225
108-90-7	Chlorobenzene	18.8		1	0.12	1.00	ug/L	12/02/25 11:34	VN120225
100-41-4	Ethyl Benzene	18.5		1	0.13	1.00	ug/L	12/02/25 11:34	VN120225
179601-23-1	m/p-Xylenes	37.6		1	0.24	2.00	ug/L	12/02/25 11:34	VN120225
95-47-6	o-Xylene	18.1		1	0.12	1.00	ug/L	12/02/25 11:34	VN120225
100-42-5	Styrene	19.3		1	0.15	1.00	ug/L	12/02/25 11:34	VN120225

Report of Analysis

Client: G Environmental
 Project: Adoni
 Client Sample ID: VN1202WBS02
 Lab Sample ID: VN1202WBS02
 Analytical Method: 8260D
 Sample Wt/Vol: 5 mL

Level: LOW
 Final Vol: 5000 uL

Date Collected:
 Date Received:
 SDG No.: Q3716
 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	12/02/25 11:34	VN120225
98-82-8	Isopropylbenzene	18.6		1	0.12	1.00	ug/L	12/02/25 11:34	VN120225
79-34-5	1,1,2,2-Tetrachloroethane	19.8		1	0.26	1.00	ug/L	12/02/25 11:34	VN120225
95-63-6	1,2,4-Trimethylbenzene	19.6		1	0.14	1.00	ug/L	12/02/25 11:34	VN120225
541-73-1	1,3-Dichlorobenzene	18.8		1	0.16	1.00	ug/L	12/02/25 11:34	VN120225
106-46-7	1,4-Dichlorobenzene	18.7		1	0.19	1.00	ug/L	12/02/25 11:34	VN120225
95-50-1	1,2-Dichlorobenzene	18.8		1	0.16	1.00	ug/L	12/02/25 11:34	VN120225
96-12-8	1,2-Dibromo-3-Chloropropane	18.8		1	0.53	1.00	ug/L	12/02/25 11:34	VN120225
120-82-1	1,2,4-Trichlorobenzene	18.2		1	0.20	1.00	ug/L	12/02/25 11:34	VN120225
87-61-6	1,2,3-Trichlorobenzene	18.5		1	0.20	1.00	ug/L	12/02/25 11:34	VN120225

SURROGATES

17060-07-0	1,2-Dichloroethane-d4	52.1			70 (74) - 130 (125)	104%	SPK: 50
1868-53-7	Dibromofluoromethane	52.1			70 (75) - 130 (124)	104%	SPK: 50
2037-26-5	Toluene-d8	50.5			70 (86) - 130 (113)	101%	SPK: 50
460-00-4	4-Bromofluorobenzene	49.3			70 (77) - 130 (121)	99%	SPK: 50

INTERNAL STANDARDS

INTERNAL STANDARDS		Area Count
363-72-4	Pentafluorobenzene	245000
540-36-3	1,4-Difluorobenzene	446000
3114-55-4	Chlorobenzene-d5	396000
3855-82-1	1,4-Dichlorobenzene-d4	188000

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: Adoni
 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.: Q3716
 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



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

Report of Analysis

Client: G Environmental
Project: Adoni
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.: Q3716
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
95-63-6	1,2,4-Trimethylbenzene	19.7		1	0.14	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>Q3716</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>Q3716</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
1,2,4-Trimethylbenzene	2.572	2.827	3.310	3.112	3.344	3.105	3.045	9.7
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 CONTINUING CALIBRATION CHECK

Lab Name:	<u>Alliance</u>	Contract:	<u>GENV01</u>
Lab Code:	<u>ACE</u>	SDG No.:	<u>Q3716</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>Q3716</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
1,2,4-Trimethylbenzene	3.045	3.569		17.21	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>Q3716</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/02/2025</u> <u>10:00</u>
Lab File ID:	<u>VN088396.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
Dichlorodifluoromethane	0.751	0.786		4.66	20
Chloromethane	0.807	0.845	0.1	4.71	20
Vinyl Chloride	0.821	0.843		2.68	20
Bromomethane	0.395	0.429		8.61	20
Chloroethane	0.508	0.539		6.1	20
Trichlorofluoromethane	1.153	1.181		2.43	20
1,1,2-Trichlorotrifluoroethane	0.614	0.613		-0.16	20
Tert butyl alcohol	0.150	0.138		-8	20
1,1-Dichloroethene	0.610	0.615		0.82	20
Acetone	0.341	0.307		-9.97	20
Carbon Disulfide	1.993	2.027		1.71	20
Methyl tert-butyl Ether	2.285	2.558		11.95	20
Methyl Acetate	1.014	1.074		5.92	20
Methylene Chloride	0.729	0.758		3.98	20
trans-1,2-Dichloroethene	0.676	0.712		5.32	20
1,1-Dichloroethane	1.367	1.456	0.1	6.51	20
Cyclohexane	1.239	1.232		-0.56	20
2-Butanone	0.548	0.563		2.74	20
Carbon Tetrachloride	0.532	0.564		6.01	20
cis-1,2-Dichloroethene	0.785	0.832		5.99	20
Bromochloromethane	0.681	0.699		2.64	20
Chloroform	1.343	1.462		8.86	20
1,1,1-Trichloroethane	1.181	1.247		5.59	20
Methylcyclohexane	0.572	0.574		0.35	20
Benzene	1.570	1.657		5.54	20
1,2-Dichloroethane	0.599	0.667		11.35	20
Trichloroethene	0.371	0.369		-0.54	20
1,2-Dichloropropane	0.402	0.431		7.21	20
Bromodichloromethane	0.586	0.638		8.87	20
4-Methyl-2-Pentanone	0.633	0.694		9.64	20
Toluene	0.906	1.005		10.93	20
t-1,3-Dichloropropene	0.601	0.670		11.48	20
cis-1,3-Dichloropropene	0.632	0.699		10.6	20
1,1,2-Trichloroethane	0.351	0.376		7.12	20
2-Hexanone	0.399	0.450		12.78	20
Dibromochloromethane	0.400	0.439		9.75	20
1,2-Dibromoethane	0.355	0.382		7.61	20
Tetrachloroethene	0.396	0.355		-10.35	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>Q3716</u>
Instrument ID:	<u>MSVOA_N</u>	Calibration Date/Time:	<u>12/02/2025</u> <u>10:00</u>
Lab File ID:	<u>VN088396.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	1.184	0.3	5.43	20
Ethyl Benzene	1.963	2.113		7.64	20
m/p-Xylenes	0.728	0.798		9.61	20
o-Xylene	0.694	0.758		9.22	20
Styrene	1.127	1.318		16.95	20
Bromoform	0.277	0.305	0.1	10.11	20
Isopropylbenzene	3.697	4.066		9.98	20
1,1,2,2-Tetrachloroethane	1.195	1.245	0.3	4.18	20
1,2,4-Trimethylbenzene	3.045	3.455		13.47	20
1,3-Dichlorobenzene	1.647	1.752		6.38	20
1,4-Dichlorobenzene	1.725	1.800		4.35	20
1,2-Dichlorobenzene	1.550	1.664		7.36	20
1,2-Dibromo-3-Chloropropane	0.290	0.303		4.48	20
1,2,4-Trichlorobenzene	0.921	0.953		3.47	20
1,2,3-Trichlorobenzene	0.896	0.919		2.57	20
1,2-Dichloroethane-d4	0.942	0.990		5.1	20
Dibromofluoromethane	0.346	0.360		4.05	20
Toluene-d8	1.289	1.336		3.65	20
4-Bromofluorobenzene	0.442	0.474		7.24	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_N\Data\VN120125\
 Data File : VN088377.D
 Acq On : 01 Dec 2025 13:11
 Operator : JC\MD
 Sample : Q3716-01 4X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5

Manual Integrations APPROVED

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

Quant Time: Dec 02 00:12:50 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	183421	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	409344	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	394596	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	195429	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	186169	53.880	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 107.760%			
35) Dibromofluoromethane	8.147	113	143586	50.617	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.240%			
50) Toluene-d8	10.547	98	534292	50.620	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.240%			
62) 4-Bromofluorobenzene	12.829	95	195668	54.029	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 108.060%			
Target Compounds					Qvalue	
17) Carbon Disulfide	4.718	76	23479	3.211	ug/l #	91
25) 2-Butanone	7.477	43	54284	27.022	ug/l	97
31) Cyclohexane	8.241	56	116339	25.601	ug/l #	90
39) Methylcyclohexane	9.576	83	77832	16.621	ug/l	91
40) Benzene	8.588	78	285591	22.226	ug/l	100
52) Toluene	10.606	92	256896	34.624	ug/l	99
67) Ethyl Benzene	11.941	91	1259704	81.316	ug/l	98
68) m/p-Xylenes	12.047	106	2082018	362.488	ug/l	99
69) o-Xylene	12.376	106	686034	125.284	ug/l	100
73) Isopropylbenzene	12.670	105	82688	5.722	ug/l	100
78) n-propylbenzene	13.012	91	272873	15.436	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	969130	80.939	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	3325259	279.403	ug/l	99
85) sec-Butylbenzene	13.588	105	22420m	1.533	ug/l	
86) p-Isopropyltoluene	13.706	119	14583	1.216	ug/l #	72
89) n-Butylbenzene	14.023	91	15672m	1.346	ug/l	

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

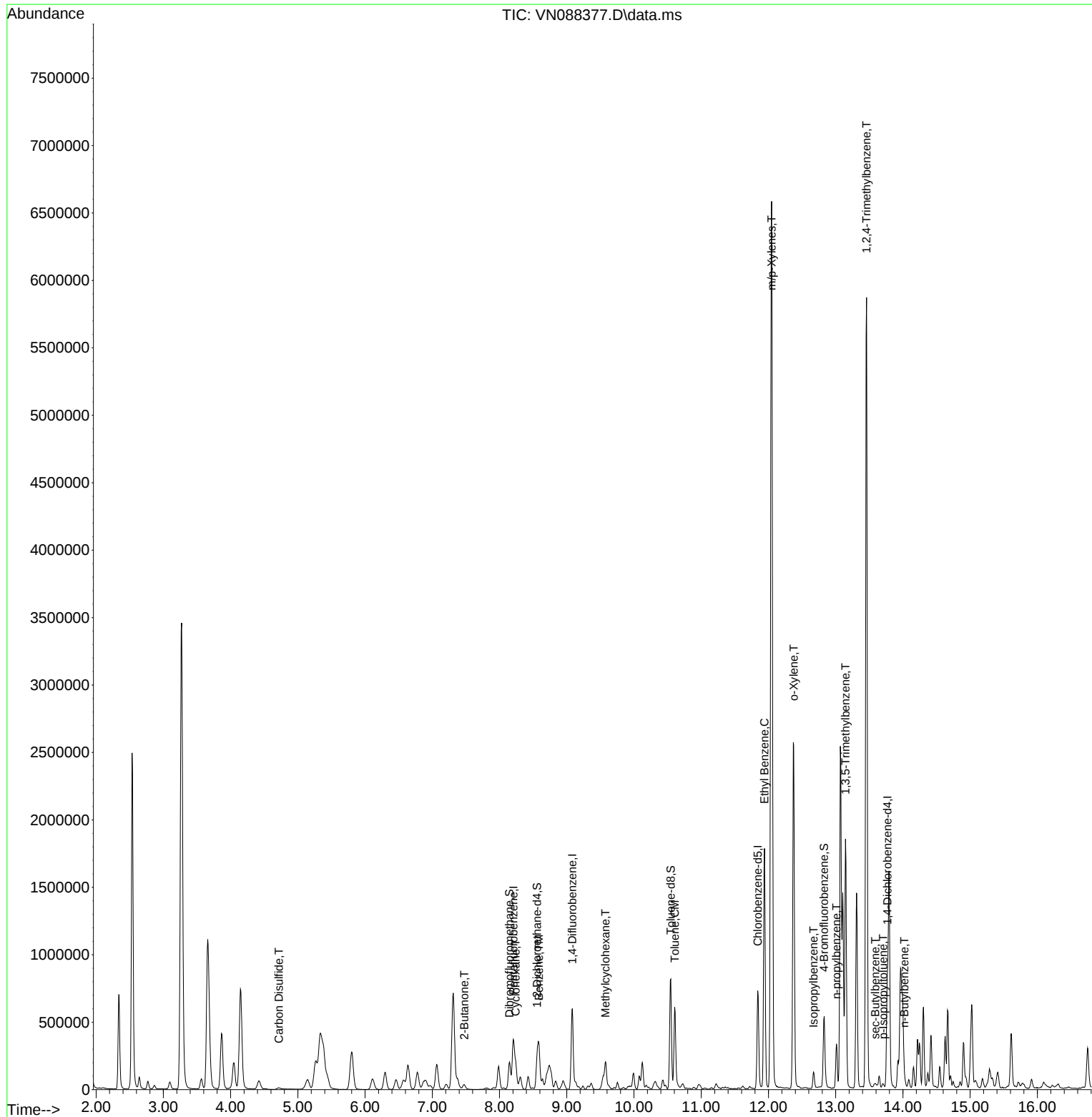
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

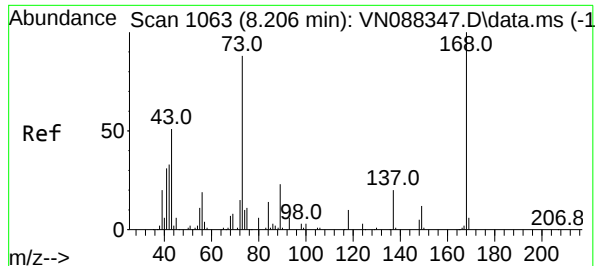
Instrument :
MSVOA_N
ClientSampleId :
MW5

Manual Integrations
APPROVED

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

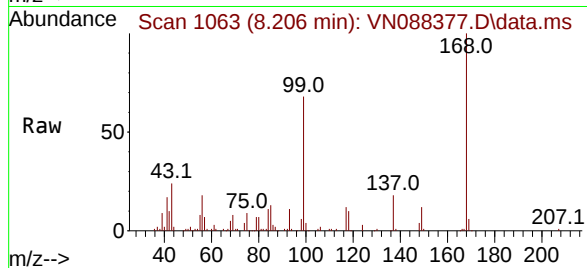
Quant Time: Dec 02 00:12:50 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

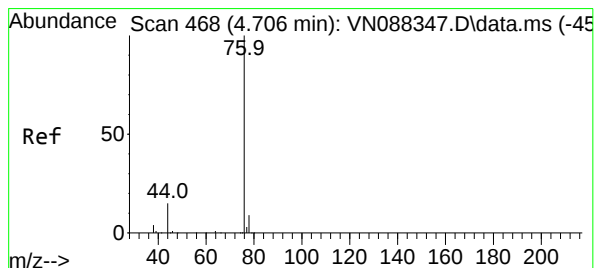
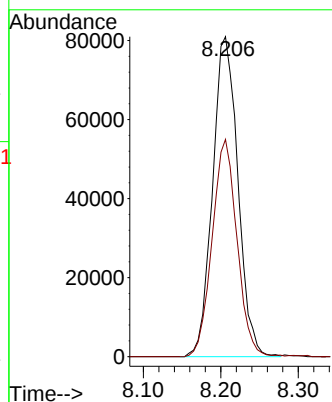
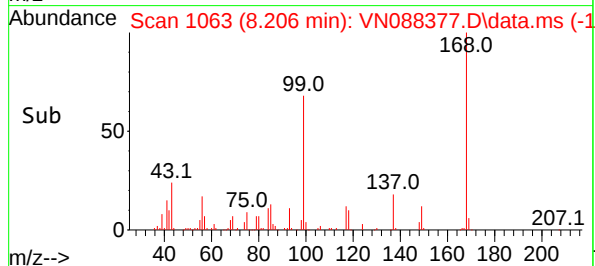
Instrument :
MSVOA_N
ClientSampleId :
MW5



Tgt Ion:168 Resp: 18342
Ion Ratio Lower Upper
168 100
99 67.9 57.1 85.7

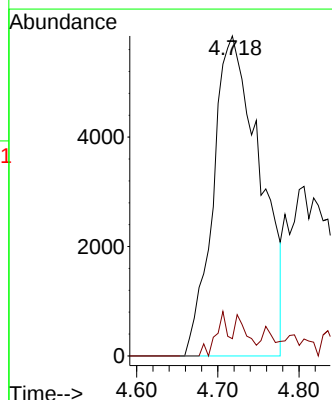
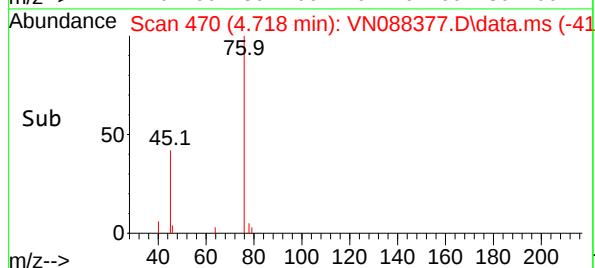
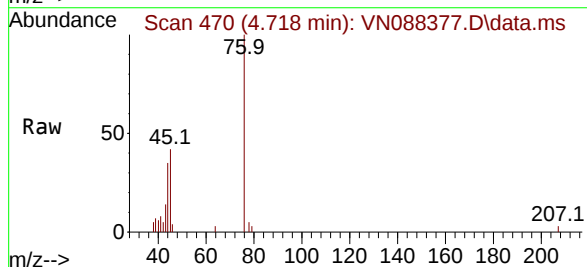
Manual Integrations
APPROVED

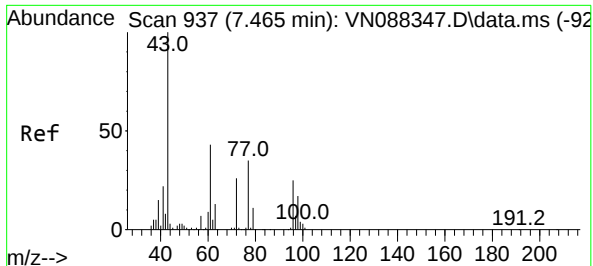
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#17
Carbon Disulfide
Concen: 3.211 ug/l
RT: 4.718 min Scan# 470
Delta R.T. 0.012 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Tgt Ion: 76 Resp: 23479
Ion Ratio Lower Upper
76 100
78 5.4 7.0 10.4#





#25

2-Butanone

Concen: 27.022 ug/l

RT: 7.477 min Scan# 91

Delta R.T. 0.012 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

MW5

Tgt Ion: 43 Resp: 54284

Ion Ratio Lower Upper

43 100

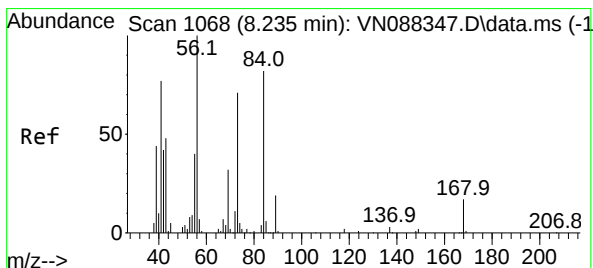
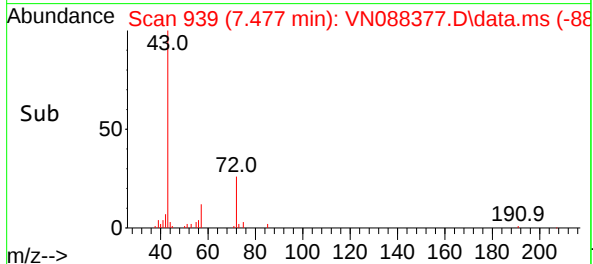
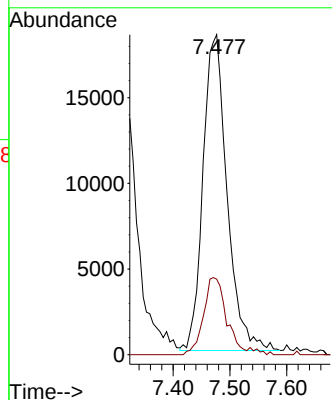
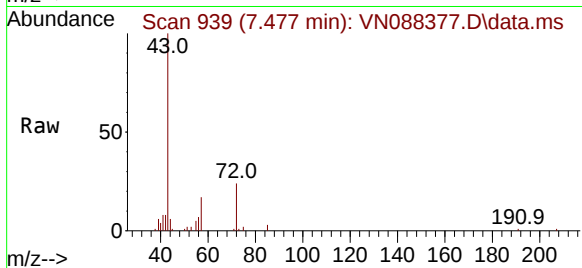
72 23.9 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#31

Cyclohexane

Concen: 25.601 ug/l

RT: 8.241 min Scan# 1069

Delta R.T. 0.006 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

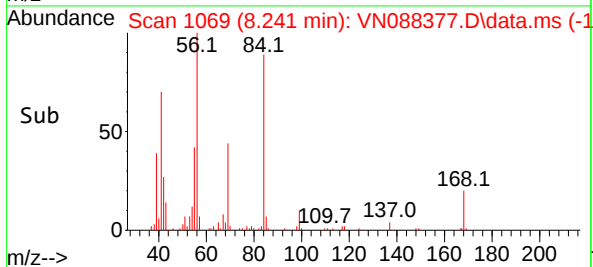
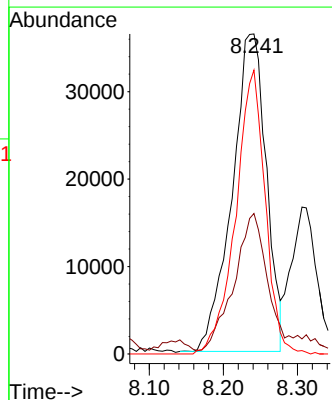
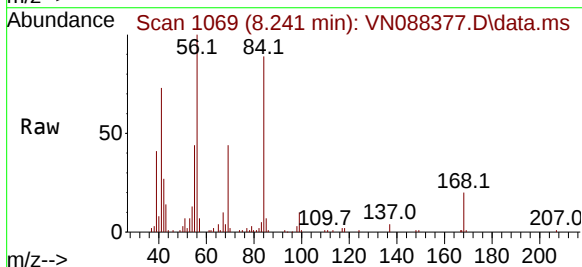
Tgt Ion: 56 Resp: 116339

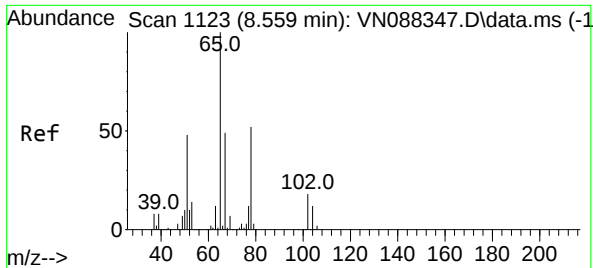
Ion Ratio Lower Upper

56 100

69 39.8 25.3 37.9#

84 89.4 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 53.880 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

MW5

Tgt Ion: 65 Resp: 186169

Ion Ratio Lower Upper

65 100

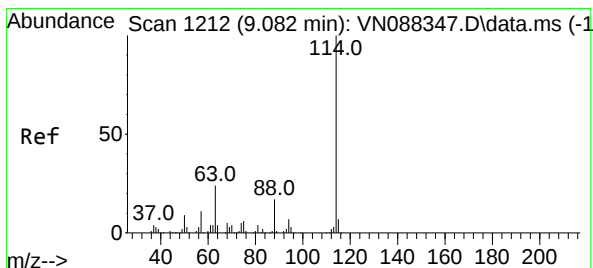
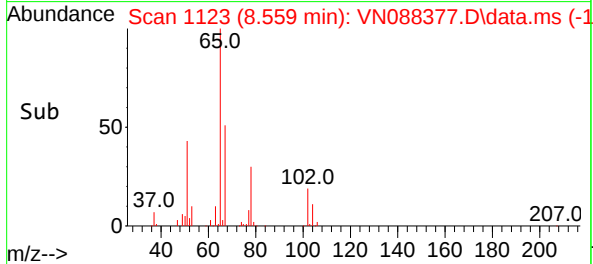
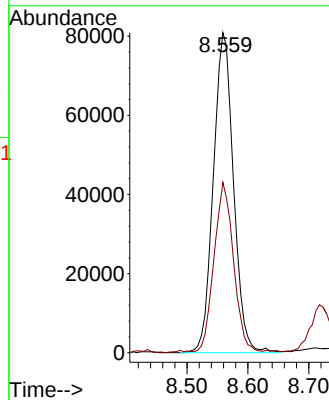
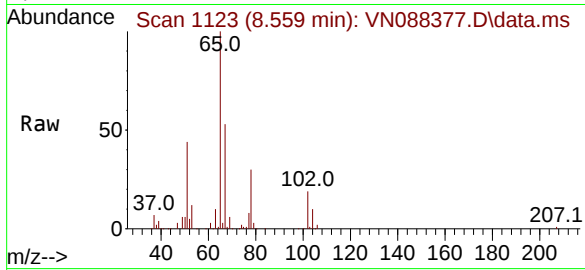
67 50.6 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

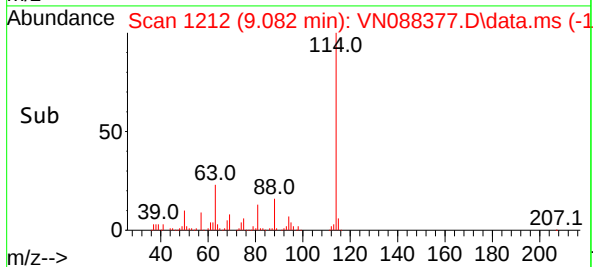
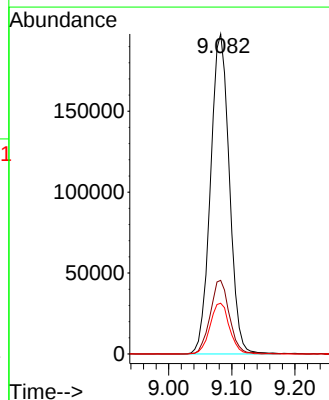
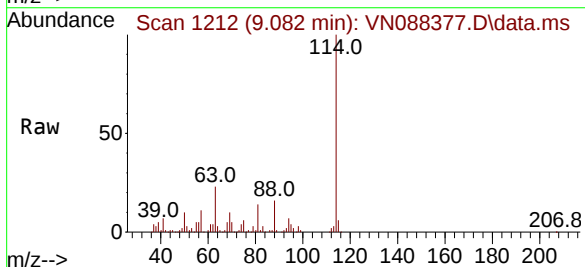
Tgt Ion:114 Resp: 409344

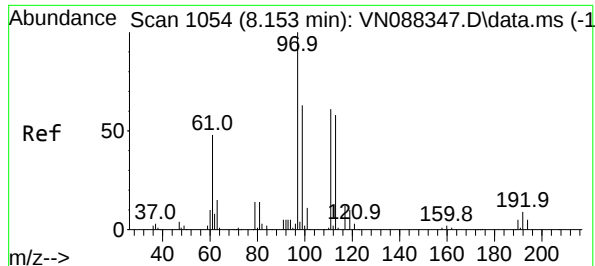
Ion Ratio Lower Upper

114 100

63 23.0 0.0 49.0

88 15.8 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.617 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

MW5

Tgt Ion:113 Resp: 143580

Ion Ratio Lower Upper

113 100

111 102.3 82.5 123.7

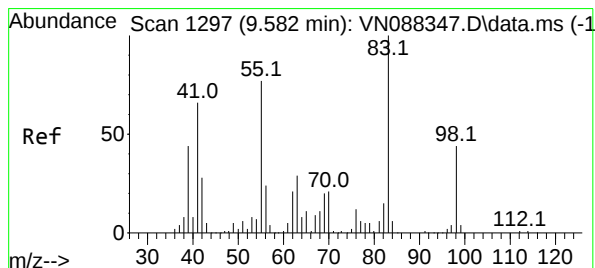
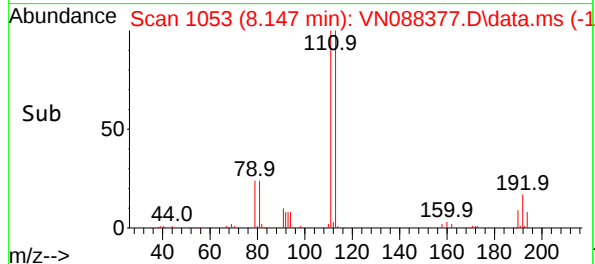
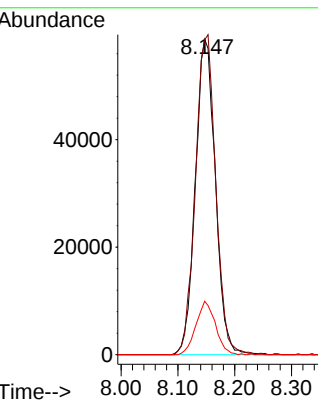
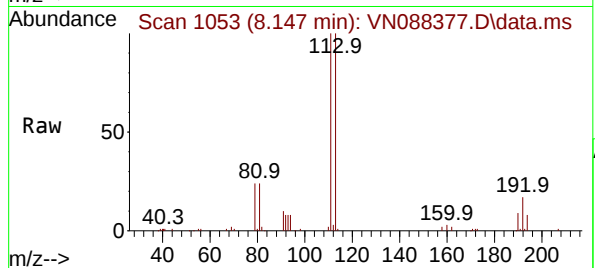
192 16.5 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#39

Methylcyclohexane

Concen: 16.621 ug/l

RT: 9.576 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

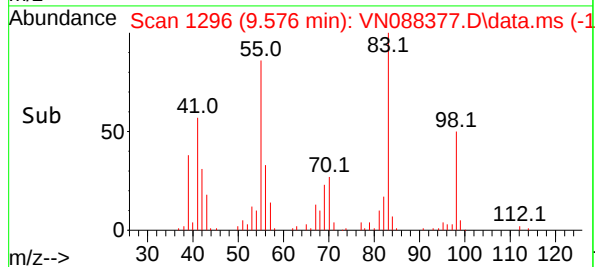
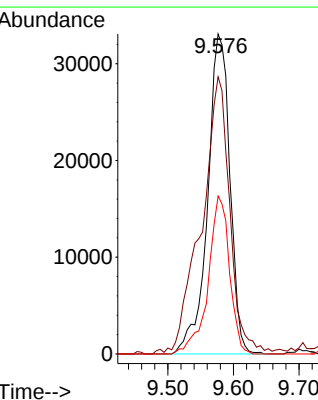
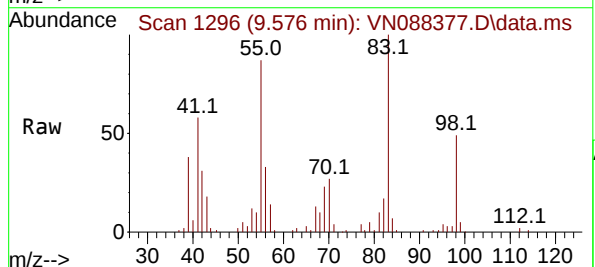
Tgt Ion: 83 Resp: 77832

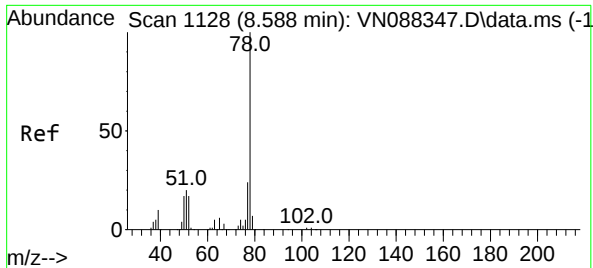
Ion Ratio Lower Upper

83 100

55 84.9 61.6 92.4

98 49.3 35.3 52.9





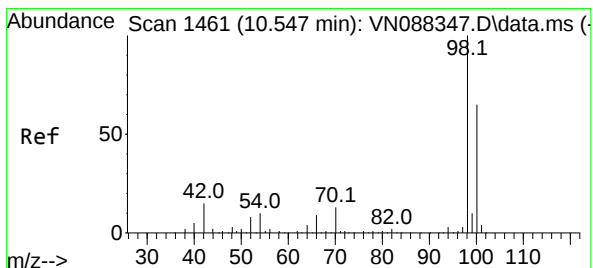
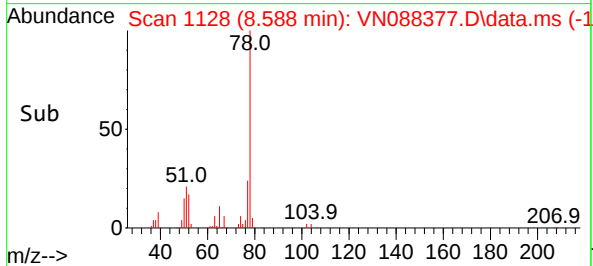
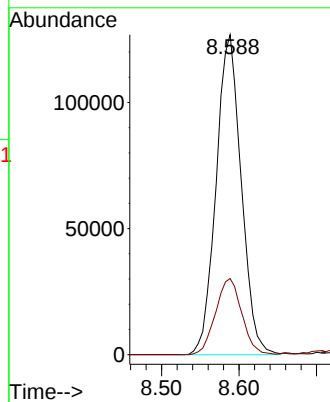
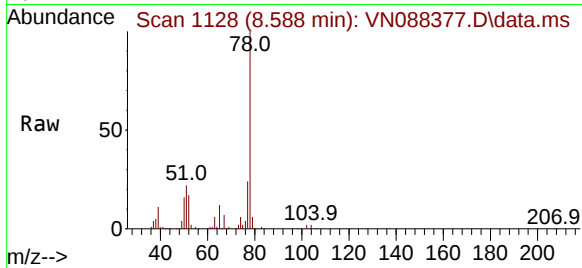
#40
Benzene
Concen: 22.226 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 78 Resp: 28559
Ion Ratio Lower Upper
78 100
77 23.8 19.0 28.4

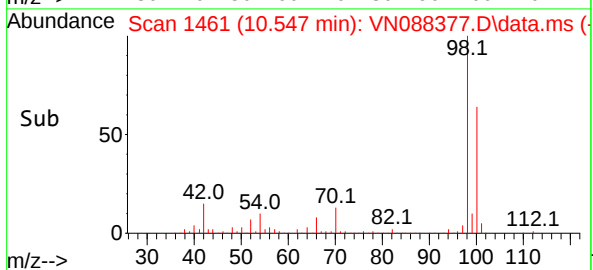
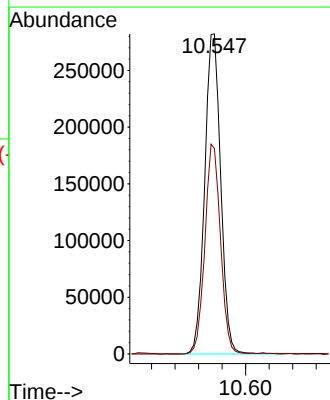
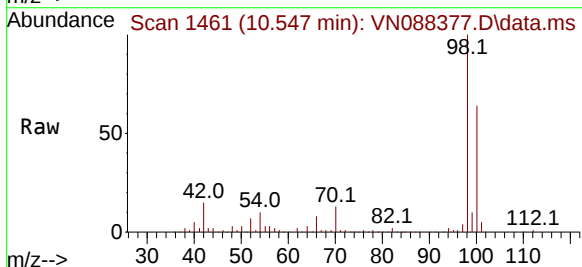
Manual Integrations
APPROVED

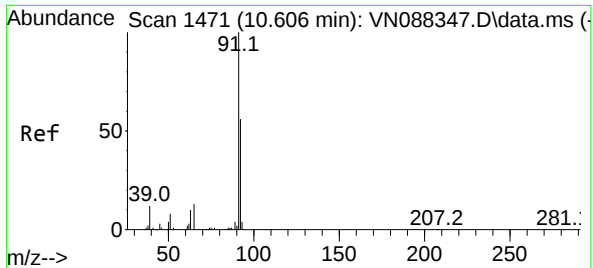
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#50
Toluene-d8
Concen: 50.620 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

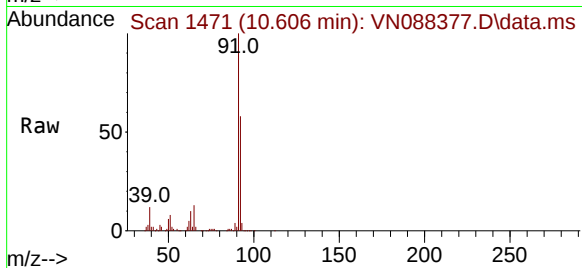
Tgt Ion: 98 Resp: 534292
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2





#52
Toluene
Concen: 34.624 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

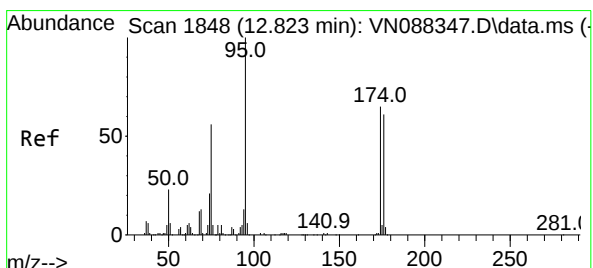
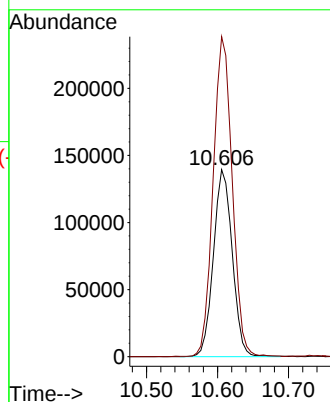
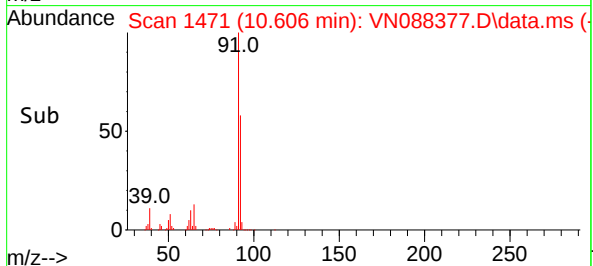
Instrument :
MSVOA_N
ClientSampleId :
MW5



Tgt Ion: 92 Resp: 256890
Ion Ratio Lower Upper
92 100
91 173.4 140.2 210.2

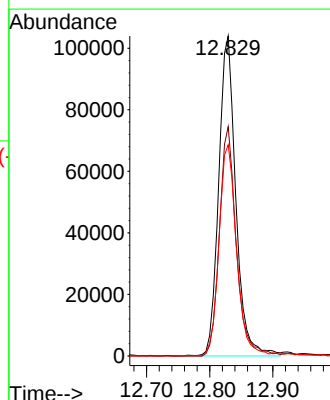
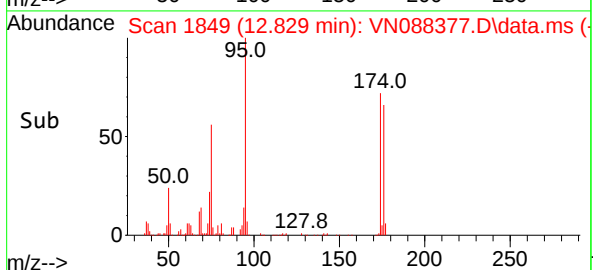
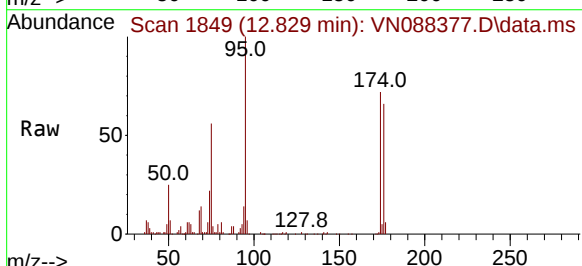
Manual Integrations
APPROVED

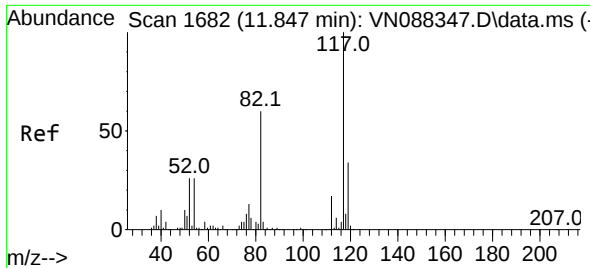
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#62
4-Bromofluorobenzene
Concen: 54.029 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

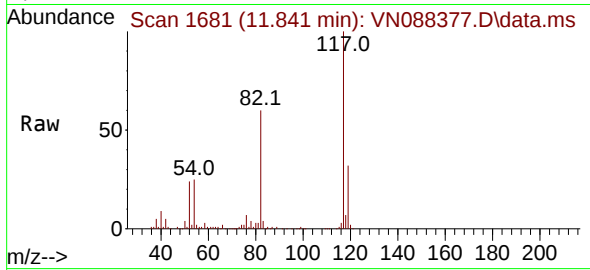
Tgt Ion: 95 Resp: 195668
Ion Ratio Lower Upper
95 100
174 70.3 0.0 139.0
176 67.2 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

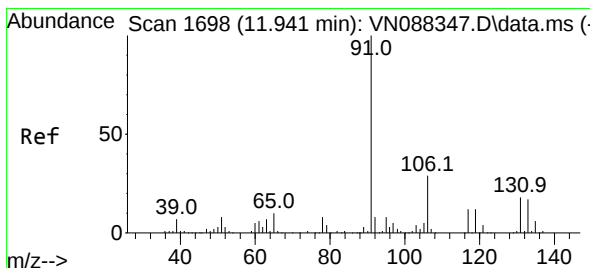
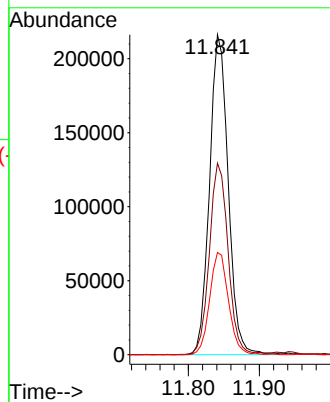
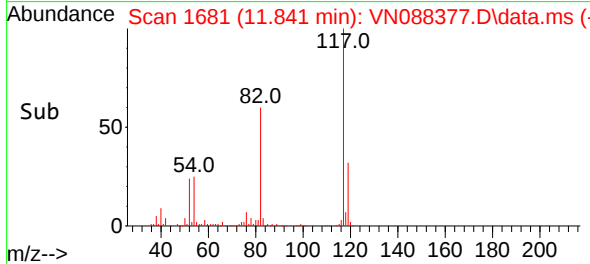
Instrument :
MSVOA_N
ClientSampleId :
MW5



Tgt Ion: 117 Resp: 394590
Ion Ratio Lower Upper
117 100
82 59.7 47.8 71.8
119 32.0 26.9 40.3

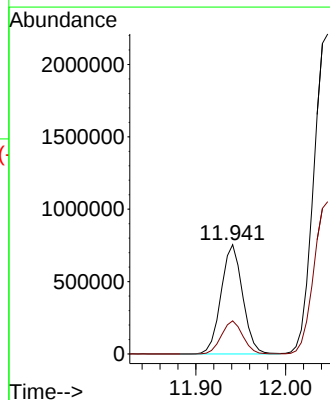
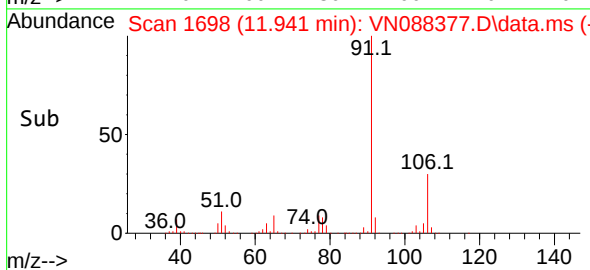
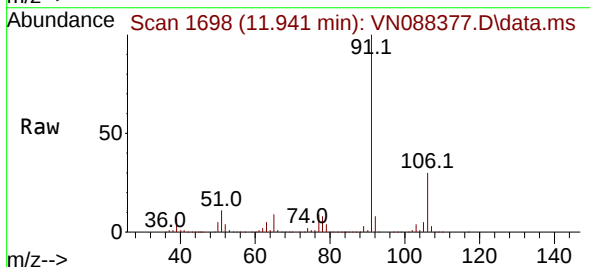
Manual Integrations
APPROVED

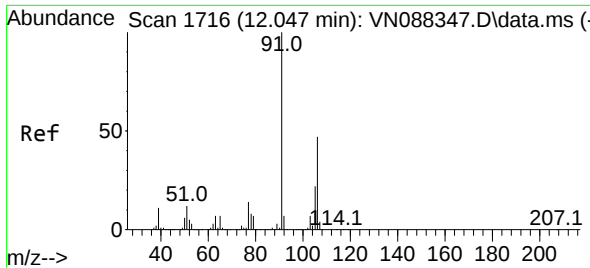
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#67
Ethyl Benzene
Concen: 81.316 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Tgt Ion: 91 Resp: 1259704
Ion Ratio Lower Upper
91 100
106 30.3 23.6 35.4





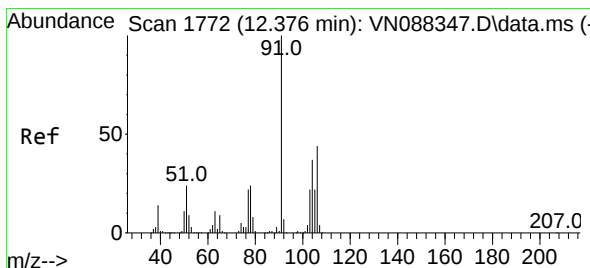
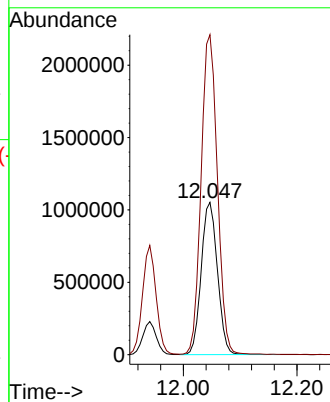
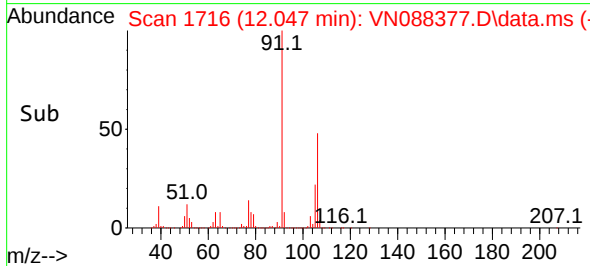
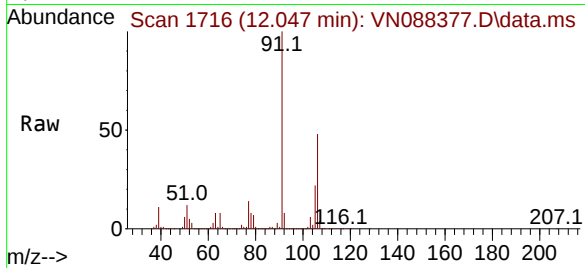
#68
m/p-Xylenes
Concen: 362.488 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:106 Resp: 2082018
Ion Ratio Lower Upper
106 100
91 210.9 167.8 251.6

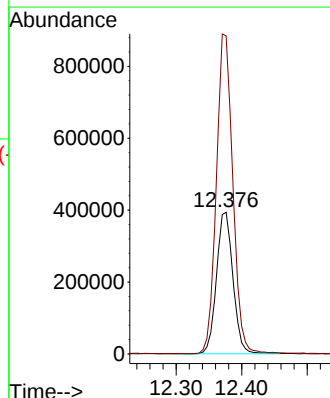
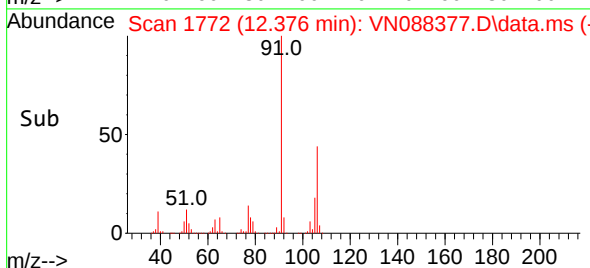
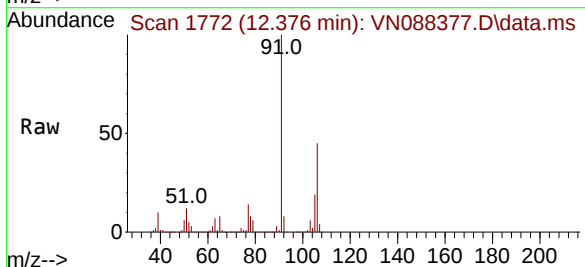
Manual Integrations
APPROVED

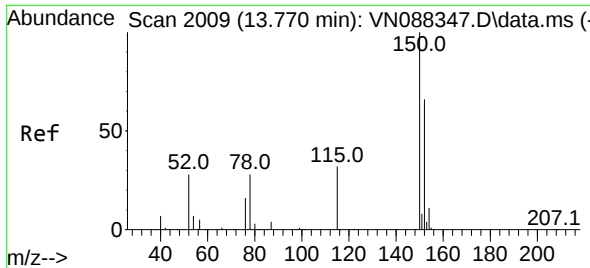
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#69
o-Xylene
Concen: 125.284 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Tgt Ion:106 Resp: 686034
Ion Ratio Lower Upper
106 100
91 226.0 112.9 338.7





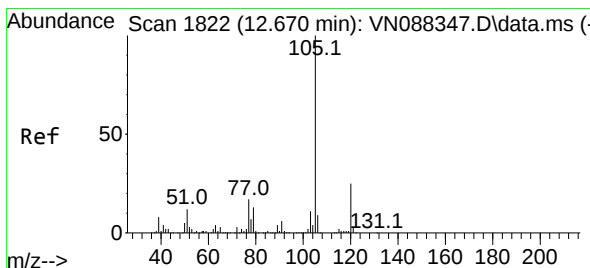
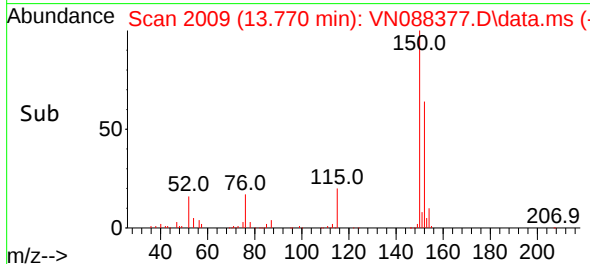
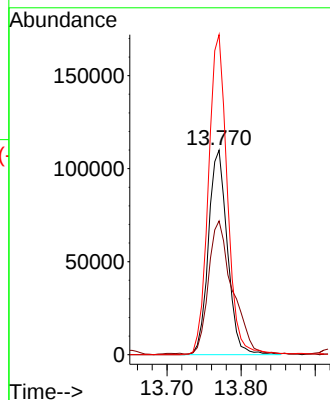
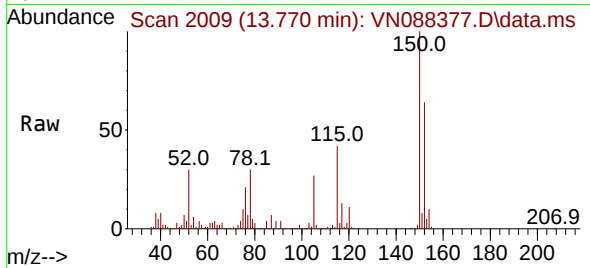
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.770 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion:152 Resp: 195429
Ion Ratio Lower Upper
152 100
115 82.2 33.0 98.9
150 156.0 0.0 349.0

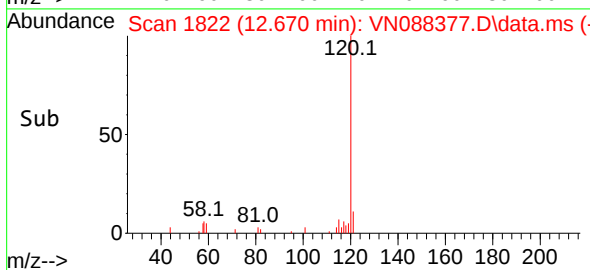
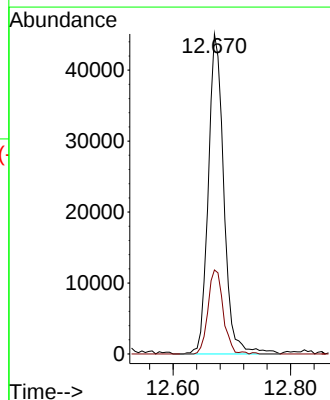
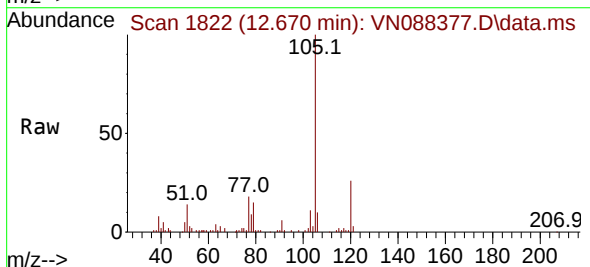
Manual Integrations
APPROVED

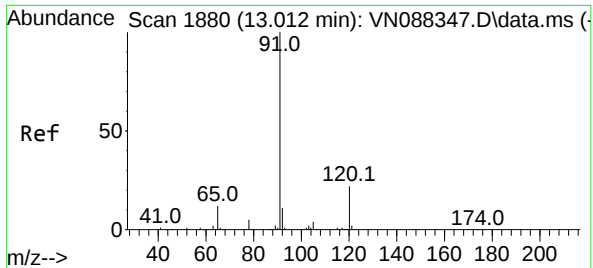
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#73
Isopropylbenzene
Concen: 5.722 ug/l
RT: 12.670 min Scan# 1822
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Tgt Ion:105 Resp: 82688
Ion Ratio Lower Upper
105 100
120 25.6 12.8 38.3





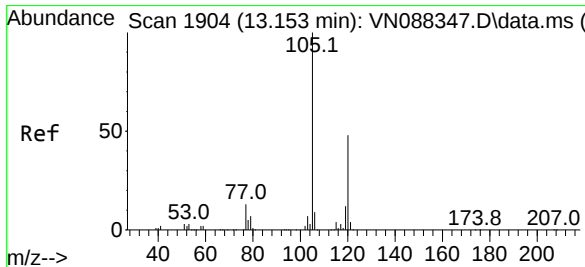
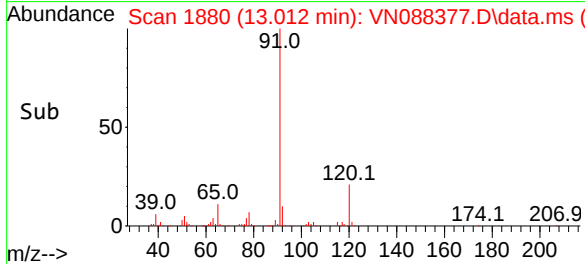
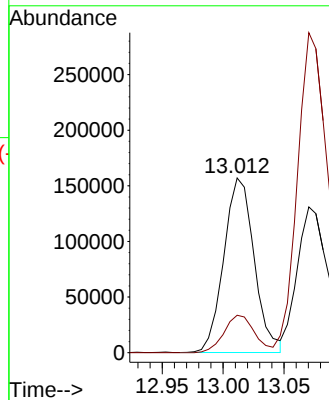
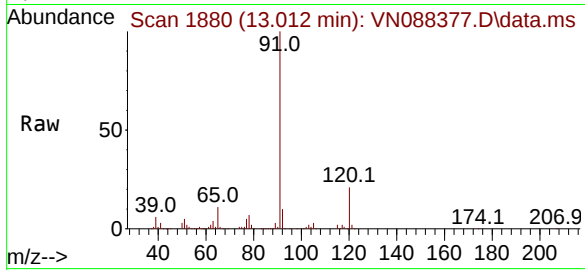
#78
n-propylbenzene
Concen: 15.436 ug/l
RT: 13.012 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Instrument :
MSVOA_N
ClientSampleId :
MW5

Tgt Ion: 91 Resp: 27287
Ion Ratio Lower Upper
91 100
120 21.7 10.9 32.6

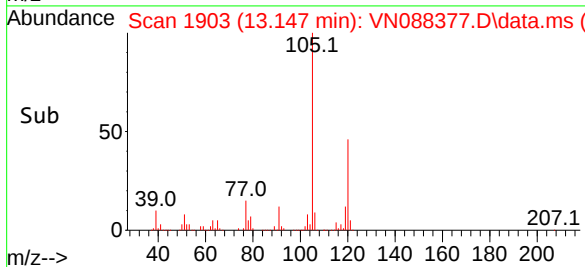
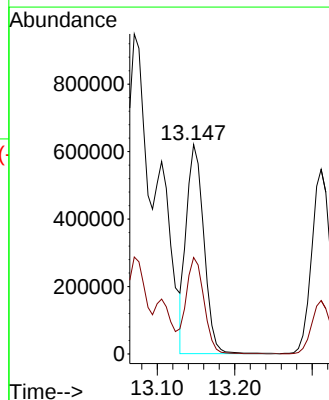
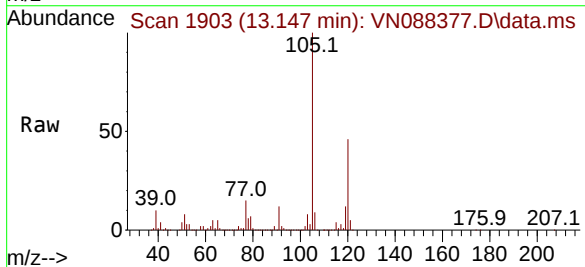
Manual Integrations
APPROVED

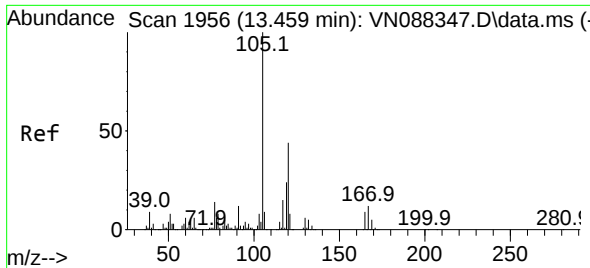
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 80.939 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

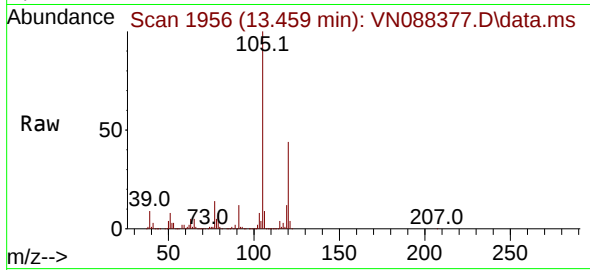
Tgt Ion:105 Resp: 969130
Ion Ratio Lower Upper
105 100
120 48.8 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 279.403 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

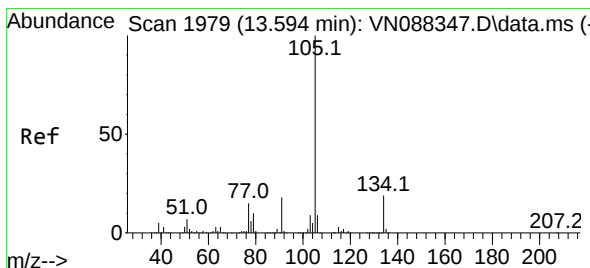
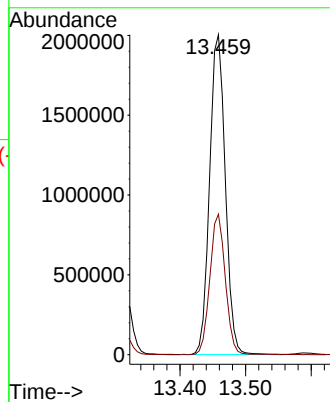
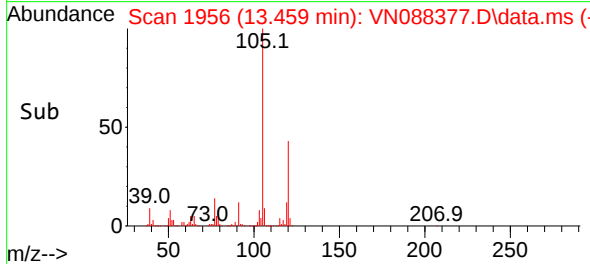
Instrument :
MSVOA_N
ClientSampleId :
MW5



Tgt Ion:105 Resp: 332525
Ion Ratio Lower Upper
105 100
120 43.2 22.1 66.1

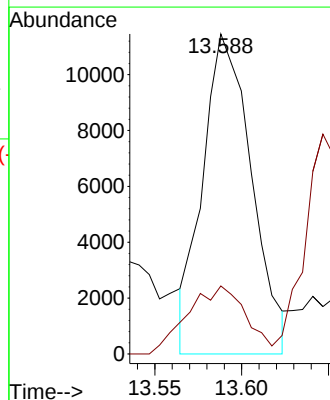
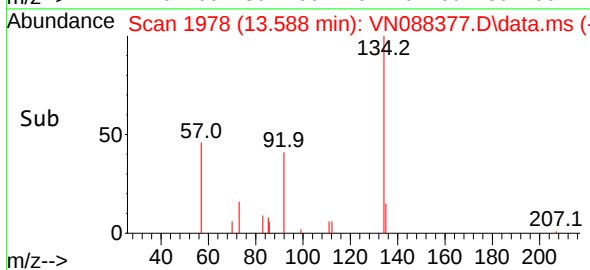
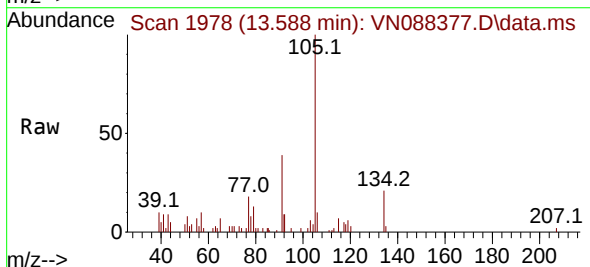
Manual Integrations
APPROVED

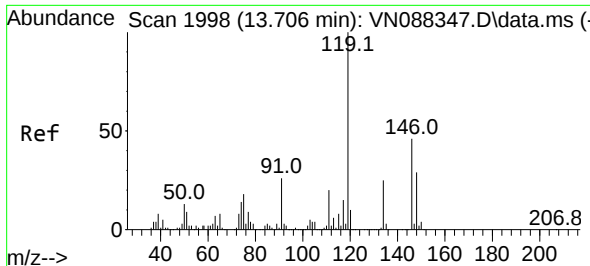
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#85
sec-Butylbenzene
Concen: 1.533 ug/l m
RT: 13.588 min Scan# 1978
Delta R.T. -0.006 min
Lab File: VN088377.D
Acq: 01 Dec 2025 13:11

Tgt Ion:105 Resp: 22420
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





#86

p-Isopropyltoluene

Concen: 1.216 ug/l

RT: 13.706 min Scan# 1998

Delta R.T. 0.000 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

Instrument :

MSVOA_N

ClientSampleId :

MW5

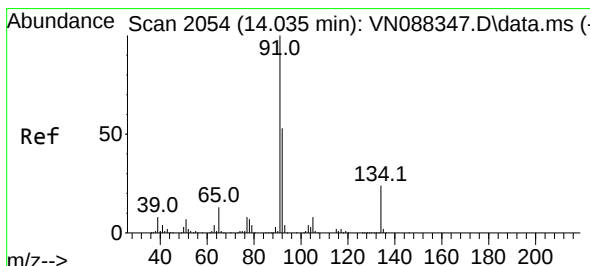
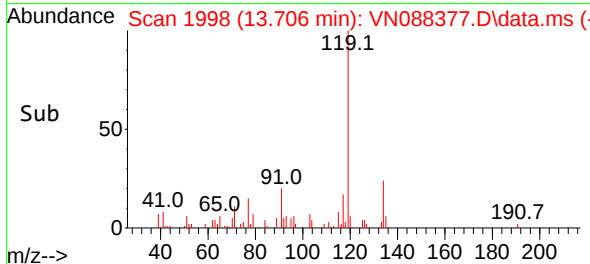
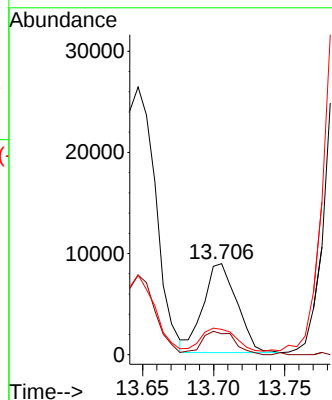
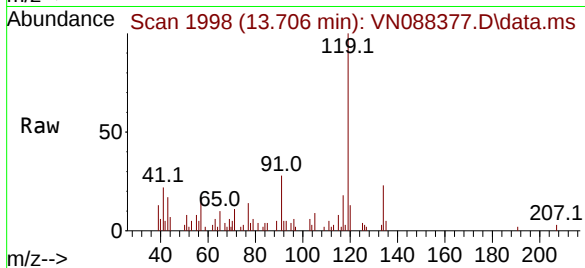
Tgt Ion:	119	Resp:	1458
Ion Ratio	Lower	Upper	
119	100		
134	25.7	12.2	36.6
91	0.0	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#89

n-Butylbenzene

Concen: 1.346 ug/l m

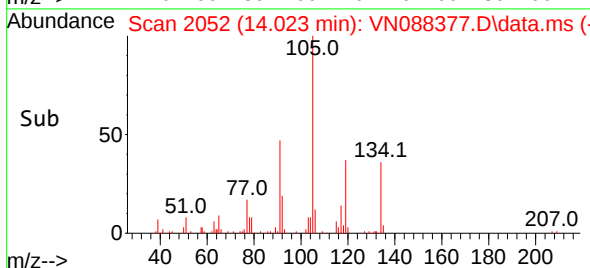
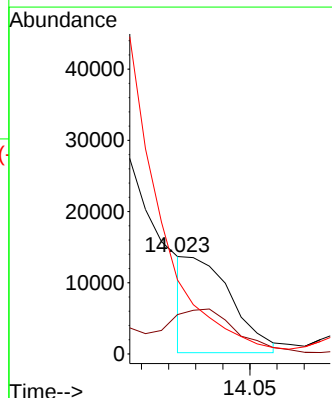
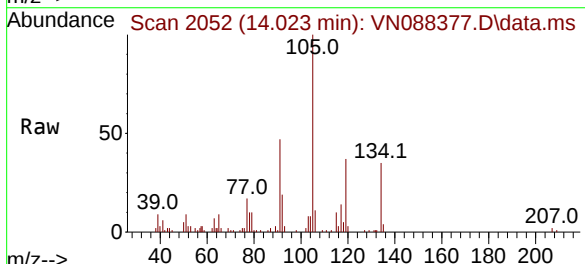
RT: 14.023 min Scan# 2052

Delta R.T. -0.012 min

Lab File: VN088377.D

Acq: 01 Dec 2025 13:11

Tgt Ion:	91	Resp:	15672
Ion Ratio	Lower	Upper	
91	100		
92	0.0	26.1	78.3#
134	0.0	11.7	35.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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: VN088377.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	57	65	78	rBV	699923	1272517	9.75%	1.219%
2	2.536	88	99	111	rBV	2491431	4521402	34.66%	4.332%
3	2.642	112	117	131	rVV2	86660	172219	1.32%	0.165%
4	3.271	212	224	250	rBV	3455343	8471723	64.94%	8.117%
5	3.565	265	274	280	rBV3	73700	173592	1.33%	0.166%
6	3.659	280	290	316	rVV3	1107676	3324904	25.49%	3.186%
7	3.865	316	325	340	rVV	408618	1068253	8.19%	1.024%
8	4.047	342	356	364	rVV2	192722	555062	4.25%	0.532%
9	4.147	364	373	393	rVB	736400	2108888	16.17%	2.021%
10	4.418	407	419	431	rBV3	59777	198609	1.52%	0.190%
11	5.147	523	543	551	rBV5	71561	282990	2.17%	0.271%
12	5.271	551	564	567	rVV4	209301	695829	5.33%	0.667%
13	5.336	568	575	609	rVB6	413209	2587517	19.84%	2.479%
14	5.800	638	654	672	rBV3	277899	982468	7.53%	0.941%
15	6.112	694	707	725	rVB4	77605	275509	2.11%	0.264%
16	6.300	725	739	753	rBV3	127910	396067	3.04%	0.379%
17	6.459	755	766	775	rBV2	72367	222541	1.71%	0.213%
18	6.571	775	785	789	rBV4	62478	182106	1.40%	0.174%
19	6.635	789	796	809	rVB	178641	554833	4.25%	0.532%
20	6.777	809	820	829	rBV3	125529	383710	2.94%	0.368%
21	6.894	829	840	848	rBV6	51926	208372	1.60%	0.200%
22	7.065	860	869	882	rVB3	182859	522770	4.01%	0.501%
23	7.312	900	911	931	rVV	712175	2285881	17.52%	2.190%
24	7.988	1017	1026	1035	rVB	164819	387037	2.97%	0.371%
25	8.147	1043	1053	1057	rBV	199369	471840	3.62%	0.452%
26	8.206	1057	1063	1075	rVV3	365395	1282460	9.83%	1.229%
27	8.306	1075	1080	1092	rVB3	91232	234884	1.80%	0.225%
28	8.424	1092	1100	1107	rBV2	93911	220356	1.69%	0.211%
29	8.577	1115	1126	1134	rBV4	349403	1169714	8.97%	1.121%
30	8.741	1141	1154	1165	rVB5	159688	732221	5.61%	0.702%
31	8.835	1165	1170	1178	rVB2	59382	137174	1.05%	0.131%
32	8.947	1178	1189	1201	rVB5	62138	192516	1.48%	0.184%
33	9.082	1202	1212	1226	rBV2	598260	1413803	10.84%	1.355%
34	9.576	1277	1296	1312	rBV6	205407	740434	5.68%	0.709%
35	9.994	1361	1367	1375	rVB	118158	250171	1.92%	0.240%
36	10.076	1375	1381	1384	rBV2	97304	173868	1.33%	0.167%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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

37	10.123	1384	1389	1395	rVB3	182233	364690	2.80%	0.349%
38	10.318	1412	1422	1434	rBV4	57555	202516	1.55%	0.194%
39	10.429	1434	1441	1445	rBV2	65305	131969	1.01%	0.126%
40	10.547	1453	1461	1466	rBV	813502	1544695	11.84%	1.480%
41	10.606	1466	1471	1484	rVV	605810	1214579	9.31%	1.164%
42	11.841	1674	1681	1690	rBV	725784	1339111	10.27%	1.283%
43	11.941	1690	1698	1707	rVV	1777335	3006222	23.04%	2.880%
44	12.047	1707	1716	1734	rVB	6570649	13045049	100.00%	12.499%
45	12.370	1761	1771	1783	rBV	2564292	4487044	34.40%	4.299%
46	12.670	1816	1822	1828	rBV	121125	219648	1.68%	0.210%
47	12.829	1841	1849	1868	rVB	533854	1055254	8.09%	1.011%
48	13.012	1873	1880	1884	rBV	328271	555918	4.26%	0.533%
49	13.070	1884	1890	1894	rVV	2531440	4489003	34.41%	4.301%
50	13.106	1894	1896	1899	rVV	1445904	1889129	14.48%	1.810%
51	13.147	1899	1903	1915	rVB	1841474	3076402	23.58%	2.948%
52	13.312	1923	1931	1940	rBV	1446189	2459096	18.85%	2.356%
53	13.459	1948	1956	1970	rBV	5855116	9693425	74.31%	9.288%
54	13.794	2002	2013	2023	rBV2	1598895	3863240	29.61%	3.702%
55	13.929	2029	2036	2037	rBV	202736	300600	2.30%	0.288%
56	13.964	2037	2042	2058	rVV3	887261	2972183	22.78%	2.848%
57	14.159	2069	2075	2080	rBV	152017	251353	1.93%	0.241%
58	14.217	2080	2085	2088	rVV2	355350	620264	4.75%	0.594%
59	14.247	2088	2090	2095	rVV	327563	456685	3.50%	0.438%
60	14.306	2095	2100	2106	rVV	592278	968601	7.43%	0.928%
61	14.370	2106	2111	2114	rVV2	103531	167044	1.28%	0.160%
62	14.417	2114	2119	2129	rVB2	381377	666922	5.11%	0.639%
63	14.547	2136	2141	2147	rBV	154502	259809	1.99%	0.249%
64	14.629	2147	2155	2158	rVV	380780	660938	5.07%	0.633%
65	14.664	2158	2161	2166	rVV	573518	917516	7.03%	0.879%
66	14.900	2196	2201	2213	rVB2	333093	697159	5.34%	0.668%
67	15.023	2213	2222	2228	rBV2	613893	1361898	10.44%	1.305%
68	15.076	2228	2231	2242	rVB3	53943	133502	1.02%	0.128%
69	15.182	2242	2249	2256	rBV3	68945	140372	1.08%	0.134%
70	15.288	2256	2267	2272	rBV4	136875	357475	2.74%	0.343%
71	15.411	2280	2288	2295	rVB3	112952	270874	2.08%	0.260%
72	15.611	2315	2322	2330	rVB	390358	760845	5.83%	0.729%
73	15.911	2367	2373	2383	rBV2	66296	135585	1.04%	0.130%
74	16.094	2396	2404	2418	rBV4	41477	135952	1.04%	0.130%
75	16.747	2507	2515	2521	rBV	291418	641966	4.92%	0.615%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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

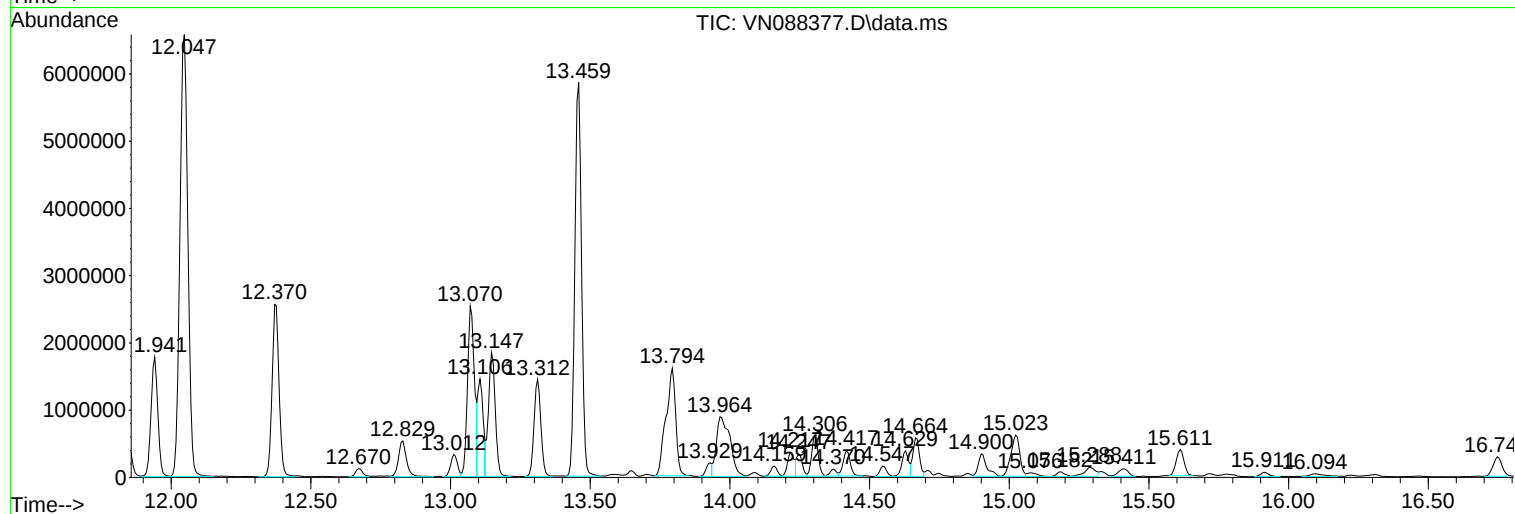
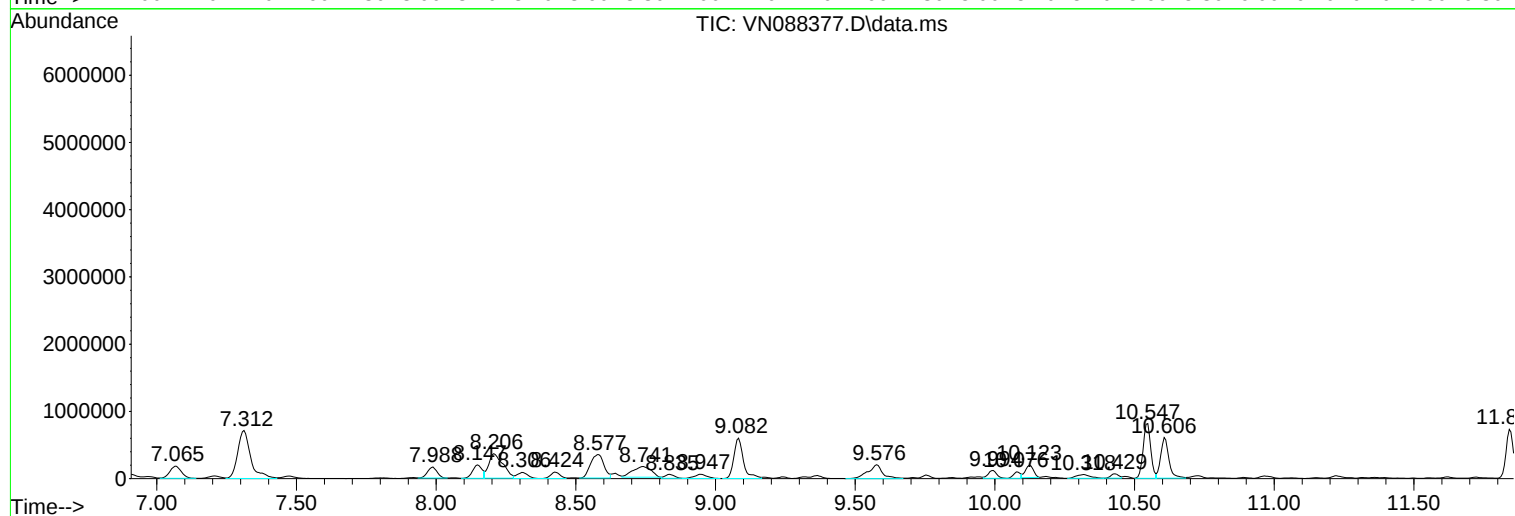
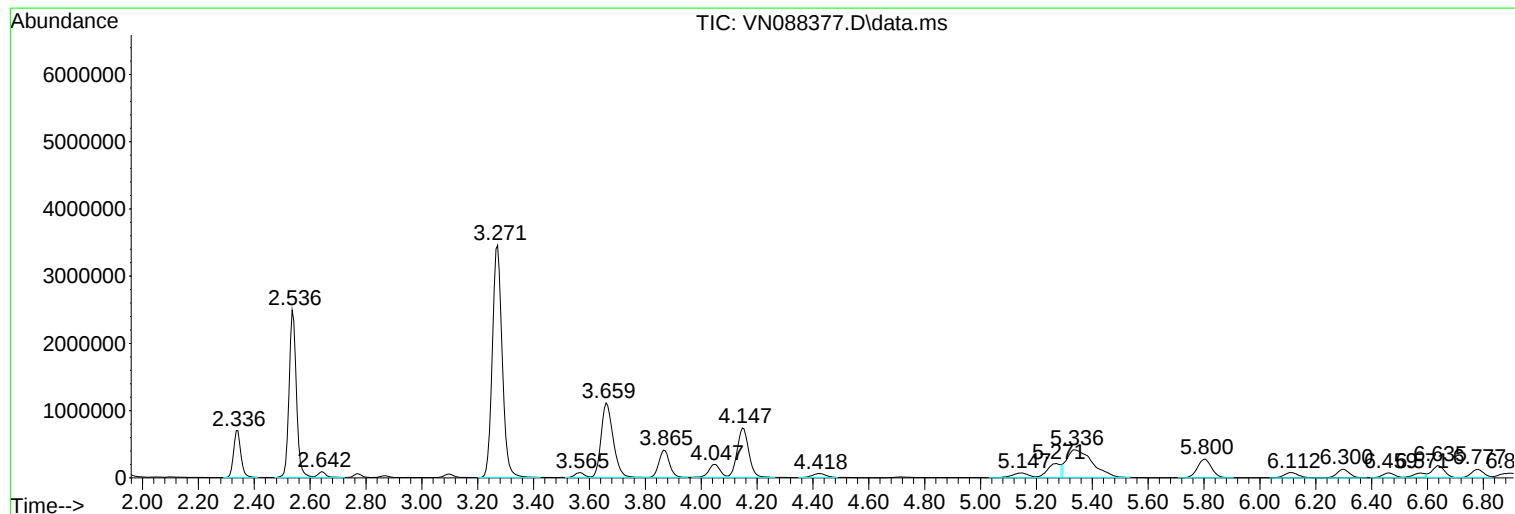
Sum of corrected areas: 104368773

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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 : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

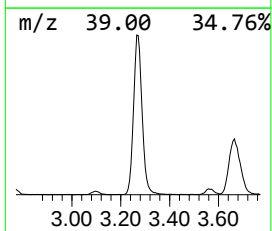
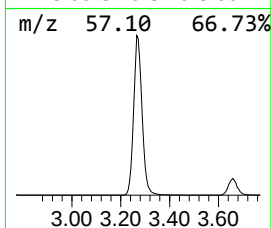
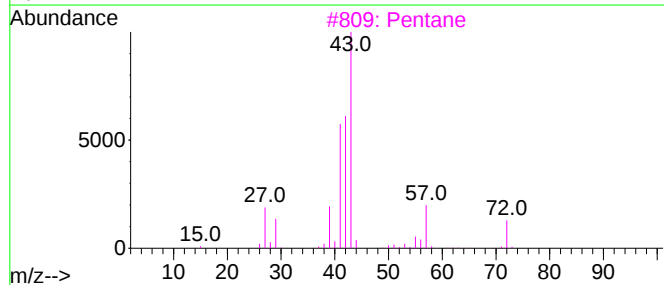
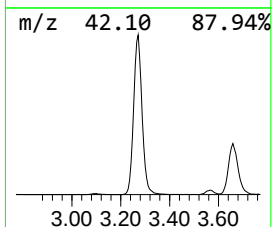
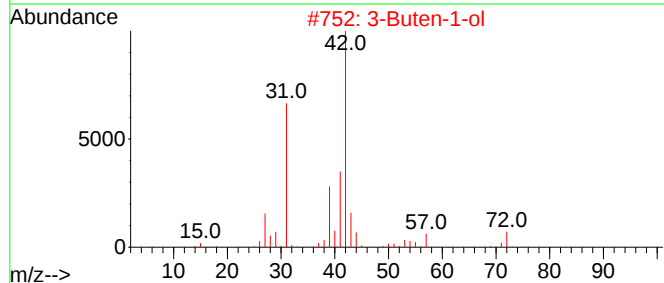
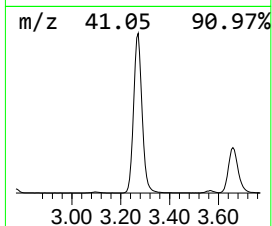
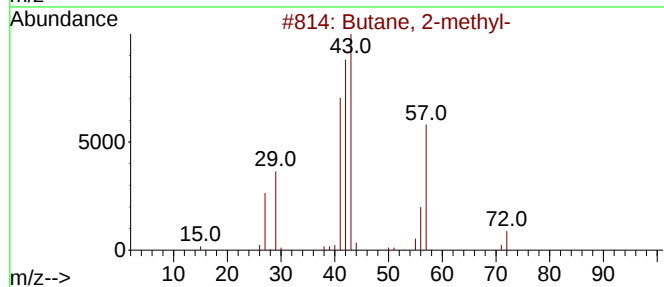
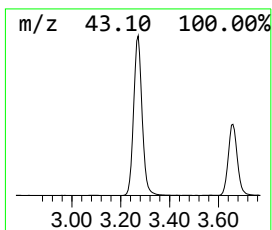
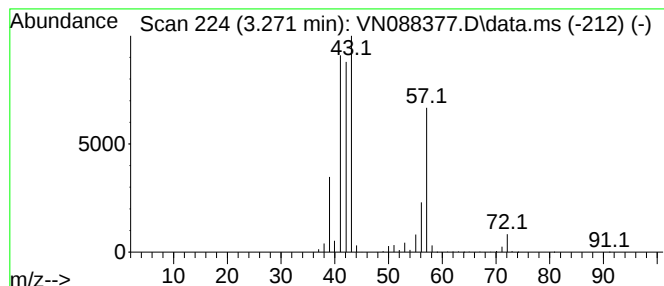
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 3 Butane, 2-methyl- Concentration Rank 1

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.271	330.29 ug/l	8471720	Pentafluorobenzene	8.206

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	47
3			Pentane	72	C5H12	000109-66-0	36
4			1-Butene	56	C4H8	000106-98-9	9
5			Azetidine	57	C3H7N	000503-29-7	9



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

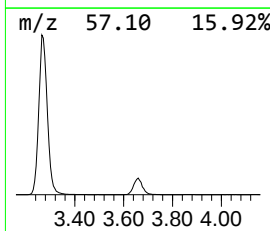
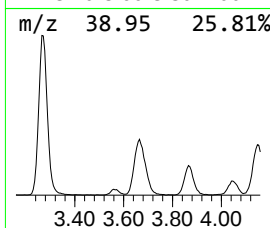
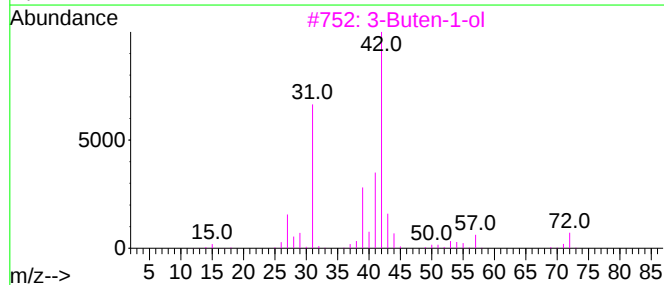
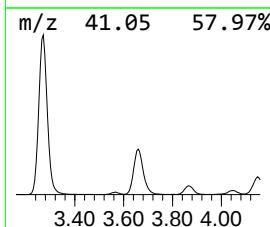
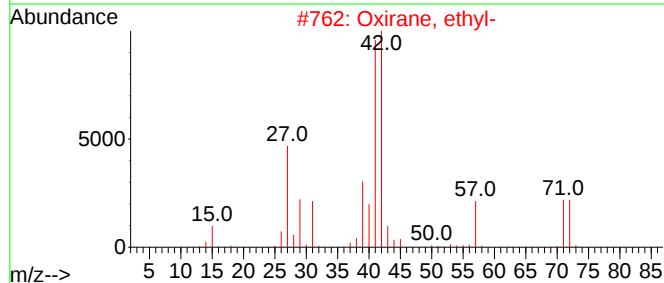
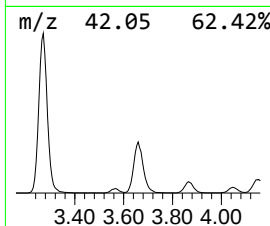
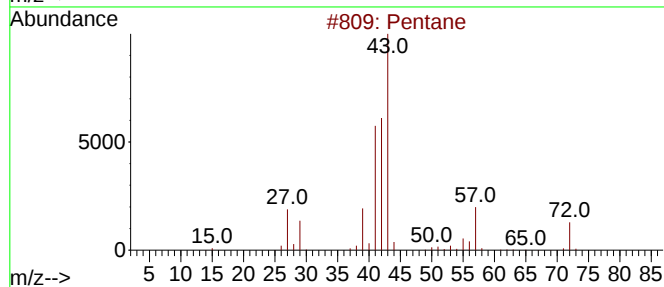
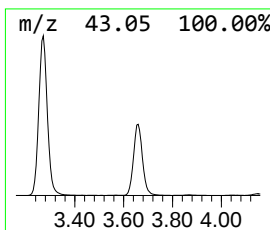
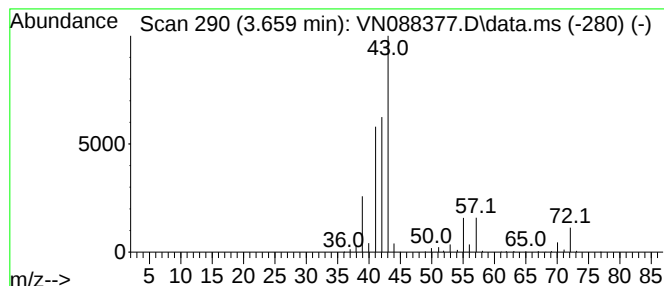
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 4 Pentane Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.659	129.63 ug/l	3324900	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane	72	C5H12	000109-66-0	87
2			Oxirane, ethyl-	72	C4H8O	000106-88-7	38
3			3-Buten-1-ol	72	C4H8O	000627-27-0	28
4			Cyclobutane, methyl-	70	C5H10	000598-61-8	25
5			Cyclopropane, ethyl-	70	C5H10	001191-96-4	17



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

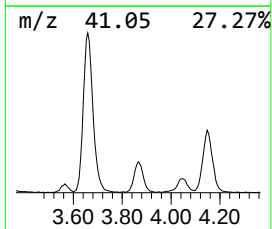
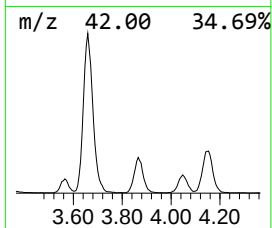
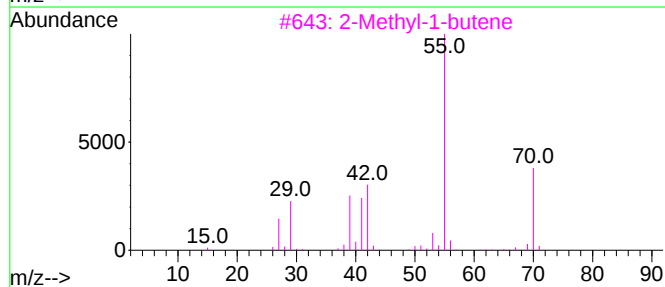
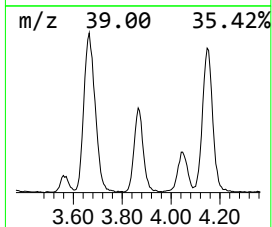
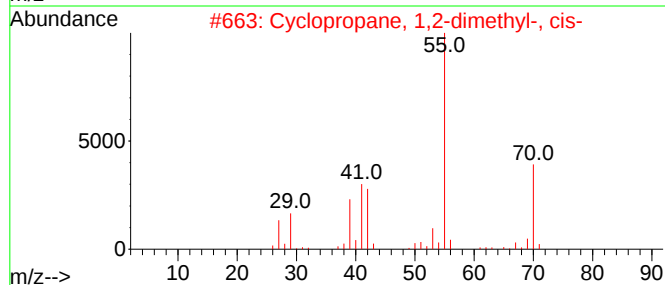
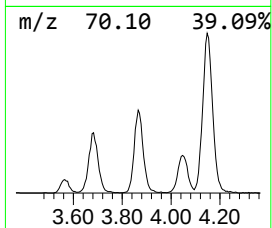
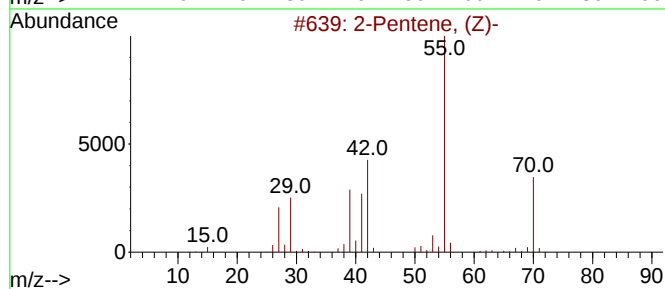
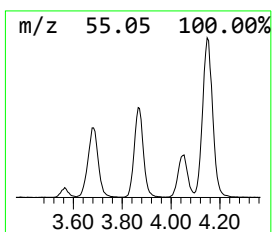
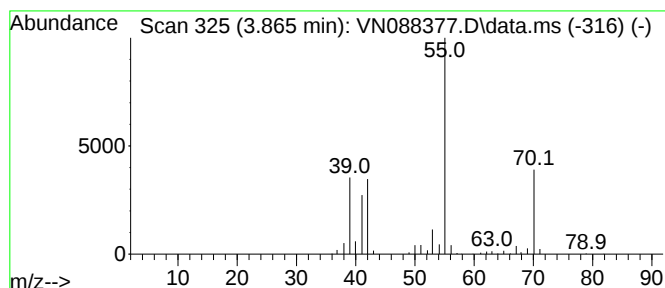
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 5 2-Pentene, (Z)- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.865	41.65 ug/l	1068250	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			2-Pentene, (Z)-	70	C5H10	000627-20-3	90
2			Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3			2-Methyl-1-butene	70	C5H10	000563-46-2	87
4			2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5			2-Pentene, (E)-	70	C5H10	000646-04-8	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

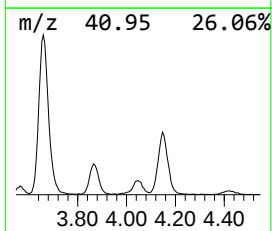
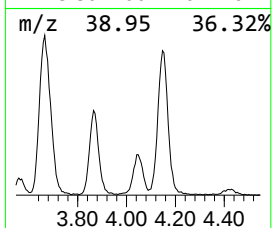
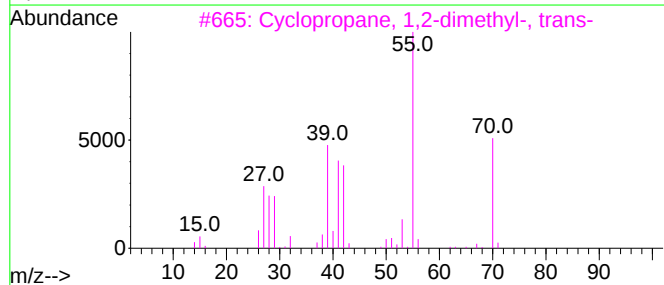
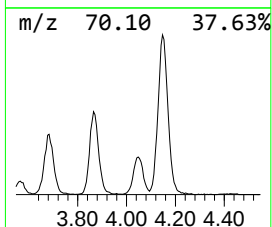
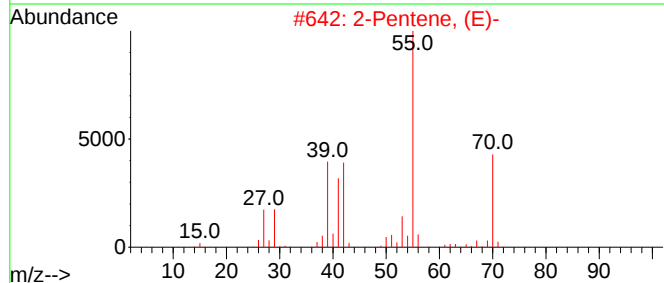
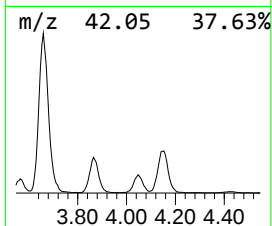
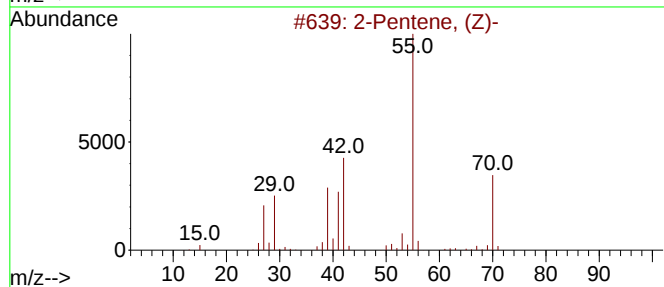
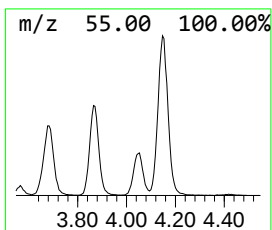
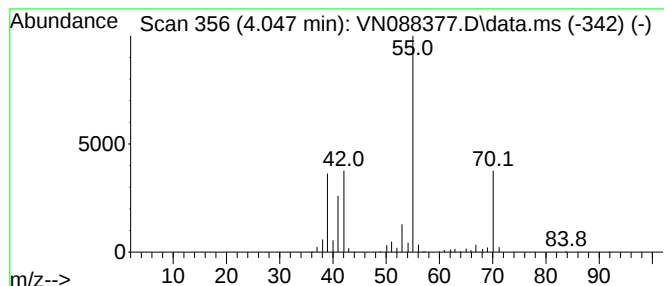
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 6 2-Pentene, (E)- Concentration Rank 15

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.047	21.64 ug/l	555062	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1	2-Pentene, (Z)-			70	C5H10	000627-20-3	91
2	2-Pentene, (E)-			70	C5H10	000646-04-8	90
3	Cyclopropane, 1,2-dimethyl-, trans-			70	C5H10	002402-06-4	87
4	Cyclopropane, 1,1-dimethyl-			70	C5H10	001630-94-0	86
5	2-Methyl-1-butene			70	C5H10	000563-46-2	86



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

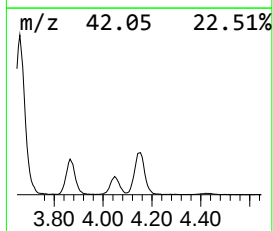
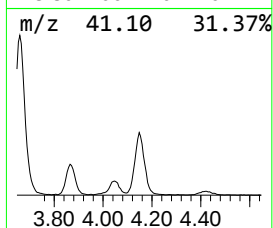
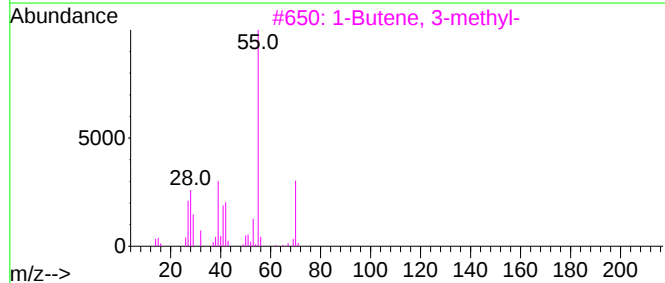
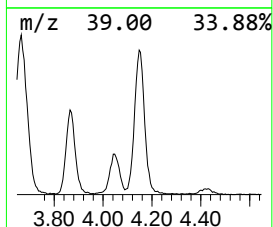
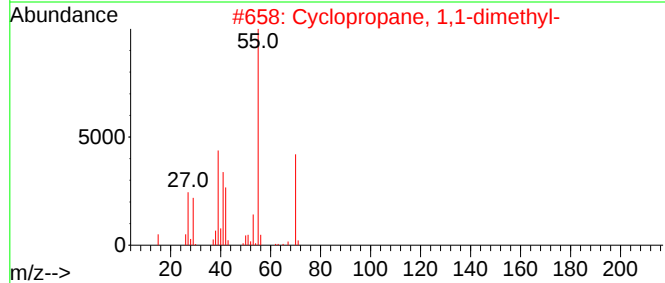
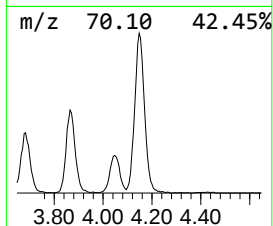
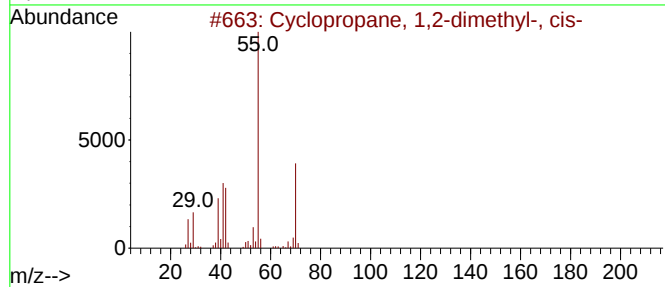
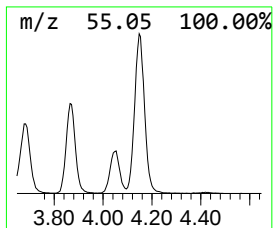
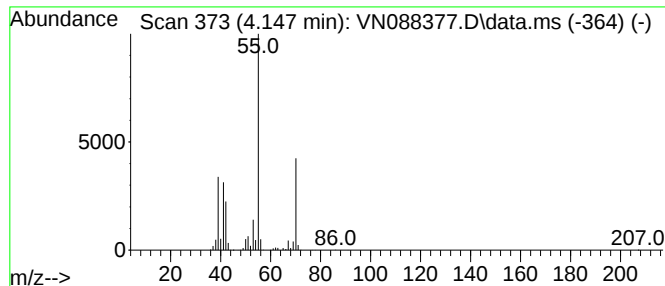
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 7 Cyclopropane, 1,2-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.147	82.22 ug/l	2108890	Pentafluorobenzene	8.206

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2		Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
3		1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
4		2-Pentene, (E)-	70	C5H10	000646-04-8	87
5		Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

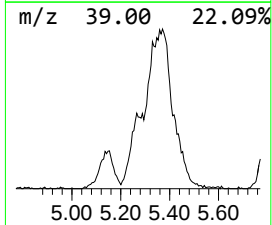
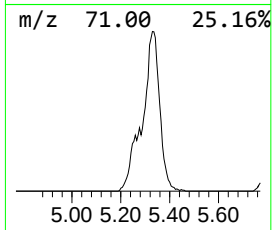
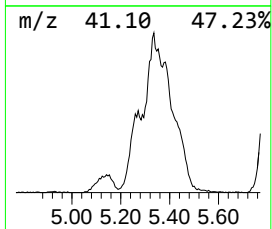
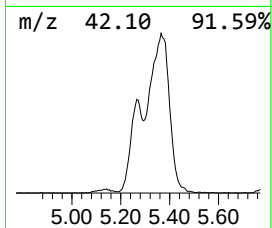
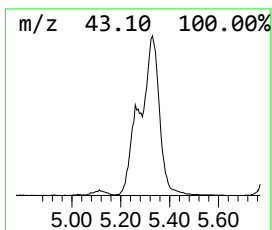
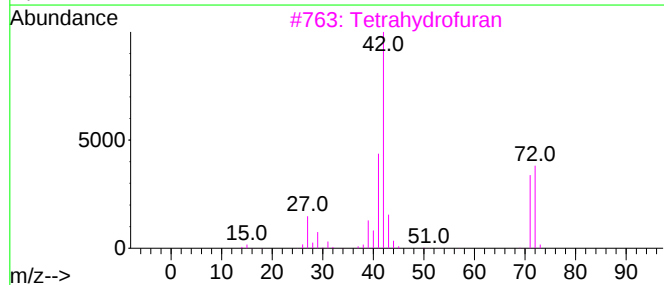
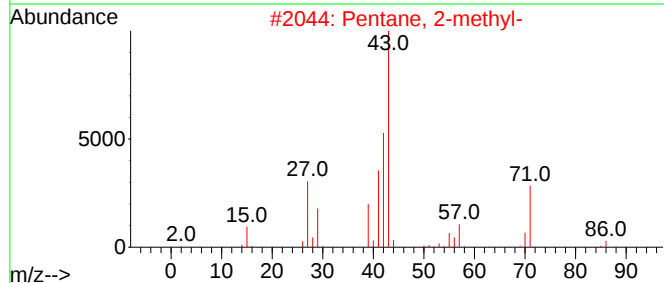
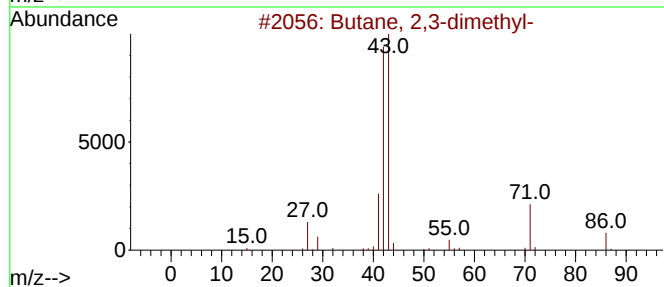
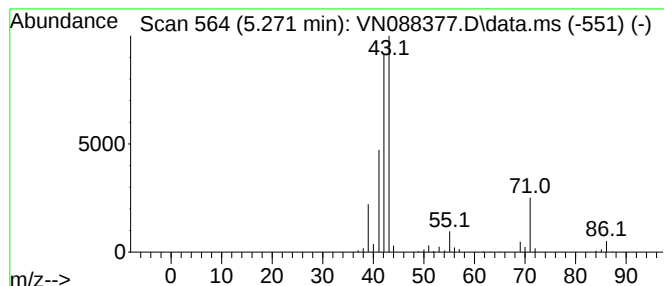
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 8 Butane, 2,3-dimethyl- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.271	27.13 ug/l	695829	Pentafluorobenzene	8.206

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	87
2		Pentane, 2-methyl-	86	C6H14	000107-83-5	47
3		Tetrahydrofuran	72	C4H8O	000109-99-9	38
4		Cyclobutane, methyl-	70	C5H10	000598-61-8	33
5		Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	14



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

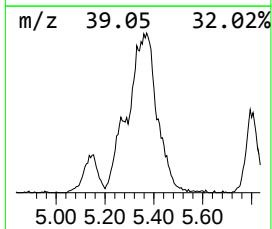
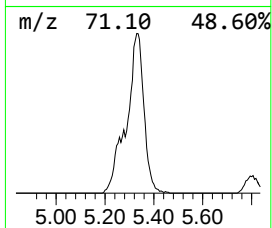
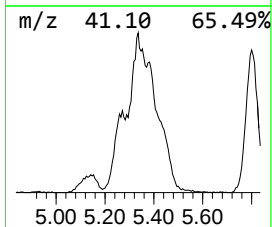
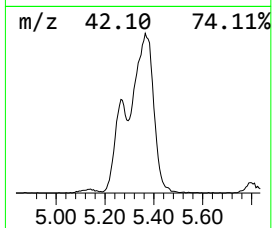
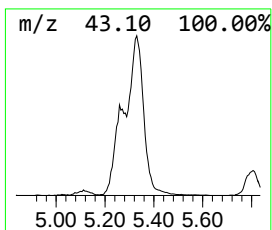
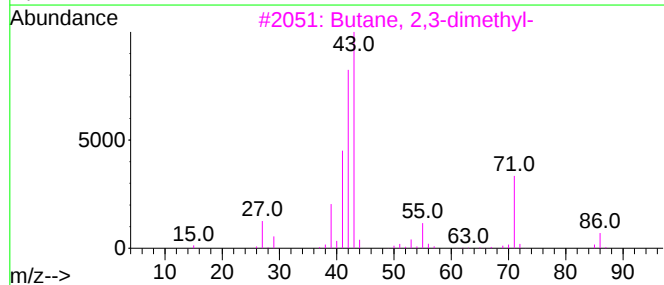
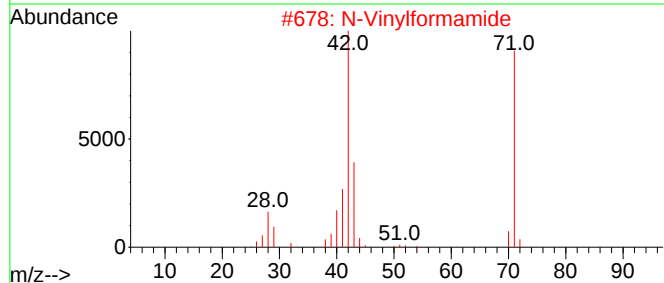
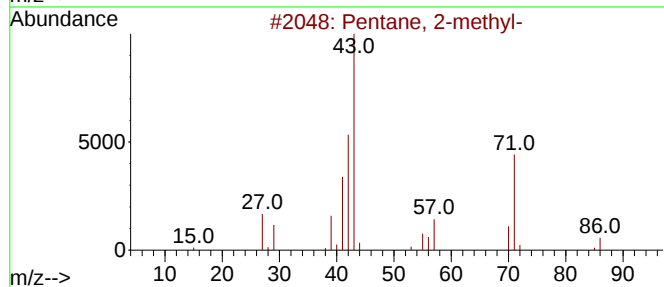
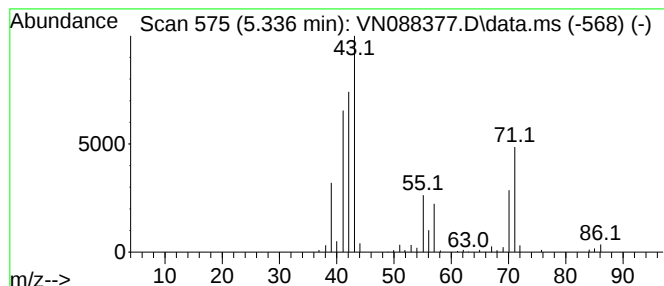
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 9 Pentane, 2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.336	100.88 ug/l	2587520	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2-methyl-	86	C6H14	000107-83-5	86
2			N-Vinylformamide	71	C3H5NO	013162-05-5	53
3			Butane, 2,3-dimethyl-	86	C6H14	000079-29-8	50
4			1-Pentene	70	C5H10	000109-67-1	43
5			Pentane	72	C5H12	000109-66-0	43



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

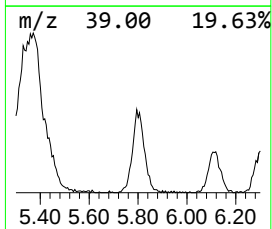
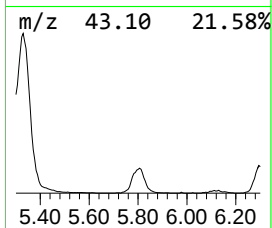
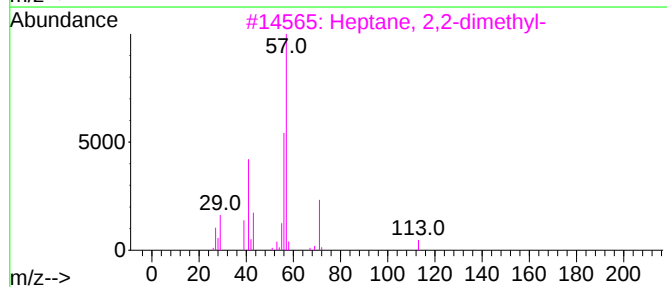
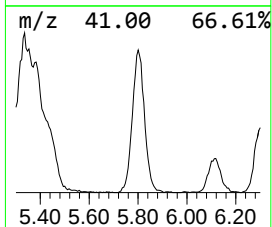
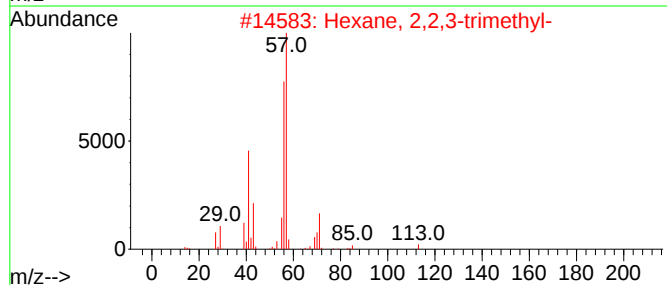
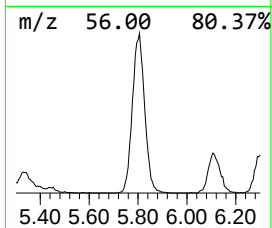
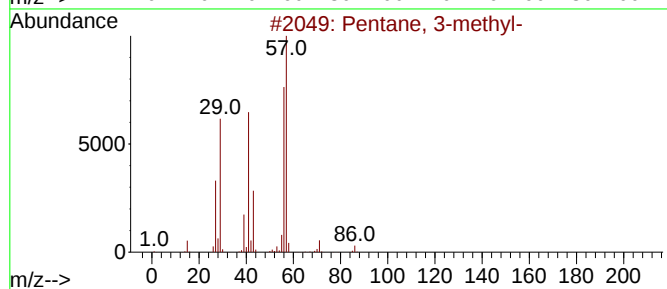
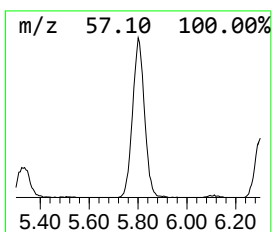
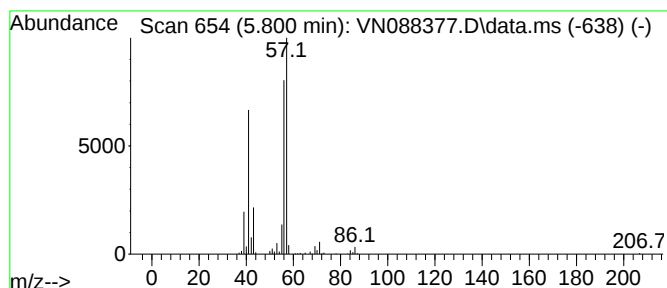
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 10 Pentane, 3-methyl- Concentration Rank 11

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.800	38.30 ug/l	982468	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	90
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	78
3			Heptane, 2,2-dimethyl-	128	C9H20	001071-26-7	78
4			Octane, 2,2-dimethyl-	142	C10H22	015869-87-1	64
5			Pentane, 2,2,3-trimethyl-	114	C8H18	000564-02-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

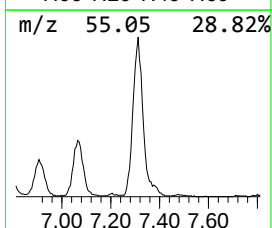
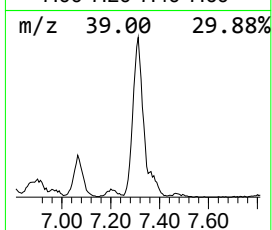
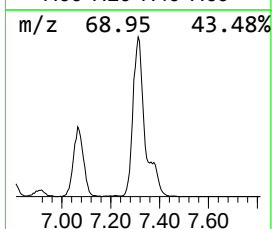
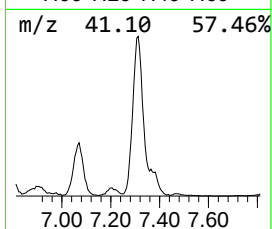
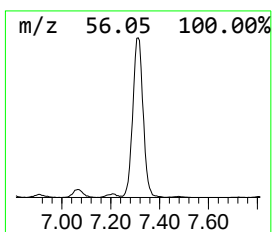
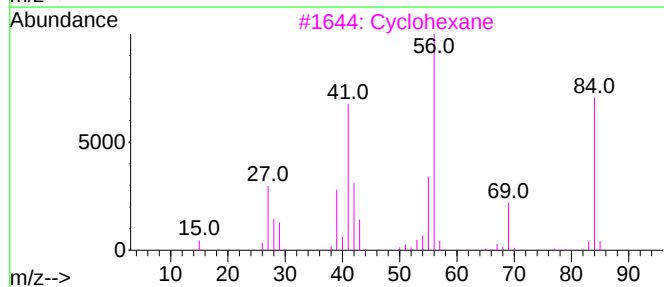
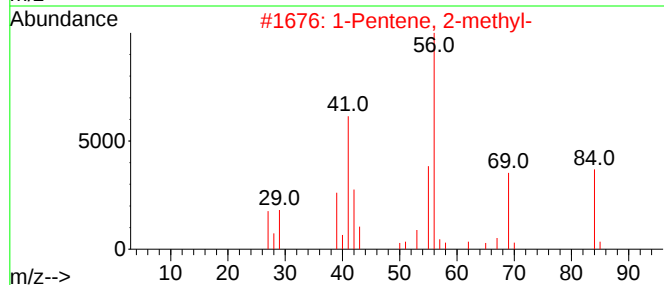
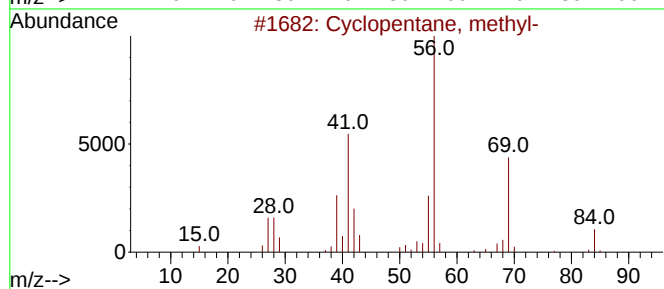
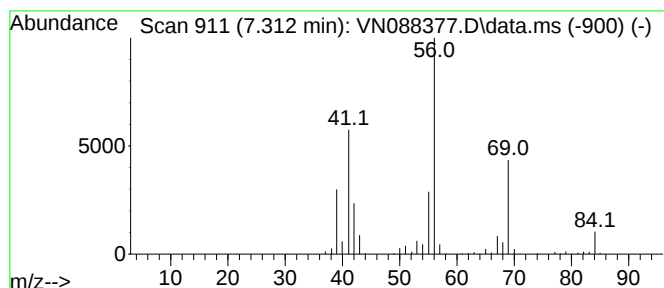
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 11 Cyclopentane, methyl- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	89.12 ug/l	2285880	Pentafluorobenzene	8.206

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	80
3		Cyclohexane	84	C6H12	000110-82-7	78
4		Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
5		1H-Tetrazole, 5-methyl-	84	C2H4N4	004076-36-2	72



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

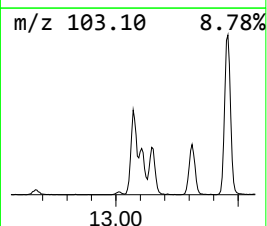
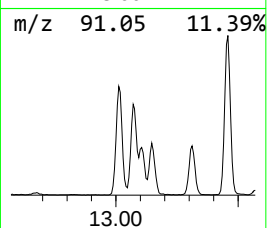
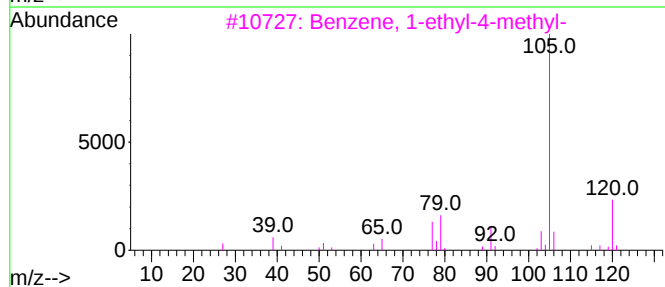
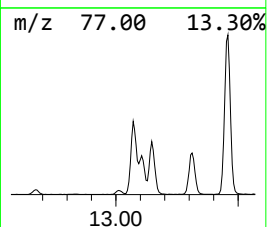
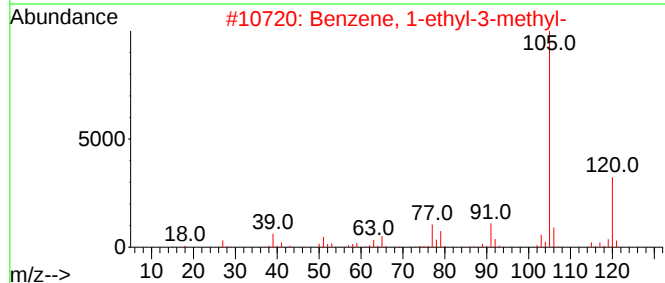
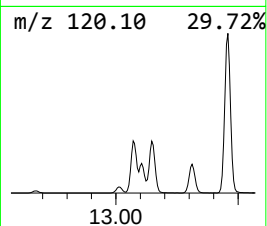
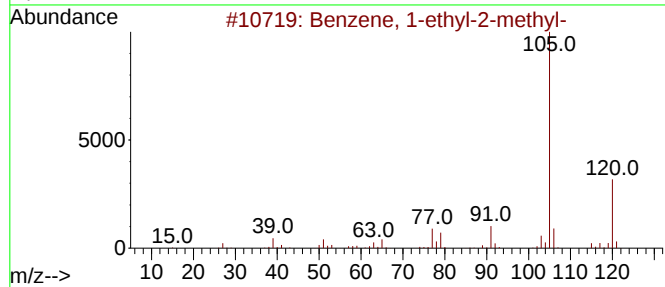
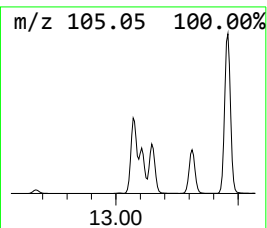
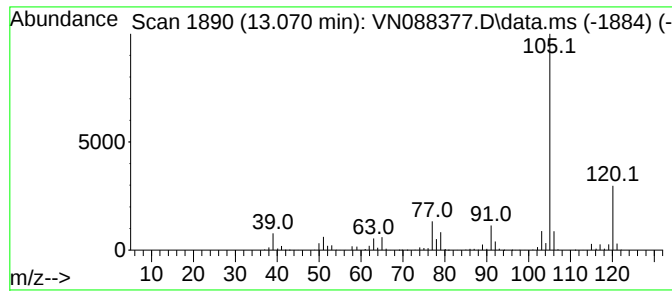
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 7

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.070	58.10 ug/l	4489000	1,4-Dichlorobenzene-d4	13.770

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	94
4			Mesitylene	120	C9H12	000108-67-8	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

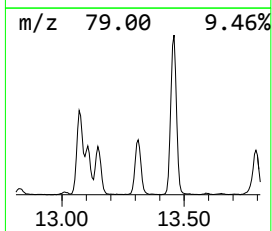
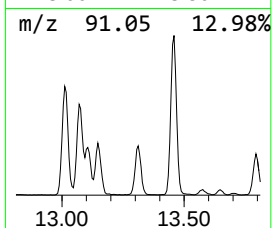
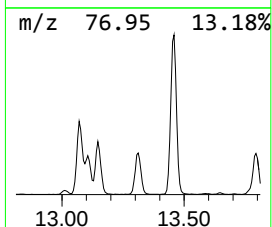
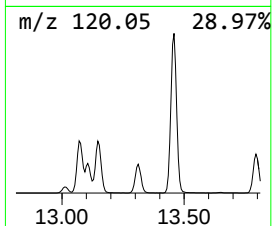
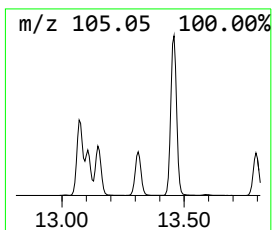
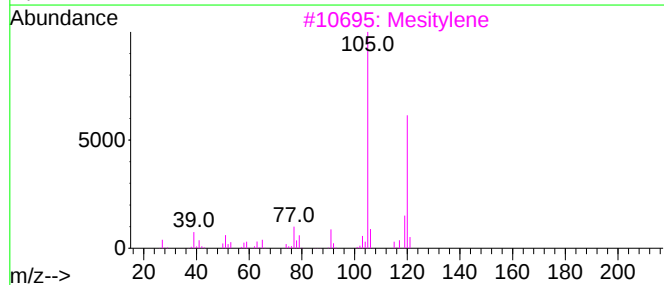
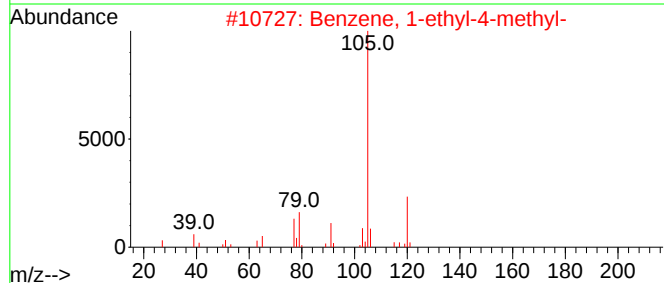
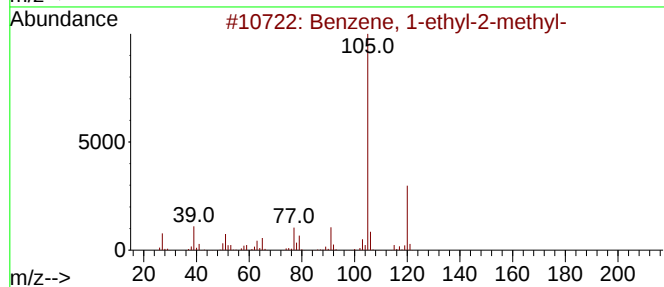
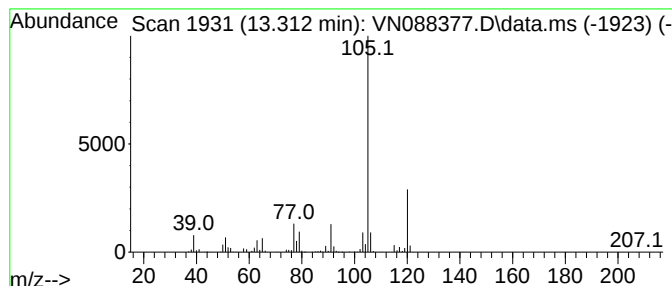
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 1-ethyl-4-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	31.83 ug/l	2459100	1,4-Dichlorobenzene-d4	13.770

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	93
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

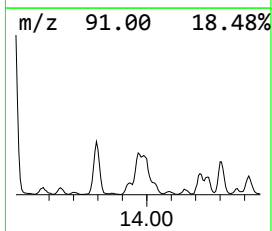
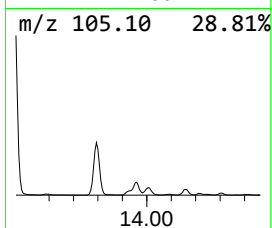
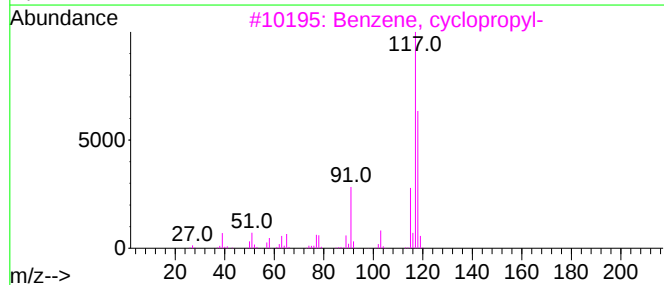
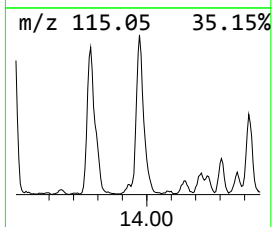
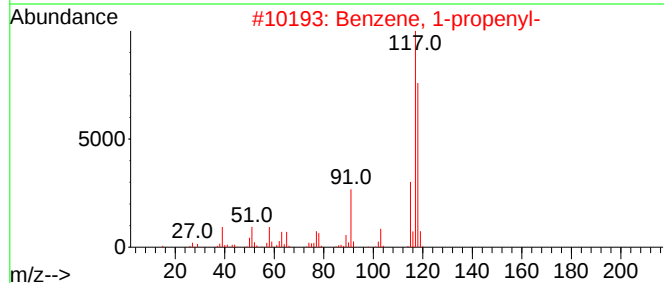
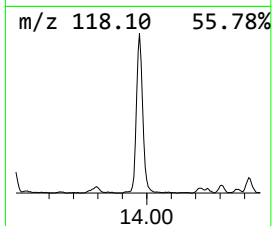
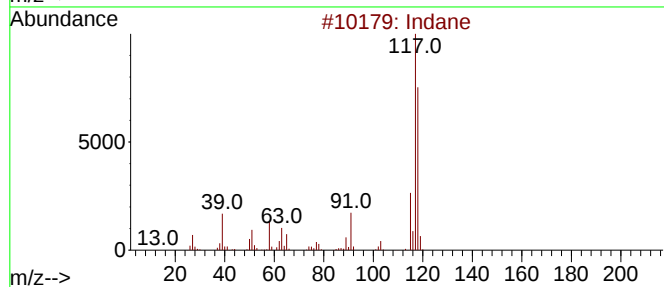
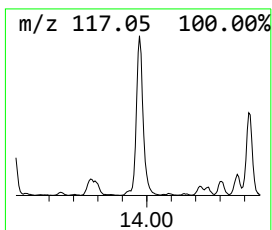
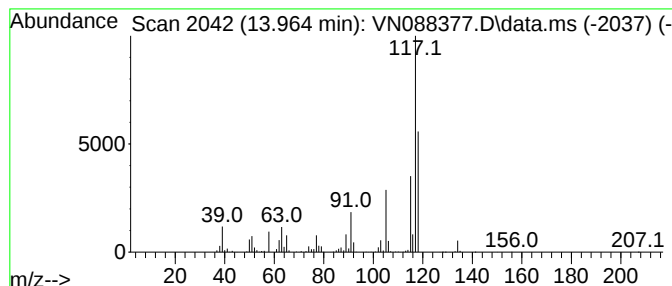
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 15 Indane Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.964	38.47 ug/l	2972180	1,4-Dichlorobenzene-d4	13.770

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Indane	118	C9H10	000496-11-7	92
2			Benzene, 1-propenyl-	118	C9H10	000637-50-3	64
3			Benzene, cyclopropyl-	118	C9H10	000873-49-4	62
4			Benzene, 2-propenyl-	118	C9H10	000300-57-2	62
5			Tetracyclo[3.3.1.0(2,8).0(4,6)]-...	118	C9H10	1000191-13-7	58



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088377.D
Acq On : 01 Dec 2025 13:11
Operator : JC\MD
Sample : Q3716-01 4X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW5

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	330.3	ug/l	8471720	1	8.206	1282460	50.0
Pentane	3.659	129.6	ug/l	3324900	1	8.206	1282460	50.0
2-Pentene, (Z)-	3.865	41.6	ug/l	1068250	1	8.206	1282460	50.0
2-Pentene, (E)-	4.047	21.6	ug/l	555062	1	8.206	1282460	50.0
Cyclopropane, 1...	4.147	82.2	ug/l	2108890	1	8.206	1282460	50.0
Butane, 2,3-dim...	5.271	27.1	ug/l	695829	1	8.206	1282460	50.0
Pentane, 2-methyl-	5.336	100.9	ug/l	2587520	1	8.206	1282460	50.0
Pentane, 3-methyl-	5.800	38.3	ug/l	982468	1	8.206	1282460	50.0
Cyclopentane, m...	7.312	89.1	ug/l	2285880	1	8.206	1282460	50.0
Benzene, 1-ethy...	13.070	58.1	ug/l	4489000	4	13.770	3863240	50.0
Benzene, 1-ethy...	13.312	31.8	ug/l	2459100	4	13.770	3863240	50.0
Indane	13.964	38.5	ug/l	2972180	4	13.770	3863240	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088404.D
 Acq On : 02 Dec 2025 12:55
 Operator : JC\MD
 Sample : Q3716-01DL 20X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW5DL

Manual Integrations APPROVED

Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:27:54 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	207935	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	480326	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	472979	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	241090	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	245002	62.547	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 125.100%#	
35) Dibromofluoromethane	8.147	113	174812	52.518	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.040%	
50) Toluene-d8	10.541	98	614700	49.632	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 99.260%	
62) 4-Bromofluorobenzene	12.829	95	239873	56.447	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 112.900%	

Target Compounds

					Qvalue	
31) Cyclohexane	8.236	56	22256m	4.320	ug/l	
39) Methylcyclohexane	9.577	83	12349	2.247	ug/l	98
40) Benzene	8.588	78	52384	3.474	ug/l	97
52) Toluene	10.606	92	46202	5.307	ug/l	100
67) Ethyl Benzene	11.941	91	211963	11.415	ug/l	99
68) m/p-Xylenes	12.047	106	366452	53.228	ug/l	100
69) o-Xylene	12.376	106	118177	18.005	ug/l	98
73) Isopropylbenzene	12.676	105	14911	0.836	ug/l	96
78) n-propylbenzene	13.018	91	45499	2.086	ug/l	95
80) 1,3,5-Trimethylbenzene	13.147	105	171991	11.644	ug/l	95
84) 1,2,4-Trimethylbenzene	13.459	105	580928	39.567	ug/l	99
85) sec-Butylbenzene	13.594	105	6083m	0.337	ug/l	
86) p-Isopropyltoluene	13.700	119	3843	0.260	ug/l #	66
89) n-Butylbenzene	14.035	91	4382m	0.305	ug/l	

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

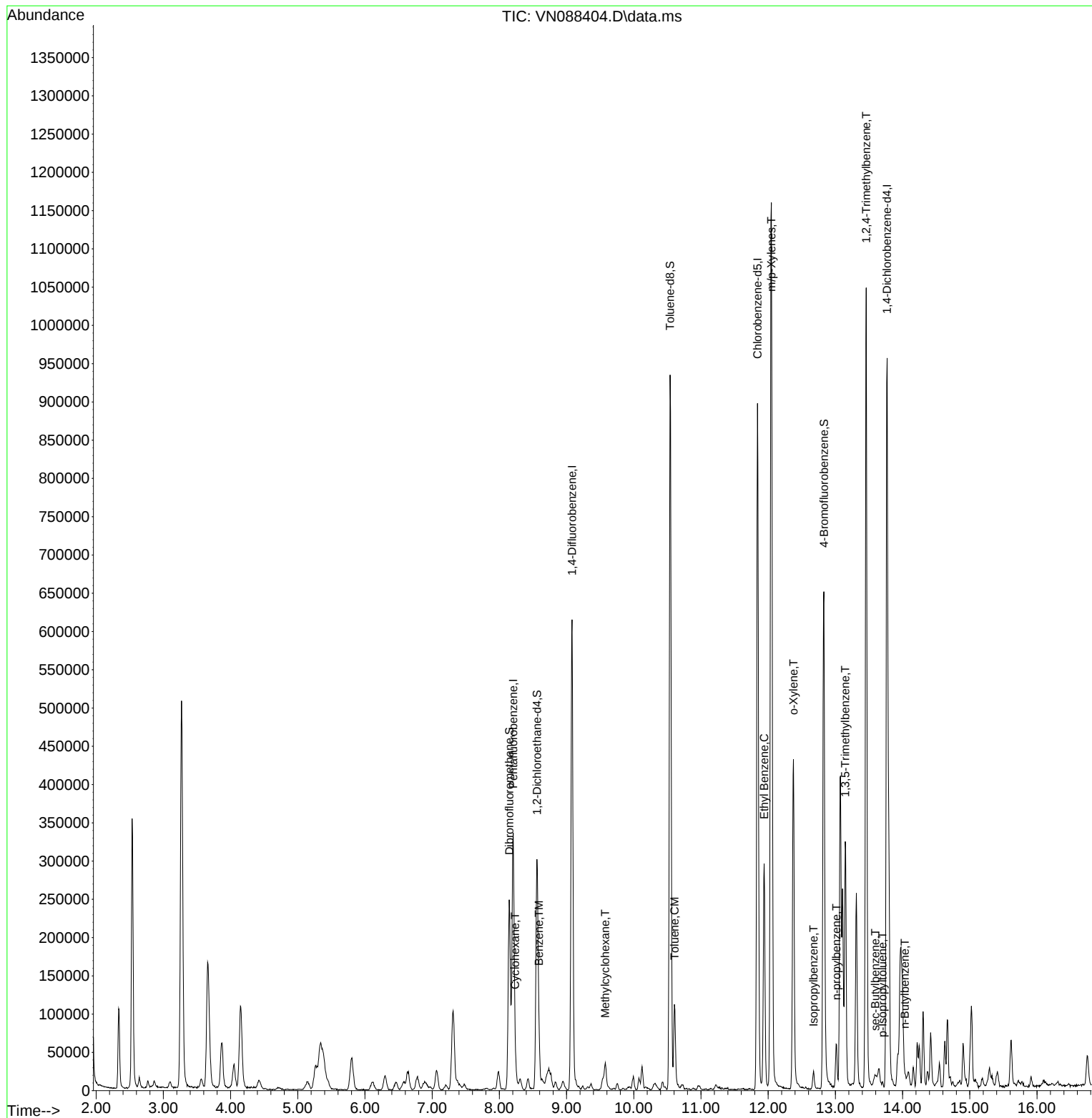
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088404.D
Acq On : 02 Dec 2025 12:55
Operator : JC\MD
Sample : Q3716-01DL 20X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

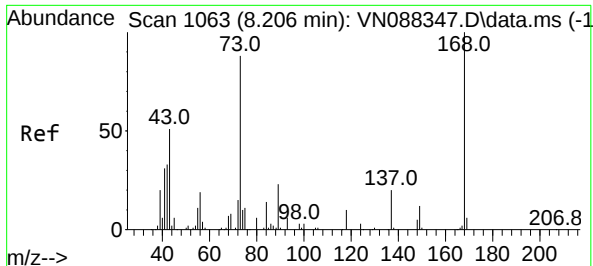
Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/03/2025
Supervised By : Mahesh Dadoda 12/03/2025

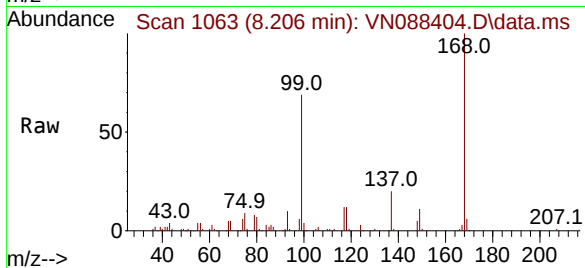
Quant Time: Dec 03 01:27:54 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

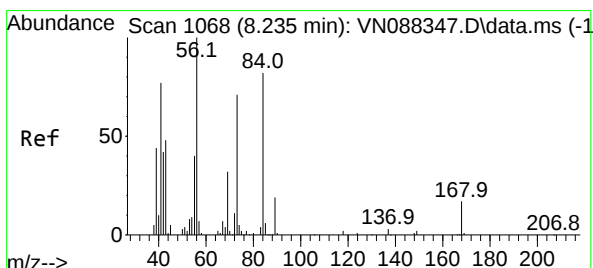
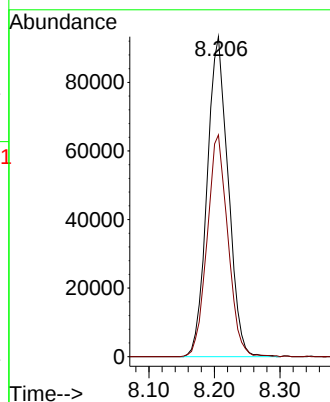
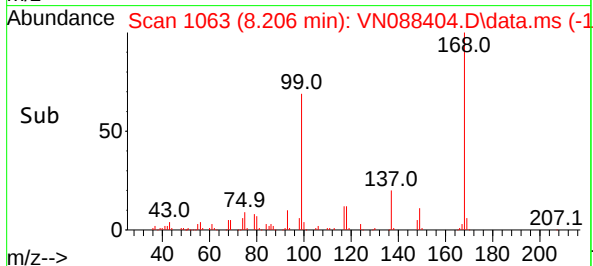
Instrument :
MSVOA_N
ClientSampleId :
MW5DL



Tgt Ion: 168 Resp: 207938
Ion Ratio Lower Upper
168 100
99 69.3 57.1 85.7

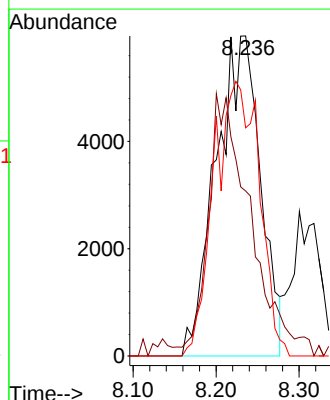
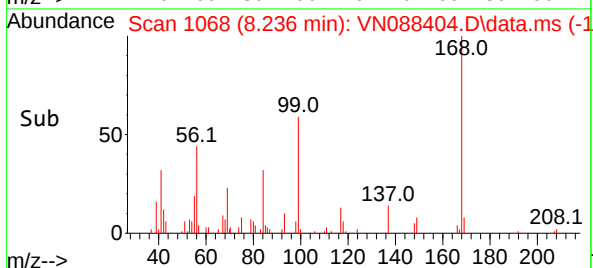
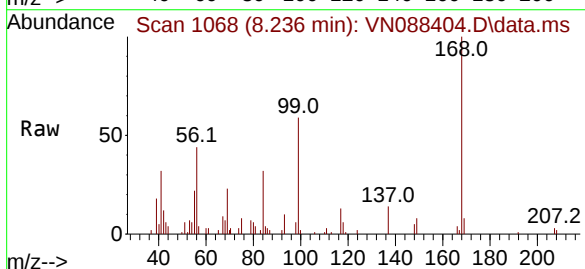
Manual Integrations
APPROVED

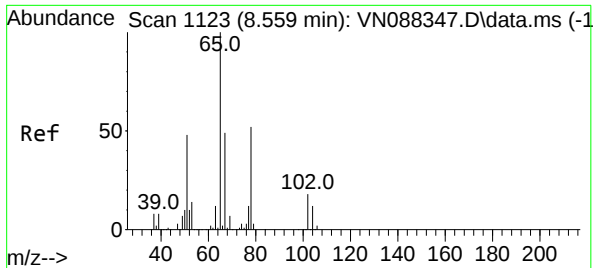
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#31
Cyclohexane
Concen: 4.320 ug/l m
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 56 Resp: 22256
Ion Ratio Lower Upper
56 100
69 51.6 25.3 37.9#
84 71.3 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 62.547 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion: 65 Resp: 24500

Ion Ratio Lower Upper

65 100

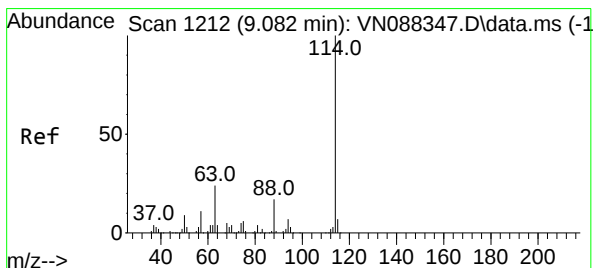
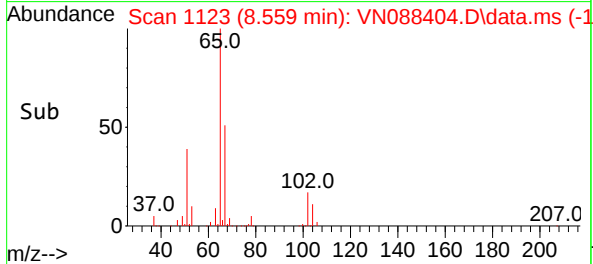
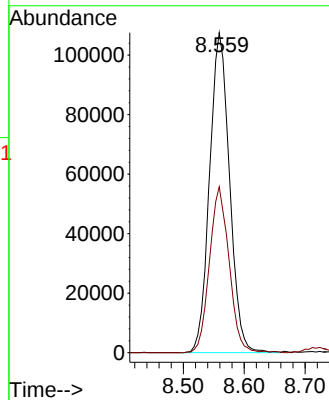
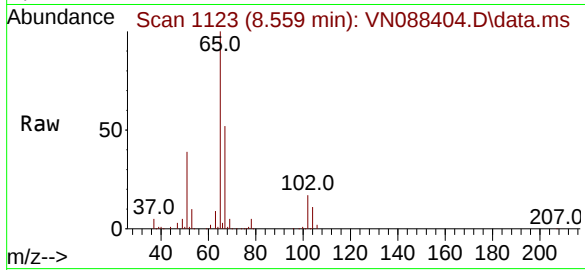
67 51.0 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

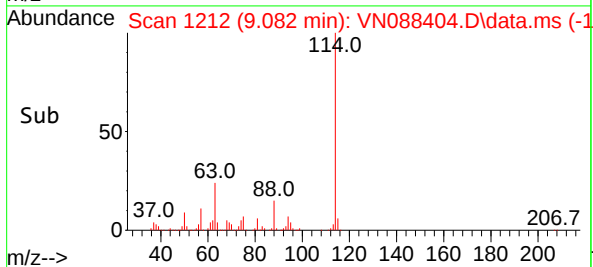
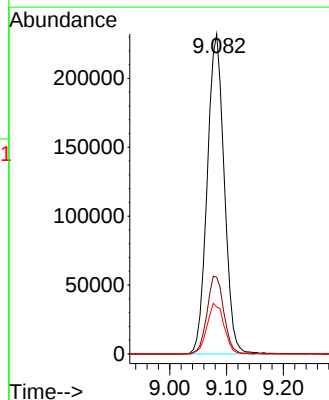
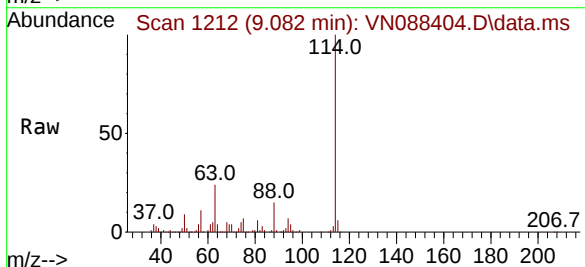
Tgt Ion:114 Resp: 480326

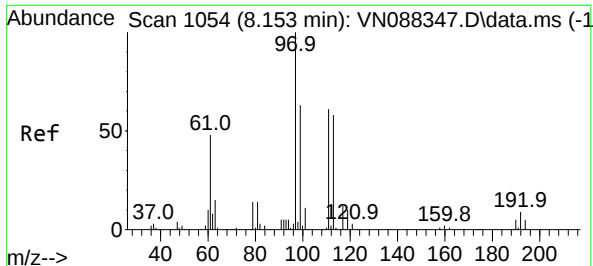
Ion Ratio Lower Upper

114 100

63 24.0 0.0 49.0

88 14.7 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.518 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion:113 Resp: 17481

Ion Ratio Lower Upper

113 100

111 101.7 82.5 123.7

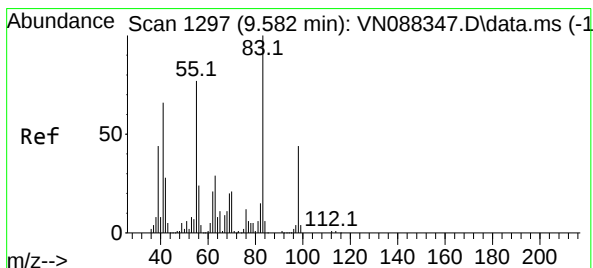
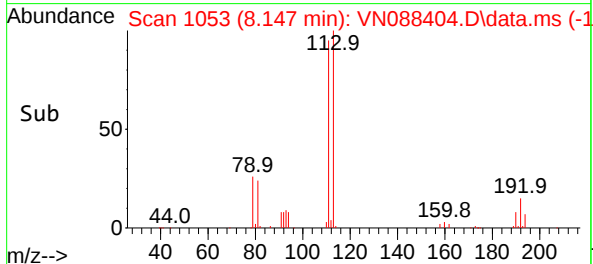
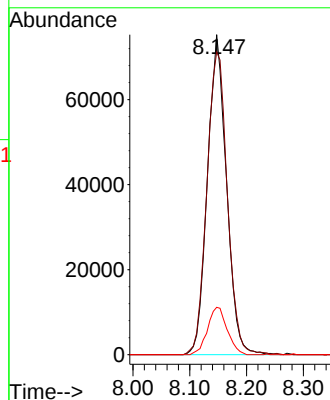
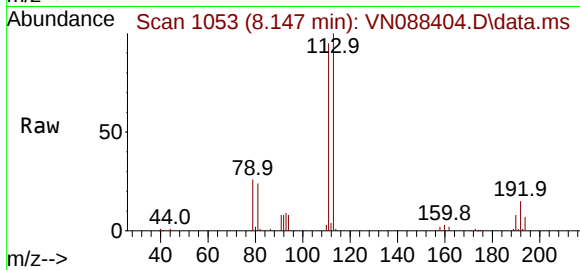
192 15.3 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#39

Methylcyclohexane

Concen: 2.247 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

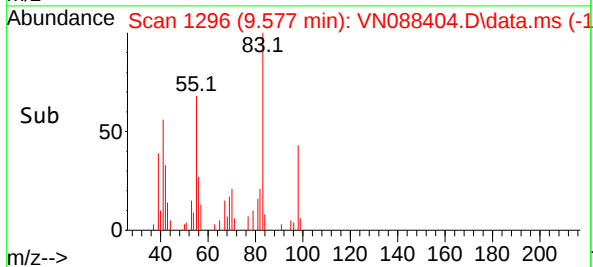
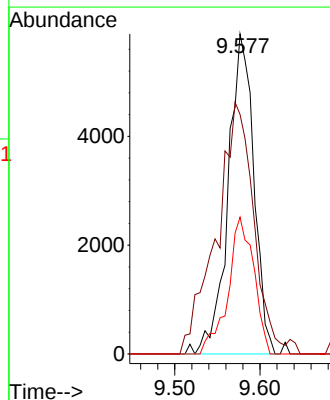
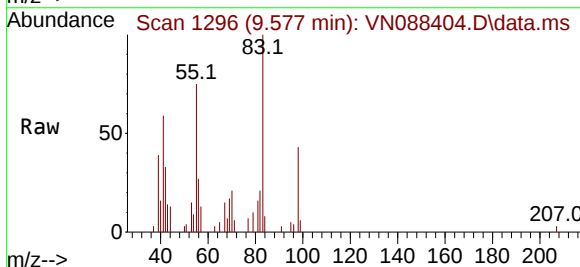
Tgt Ion: 83 Resp: 12349

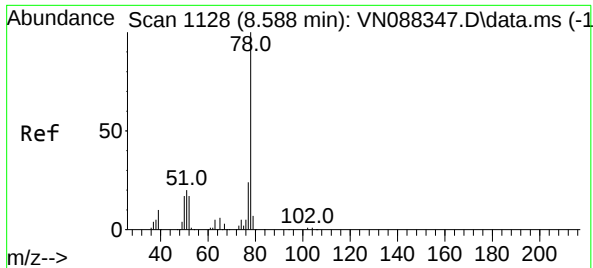
Ion Ratio Lower Upper

83 100

55 74.8 61.6 92.4

98 42.8 35.3 52.9





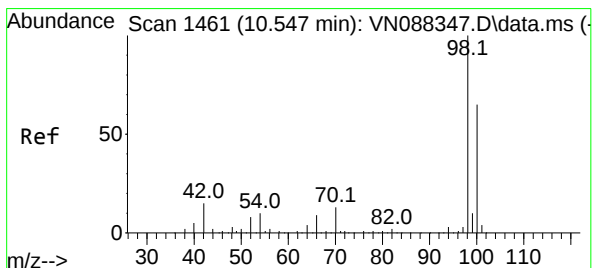
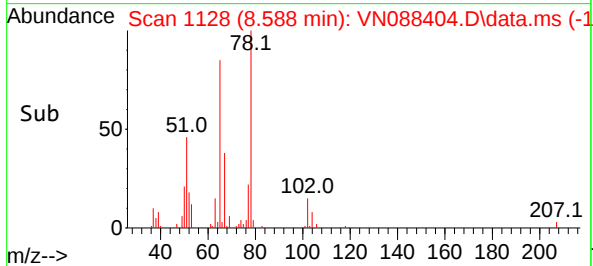
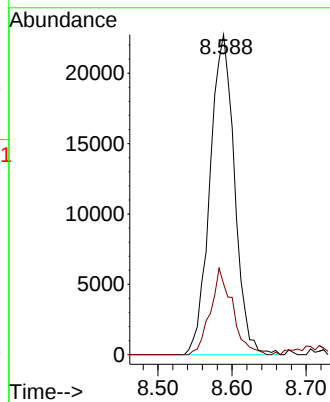
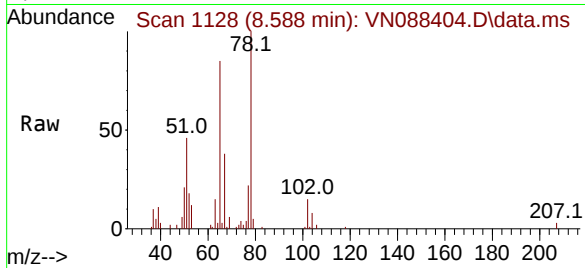
#40
Benzene
Concen: 3.474 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

Instrument :
MSVOA_N
ClientSampleId :
MW5DL

Tgt Ion: 78 Resp: 52384
Ion Ratio Lower Upper
78 100
77 22.1 19.0 28.4

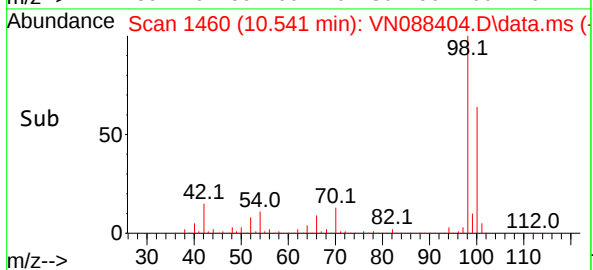
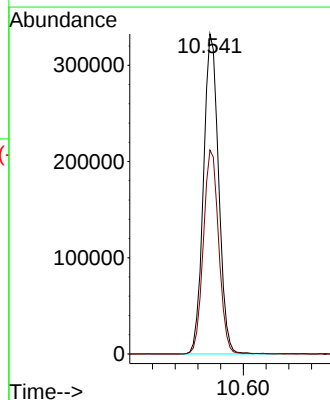
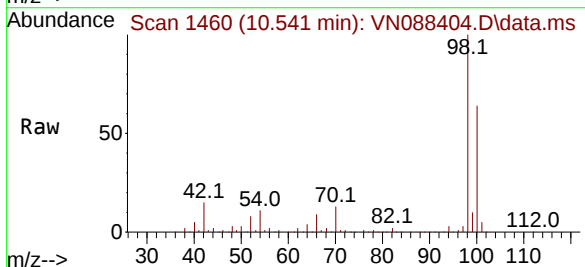
Manual Integrations
APPROVED

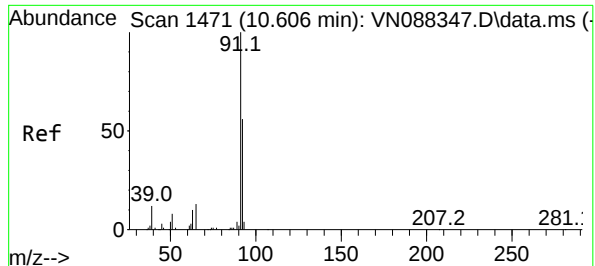
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#50
Toluene-d8
Concen: 49.632 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

Tgt Ion: 98 Resp: 614700
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#52

Toluene

Concen: 5.307 ug/l

RT: 10.606 min Scan# 1471

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion: 92 Resp: 4620

Ion Ratio Lower Upper

92 100

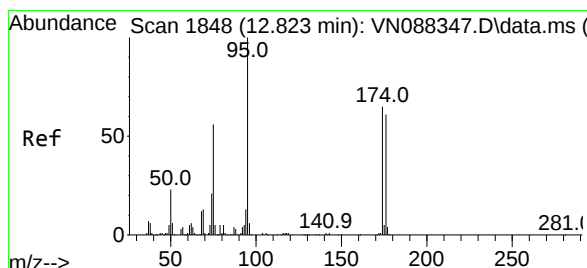
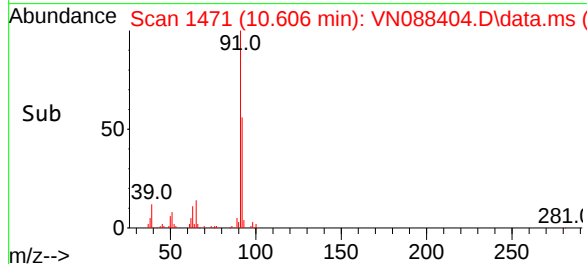
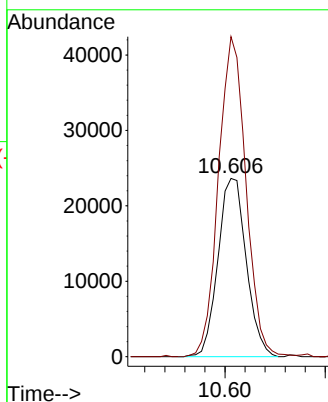
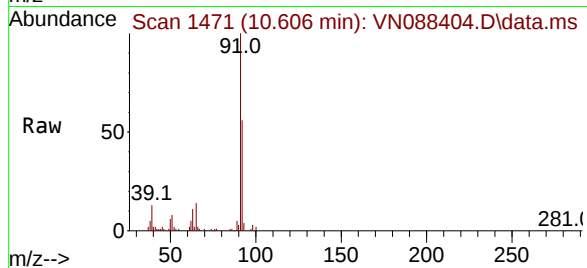
91 174.6 140.2 210.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#62

4-Bromofluorobenzene

Concen: 56.447 ug/l

RT: 12.829 min Scan# 1849

Delta R.T. 0.006 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

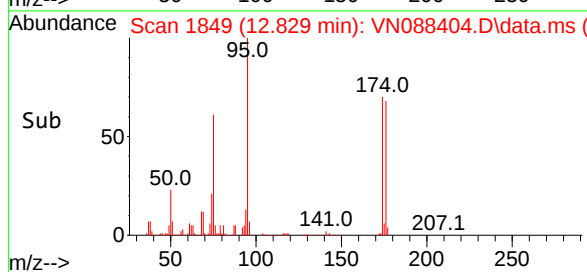
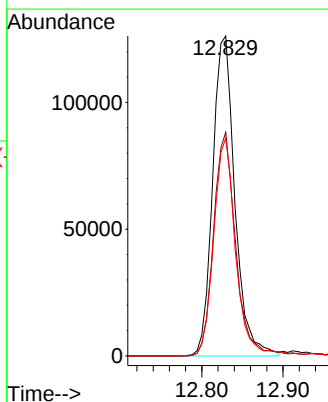
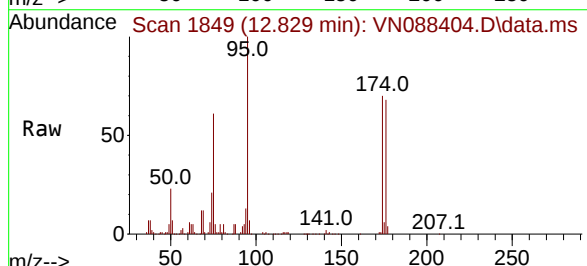
Tgt Ion: 95 Resp: 239873

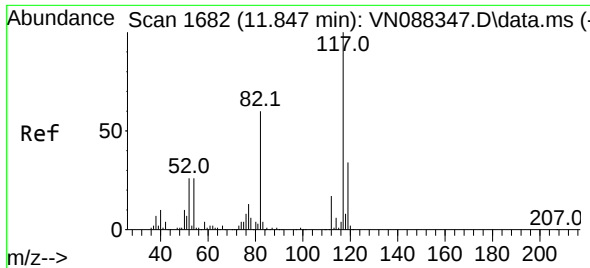
Ion Ratio Lower Upper

95 100

174 70.0 0.0 139.0

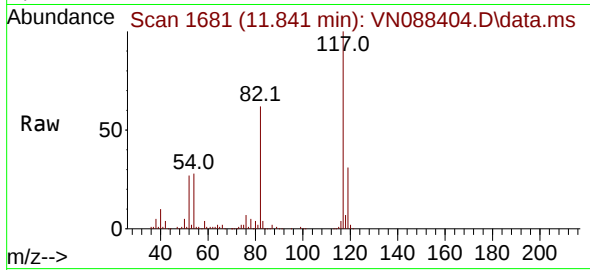
176 67.1 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

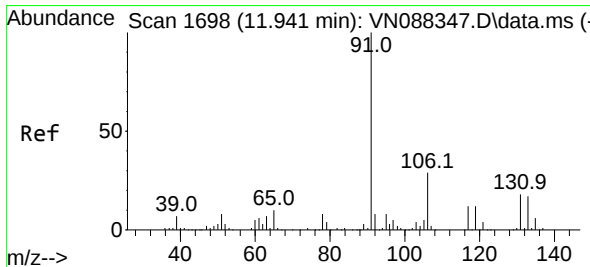
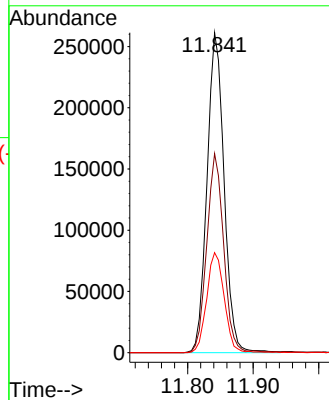
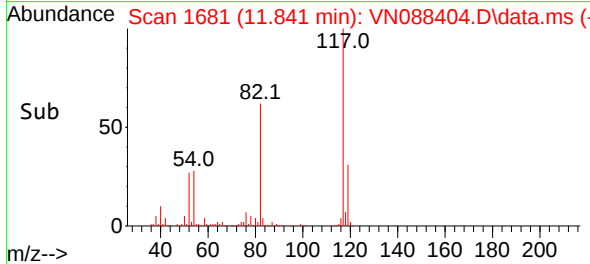
Instrument :
MSVOA_N
ClientSampleId :
MW5DL



Tgt Ion: 117 Resp: 472979
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 31.2 26.9 40.3

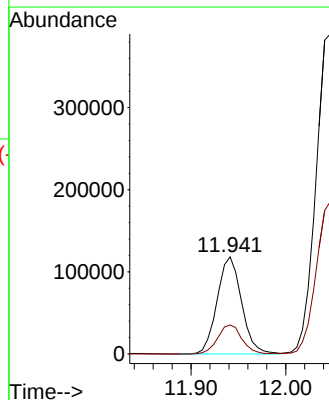
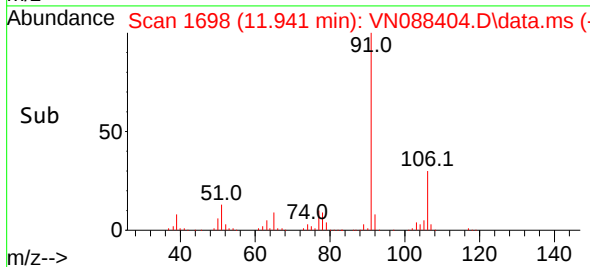
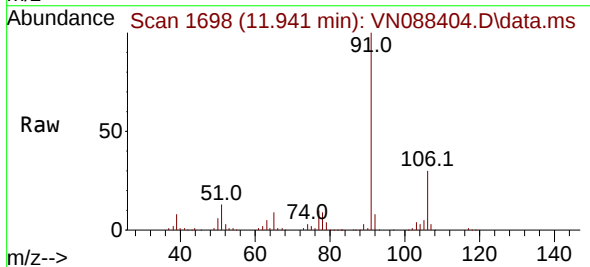
Manual Integrations
APPROVED

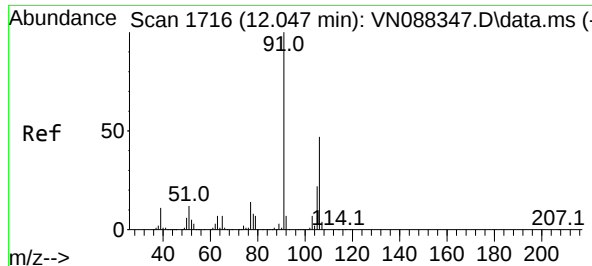
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#67
Ethyl Benzene
Concen: 11.415 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

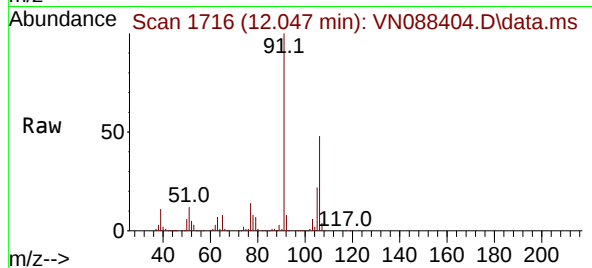
Tgt Ion: 91 Resp: 211963
Ion Ratio Lower Upper
91 100
106 29.9 23.6 35.4





#68
m/p-Xylenes
Concen: 53.228 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

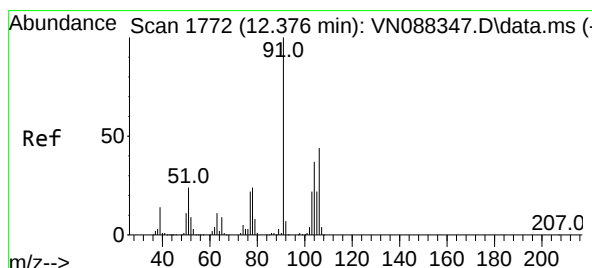
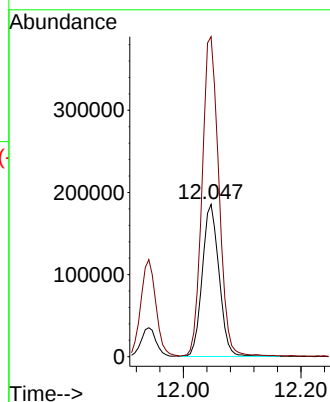
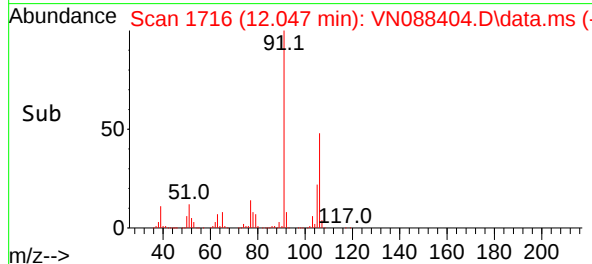
Instrument :
MSVOA_N
ClientSampleId :
MW5DL



Tgt Ion:106 Resp: 366452
Ion Ratio Lower Upper
106 100
91 210.3 167.8 251.6

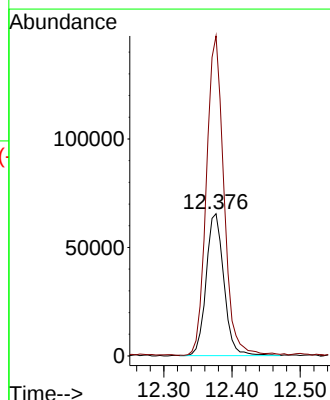
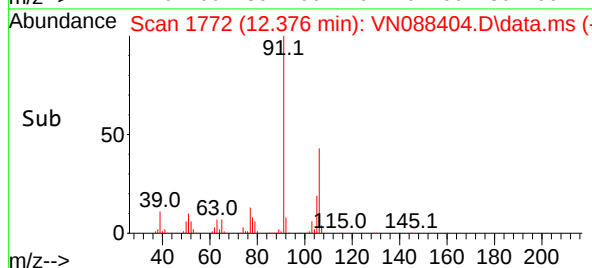
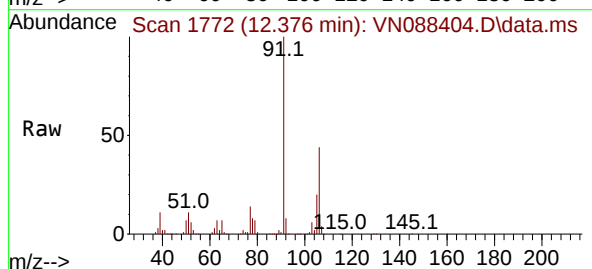
Manual Integrations
APPROVED

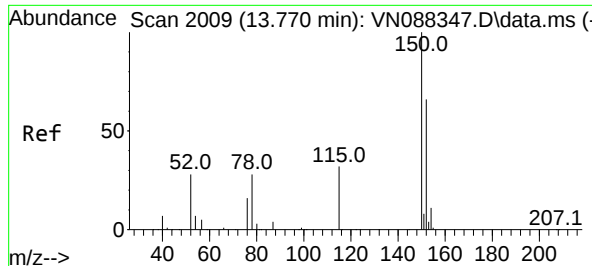
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#69
o-Xylene
Concen: 18.005 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088404.D
Acq: 02 Dec 2025 12:55

Tgt Ion:106 Resp: 118177
Ion Ratio Lower Upper
106 100
91 223.1 112.9 338.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion:152 Resp: 241090

Ion Ratio Lower Upper

152 100

115 68.8 33.0 98.9

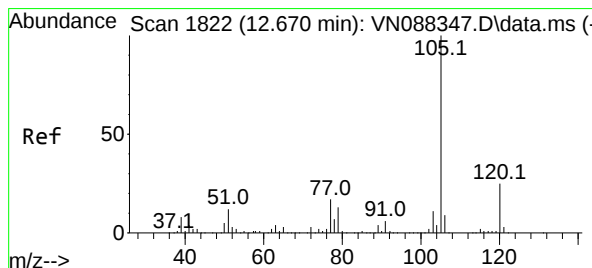
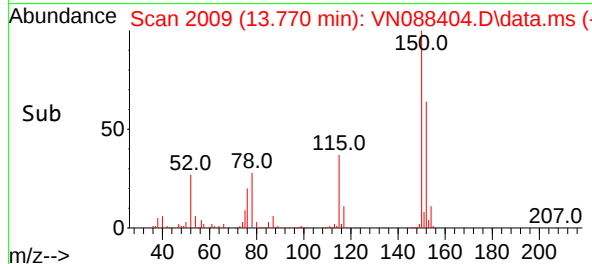
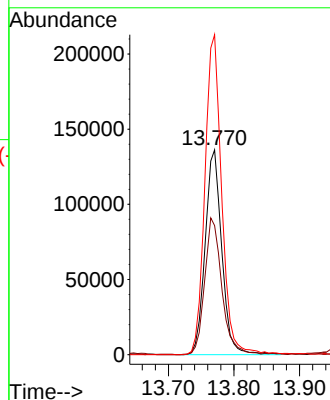
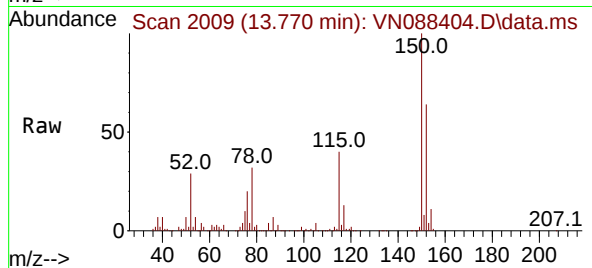
150 157.5 0.0 349.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#73

Isopropylbenzene

Concen: 0.836 ug/l

RT: 12.676 min Scan# 1823

Delta R.T. 0.006 min

Lab File: VN088404.D

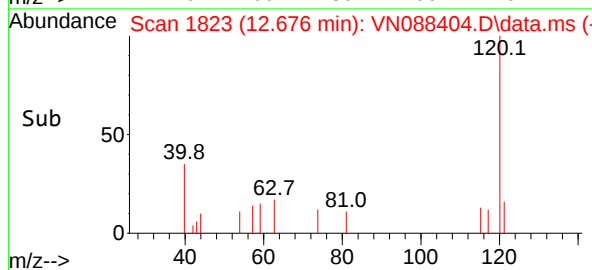
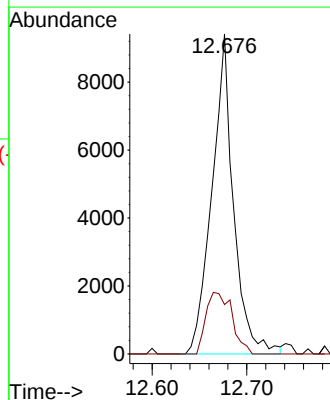
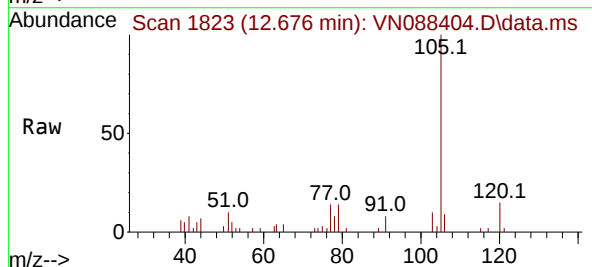
Acq: 02 Dec 2025 12:55

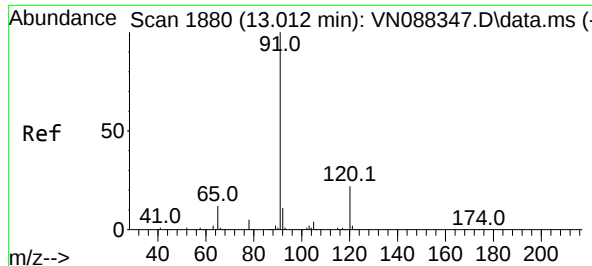
Tgt Ion:105 Resp: 14911

Ion Ratio Lower Upper

105 100

120 23.3 12.8 38.3





#78

n-propylbenzene

Concen: 2.086 ug/l

RT: 13.018 min Scan# 1880

Delta R.T. 0.006 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion: 91 Resp: 45498

Ion Ratio Lower Upper

91 100

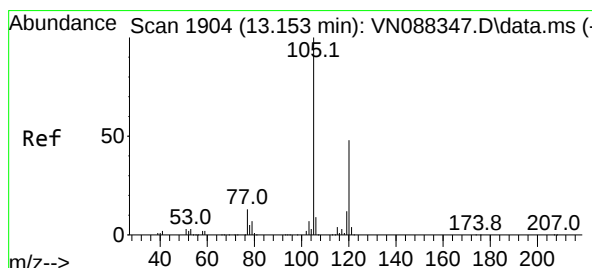
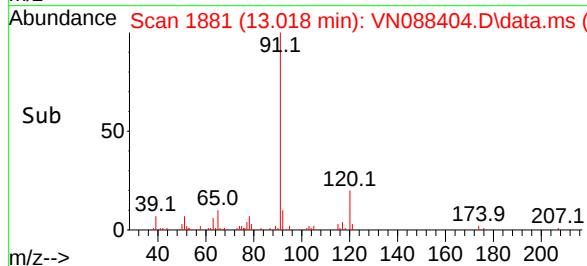
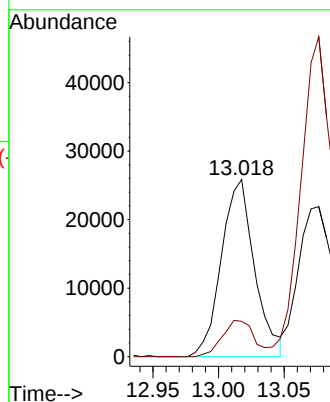
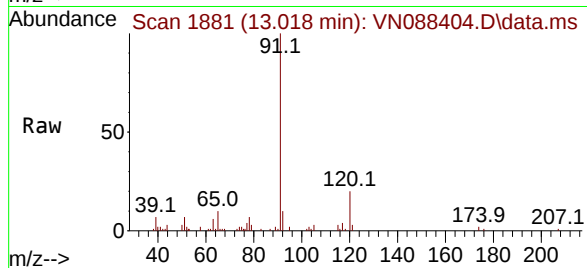
120 19.5 10.9 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 11.644 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN088404.D

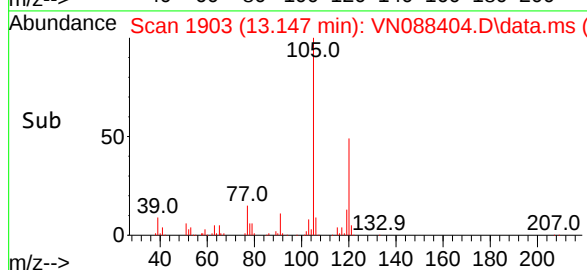
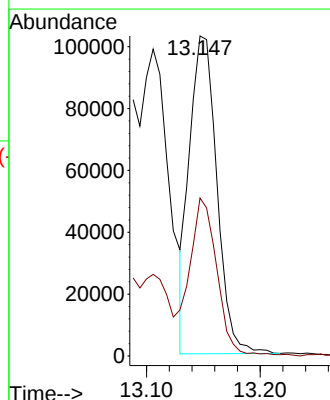
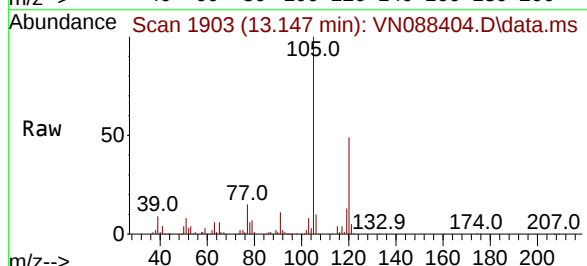
Acq: 02 Dec 2025 12:55

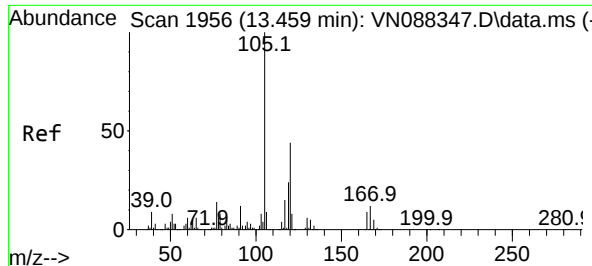
Tgt Ion:105 Resp: 171991

Ion Ratio Lower Upper

105 100

120 50.9 23.8 71.5





#84

1,2,4-Trimethylbenzene

Concen: 39.567 ug/l

RT: 13.459 min Scan# 1956

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

Tgt Ion:105 Resp: 580928

Ion Ratio Lower Upper

105 100

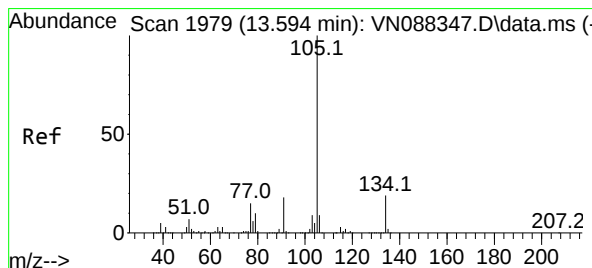
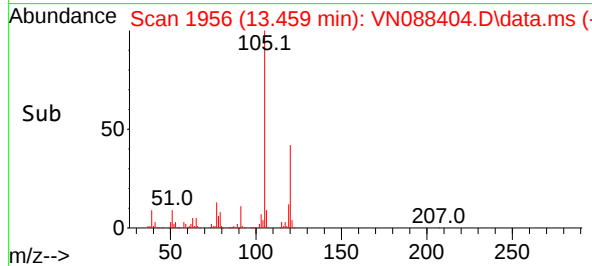
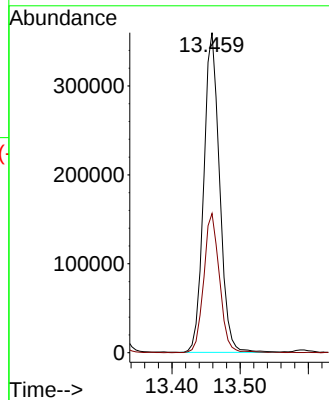
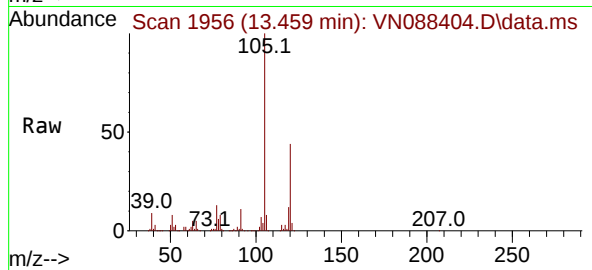
120 43.6 22.1 66.1

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#85

sec-Butylbenzene

Concen: 0.337 ug/l m

RT: 13.594 min Scan# 1979

Delta R.T. 0.000 min

Lab File: VN088404.D

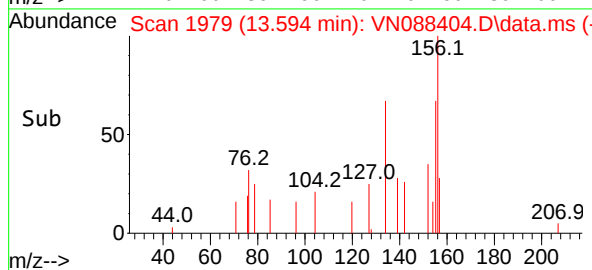
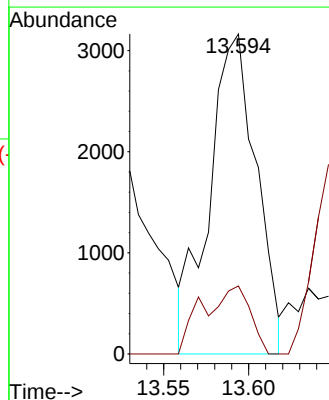
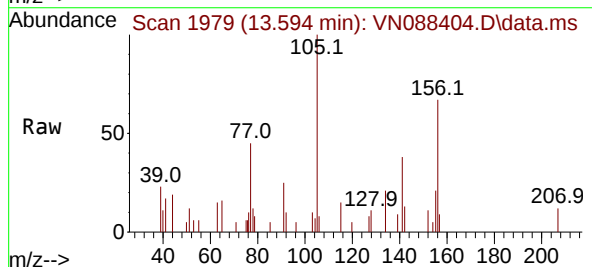
Acq: 02 Dec 2025 12:55

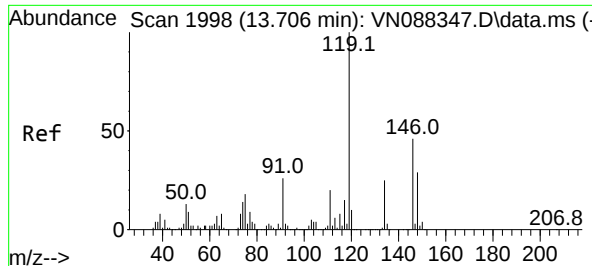
Tgt Ion:105 Resp: 6083

Ion Ratio Lower Upper

105 100

134 0.0 9.5 28.5#





#86

p-Isopropyltoluene

Concen: 0.260 ug/l

RT: 13.700 min Scan# 1998

Delta R.T. -0.006 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Instrument :

MSVOA_N

ClientSampleId :

MW5DL

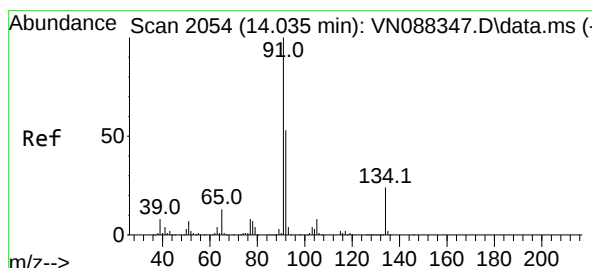
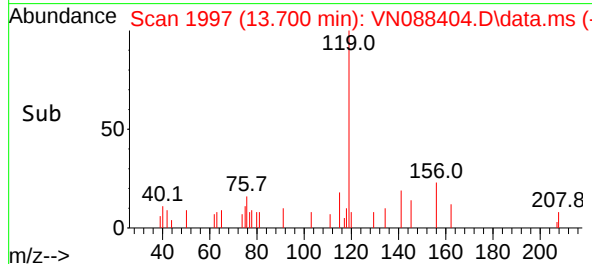
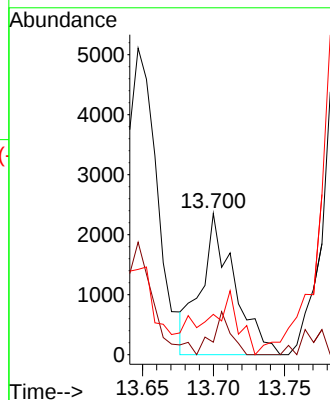
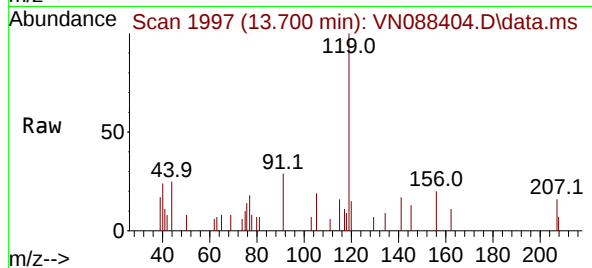
Tgt Ion:	119	Resp:	384
Ion Ratio	Lower	Upper	
119	100		
134	16.2	12.2	36.6
91	0.0	13.0	39.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#89

n-Butylbenzene

Concen: 0.305 ug/l m

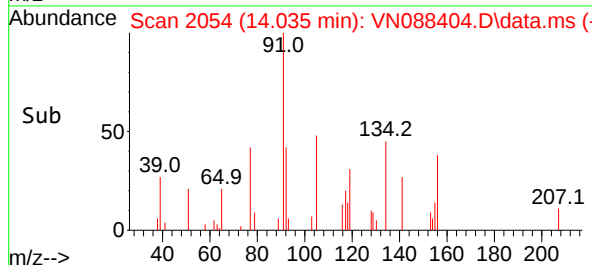
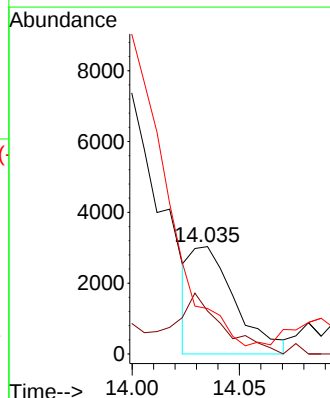
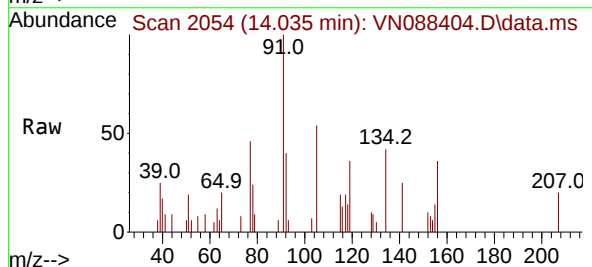
RT: 14.035 min Scan# 2054

Delta R.T. 0.000 min

Lab File: VN088404.D

Acq: 02 Dec 2025 12:55

Tgt Ion:	91	Resp:	4382
Ion Ratio	Lower	Upper	
91	100		
92	106.1	26.1	78.3#
134	0.0	11.7	35.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088381.D
Acq On : 01 Dec 2025 14:33
Operator : JC\MD
Sample : Q3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

A
B
C
D
E
F
G
H
I
J

Quant Time: Dec 02 00:14:50 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	207192	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	481798	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	474127	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	234308	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	238585	61.127	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.260%
35) Dibromofluoromethane	8.147	113	174166	52.164	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.320%
50) Toluene-d8	10.541	98	626801	50.455	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.900%
62) 4-Bromofluorobenzene	12.829	95	239117	56.097	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	112.200%

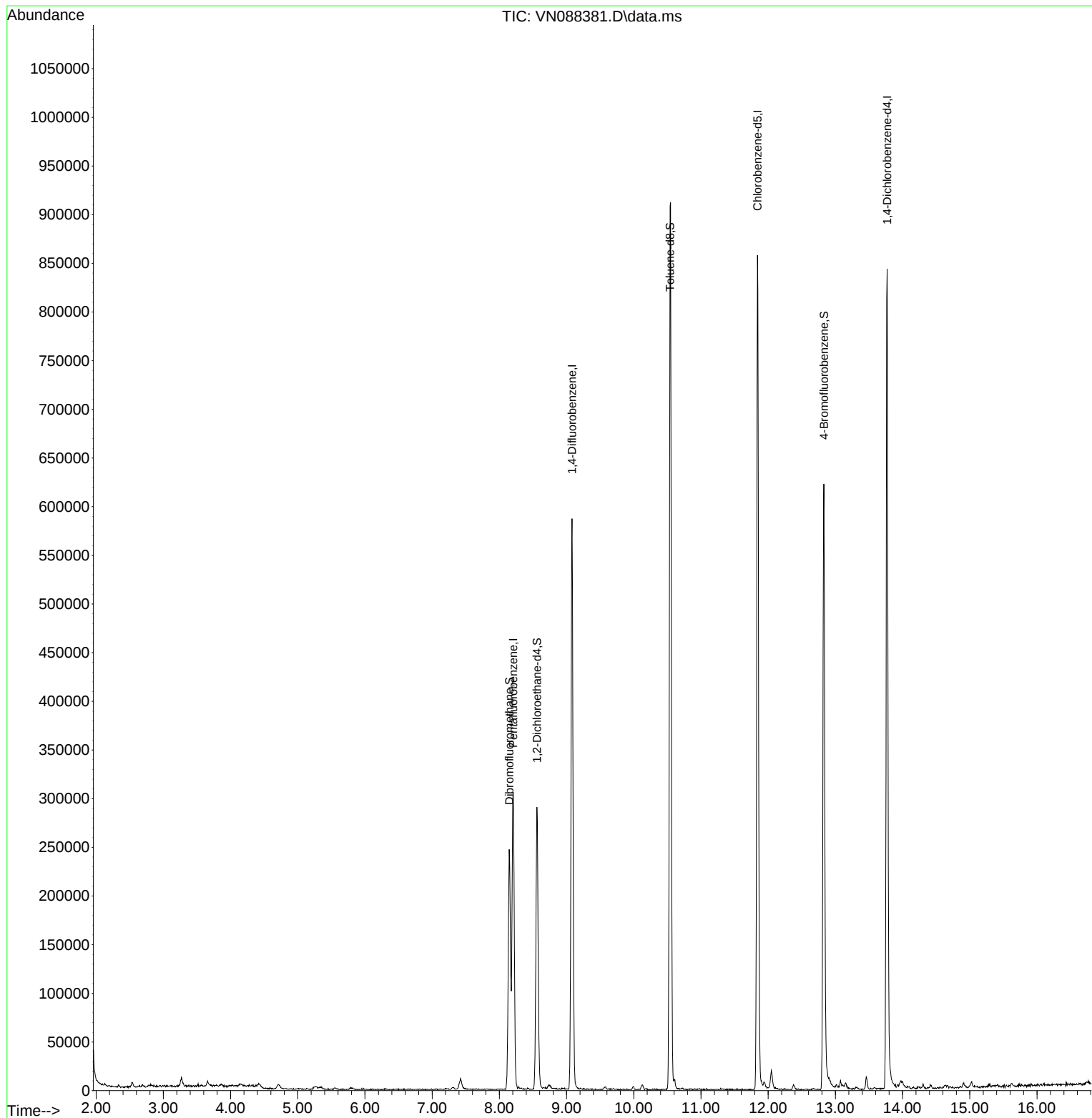
Target Compounds	Qvalue

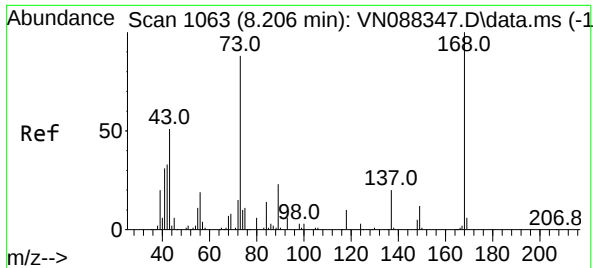
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088381.D
Acq On : 01 Dec 2025 14:33
Operator : JC\MD
Sample : Q3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

Quant Time: Dec 02 00:14:50 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

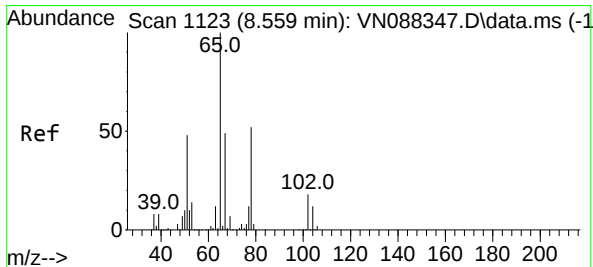
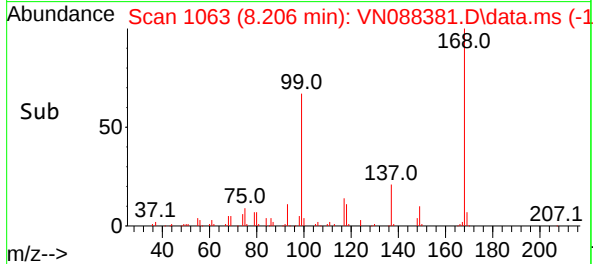
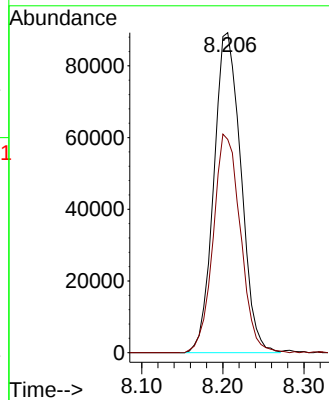
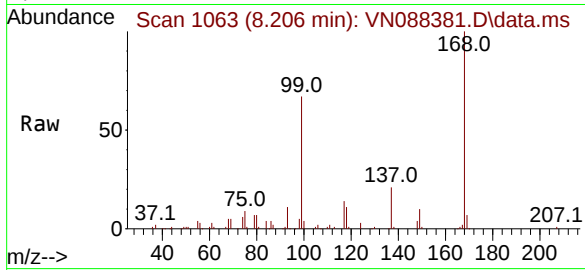




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088381.D
Acq: 01 Dec 2025 14:33

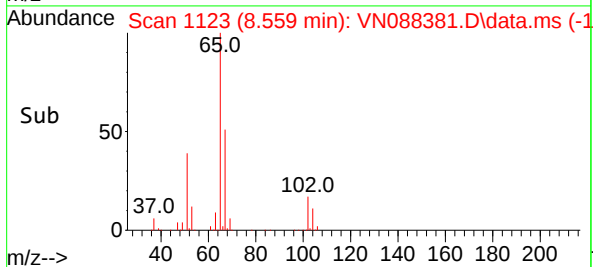
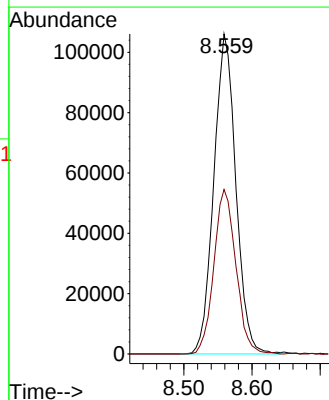
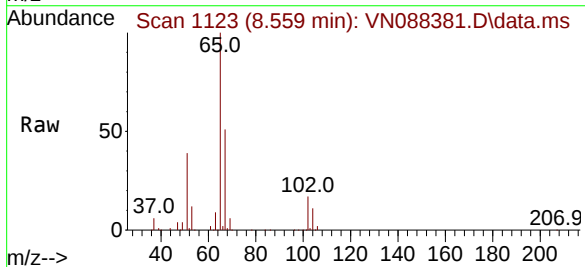
Instrument :
MSVOA_N
ClientSampleId :
MW3

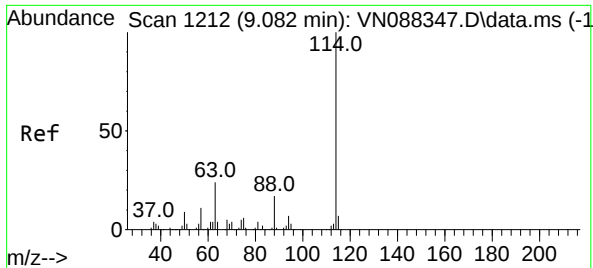
Tgt Ion:168 Resp: 207192
Ion Ratio Lower Upper
168 100
99 66.7 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 61.127 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088381.D
Acq: 01 Dec 2025 14:33

Tgt Ion: 65 Resp: 238585
Ion Ratio Lower Upper
65 100
67 51.4 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: VN088381.D

Acq: 01 Dec 2025 14:33

Instrument :

MSVOA_N

ClientSampleId :

MW3

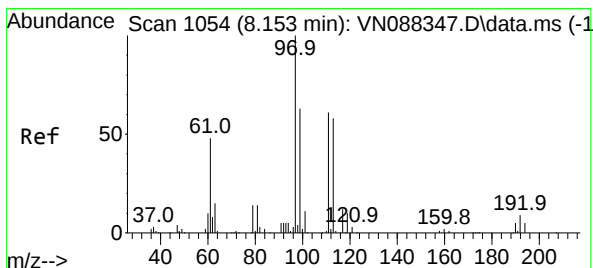
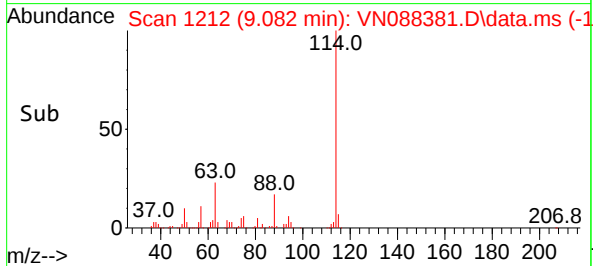
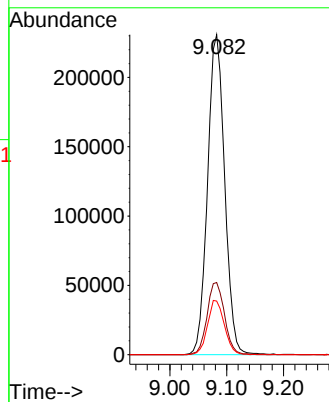
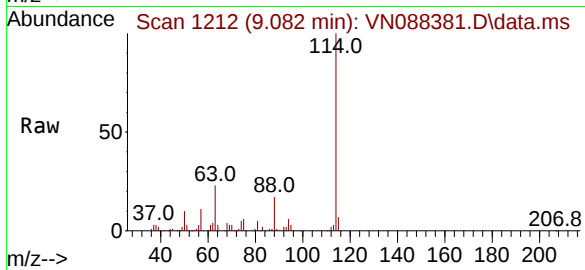
Tgt Ion:114 Resp: 481798

Ion Ratio Lower Upper

114 100

63 22.6 0.0 49.0

88 16.8 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.164 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088381.D

Acq: 01 Dec 2025 14:33

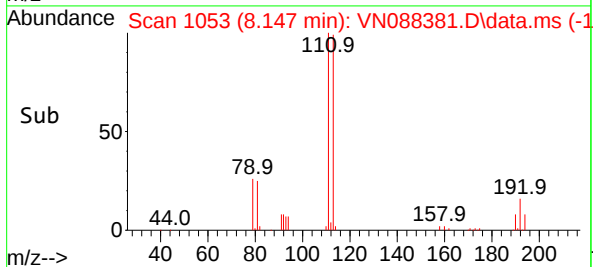
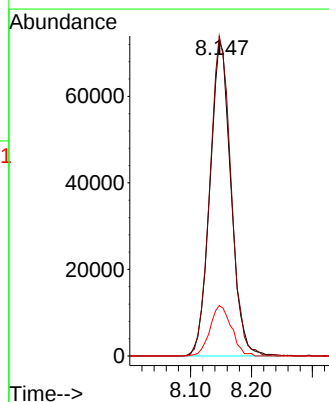
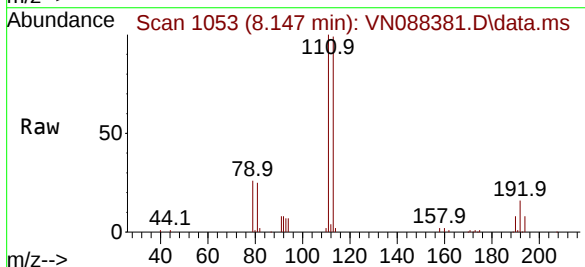
Tgt Ion:113 Resp: 174166

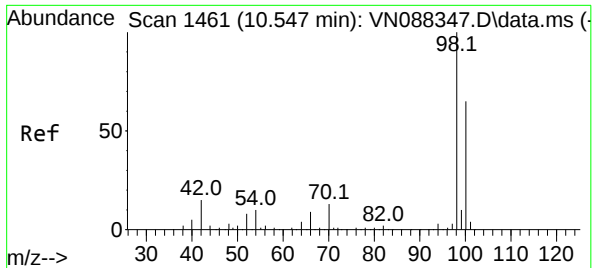
Ion Ratio Lower Upper

113 100

111 102.1 82.5 123.7

192 16.3 12.8 19.2

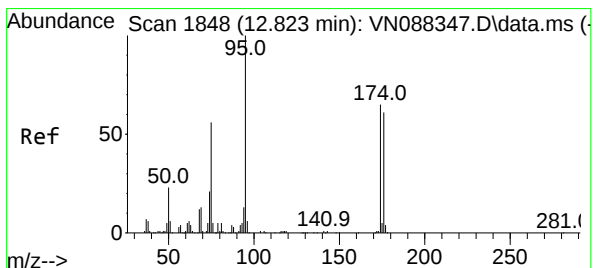
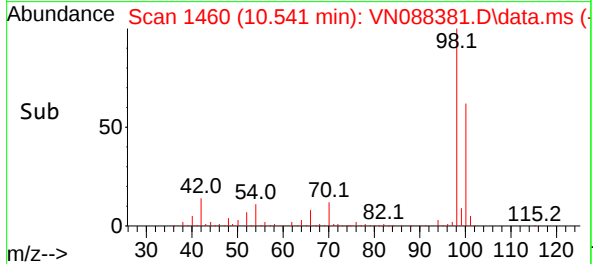
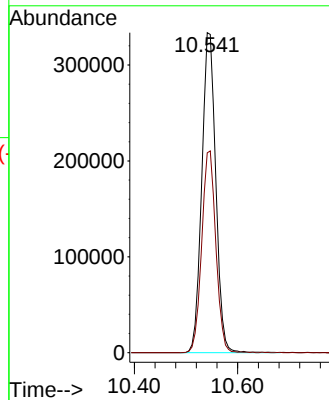
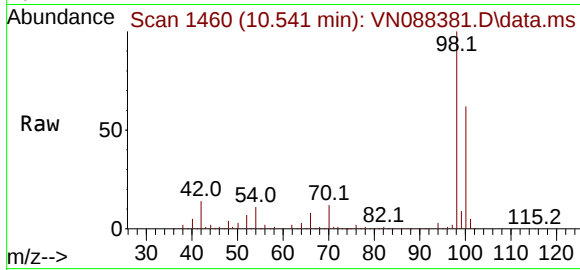




#50
Toluene-d8
Concen: 50.455 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088381.D
Acq: 01 Dec 2025 14:33

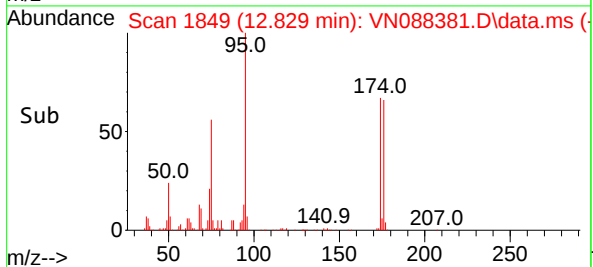
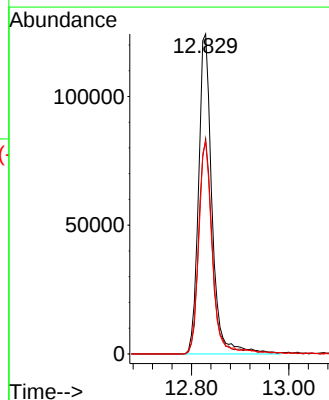
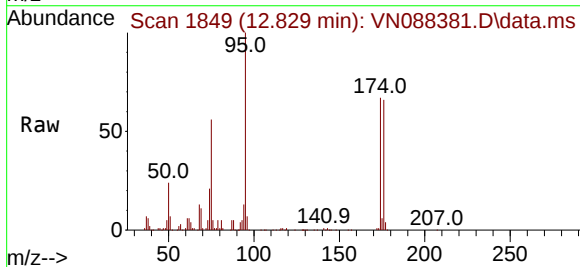
Instrument :
MSVOA_N
ClientSampleId :
MW3

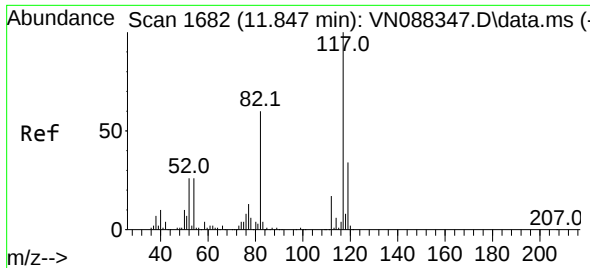
Tgt Ion: 98 Resp: 626801
Ion Ratio Lower Upper
98 100
100 63.6 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 56.097 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088381.D
Acq: 01 Dec 2025 14:33

Tgt Ion: 95 Resp: 239117
Ion Ratio Lower Upper
95 100
174 68.0 0.0 139.0
176 65.6 0.0 132.4

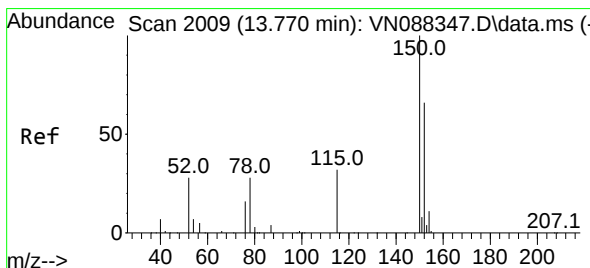
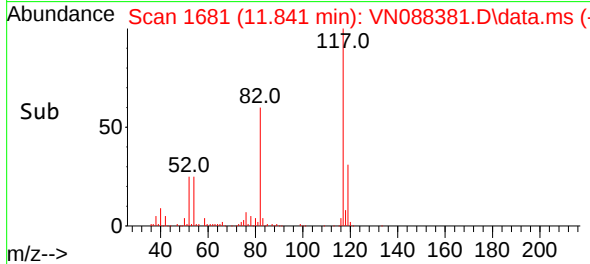
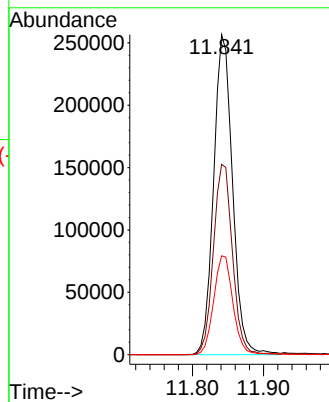
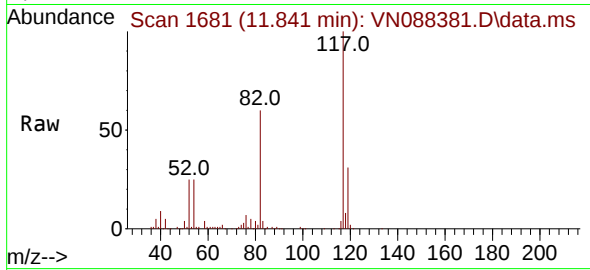




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088381.D
Acq: 01 Dec 2025 14:33

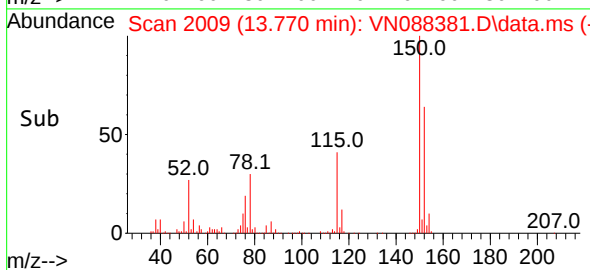
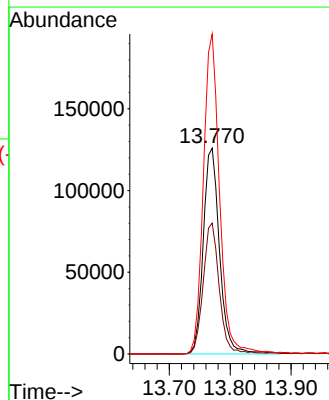
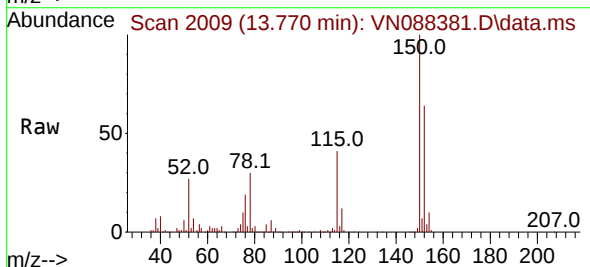
Instrument :
MSVOA_N
ClientSampleId :
MW3

Tgt Ion:117 Resp: 474127
Ion Ratio Lower Upper
117 100
82 59.5 47.8 71.8
119 30.9 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: VN088381.D
Acq: 01 Dec 2025 14:33

Tgt Ion:152 Resp: 234308
Ion Ratio Lower Upper
152 100
115 62.6 33.0 98.9
150 154.8 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088381.D
 Acq On : 01 Dec 2025 14:33
 Operator : JC\MD
 Sample : Q3716-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW3

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_N\methods\82N112425W.M

Title : SW846 8260

Signal : TIC: VN088381.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	3.271	219	224	231	rVB3	8837	17795	1.03%	0.190%
2	7.424	920	930	937	rBV2	10800	27692	1.61%	0.295%
3	8.147	1043	1053	1058	rBV	246665	590396	34.27%	6.294%
4	8.206	1058	1063	1074	rVB	304619	696563	40.43%	7.425%
5	8.559	1113	1123	1137	rBV	289891	666002	38.66%	7.100%
6	9.082	1202	1212	1227	rBV	586282	1219221	70.77%	12.997%
7	10.547	1451	1461	1469	rBV	911382	1722874	100.00%	18.366%
8	11.841	1672	1681	1694	rBV	857215	1588661	92.21%	16.935%
9	12.047	1709	1716	1725	rVB2	18433	38575	2.24%	0.411%
10	12.829	1840	1849	1875	rBV	622375	1218885	70.75%	12.993%
11	13.459	1950	1956	1966	rBV2	13139	24211	1.41%	0.258%
12	13.770	2001	2009	2028	rBV	841942	1569894	91.12%	16.735%

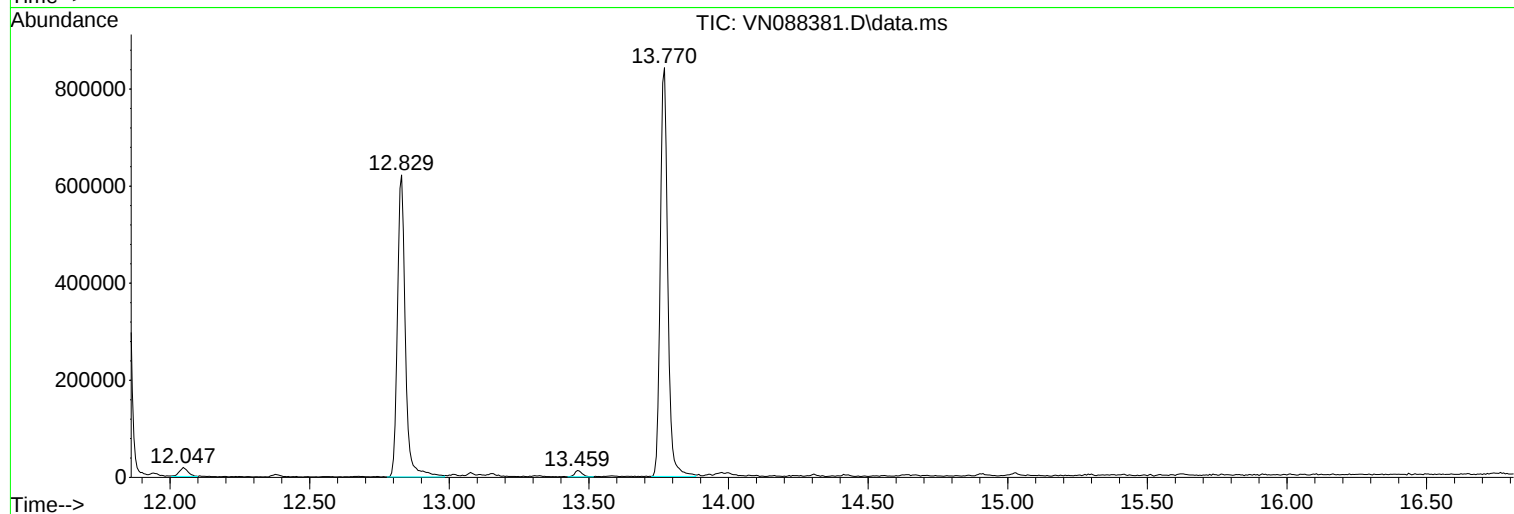
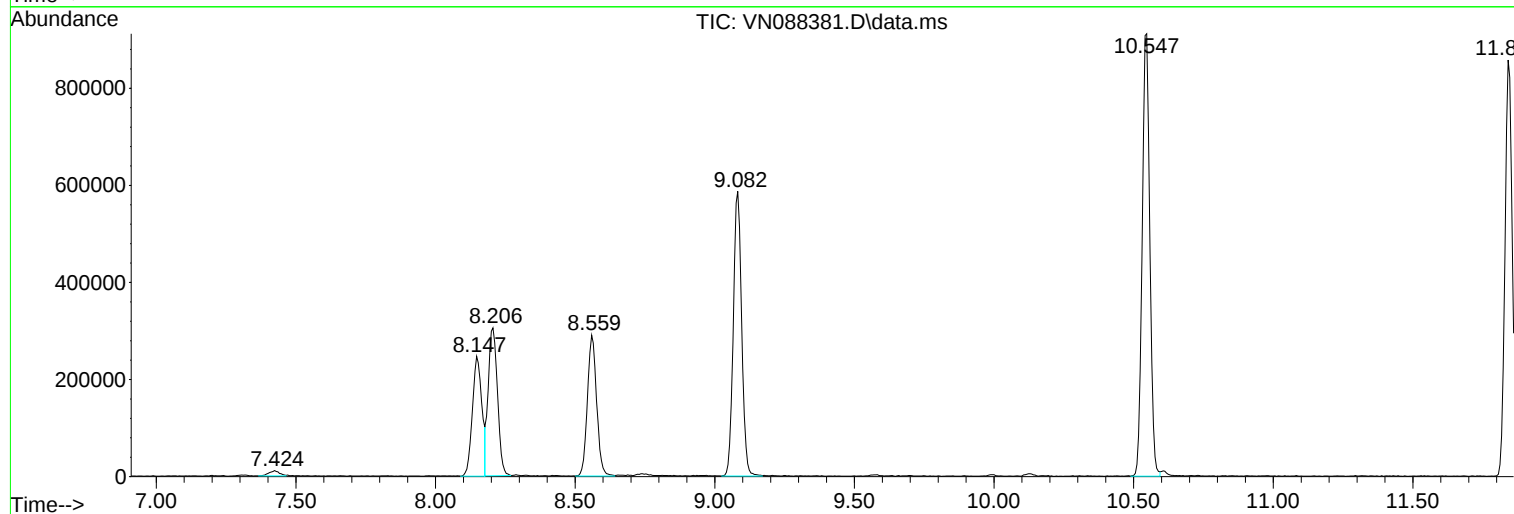
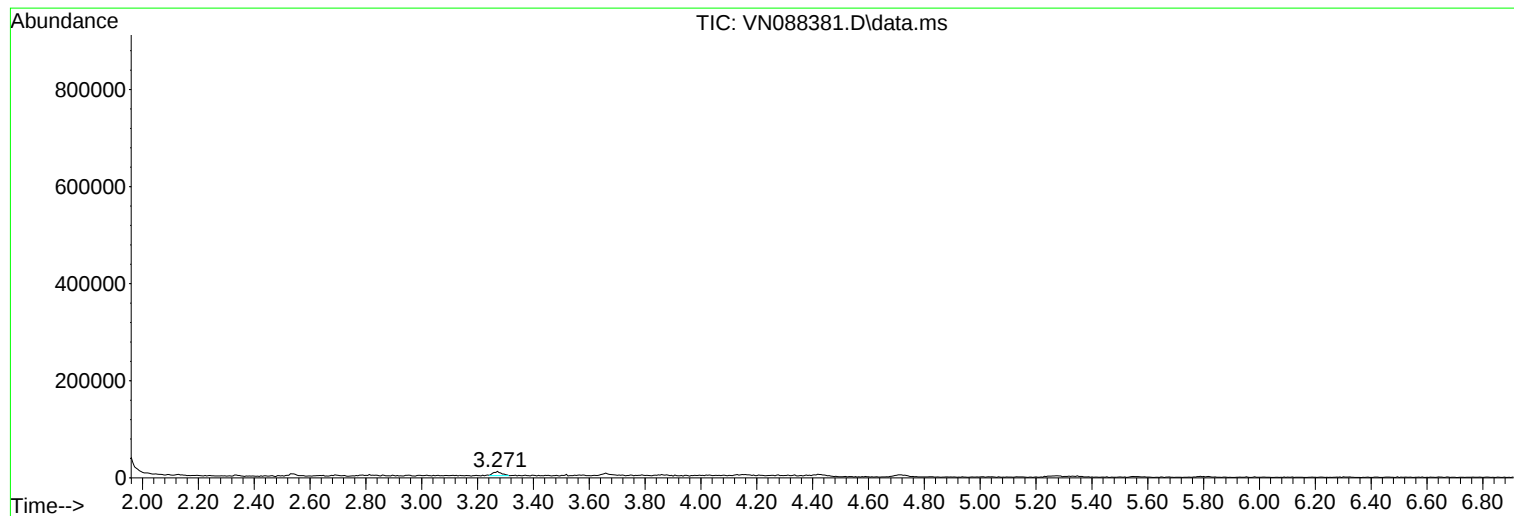
Sum of corrected areas: 9380769

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088381.D
Acq On : 01 Dec 2025 14:33
Operator : JC\MD
Sample : Q3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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 : VN088381.D
Acq On : 01 Dec 2025 14:33
Operator : JC\MD
Sample : Q3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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 : VN088381.D
Acq On : 01 Dec 2025 14:33
Operator : JC\MD
Sample : Q3716-02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 14 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW3

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_N\Data\VN120225\
 Data File : VN088406.D
 Acq On : 02 Dec 2025 13:36
 Operator : JC\MD
 Sample : Q3716-03
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW4

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:28:49 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	171507	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	394843	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	392576	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	184143	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	191658	59.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 118.640%			
35) Dibromofluoromethane	8.147	113	141786	51.818	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.640%			
50) Toluene-d8	10.541	98	512041	50.294	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 100.580%			
62) 4-Bromofluorobenzene	12.823	95	183923	52.651	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 105.300%			
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.730	76	12590	1.841	ug/l	97
52) Toluene	10.606	92	6149	0.859	ug/l	91
67) Ethyl Benzene	11.947	91	3817	0.248	ug/l #	68
68) m/p-Xylenes	12.059	106	1895	0.332	ug/l	90
84) 1,2,4-Trimethylbenzene	13.465	105	3729	0.333	ug/l	95
85) sec-Butylbenzene	13.594	105	6972	0.506	ug/l #	58
86) p-Isopropyltoluene	13.706	119	5574	0.493	ug/l	96
89) n-Butylbenzene	14.023	91	5663m	0.516	ug/l	

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

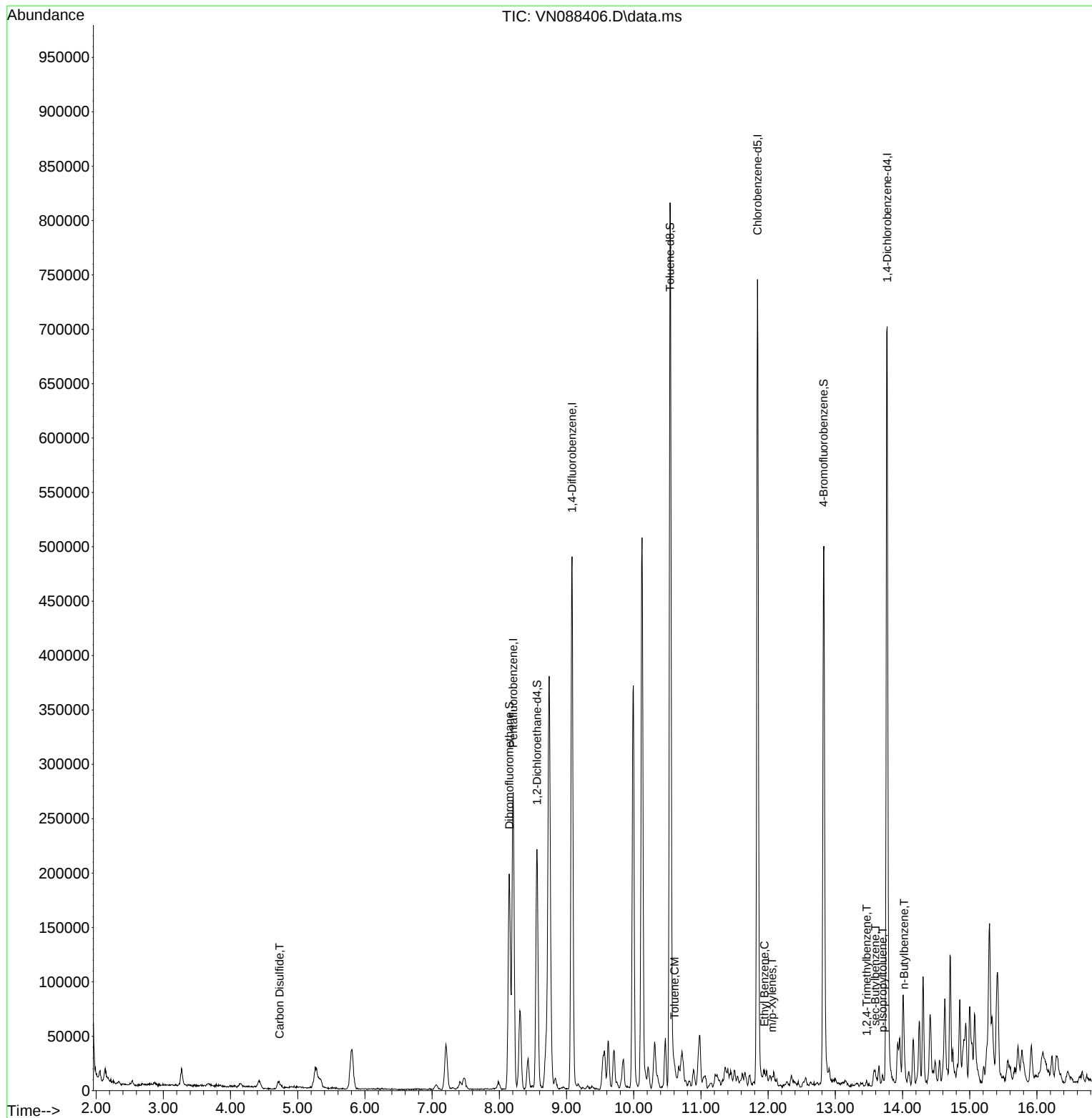
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

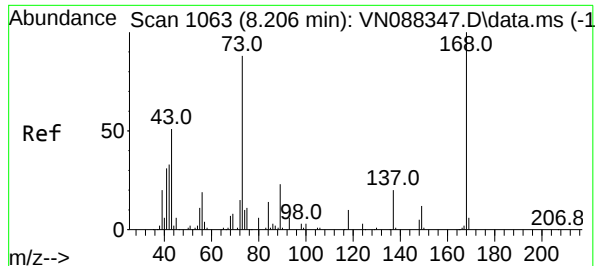
Instrument :
MSVOA_N
ClientSampleId :
MW4

Manual Integrations
APPROVED

Reviewed By : John Carlone 12/03/2025
Supervised By : Mahesh Dadoda 12/03/2025

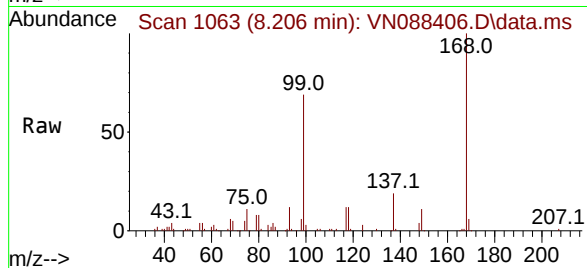
Quant Time: Dec 03 01:28:49 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

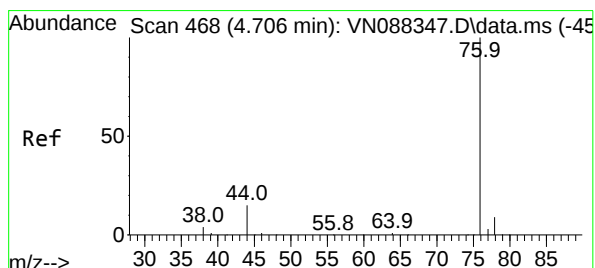
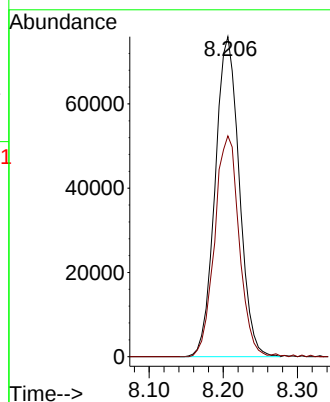
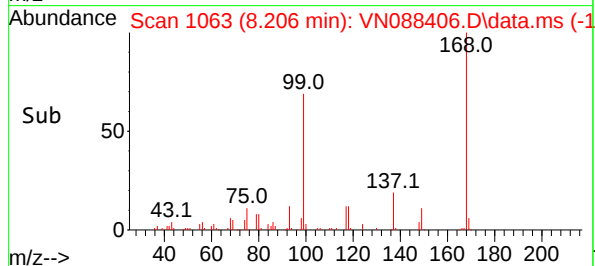
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:168 Resp: 17150
Ion Ratio Lower Upper
168 100
99 69.0 57.1 85.7

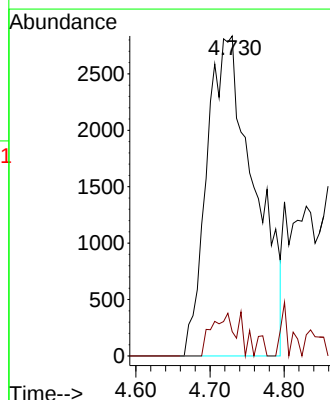
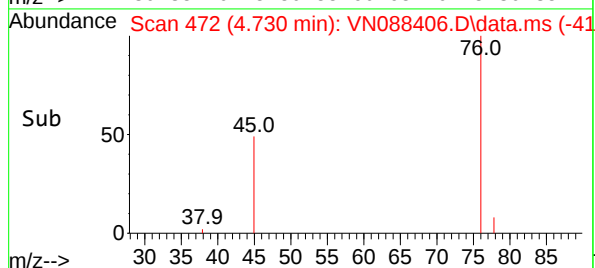
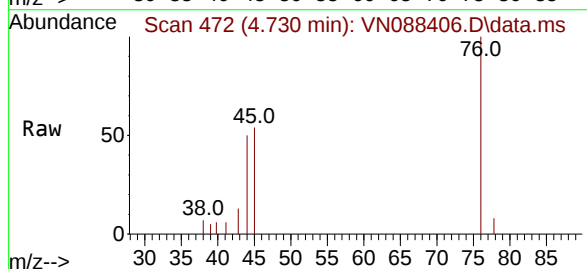
Manual Integrations
APPROVED

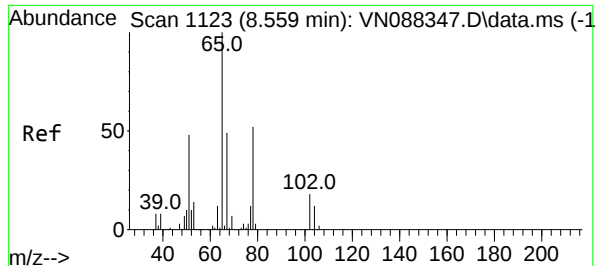
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#17
Carbon Disulfide
Concen: 1.841 ug/l
RT: 4.730 min Scan# 472
Delta R.T. 0.024 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

Tgt Ion: 76 Resp: 12590
Ion Ratio Lower Upper
76 100
78 7.6 7.0 10.4





#33

1,2-Dichloroethane-d4

Concen: 59.321 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion: 65 Resp: 191658

Ion Ratio Lower Upper

65 100

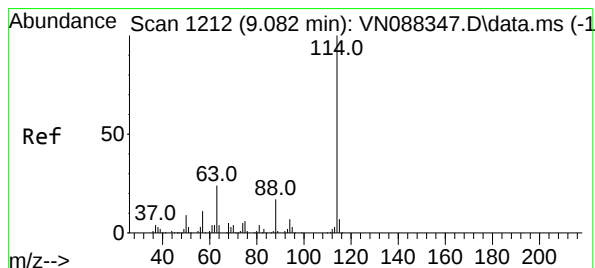
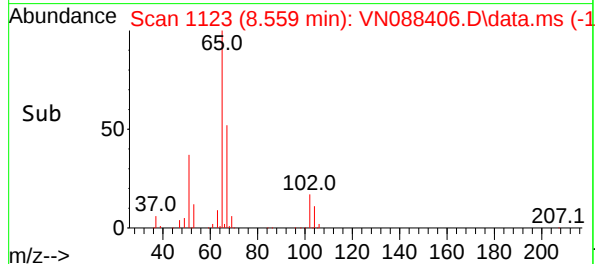
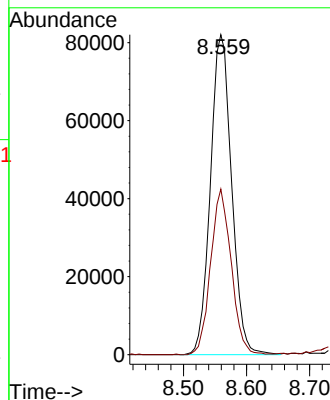
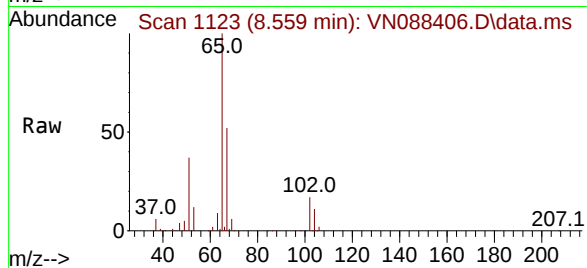
67 50.1 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

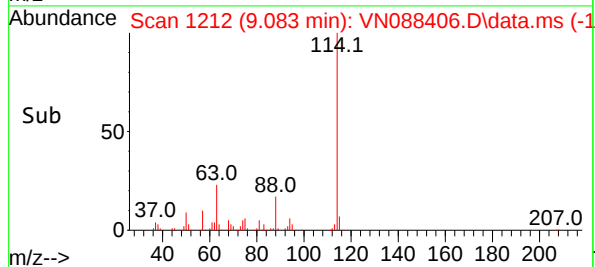
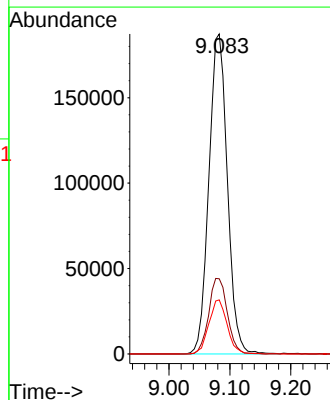
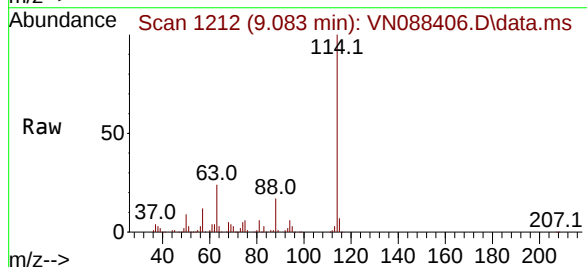
Tgt Ion:114 Resp: 394843

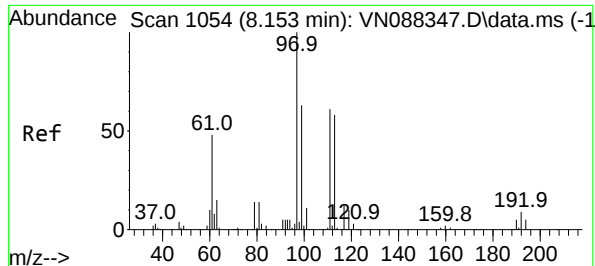
Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.0

88 16.9 0.0 34.0





#35

Dibromofluoromethane

Concen: 51.818 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088406.D

Acq: 02 Dec 2025 13:36

Instrument :

MSVOA_N

ClientSampleId :

MW4

Tgt Ion:113 Resp: 141780

Ion Ratio Lower Upper

113 100

111 99.8 82.5 123.7

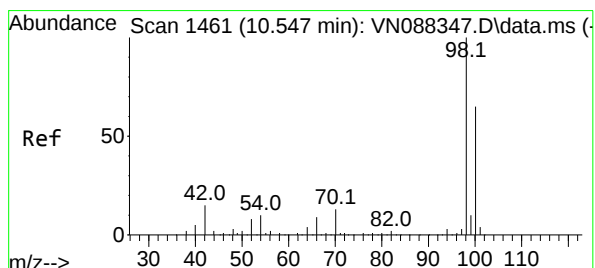
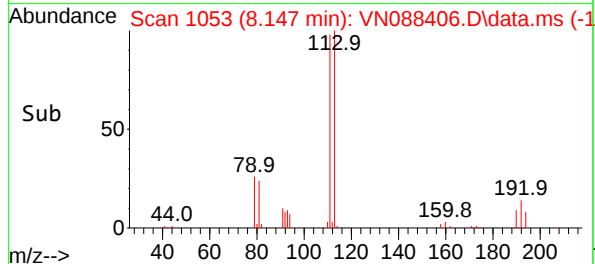
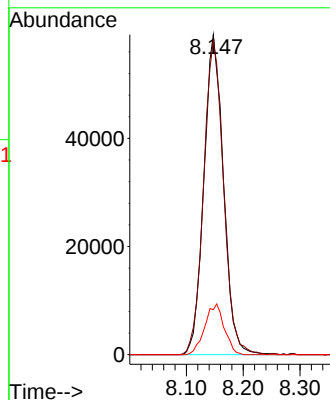
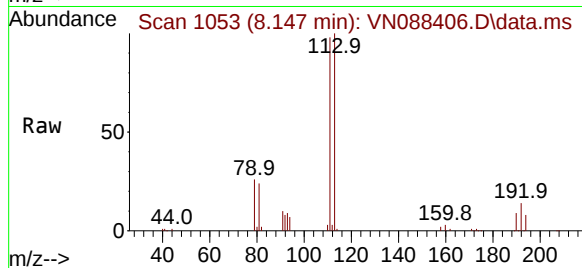
192 15.7 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#50

Toluene-d8

Concen: 50.294 ug/l

RT: 10.541 min Scan# 1460

Delta R.T. -0.006 min

Lab File: VN088406.D

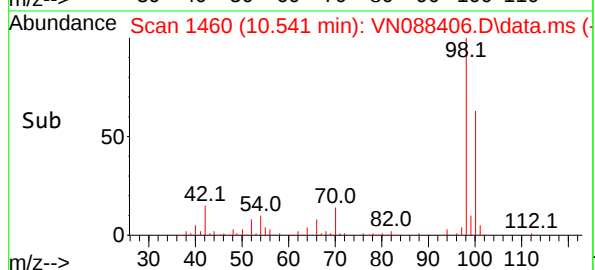
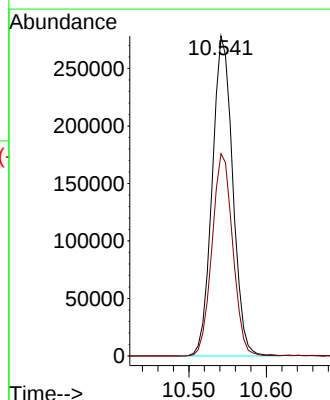
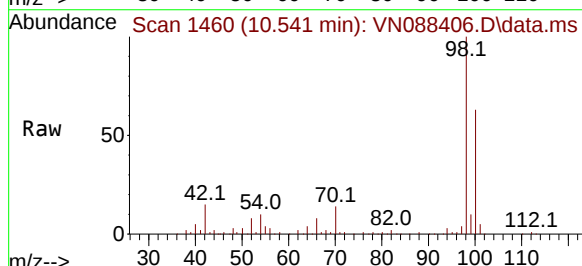
Acq: 02 Dec 2025 13:36

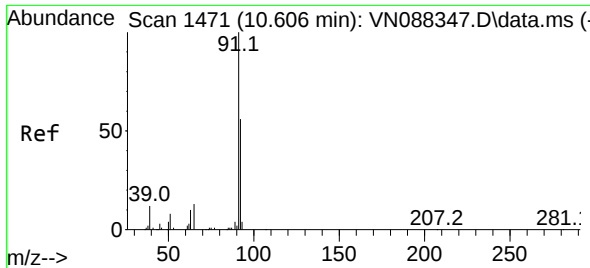
Tgt Ion: 98 Resp: 512041

Ion Ratio Lower Upper

98 100

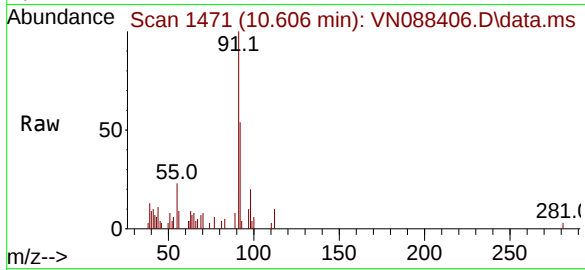
100 63.8 52.2 78.2





#52
Toluene
Concen: 0.859 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

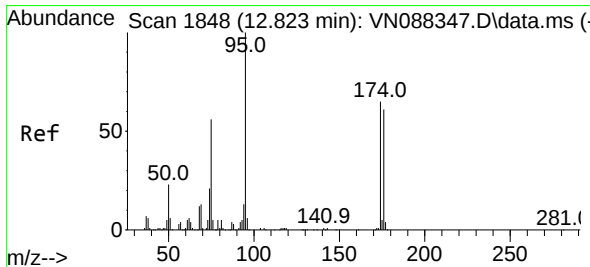
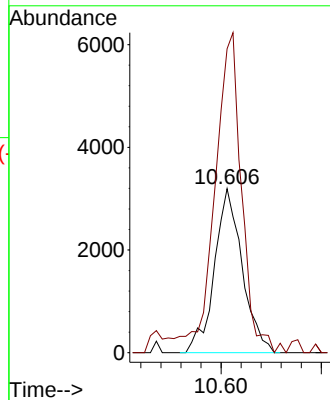
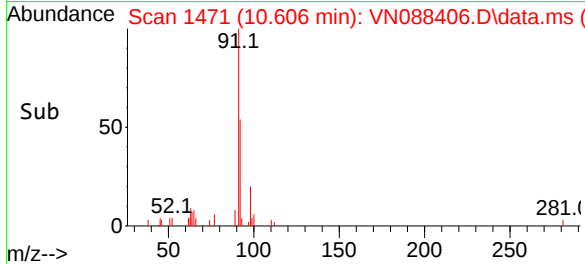
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion: 92 Resp: 6149
Ion Ratio Lower Upper
92 100
91 187.5 140.2 210.2

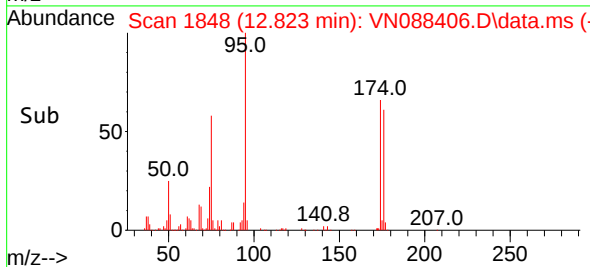
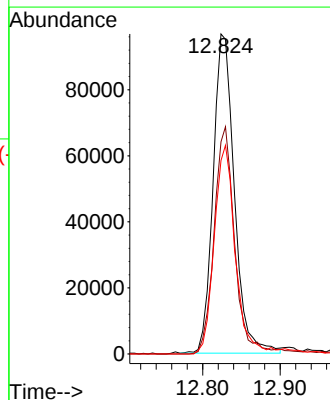
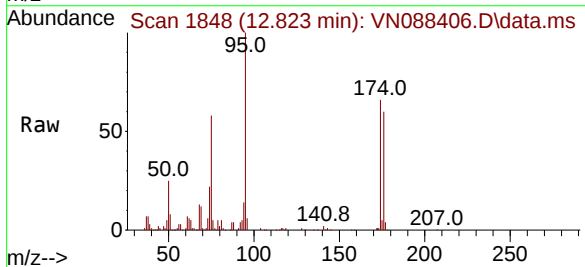
Manual Integrations
APPROVED

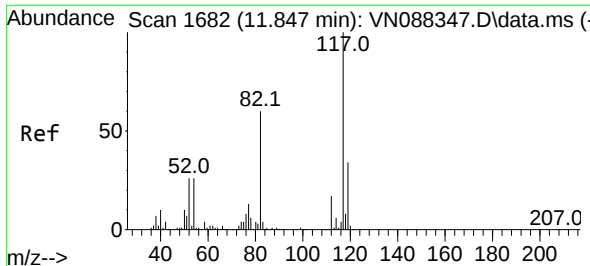
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#62
4-Bromofluorobenzene
Concen: 52.651 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

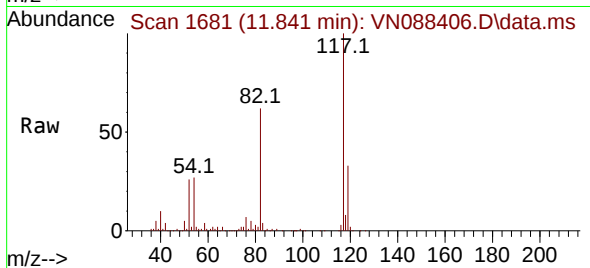
Tgt Ion: 95 Resp: 183923
Ion Ratio Lower Upper
95 100
174 69.5 0.0 139.0
176 64.8 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

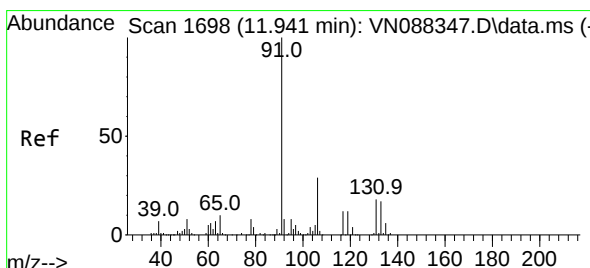
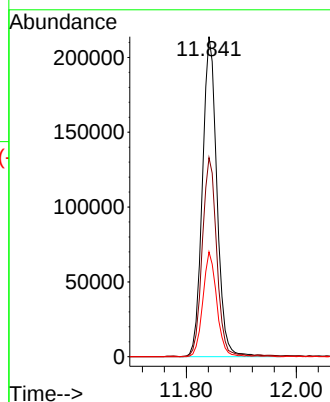
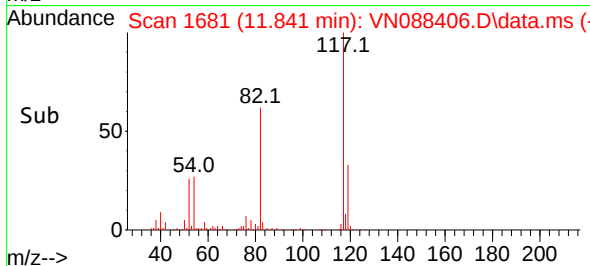
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion: 117 Resp: 392570
Ion Ratio Lower Upper
117 100
82 62.2 47.8 71.8
119 32.8 26.9 40.3

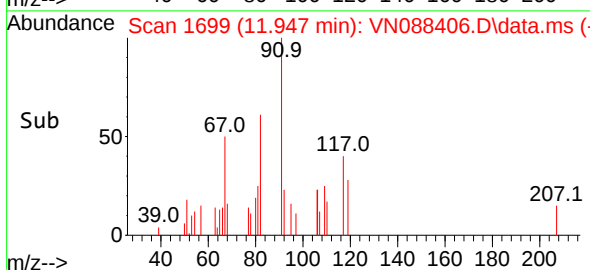
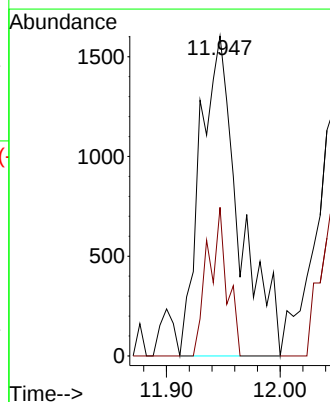
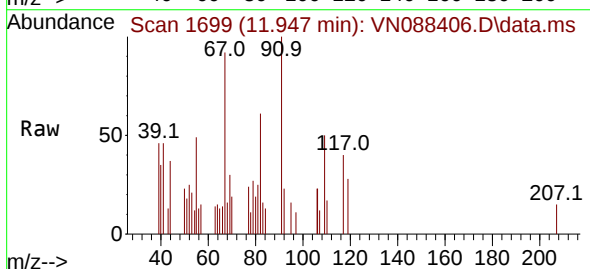
Manual Integrations
APPROVED

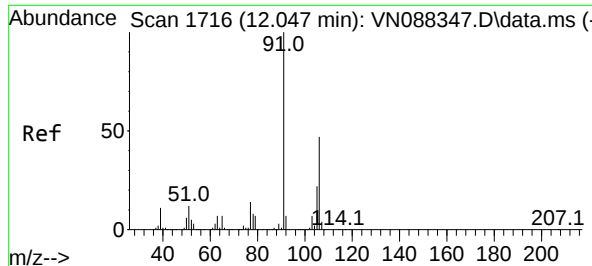
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#67
Ethyl Benzene
Concen: 0.248 ug/l
RT: 11.947 min Scan# 1699
Delta R.T. 0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

Tgt Ion: 91 Resp: 3817
Ion Ratio Lower Upper
91 100
106 46.4 23.6 35.4#





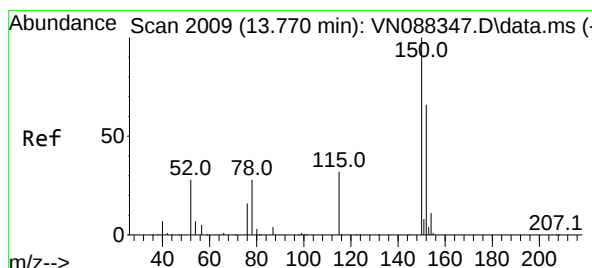
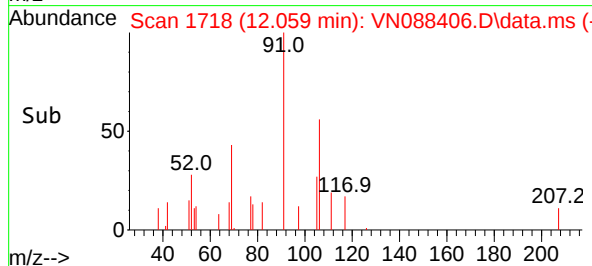
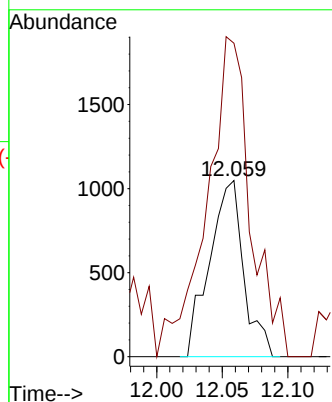
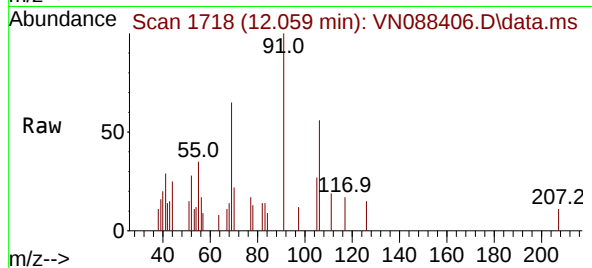
#68
m/p-Xylenes
Concen: 0.332 ug/l
RT: 12.059 min Scan# 1716
Delta R.T. 0.012 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

Instrument :
MSVOA_N
ClientSampleId :
MW4

Tgt Ion:106 Resp: 189
Ion Ratio Lower Upper
106 100
91 225.1 167.8 251.6

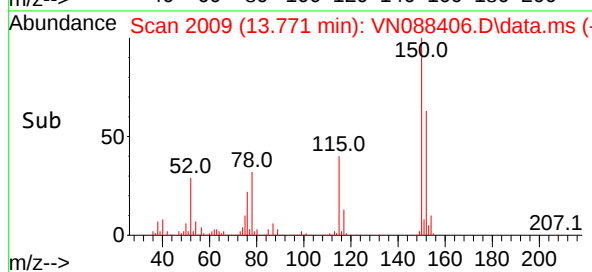
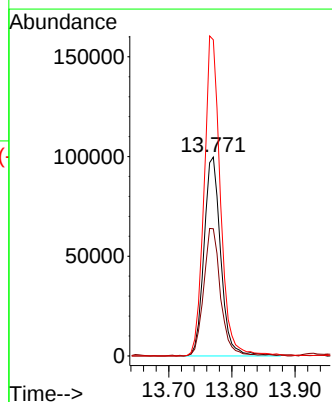
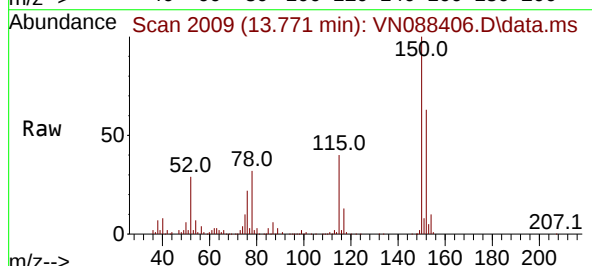
Manual Integrations
APPROVED

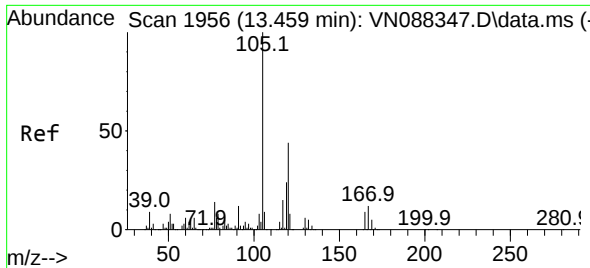
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

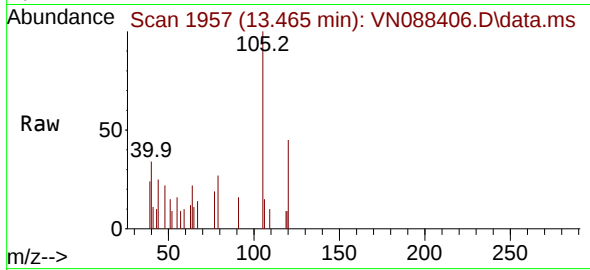
Tgt Ion:152 Resp: 184143
Ion Ratio Lower Upper
152 100
115 64.4 33.0 98.9
150 157.2 0.0 349.0





#84
1,2,4-Trimethylbenzene
Concen: 0.333 ug/l
RT: 13.465 min Scan# 1956
Delta R.T. 0.006 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

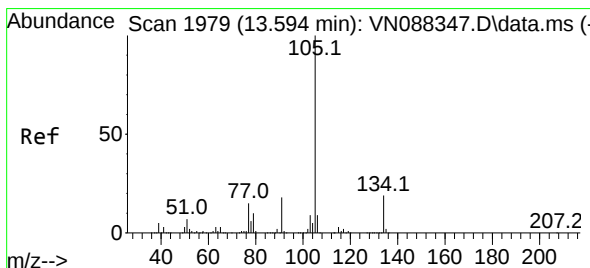
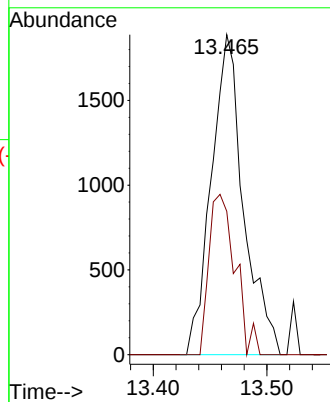
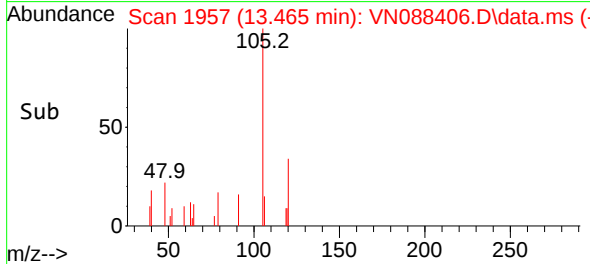
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion:105 Resp: 3729
Ion Ratio Lower Upper
105 100
120 40.7 22.1 66.1

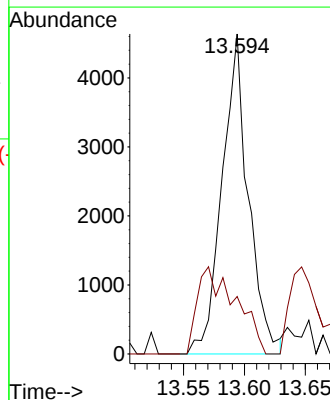
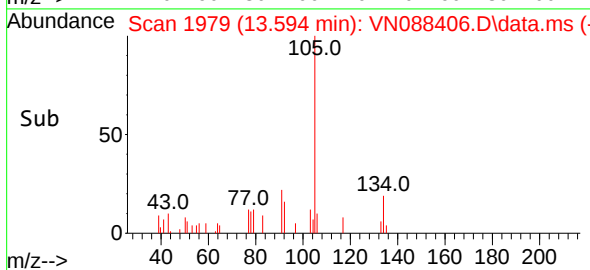
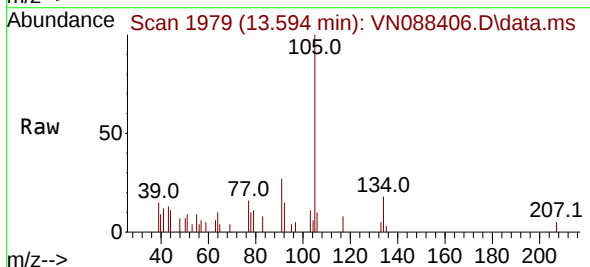
Manual Integrations
APPROVED

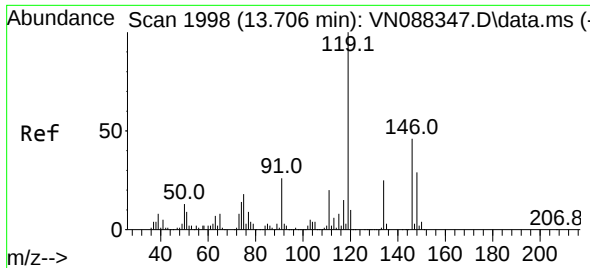
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#85
sec-Butylbenzene
Concen: 0.506 ug/l
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

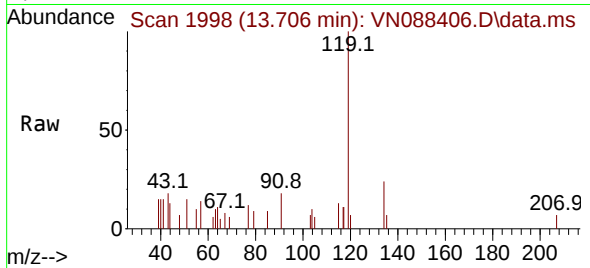
Tgt Ion:105 Resp: 6972
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





#86
p-Isopropyltoluene
Concen: 0.493 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

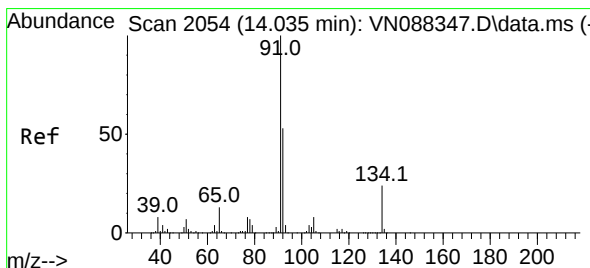
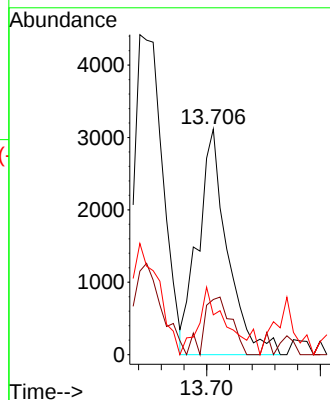
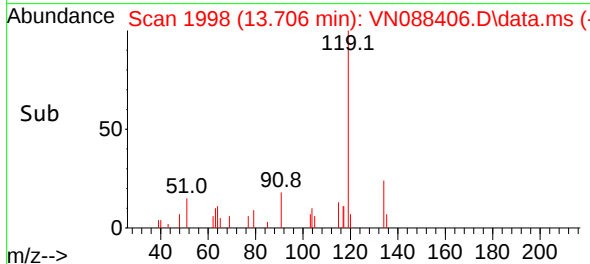
Instrument :
MSVOA_N
ClientSampleId :
MW4



Tgt Ion: 119 Resp: 5574
Ion Ratio Lower Upper
119 100
134 23.6 12.2 36.6
91 28.7 13.0 39.0

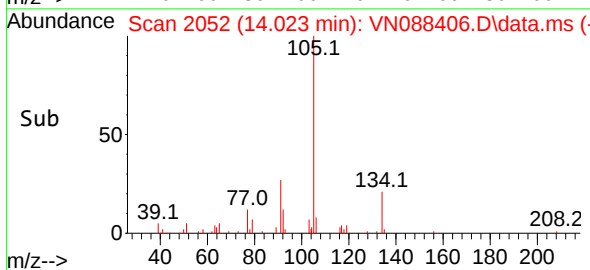
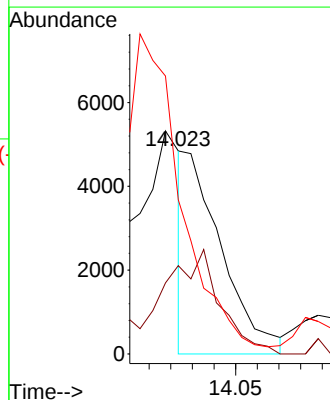
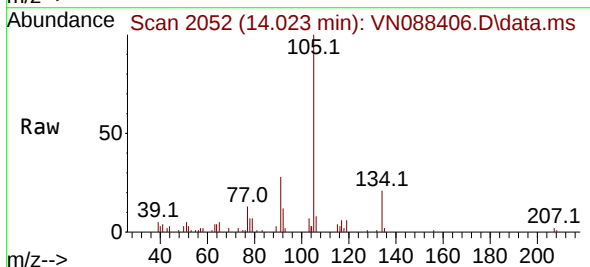
Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#89
n-Butylbenzene
Concen: 0.516 ug/l m
RT: 14.023 min Scan# 2052
Delta R.T. -0.012 min
Lab File: VN088406.D
Acq: 02 Dec 2025 13:36

Tgt Ion: 91 Resp: 5663
Ion Ratio Lower Upper
91 100
92 0.0 26.1 78.3#
134 238.4 11.7 35.1#



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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: VN088406.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	2.136	26	31	37	rBV	10455	19648	1.24%	0.130%
2	3.271	214	224	234	rBV3	15989	36242	2.29%	0.240%
3	4.424	412	420	432	rVB6	8013	26518	1.67%	0.176%
4	5.259	553	562	564	rBV2	18888	38953	2.46%	0.258%
5	5.806	639	655	666	rBV4	36349	126444	7.98%	0.837%
6	7.206	882	893	903	rBV3	41651	120523	7.60%	0.798%
7	7.412	917	928	934	rBV	7237	21735	1.37%	0.144%
8	7.477	934	939	944	rVB6	7982	20632	1.30%	0.137%
9	7.983	1019	1025	1034	rVB3	7565	17834	1.12%	0.118%
10	8.147	1043	1053	1058	rBV2	197913	483701	30.51%	3.203%
11	8.206	1058	1063	1072	rVV2	272344	609723	38.46%	4.037%
12	8.306	1072	1080	1090	rVB2	72017	181837	11.47%	1.204%
13	8.430	1092	1101	1107	rBV3	28159	64245	4.05%	0.425%
14	8.559	1114	1123	1136	rVV	219269	506753	31.96%	3.355%
15	8.741	1138	1154	1166	rVV	379226	1071274	67.57%	7.093%
16	8.836	1166	1170	1179	rVB7	10033	21920	1.38%	0.145%
17	9.083	1203	1212	1224	rBV	489453	1034956	65.28%	6.853%
18	9.547	1282	1291	1292	rBV4	31536	57954	3.66%	0.384%
19	9.618	1298	1303	1310	rVB2	41618	83873	5.29%	0.555%
20	9.706	1312	1318	1323	rVV2	33194	70534	4.45%	0.467%
21	9.847	1331	1342	1350	rBV4	26351	64754	4.08%	0.429%
22	9.994	1358	1367	1378	rBV	369836	755936	47.68%	5.005%
23	10.124	1378	1389	1401	rVV	505675	1063746	67.10%	7.043%
24	10.212	1401	1404	1412	rVB6	19551	37920	2.39%	0.251%
25	10.312	1412	1421	1434	rBV2	42611	122417	7.72%	0.811%
26	10.471	1440	1448	1453	rBV2	45331	82218	5.19%	0.544%
27	10.541	1453	1460	1478	rVV	812081	1585347	100.00%	10.497%
28	10.671	1478	1482	1485	rVV5	15343	28370	1.79%	0.188%
29	10.718	1485	1490	1497	rVB7	27693	70315	4.44%	0.466%
30	10.888	1514	1519	1525	rBV6	14892	29065	1.83%	0.192%
31	10.982	1525	1535	1541	rBV6	45754	116577	7.35%	0.772%
32	11.212	1568	1574	1576	rBV4	11761	19063	1.20%	0.126%
33	11.359	1595	1599	1604	rBV5	12009	25468	1.61%	0.169%
34	11.441	1609	1613	1618	rVV8	9951	17781	1.12%	0.118%
35	11.494	1618	1622	1627	rVV8	10800	19323	1.22%	0.128%
36	11.612	1635	1642	1646	rBV7	9313	17600	1.11%	0.117%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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

37	11.653	1646	1649	1656	rVB5	12109	24618	1.55%	0.163%
38	11.729	1656	1662	1668	rBV3	9580	19249	1.21%	0.127%
39	11.841	1674	1681	1693	rBV	739084	1358183	85.67%	8.993%
40	11.935	1694	1697	1702	rVV6	10947	22048	1.39%	0.146%
41	12.347	1762	1767	1771	rBV4	9628	17849	1.13%	0.118%
42	12.829	1841	1849	1859	rBV	494290	942924	59.48%	6.243%
43	12.906	1860	1862	1869	rVB6	12862	18935	1.19%	0.125%
44	13.576	1970	1976	1978	rBV2	14709	26054	1.64%	0.173%
45	13.647	1984	1988	1993	rVB2	15954	23583	1.49%	0.156%
46	13.771	2002	2009	2023	rVB	693577	1268102	79.99%	8.396%
47	13.929	2029	2036	2038	rBV2	36682	62945	3.97%	0.417%
48	13.959	2038	2041	2045	rVV	40583	65847	4.15%	0.436%
49	14.012	2045	2050	2059	rVB2	80149	156601	9.88%	1.037%
50	14.094	2059	2064	2069	rVB8	12194	23725	1.50%	0.157%
51	14.159	2069	2075	2081	rBV2	41354	75233	4.75%	0.498%
52	14.247	2081	2090	2095	rBV	56925	107193	6.76%	0.710%
53	14.306	2095	2100	2107	rVB	97218	159344	10.05%	1.055%
54	14.412	2110	2118	2124	rBV5	62975	135212	8.53%	0.895%
55	14.482	2127	2130	2136	rVB6	18517	30787	1.94%	0.204%
56	14.547	2136	2141	2146	rVB3	19008	29840	1.88%	0.198%
57	14.629	2146	2155	2160	rBV2	75611	149590	9.44%	0.990%
58	14.706	2163	2168	2173	rVV	109224	173508	10.94%	1.149%
59	14.747	2173	2175	2179	rVV2	22262	25896	1.63%	0.171%
60	14.853	2188	2193	2197	rVV3	66909	103157	6.51%	0.683%
61	14.912	2197	2203	2204	rVV5	29540	49706	3.14%	0.329%
62	14.941	2205	2208	2213	rVB3	49269	76967	4.85%	0.510%
63	15.000	2213	2218	2223	rBV2	64432	134170	8.46%	0.888%
64	15.070	2226	2230	2238	rVB	51286	91603	5.78%	0.607%
65	15.206	2249	2253	2256	rBV4	14666	24402	1.54%	0.162%
66	15.294	2256	2268	2272	rBV2	138799	331999	20.94%	2.198%
67	15.412	2281	2288	2301	rVB4	97064	244774	15.44%	1.621%
68	15.570	2308	2315	2320	rBV9	18466	51410	3.24%	0.340%
69	15.717	2335	2340	2345	rVV4	29643	63041	3.98%	0.417%
70	15.776	2345	2350	2365	rVB7	29456	90113	5.68%	0.597%
71	15.917	2367	2374	2381	rBV4	32808	73225	4.62%	0.485%
72	16.088	2396	2403	2407	rBV7	17499	45733	2.88%	0.303%
73	16.223	2420	2426	2432	rVB6	18511	33887	2.14%	0.224%
74	16.288	2432	2437	2446	rBV4	18745	53738	3.39%	0.356%
75	16.459	2459	2466	2472	rBV10	10315	29815	1.88%	0.197%
76	16.676	2500	2503	2510	rVB8	9824	16976	1.07%	0.112%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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_N\methods\82N112425W.M

Title : SW846 8260

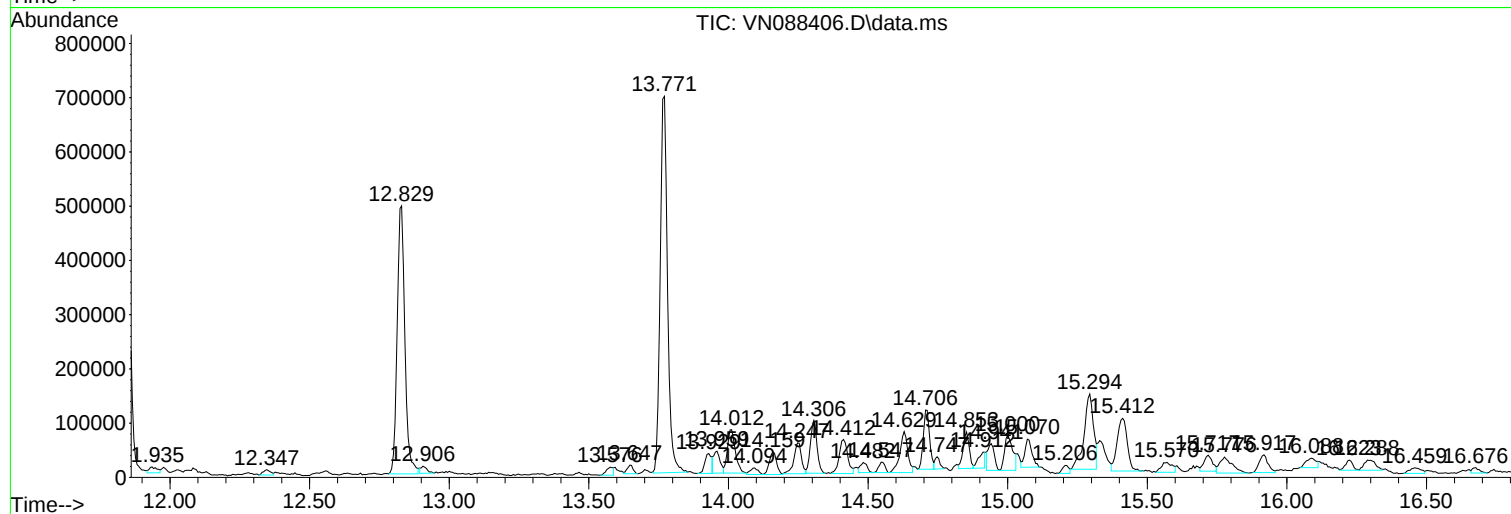
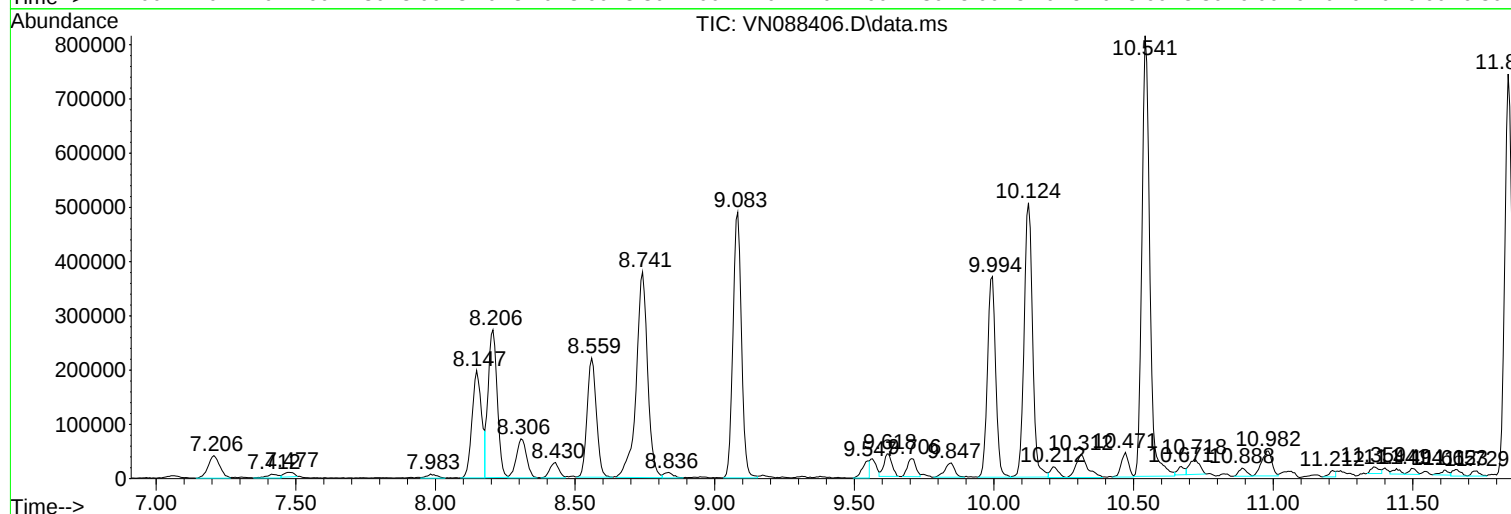
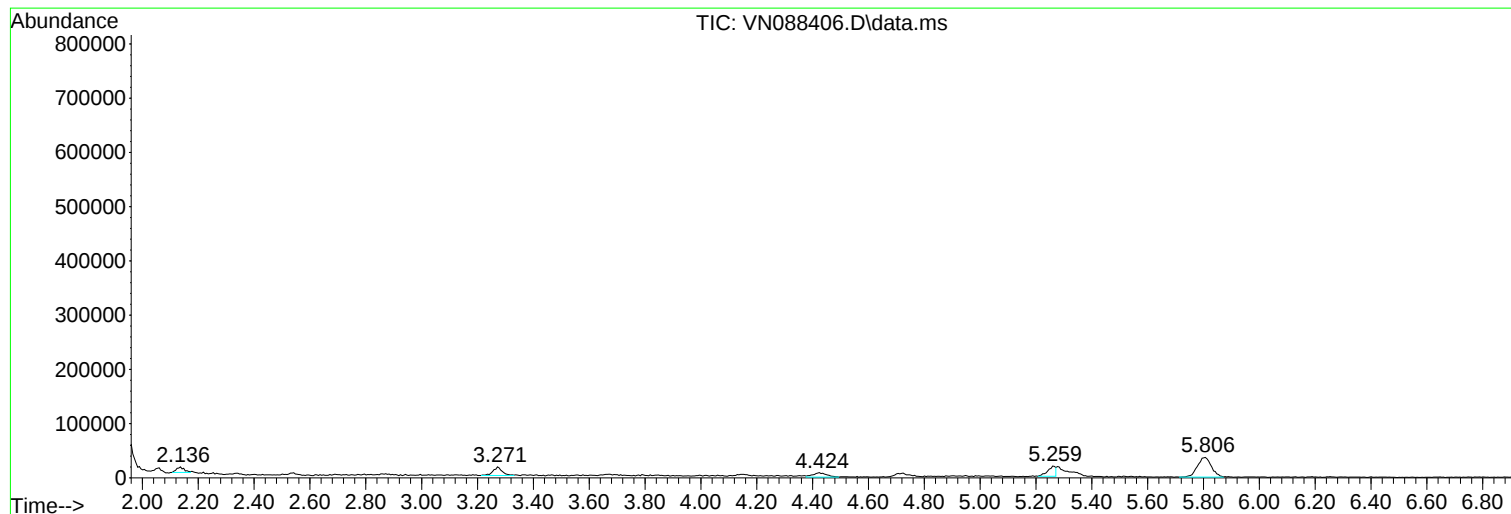
Sum of corrected areas: 15103181

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

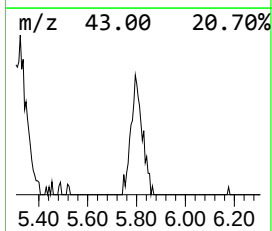
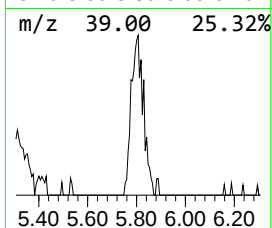
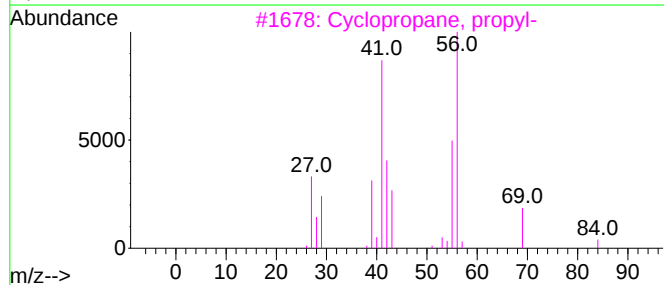
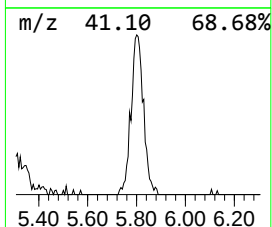
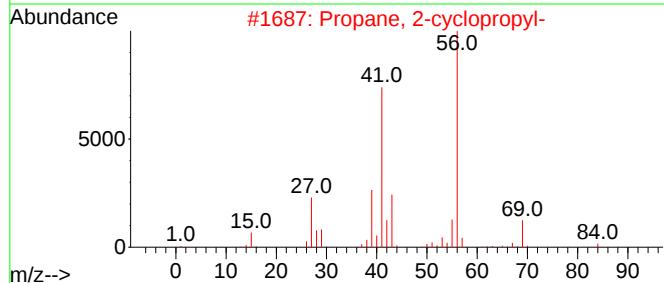
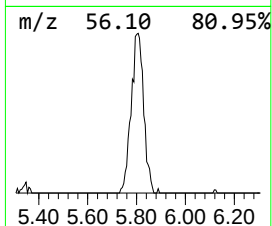
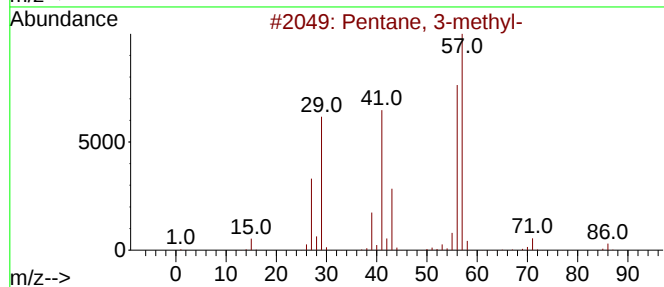
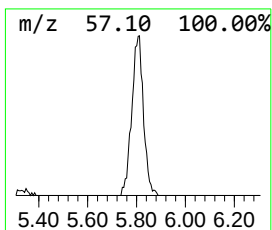
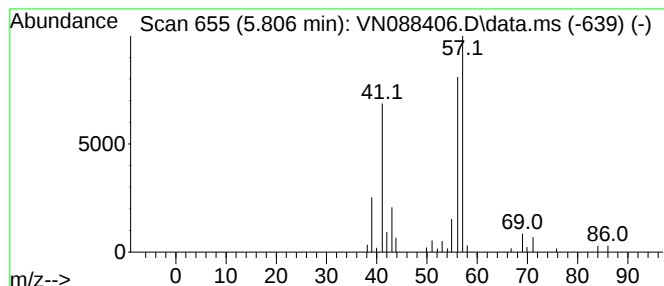
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 1 Pentane, 3-methyl- Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.806	10.37 ug/l	126444	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	86
2			Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	59
3			Cyclopropane, propyl-	84	C6H12	002415-72-7	50
4			Cyclobutane, ethyl-	84	C6H12	004806-61-5	42
5			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

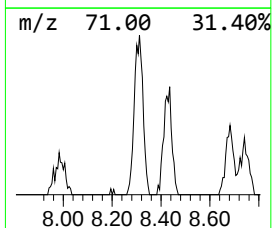
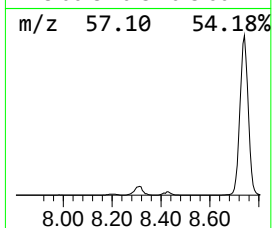
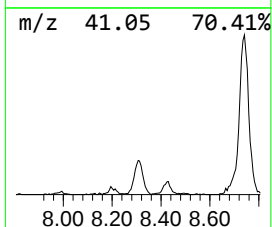
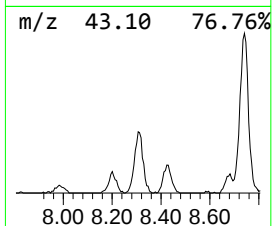
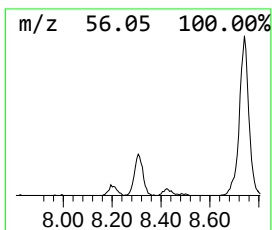
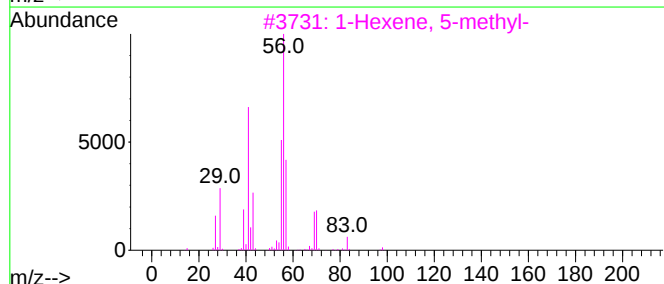
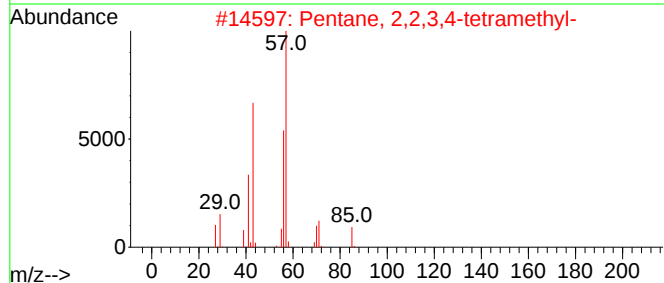
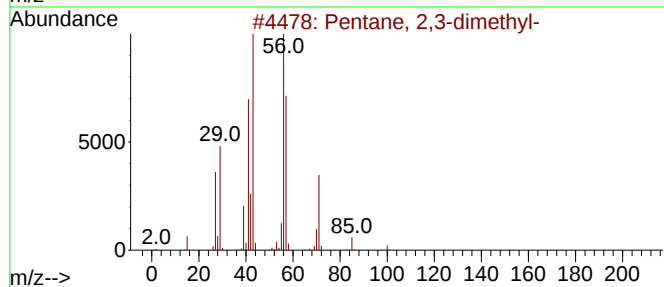
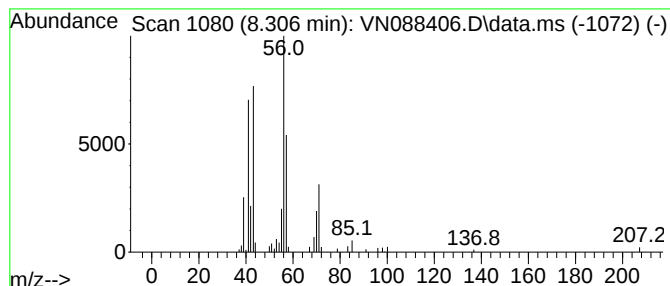
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 3 Pentane, 2,3-dimethyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
8.306	14.91 ug/l	181837	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3-dimethyl-	100	C7H16	000565-59-3	91
2			Pentane, 2,2,3,4-tetramethyl-	128	C9H20	001186-53-4	50
3			1-Hexene, 5-methyl-	98	C7H14	003524-73-0	49
4			Aziridine, 2-methyl-	57	C3H7N	000075-55-8	47
5			Cyclopentane, 1,1-dimethyl-	98	C7H14	001638-26-2	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

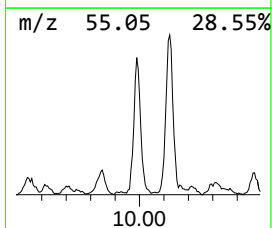
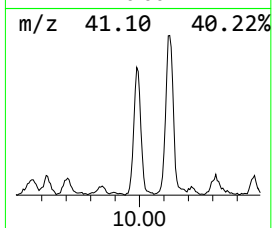
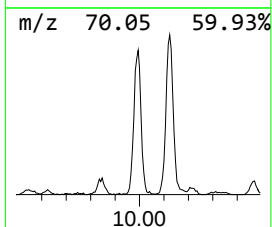
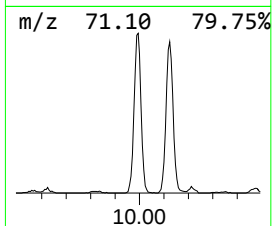
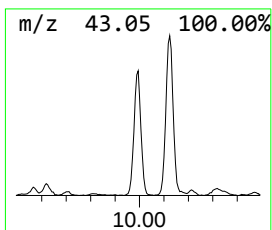
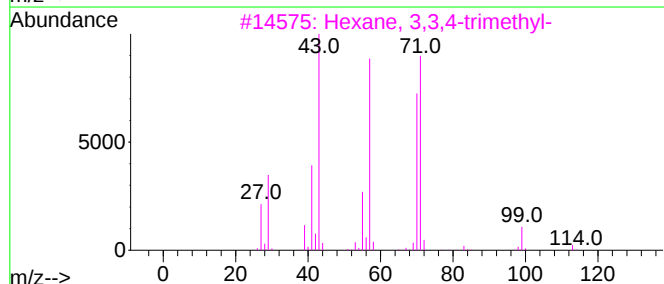
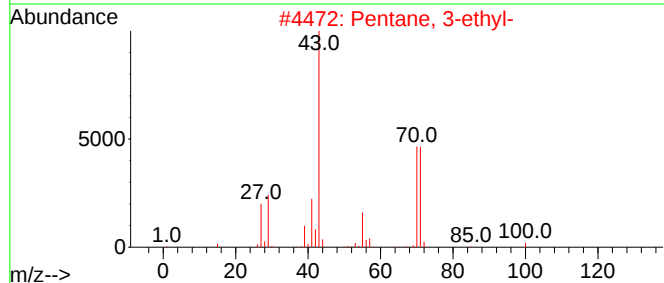
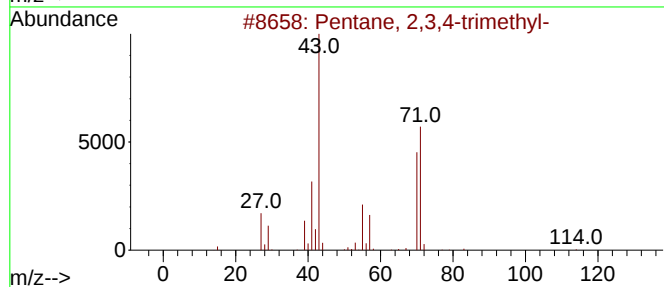
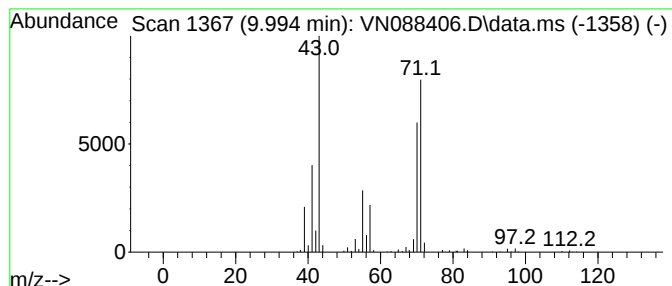
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 6 Pentane, 2,3,4-trimethyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
9.994	36.52 ug/l	755936	1,4-Difluorobenzene	9.083

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 2,3,4-trimethyl-	114	C8H18	000565-75-3	90
2			Pentane, 3-ethyl-	100	C7H16	000617-78-7	83
3			Hexane, 3,3,4-trimethyl-	128	C9H20	016747-31-2	74
4			Heptane, 4-methyl-	114	C8H18	000589-53-7	74
5			Decane, 3,3,4-trimethyl-	184	C13H28	049622-18-6	74



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

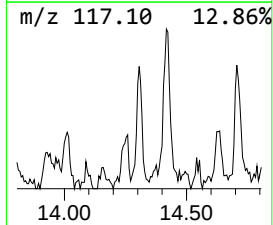
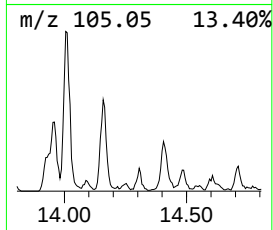
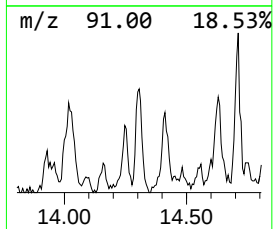
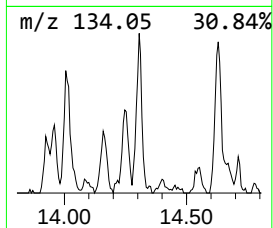
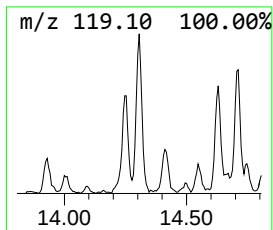
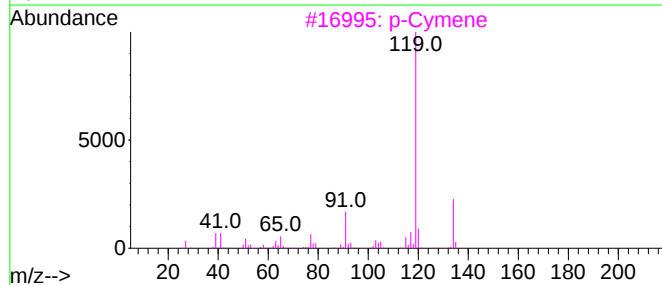
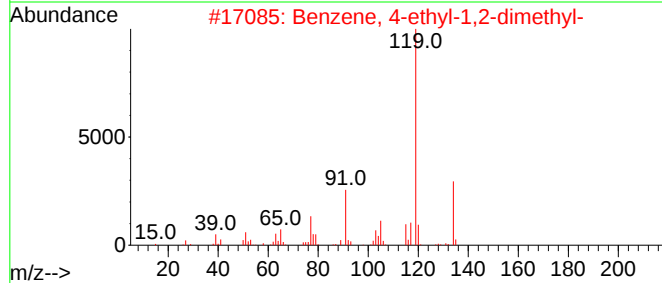
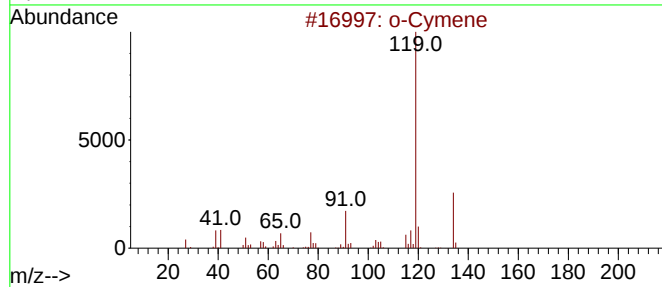
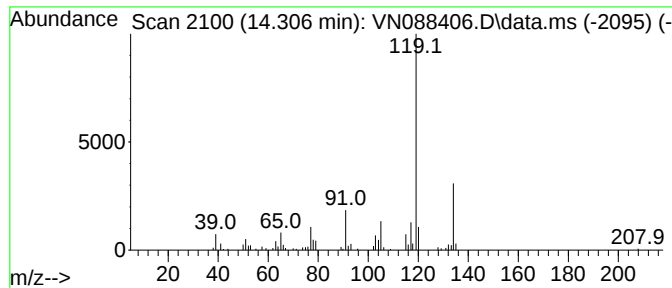
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 9 o-Cymene Concentration Rank 10

R.T.	EstConc	Area	Relative to ISTD	R.T.
14.306	6.28 ug/l	159344	1,4-Dichlorobenzene-d4	13.771

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			o-Cymene	134	C10H14	000527-84-4	95
2			Benzene, 4-ethyl-1,2-dimethyl-	134	C10H14	000934-80-5	95
3			p-Cymene	134	C10H14	000099-87-6	94
4			Benzene, 1-methyl-3-(1-methyleth...	134	C10H14	000535-77-3	94
5			Benzene, 1-ethyl-2,3-dimethyl-	134	C10H14	000933-98-2	94



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

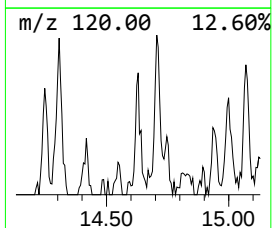
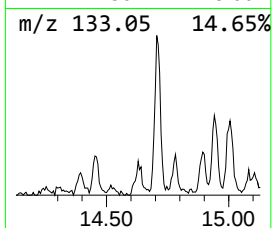
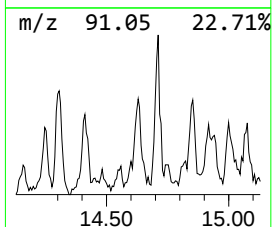
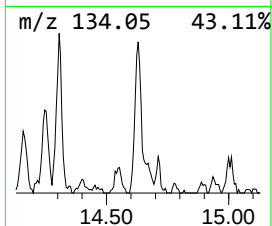
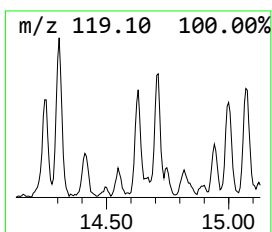
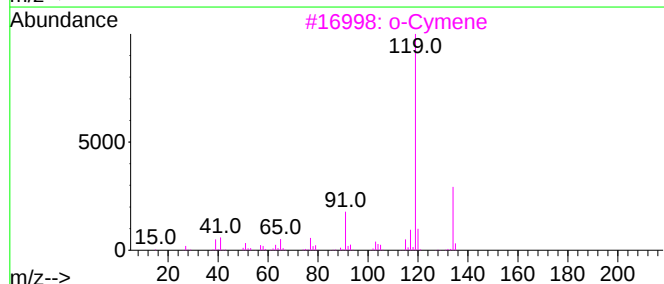
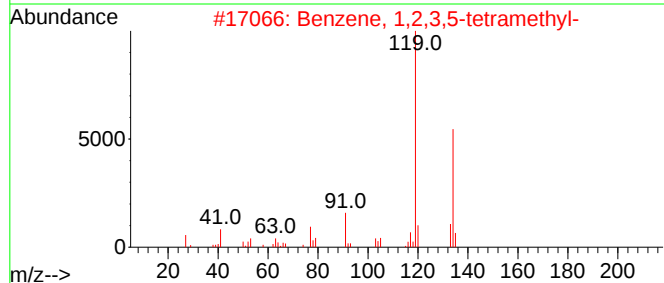
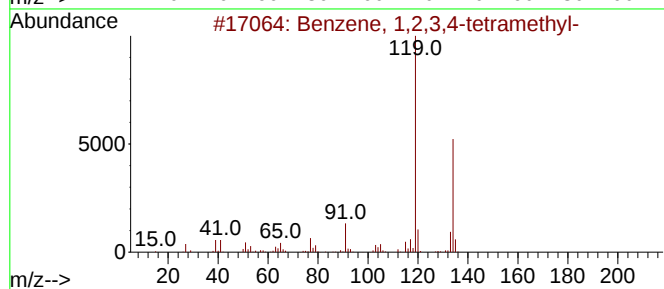
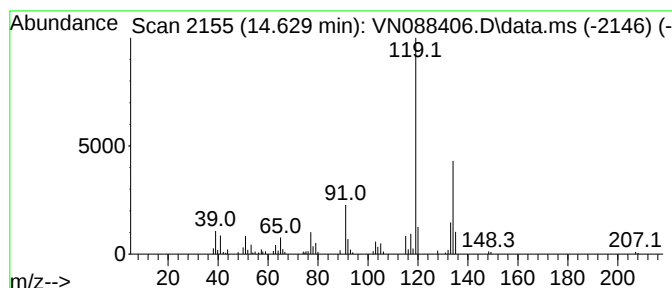
Instrument :
MSVOA_N
ClientSampleId :
MW4

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 11 Benzene, 1,2,3,4-tetramethyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD		R.T.	
14.629	5.90 ug/l	149590	1,4-Dichlorobenzene-d4		13.771	
Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		Benzene, 1,2,3,4-tetramethyl-	134	C10H14	000488-23-3	94
2		Benzene, 1,2,3,5-tetramethyl-	134	C10H14	000527-53-7	94
3		o-Cymene	134	C10H14	000527-84-4	93
4		1,3-Cyclopentadiene, 1,2,3,4-tet...	134	C10H14	076089-59-3	93
5		Benzene, 1,2,4,5-tetramethyl-	134	C10H14	000095-93-2	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

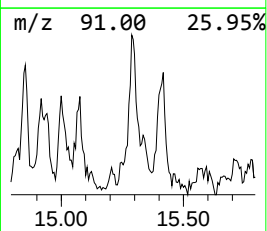
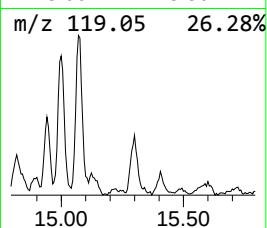
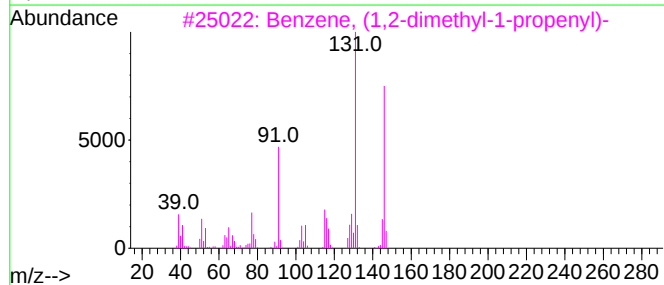
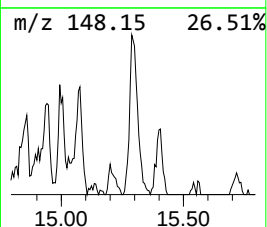
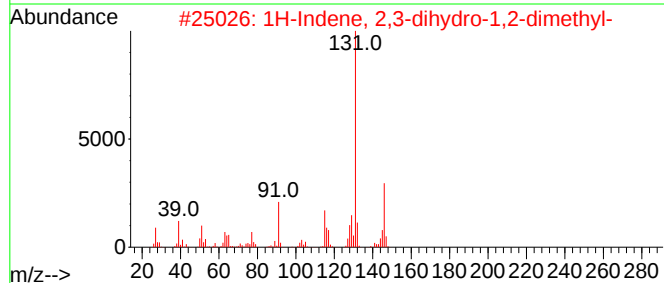
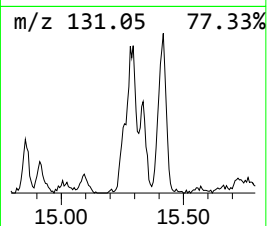
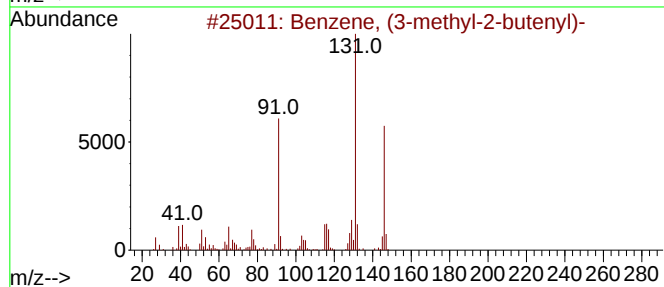
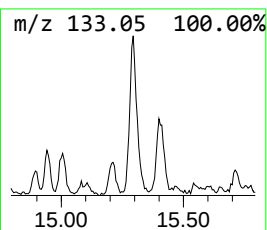
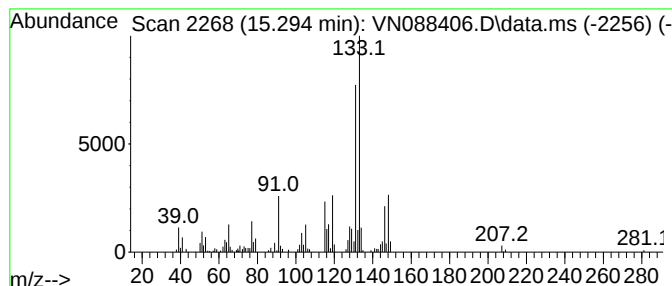
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, (3-methyl-2-butenyl)- Concentration Rank 5

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.294	13.09 ug/l	331999	1,4-Dichlorobenzene-d4	13.771

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, (3-methyl-2-butenyl)-	146	C11H14	004489-84-3	90
2			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	86
3			Benzene, (1,2-dimethyl-1-propenyl)-	146	C11H14	000769-57-3	64
4			Benzene, 1-ethyl-4-(1-methylethyl)-	148	C11H16	004218-48-8	50
5			1H-Indene, 2,3-dihydro-1,3-dimet...	146	C11H14	004175-53-5	50



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

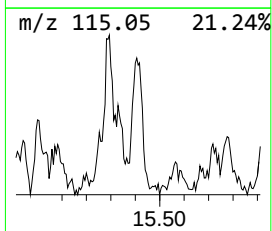
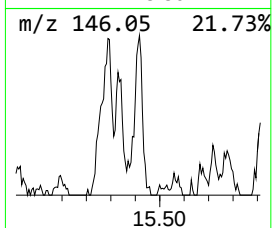
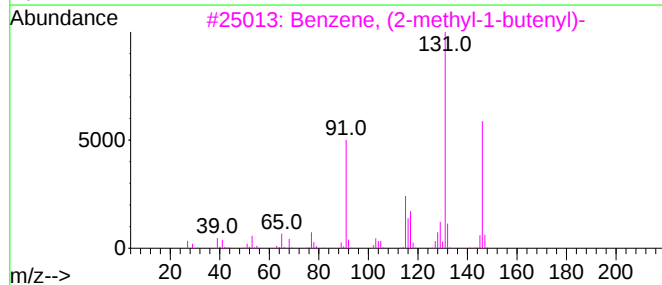
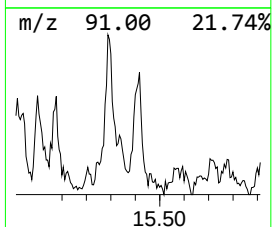
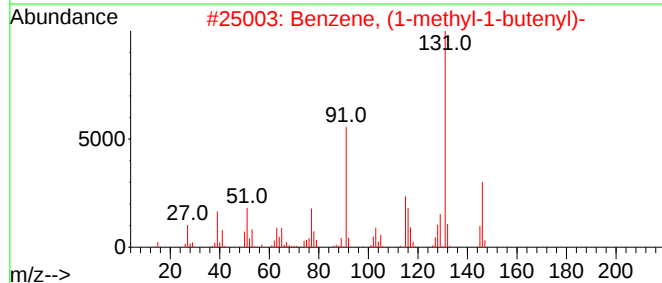
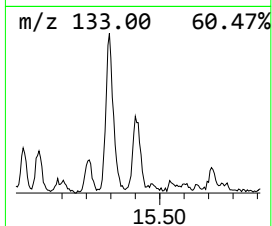
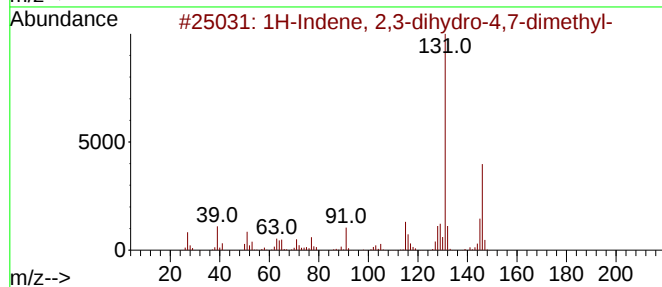
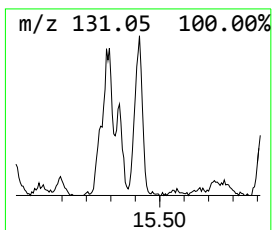
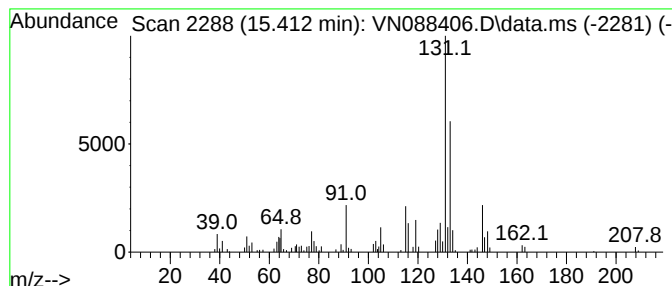
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 15 1H-Indene, 2,3-dihydro-4,7-... Concentration Rank 8

R.T.	EstConc	Area	Relative to ISTD	R.T.
15.412	9.65 ug/l	244774	1,4-Dichlorobenzene-d4	13.771

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			1H-Indene, 2,3-dihydro-4,7-dimet...	146	C11H14	006682-71-9	92
2			Benzene, (1-methyl-1-butenyl)-	146	C11H14	053172-84-2	91
3			Benzene, (2-methyl-1-butenyl)-	146	C11H14	056253-64-6	91
4			1H-Indene, 2,3-dihydro-1,2-dimet...	146	C11H14	017057-82-8	64
5			Bicyclo[4.2.0]octa-1,3,5-triene,...	146	C11H14	027087-54-3	64



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088406.D
Acq On : 02 Dec 2025 13:36
Operator : JC\MD
Sample : Q3716-03
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 13 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW4

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
Pentane, 3-methyl-	5.806	10.4	ug/l	126444	1	8.206	609723	50.0
Pentane, 2,3-di...	8.306	14.9	ug/l	181837	1	8.206	609723	50.0
Pentane, 2,3,4-...	9.994	36.5	ug/l	755936	2	9.083	1034960	50.0
o-Cymene	14.306	6.3	ug/l	159344	4	13.771	1268100	50.0
Benzene, 1,2,3,...	14.629	5.9	ug/l	149590	4	13.771	1268100	50.0
Benzene, (3-met...	15.294	13.1	ug/l	331999	4	13.771	1268100	50.0
1H-Indene, 2,3-...	15.412	9.7	ug/l	244774	4	13.771	1268100	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
 Data File : VN088379.D
 Acq On : 01 Dec 2025 13:52
 Operator : JC\MD
 Sample : Q3716-04 10X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW7

Manual Integrations APPROVED

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

Quant Time: Dec 02 00:13:45 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	191077	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	409524	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	398646	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	206355	50.000	ug/l	# 0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	190583	52.947	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 105.900%			
35) Dibromofluoromethane	8.147	113	143748	50.651	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.300%			
50) Toluene-d8	10.541	98	533344	50.508	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 101.020%			
62) 4-Bromofluorobenzene	12.829	95	216607	59.784	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 119.560%			
Target Compounds						
					Qvalue	
31) Cyclohexane	8.236	56	328913	69.480	ug/l #	92
39) Methylcyclohexane	9.577	83	336127	71.746	ug/l	91
40) Benzene	8.588	78	2876097	223.732	ug/l	99
52) Toluene	10.606	92	10550086	1421.311	ug/l	90
67) Ethyl Benzene	11.941	91	7539640	481.754	ug/l	99
68) m/p-Xylenes	12.047	106	13748388	2369.332	ug/l #	1
69) o-Xylene	12.376	106	5054489	913.674	ug/l	99
73) Isopropylbenzene	12.671	105	356793	23.385	ug/l	100
78) n-propylbenzene	13.012	91	1699094	91.027	ug/l	100
80) 1,3,5-Trimethylbenzene	13.147	105	2914167	230.496	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	10724506	853.409	ug/l	99
85) sec-Butylbenzene	13.594	105	99221m	6.426	ug/l	
86) p-Isopropyltoluene	13.706	119	48795	3.854	ug/l #	72
89) n-Butylbenzene	14.029	91	172834	14.059	ug/l #	72

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

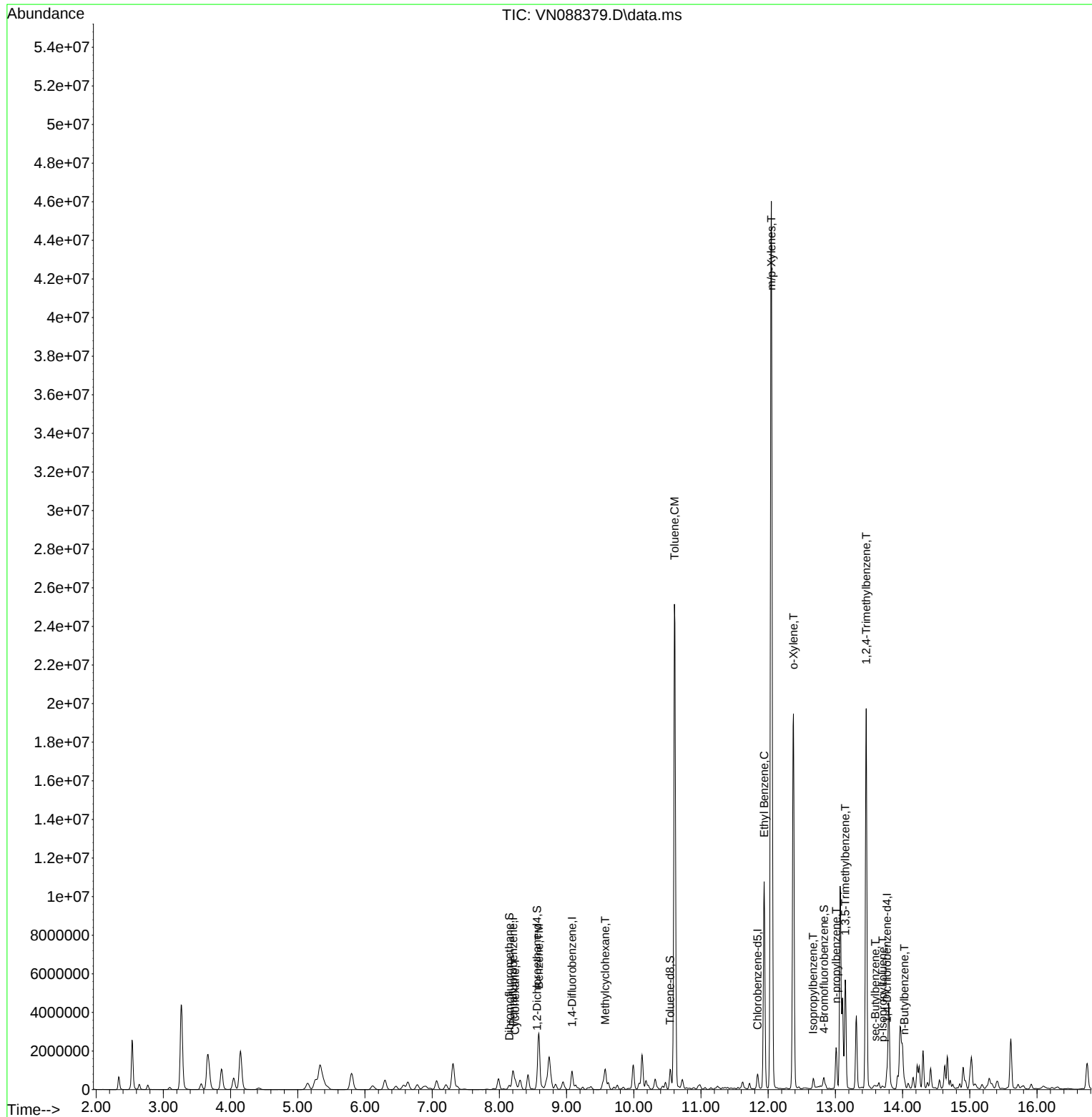
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

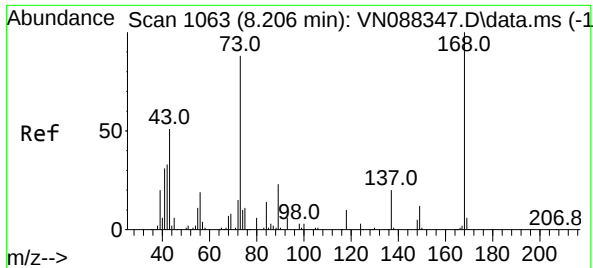
Instrument :
MSVOA_N
ClientSampleId :
MW7

Manual Integrations
APPROVED

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

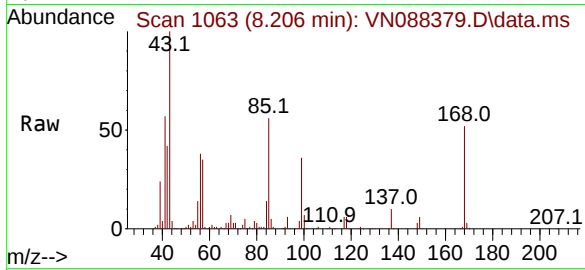
Quant Time: Dec 02 00:13:45 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

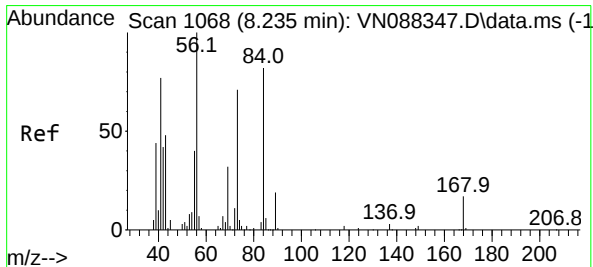
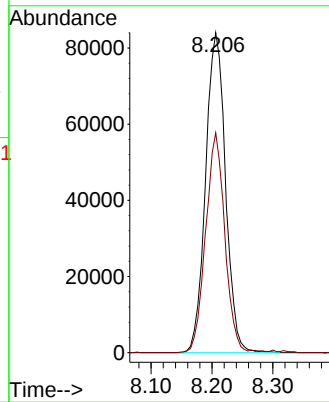
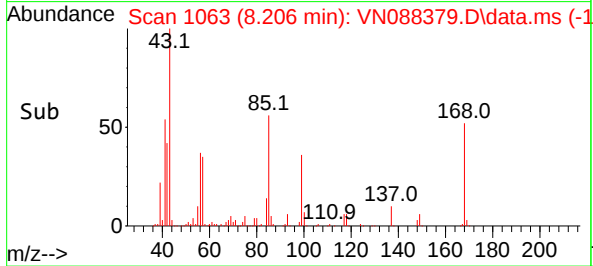
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 168 Resp: 19107
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7

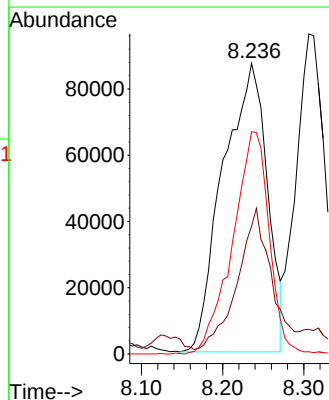
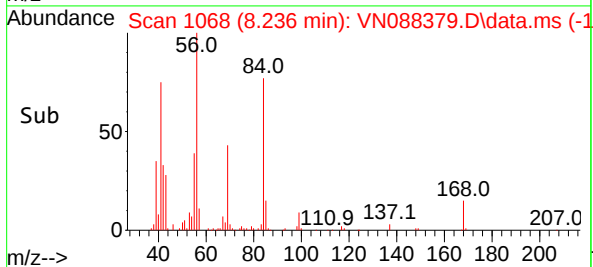
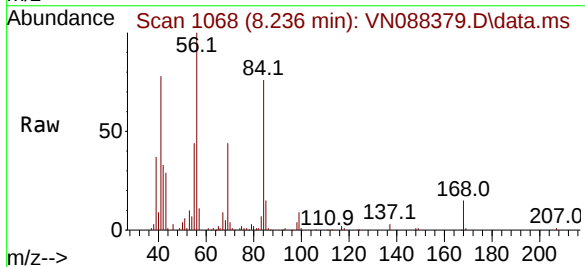
Manual Integrations
APPROVED

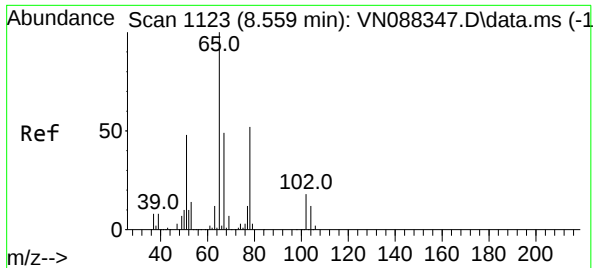
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#31
Cyclohexane
Concen: 69.480 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion: 56 Resp: 328913
Ion Ratio Lower Upper
56 100
69 39.0 25.3 37.9#
84 76.8 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 52.947 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

MW7

Tgt Ion: 65 Resp: 19058

Ion Ratio Lower Upper

65 100

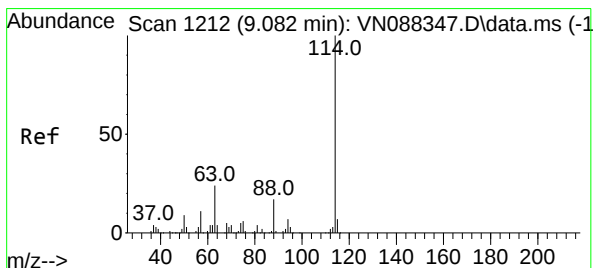
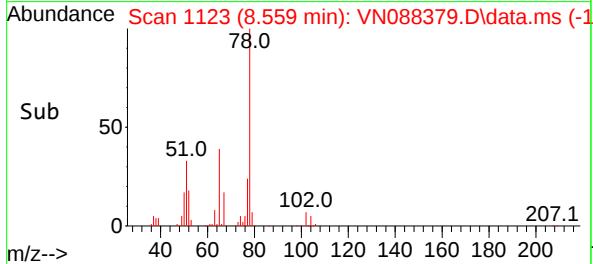
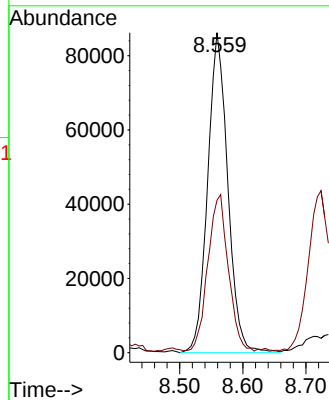
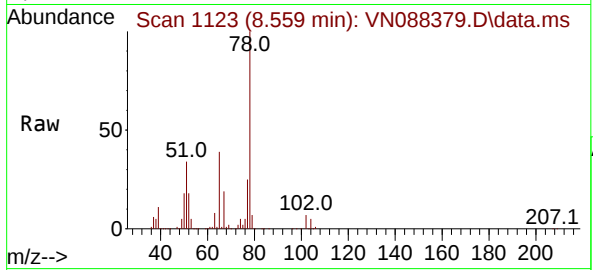
67 49.8 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

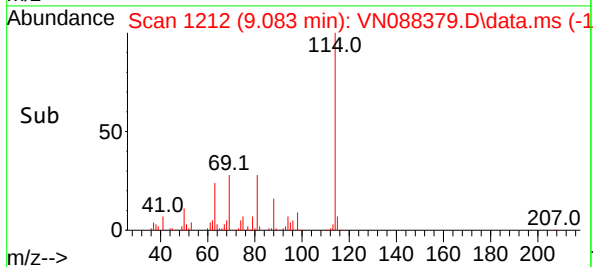
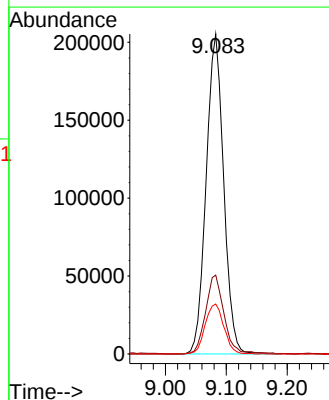
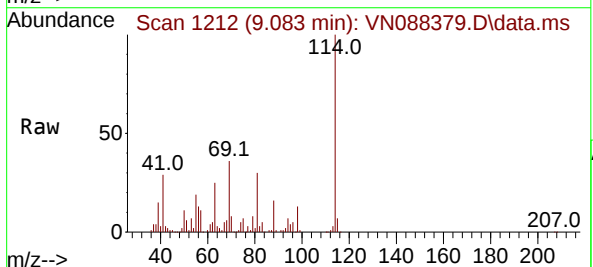
Tgt Ion:114 Resp: 409524

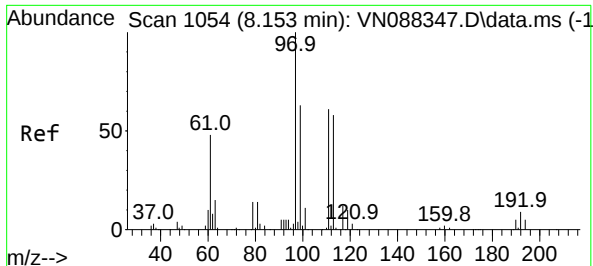
Ion Ratio Lower Upper

114 100

63 24.6 0.0 49.0

88 15.6 0.0 34.0





#35

Dibromofluoromethane

Concen: 50.651 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

MW7

Tgt Ion:113 Resp: 143748

Ion Ratio Lower Upper

113 100

111 102.7 82.5 123.7

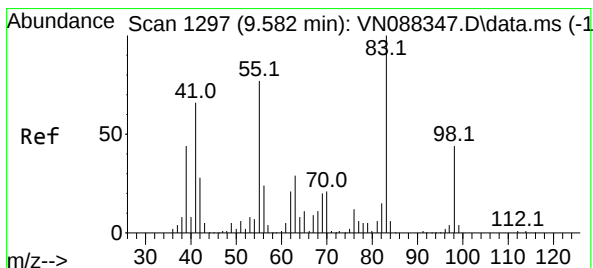
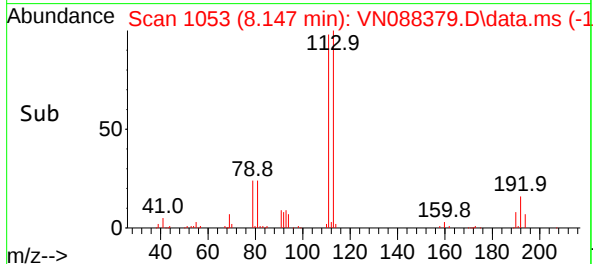
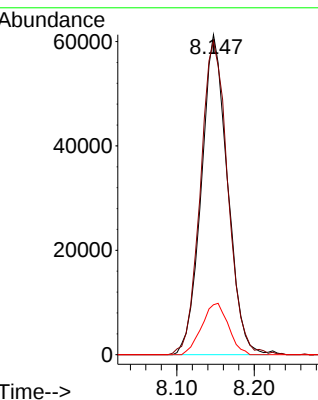
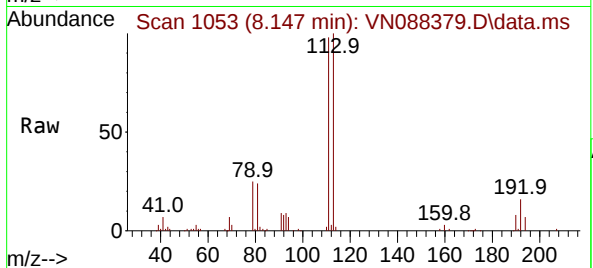
192 16.3 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#39

Methylcyclohexane

Concen: 71.746 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

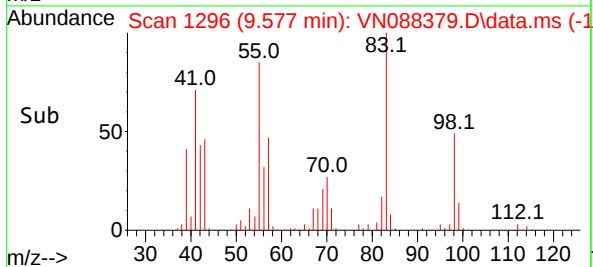
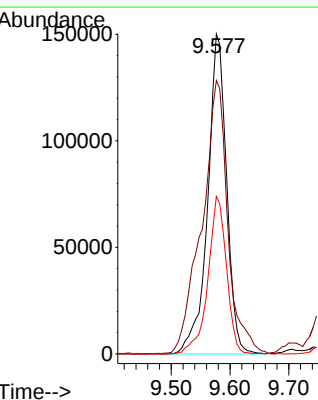
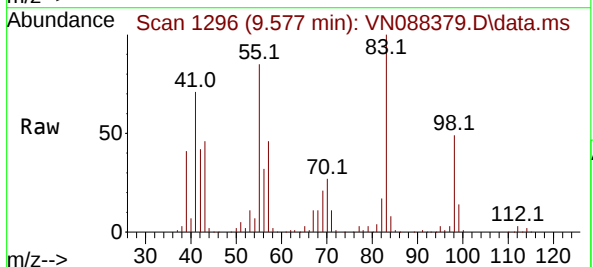
Tgt Ion: 83 Resp: 336127

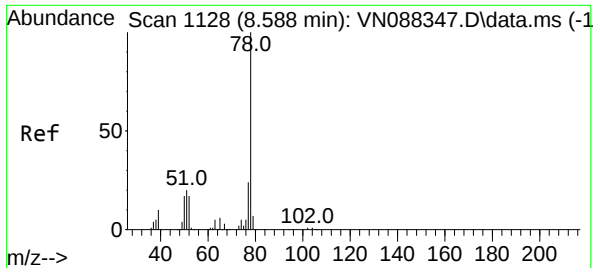
Ion Ratio Lower Upper

83 100

55 85.2 61.6 92.4

98 49.2 35.3 52.9





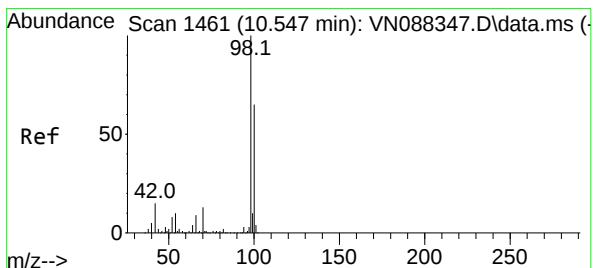
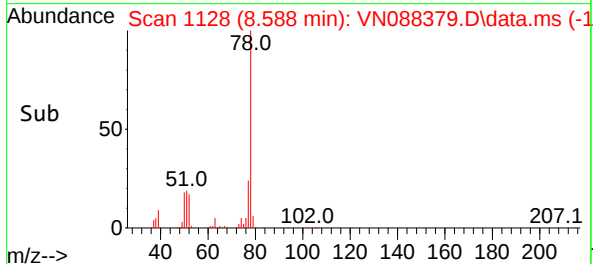
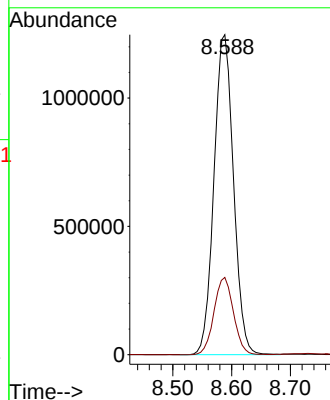
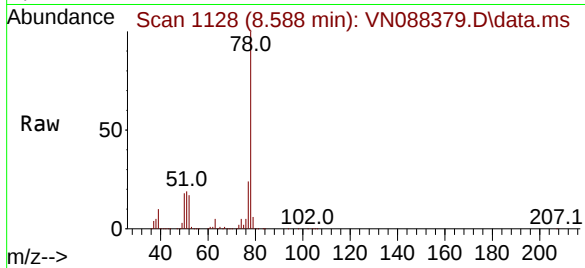
#40
Benzene
Concen: 223.732 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 78 Resp: 287609
Ion Ratio Lower Upper
78 100
77 24.2 19.0 28.4

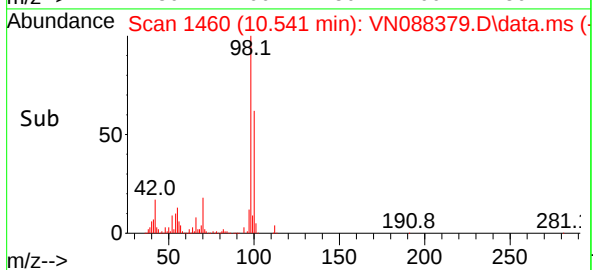
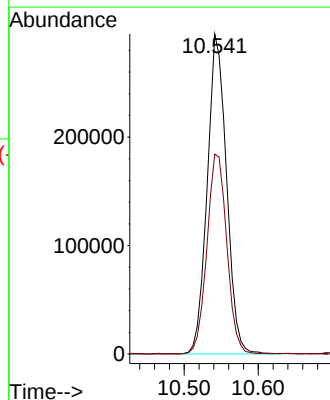
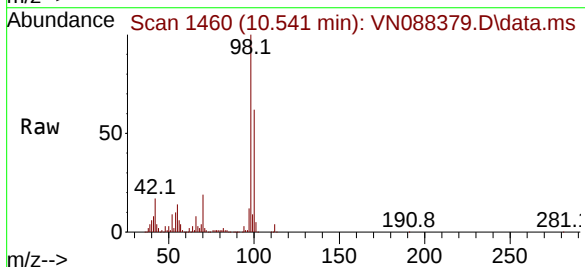
Manual Integrations
APPROVED

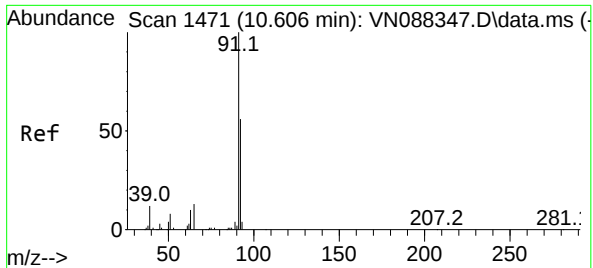
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#50
Toluene-d8
Concen: 50.508 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

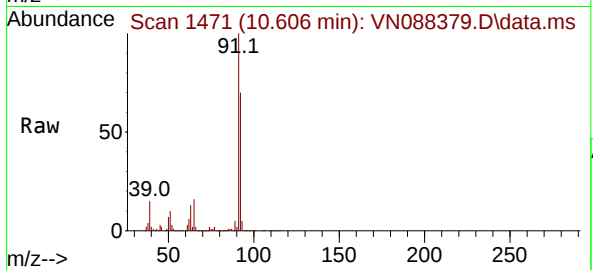
Tgt Ion: 98 Resp: 533344
Ion Ratio Lower Upper
98 100
100 64.4 52.2 78.2





#52
Toluene
Concen: 1421.311 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

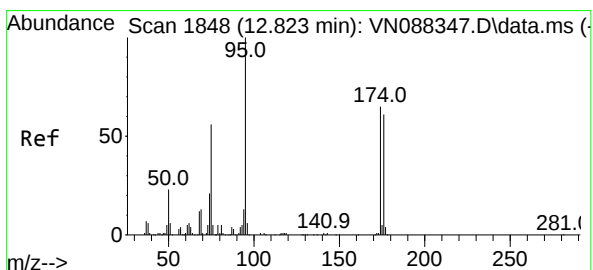
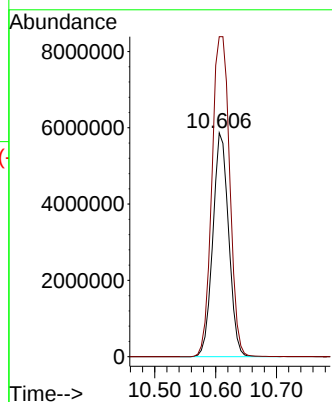
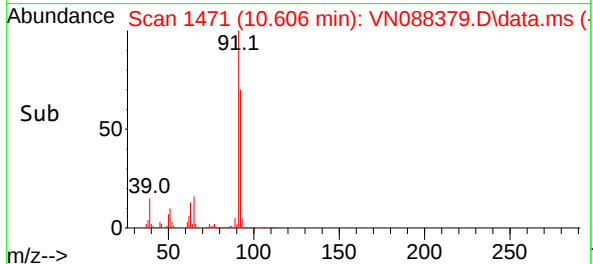
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 92 Resp:1055008
Ion Ratio Lower Upper
92 100
91 160.9 140.2 210.2

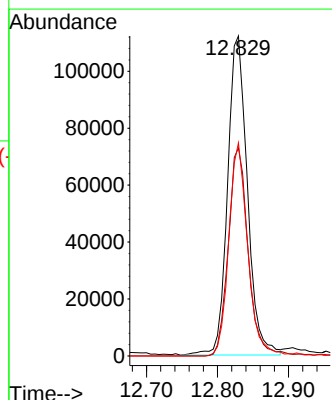
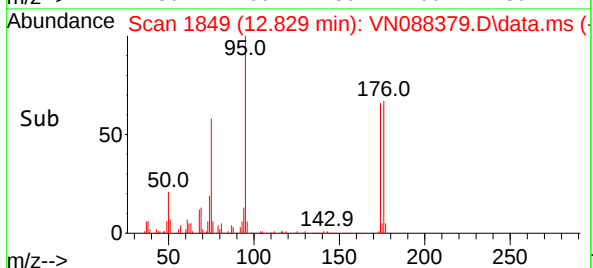
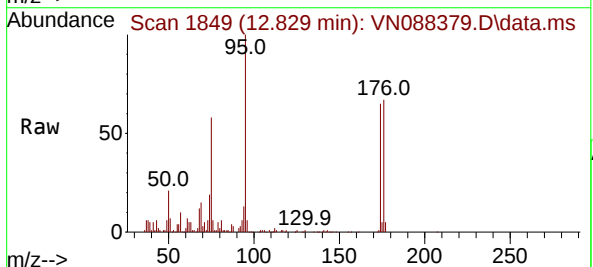
Manual Integrations
APPROVED

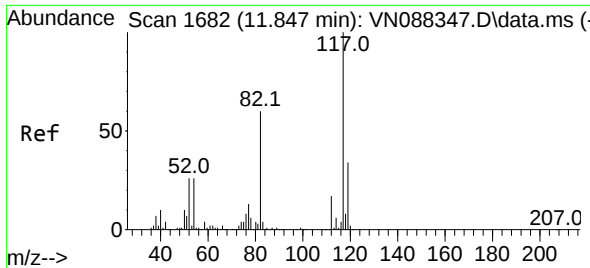
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#62
4-Bromofluorobenzene
Concen: 59.784 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

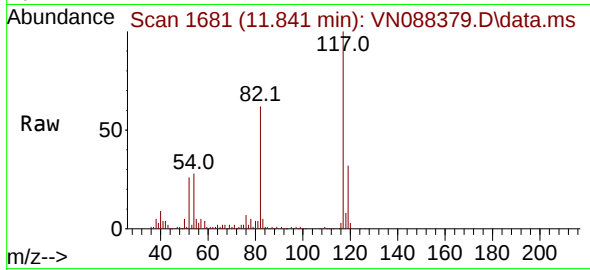
Tgt Ion: 95 Resp: 216607
Ion Ratio Lower Upper
95 100
174 65.4 0.0 139.0
176 64.1 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

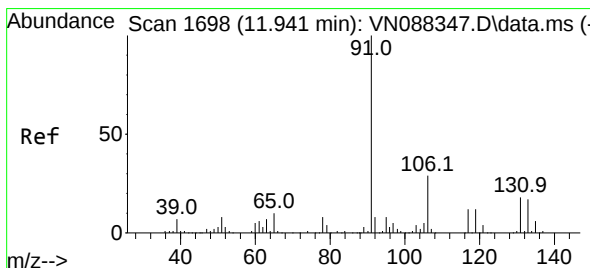
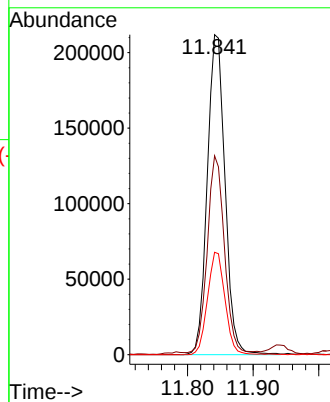
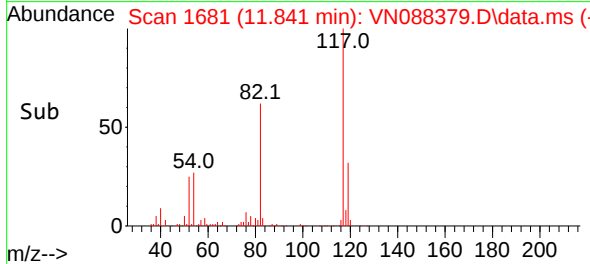
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion: 117 Resp: 398640
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.0 26.9 40.3

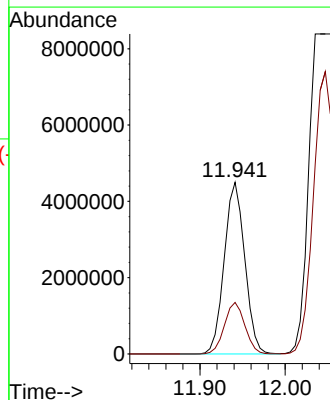
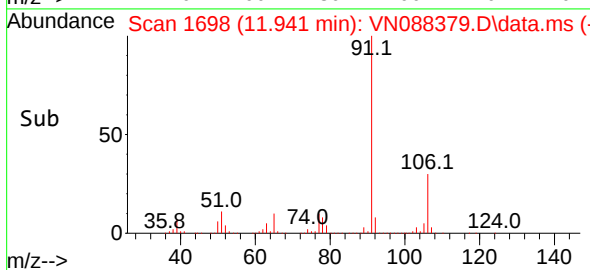
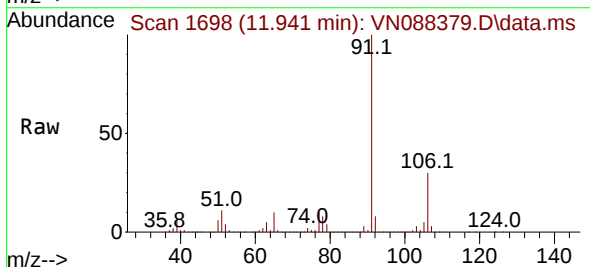
Manual Integrations
APPROVED

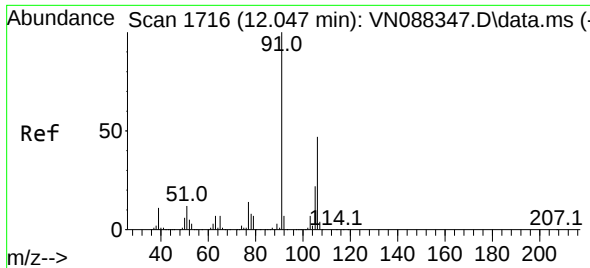
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#67
Ethyl Benzene
Concen: 481.754 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

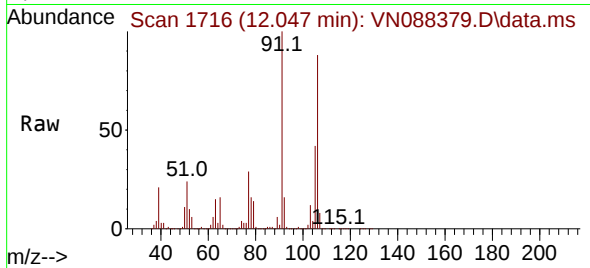
Tgt Ion: 91 Resp: 7539640
Ion Ratio Lower Upper
91 100
106 30.0 23.6 35.4





#68
m/p-Xylenes
Concen: 2369.332 ug/l
RT: 12.047 min Scan# 1716
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

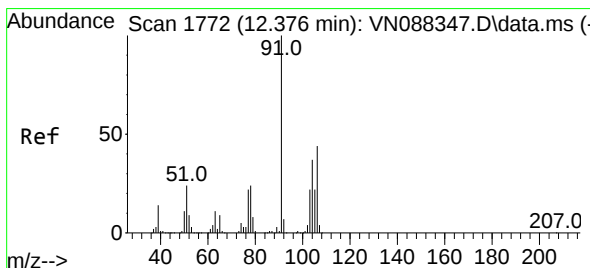
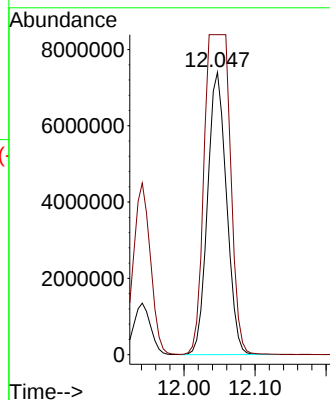
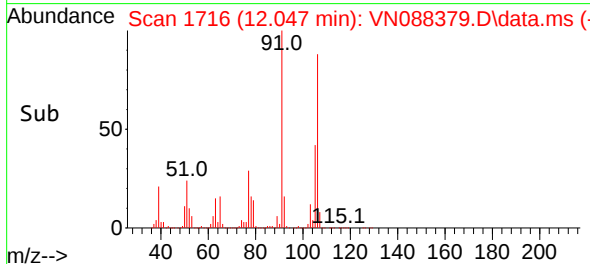
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion:106 Resp:13748388
Ion Ratio Lower Upper
106 100
91 0.0 167.8 251.6

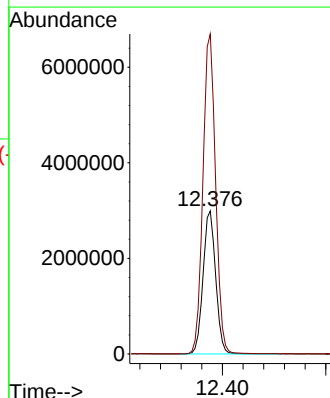
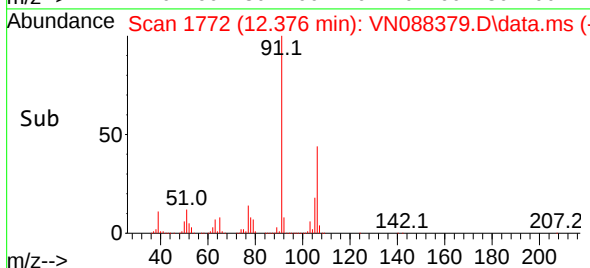
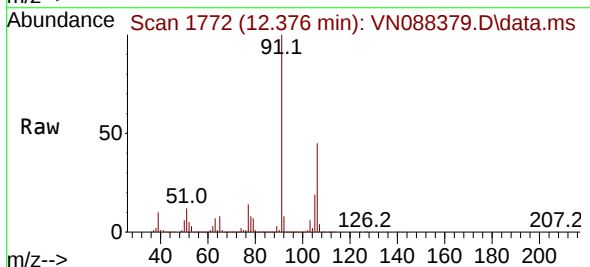
Manual Integrations
APPROVED

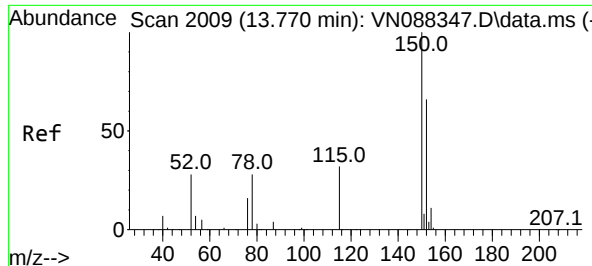
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#69
o-Xylene
Concen: 913.674 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion:106 Resp: 5054489
Ion Ratio Lower Upper
106 100
91 224.7 112.9 338.7





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088379.D

Acq: 01 Dec 2025 13:52

Instrument :

MSVOA_N

ClientSampleId :

MW7

Tgt Ion:152 Resp: 20635

Ion Ratio Lower Upper

152 100

115 113.9 33.0 98.9

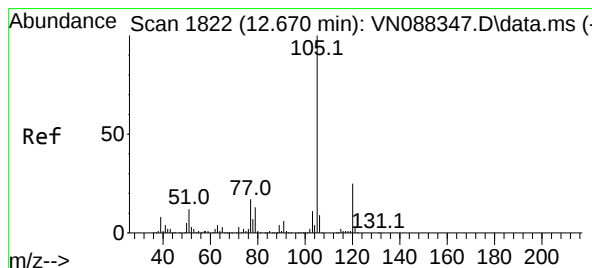
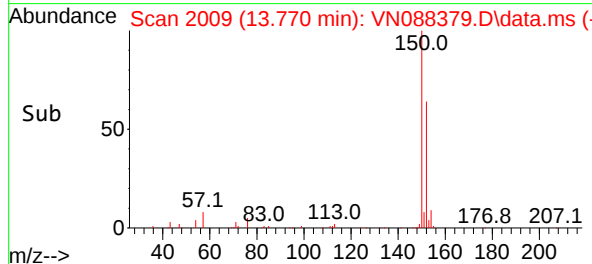
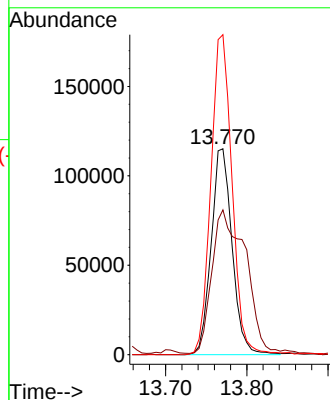
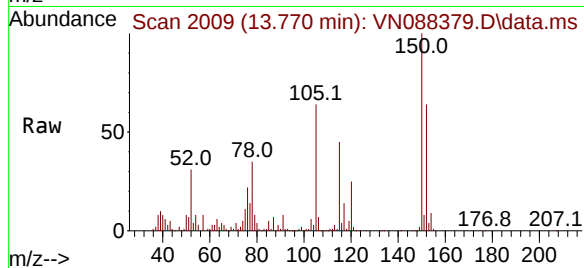
150 157.3 0.0 349.0

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/02/2025

Supervised By :Mahesh Dadoda 12/02/2025



#73

Isopropylbenzene

Concen: 23.385 ug/l

RT: 12.671 min Scan# 1822

Delta R.T. 0.000 min

Lab File: VN088379.D

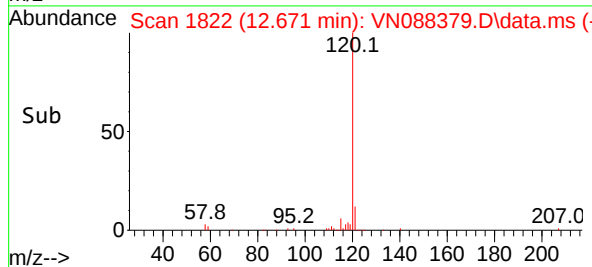
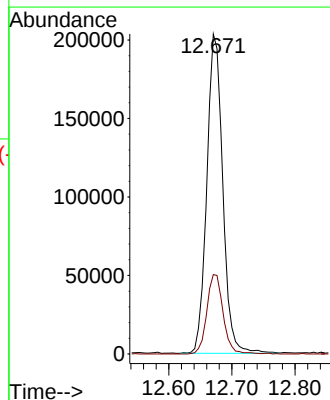
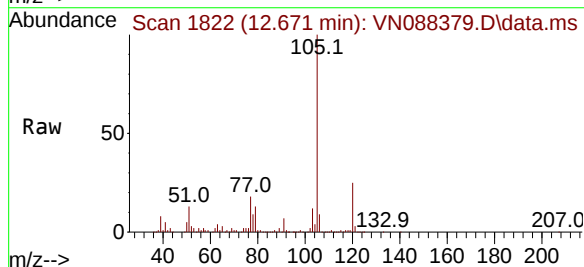
Acq: 01 Dec 2025 13:52

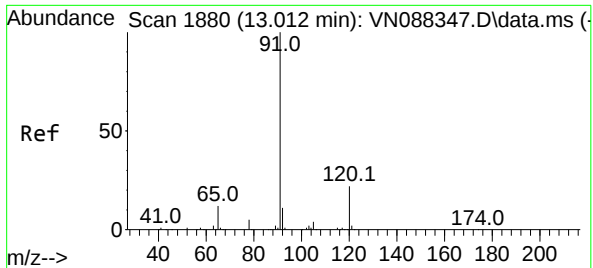
Tgt Ion:105 Resp: 356793

Ion Ratio Lower Upper

105 100

120 25.3 12.8 38.3





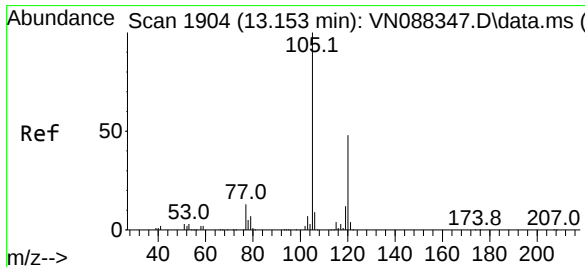
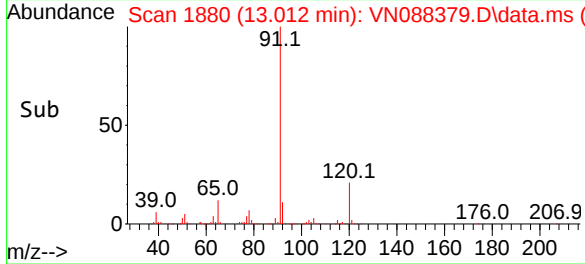
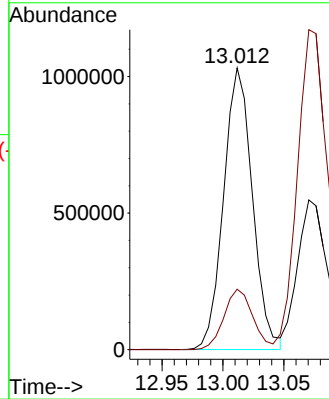
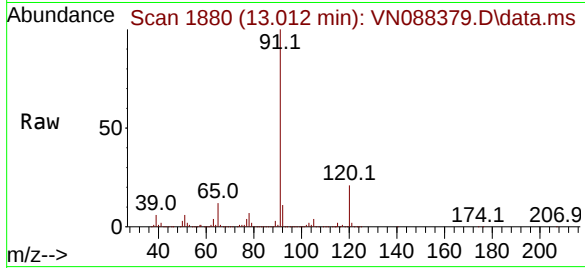
#78
n-propylbenzene
Concen: 91.027 ug/l
RT: 13.012 min Scan# 1880
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion: 91 Resp: 1699094
Ion Ratio Lower Upper
91 100
120 21.6 10.9 32.6

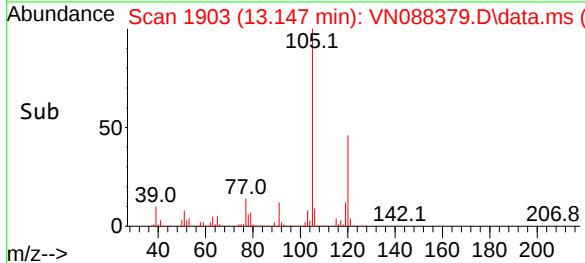
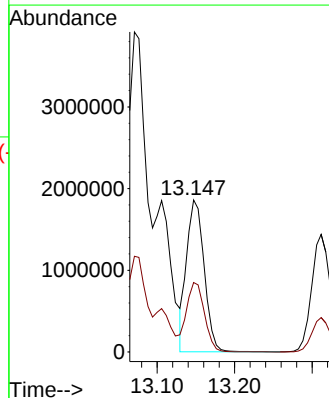
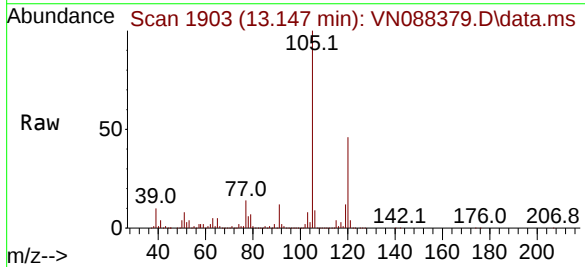
Manual Integrations
APPROVED

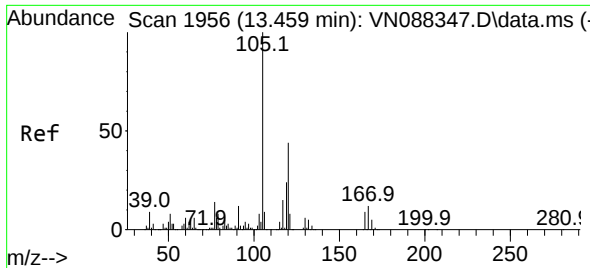
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#80
1,3,5-Trimethylbenzene
Concen: 230.496 ug/l
RT: 13.147 min Scan# 1903
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

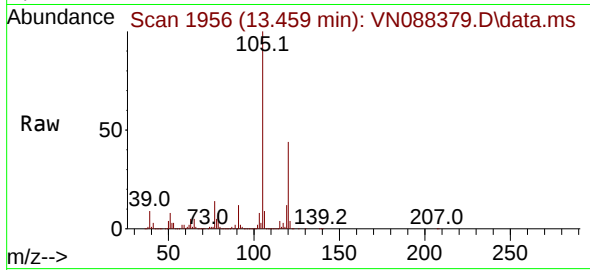
Tgt Ion:105 Resp: 2914167
Ion Ratio Lower Upper
105 100
120 48.8 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 853.409 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

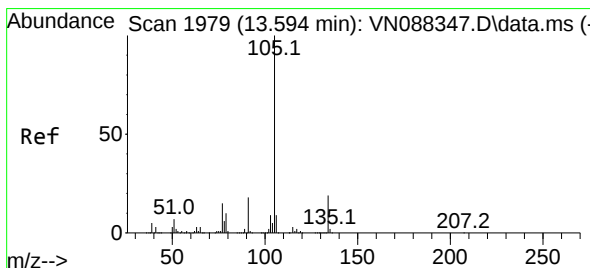
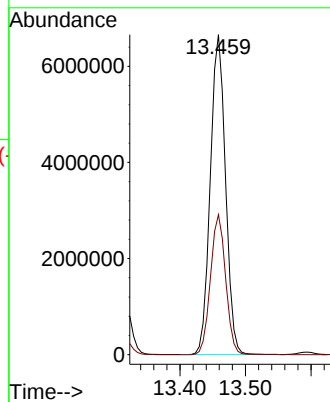
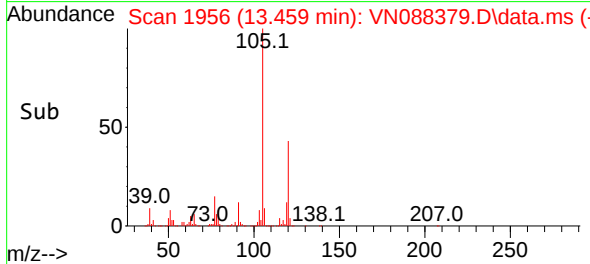
Instrument :
MSVOA_N
ClientSampleId :
MW7



Tgt Ion:105 Resp:10724500
Ion Ratio Lower Upper
105 100
120 43.6 22.1 66.1

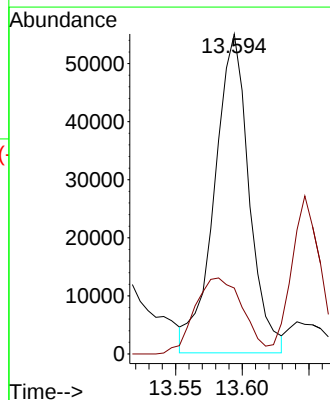
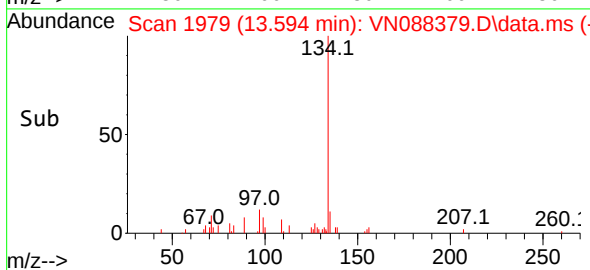
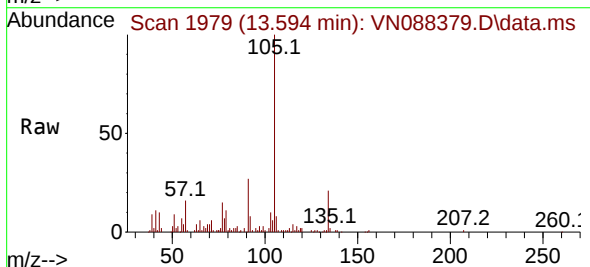
Manual Integrations
APPROVED

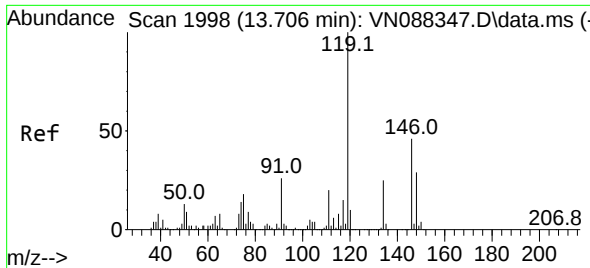
Reviewed By :John Carlone 12/02/2025
Supervised By :Mahesh Dadoda 12/02/2025



#85
sec-Butylbenzene
Concen: 6.426 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion:105 Resp: 99221
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





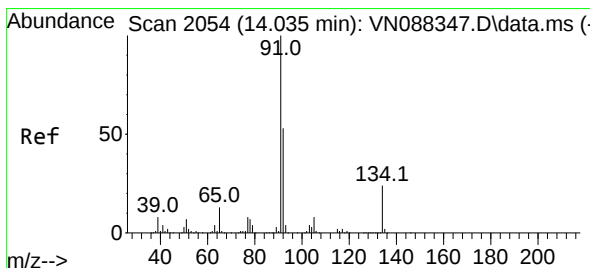
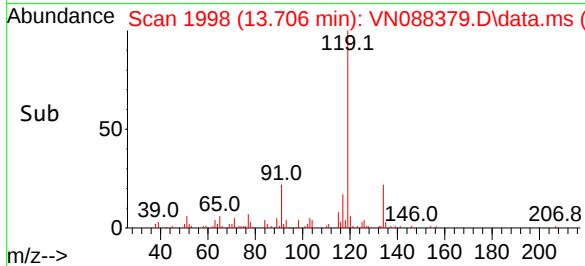
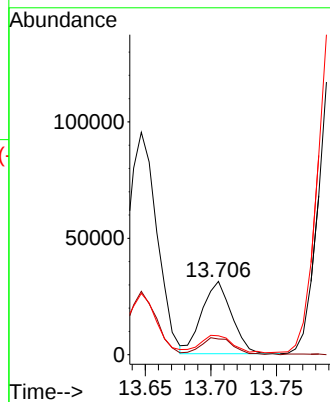
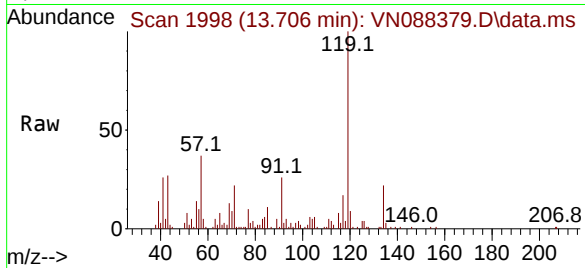
#86
p-Isopropyltoluene
Concen: 3.854 ug/l
RT: 13.706 min Scan# 1998
Delta R.T. 0.000 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Instrument :
MSVOA_N
ClientSampleId :
MW7

Tgt Ion	Ratio	Lower	Upper
119	100		
134	25.8	12.2	36.6
91	0.0	13.0	39.0

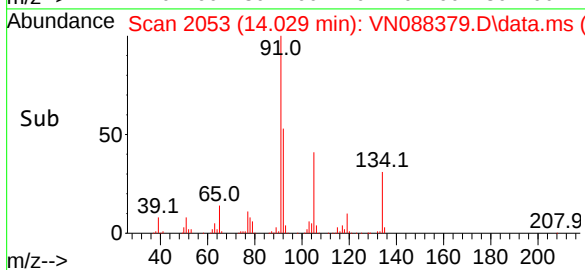
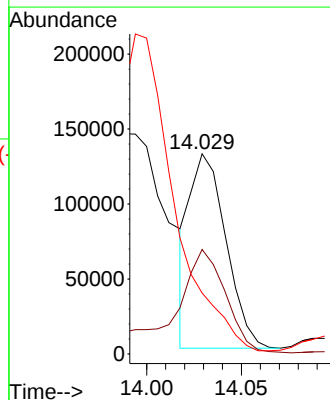
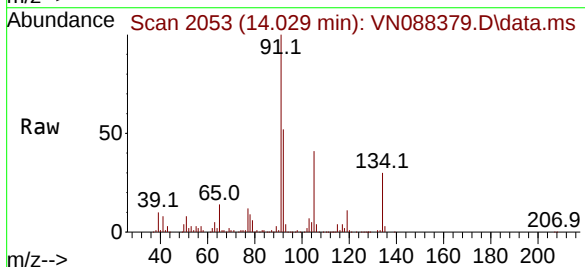
Manual Integrations
APPROVED

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



#89
n-Butylbenzene
Concen: 14.059 ug/l
RT: 14.029 min Scan# 2053
Delta R.T. -0.006 min
Lab File: VN088379.D
Acq: 01 Dec 2025 13:52

Tgt Ion	Ratio	Lower	Upper
91	100		
92	65.9	26.1	78.3
134	0.0	11.7	35.1



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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: VN088379.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	58	65	82	rBV	660001	1175847	1.36%	0.292%
2	2.536	86	99	111	rBV	2566151	4716682	5.46%	1.170%
3	3.265	211	223	252	rBV	4385485	10911964	12.62%	2.707%
4	3.665	281	291	314	rVV3	1822420	5924089	6.85%	1.470%
5	3.865	314	325	342	rVV	1061947	2742371	3.17%	0.680%
6	4.048	344	356	364	rVV	590033	1637253	1.89%	0.406%
7	4.148	364	373	392	rVB	1982128	5709210	6.60%	1.416%
8	5.153	526	544	552	rBV4	324616	1201913	1.39%	0.298%
9	5.265	552	563	566	rVV2	528472	1616036	1.87%	0.401%
10	5.330	567	574	611	rVB3	1279013	6573372	7.60%	1.631%
11	5.800	631	654	673	rBV	842372	2933289	3.39%	0.728%
12	6.300	727	739	755	rBV2	491068	1520272	1.76%	0.377%
13	6.642	790	797	810	rVB	384143	1179475	1.36%	0.293%
14	7.065	859	869	883	rVB2	452786	1283312	1.48%	0.318%
15	7.312	901	911	920	rBV	1311489	3816887	4.42%	0.947%
16	7.988	1018	1026	1034	rVB	538493	1273380	1.47%	0.316%
17	8.200	1056	1062	1074	rVV4	947748	3175234	3.67%	0.788%
18	8.312	1074	1081	1091	rVB2	481530	1255761	1.45%	0.312%
19	8.424	1091	1100	1109	rBV	764994	1758855	2.03%	0.436%
20	8.588	1116	1128	1140	rBV	2896045	7305276	8.45%	1.812%
21	8.741	1140	1154	1165	rVV	1673601	5857004	6.78%	1.453%
22	8.947	1179	1189	1202	rVB3	399213	1088072	1.26%	0.270%
23	9.083	1202	1212	1218	rBV2	943856	2208300	2.55%	0.548%
24	9.577	1279	1296	1301	rBV3	1064065	3164567	3.66%	0.785%
25	9.994	1359	1367	1376	rVB	1243783	2549218	2.95%	0.632%
26	10.124	1383	1389	1395	rVB	1615239	3143713	3.64%	0.780%
27	10.318	1413	1422	1434	rBV	525787	1259083	1.46%	0.312%
28	10.541	1454	1460	1464	rBV2	1017736	1862865	2.16%	0.462%
29	10.606	1464	1471	1485	rVV	25100138	46024014	53.24%	11.418%
30	10.724	1485	1491	1498	rVB3	458464	942730	1.09%	0.234%
31	11.841	1672	1681	1689	rBV	766145	1479580	1.71%	0.367%
32	11.941	1689	1698	1707	rBV	10704711	17894854	20.70%	4.440%
33	12.047	1707	1716	1728	rBV2	45939037	86440451	100.00%	21.446%
34	12.376	1761	1772	1782	rBV	19436256	33111106	38.31%	8.215%
35	12.671	1816	1822	1828	rBV	523507	930113	1.08%	0.231%
36	12.829	1843	1849	1859	rVB3	573406	1341857	1.55%	0.333%

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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

37	13.012	1874	1880	1885	rBV	2119720	3469495	4.01%	0.861%
38	13.071	1885	1890	1894	rVV	10482274	18012491	20.84%	4.469%
39	13.106	1894	1896	1900	rVV	4685352	6706661	7.76%	1.664%
40	13.147	1900	1903	1921	rVB	5654757	8991521	10.40%	2.231%
41	13.312	1922	1931	1939	rBV	3781647	6434534	7.44%	1.596%
42	13.459	1949	1956	1969	rVB	19680499	31635815	36.60%	7.849%
43	13.794	2003	2013	2029	rVB	4457659	9152008	10.59%	2.271%
44	13.929	2029	2036	2037	rBV	682780	1024202	1.18%	0.254%
45	13.965	2037	2042	2058	rVB3	3180014	10832494	12.53%	2.688%
46	14.159	2068	2075	2080	rBV2	559093	939274	1.09%	0.233%
47	14.218	2080	2085	2088	rVV	1185009	2064998	2.39%	0.512%
48	14.247	2088	2090	2095	rVV	1123462	1457487	1.69%	0.362%
49	14.306	2095	2100	2106	rVB	1917721	3018804	3.49%	0.749%
50	14.417	2114	2119	2128	rVB2	1009410	1716165	1.99%	0.426%
51	14.629	2147	2155	2158	rBV	1159190	2042024	2.36%	0.507%
52	14.665	2158	2161	2166	rVB	1462495	2084756	2.41%	0.517%
53	14.900	2196	2201	2206	rBV	1048158	1945881	2.25%	0.483%
54	15.023	2213	2222	2228	rBV2	1626064	3807014	4.40%	0.945%
55	15.288	2256	2267	2273	rBV2	525110	1493932	1.73%	0.371%
56	15.406	2280	2287	2296	rVB3	379139	961192	1.11%	0.238%
57	15.612	2308	2322	2334	rBV	2585674	5242753	6.07%	1.301%
58	16.747	2507	2515	2522	rBV	1311802	3026480	3.50%	0.751%

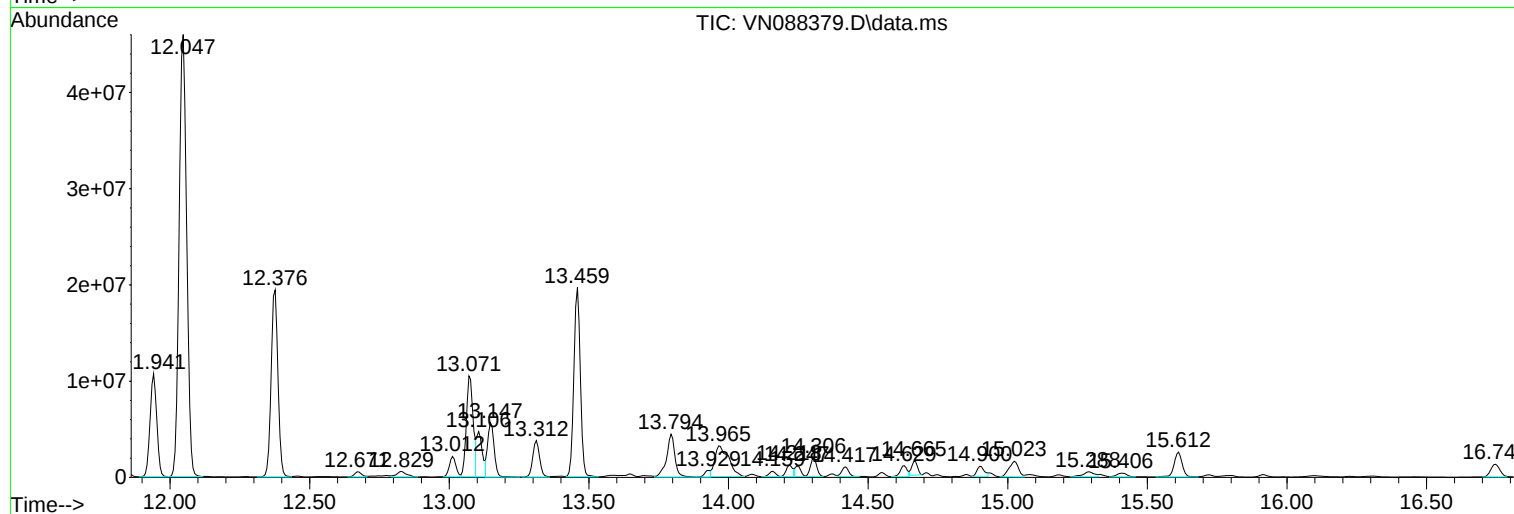
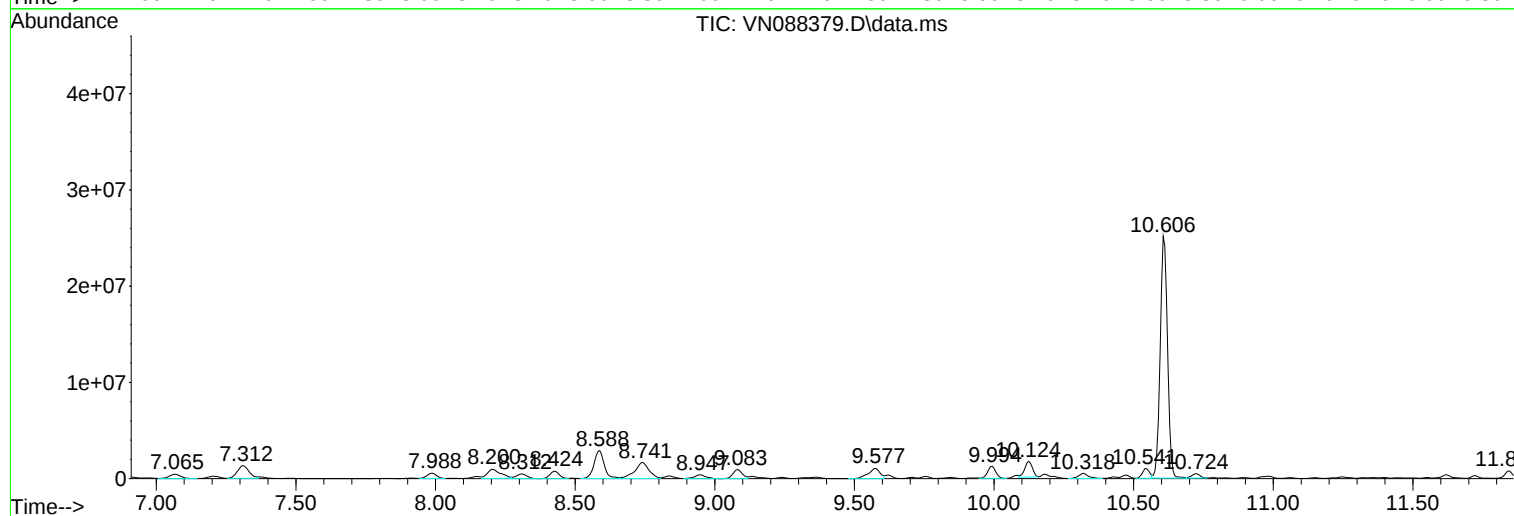
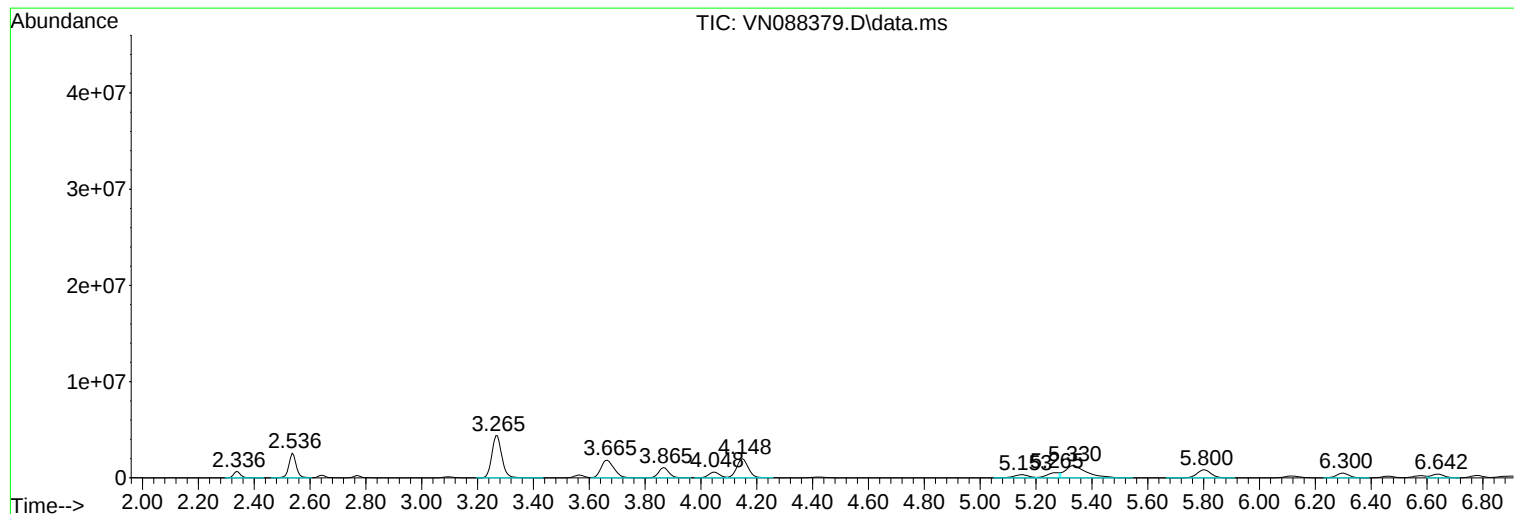
Sum of corrected areas: 403067986

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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 : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

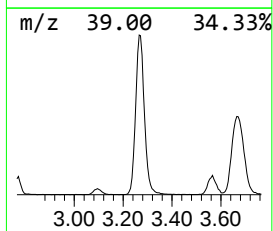
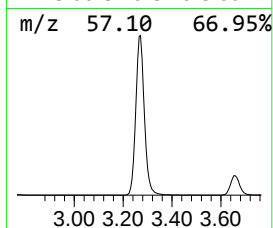
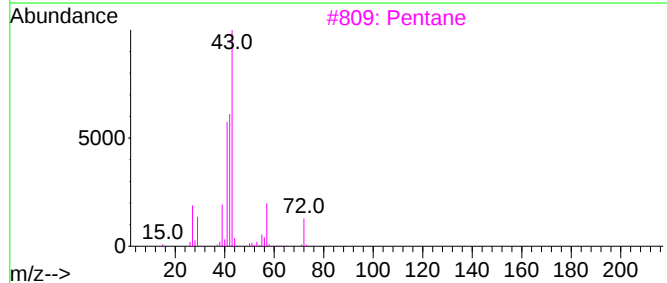
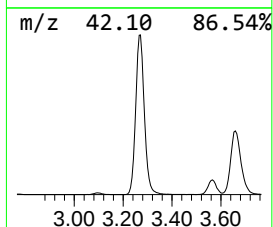
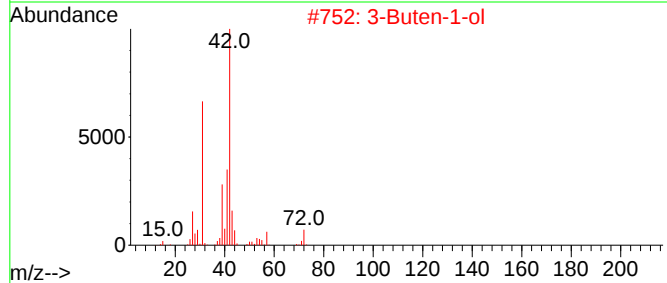
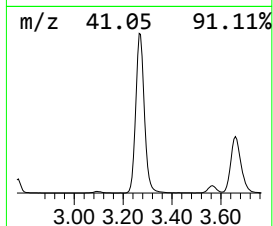
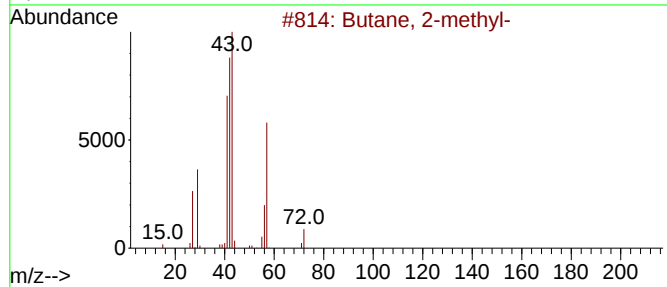
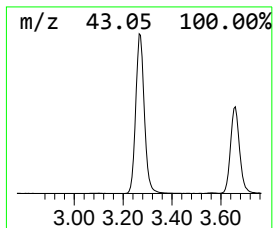
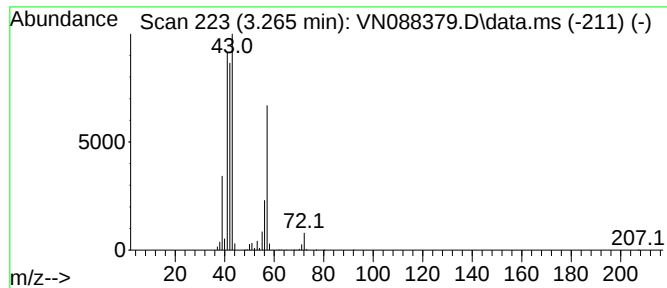
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

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

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.265	171.83 ug/l	10912000	Pentafluorobenzene	8.206

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	47
3			Pentane	72	C5H12	000109-66-0	36
4			2(3H)-Furanone, dihydro-4-methyl-	100	C5H8O2	001679-49-8	33
5			1-Propene, 2-methyl-	56	C4H8	000115-11-7	10



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

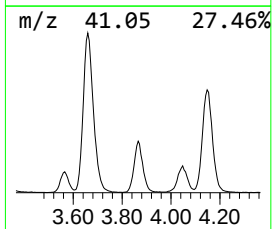
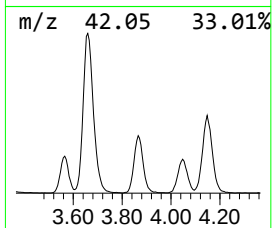
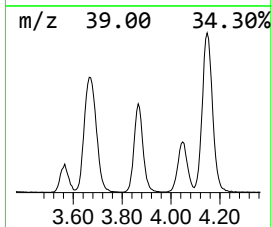
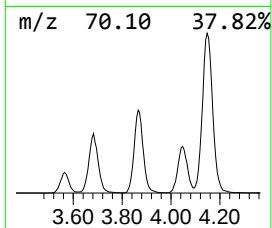
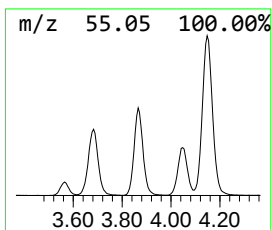
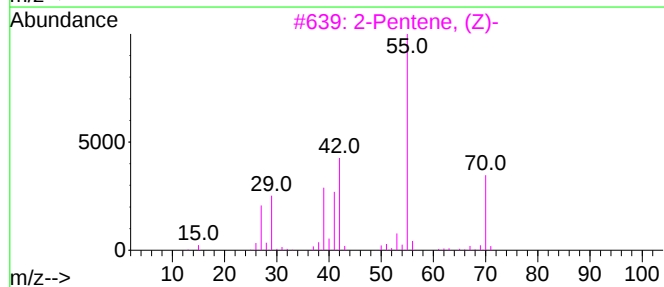
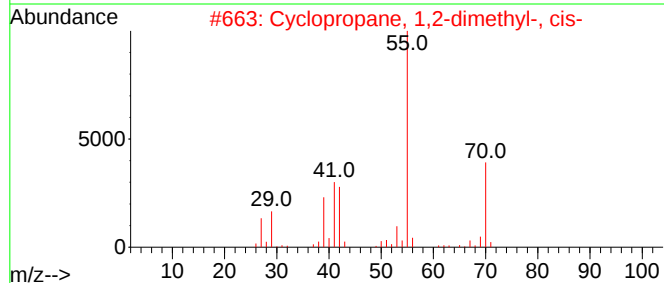
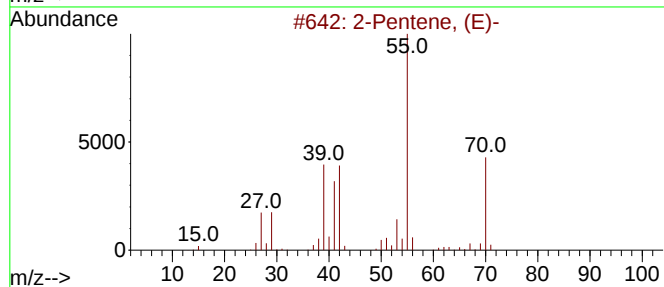
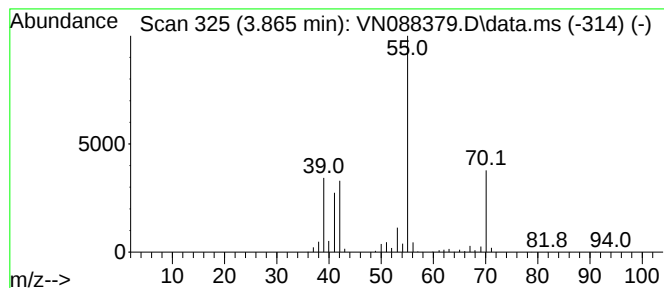
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 4 2-Pentene, (E)- Concentration Rank 13

R.T.	EstConc	Area	Relative to ISTD	R.T.
3.865	43.18 ug/l	2742370	Pentafluorobenzene	8.206

Hit#	of 5	Tentative ID	MW	MolForm	CAS#	Qual
1		2-Pentene, (E)-	70	C5H10	000646-04-8	93
2		Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	90
3		2-Pentene, (Z)-	70	C5H10	000627-20-3	90
4		2-Butene, 2-methyl-	70	C5H10	000513-35-9	87
5		2-Methyl-1-butene	70	C5H10	000563-46-2	87



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

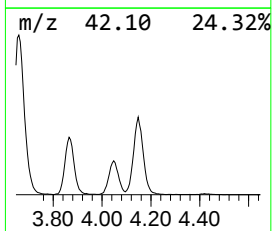
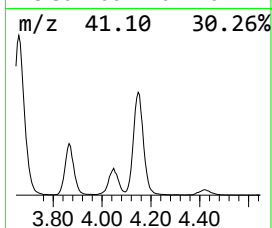
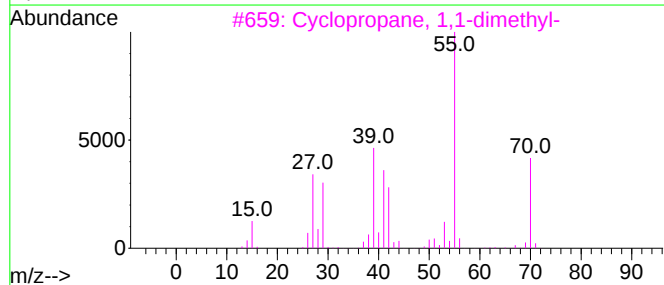
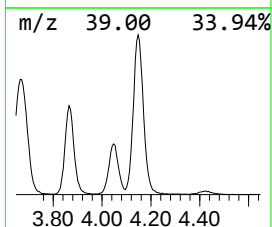
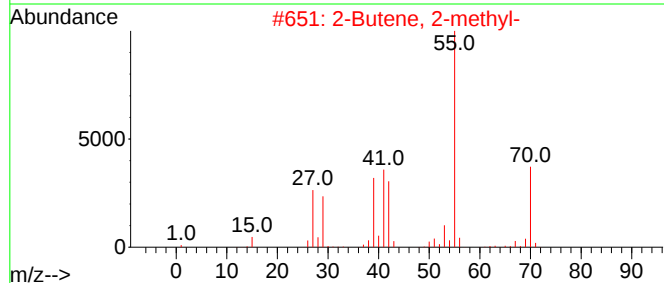
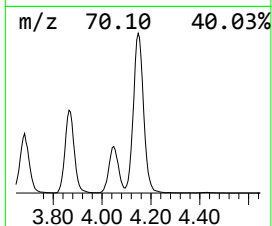
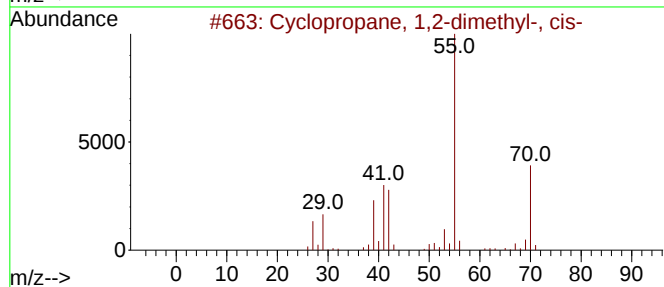
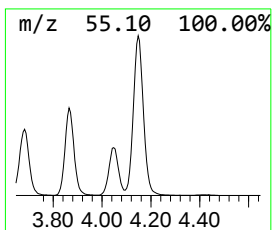
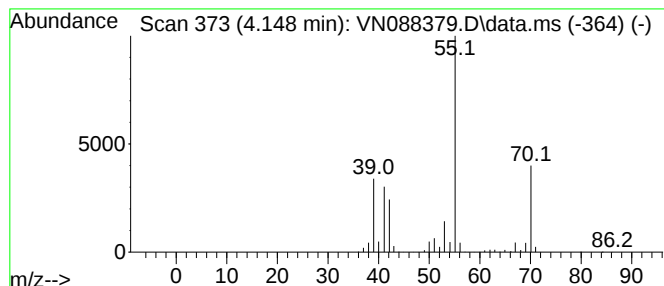
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 5 Cyclopropane, 1,2-dimethyl-... Concentration Rank 6

R.T.	EstConc	Area	Relative to ISTD	R.T.
4.148	89.90 ug/l	5709210	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopropane, 1,2-dimethyl-, cis-	70	C5H10	000930-18-7	91
2			2-Butene, 2-methyl-	70	C5H10	000513-35-9	91
3			Cyclopropane, 1,1-dimethyl-	70	C5H10	001630-94-0	87
4			1-Butene, 3-methyl-	70	C5H10	000563-45-1	87
5			Cyclopropane, 1,2-dimethyl-, trans-	70	C5H10	002402-06-4	83



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

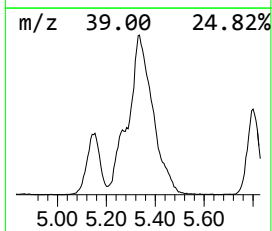
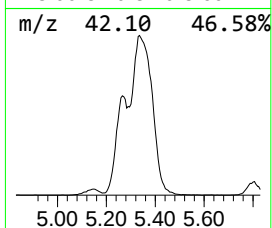
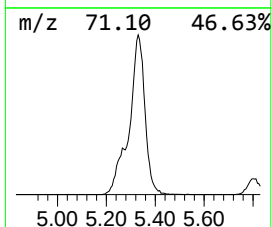
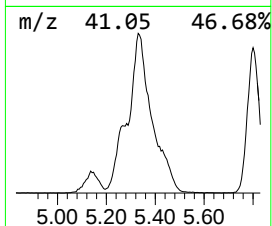
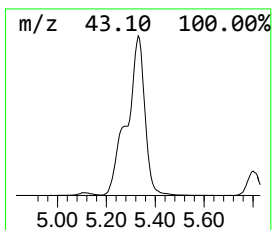
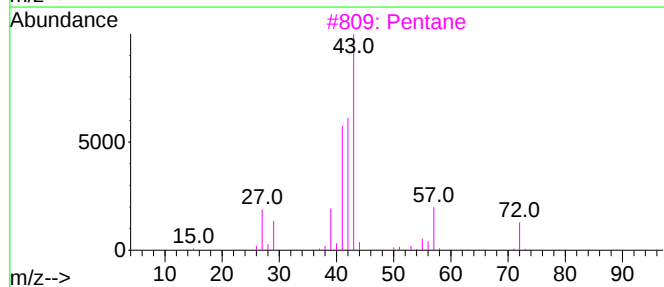
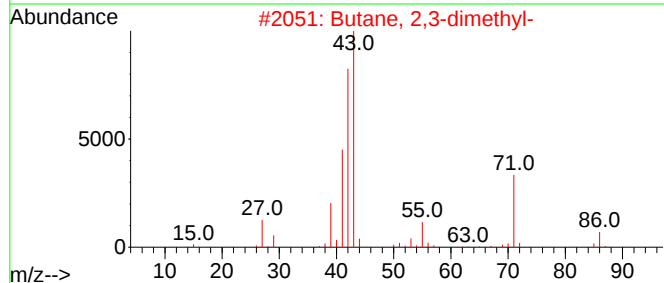
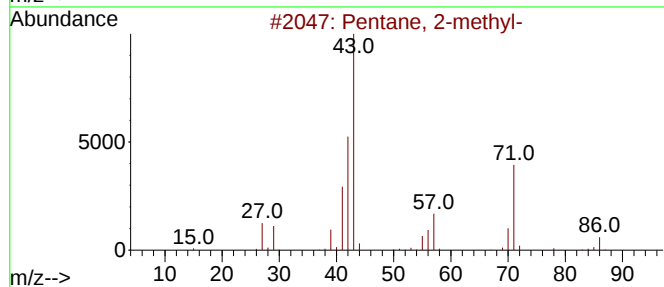
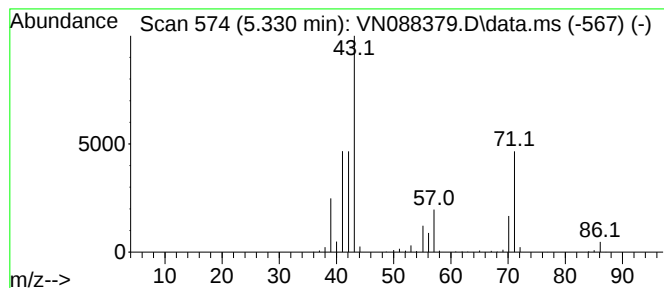
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 6 Pentane, 2-methyl- Concentration Rank 3

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.330	103.51 ug/l	6573370	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	46
3			Pentane	72	C5H12	000109-66-0	38
4			Pentane, 3,3-dimethyl-	100	C7H16	000562-49-2	38
5			Furan, tetrahydro-2-methyl-	86	C5H10O	000096-47-9	28



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

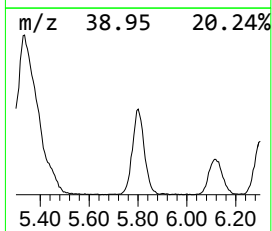
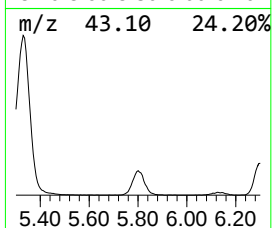
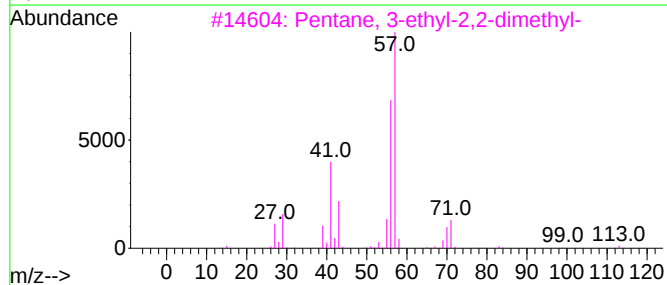
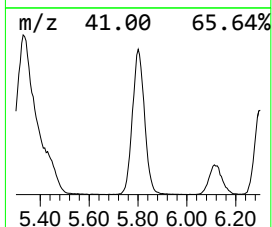
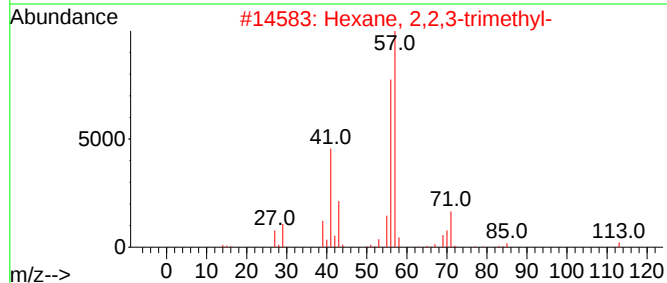
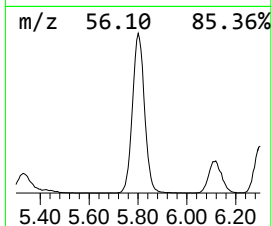
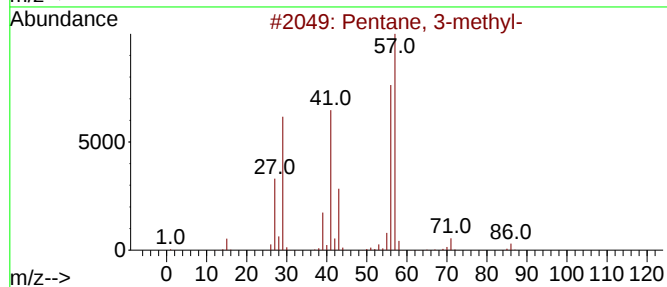
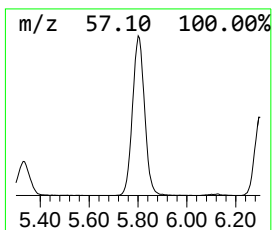
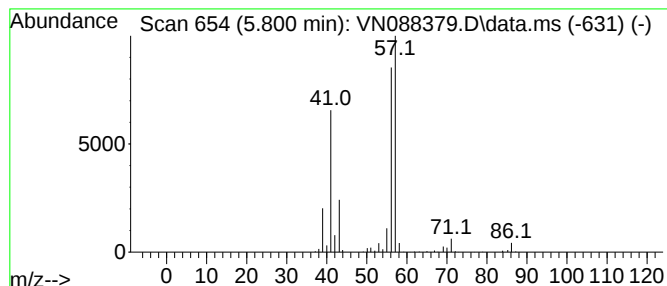
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 7 Pentane, 3-methyl- Concentration Rank 12

R.T.	EstConc	Area	Relative to ISTD	R.T.
5.800	46.19 ug/l	2933290	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Pentane, 3-methyl-	86	C6H14	000096-14-0	91
2			Hexane, 2,2,3-trimethyl-	128	C9H20	016747-25-4	64
3			Pentane, 3-ethyl-2,2-dimethyl-	128	C9H20	016747-32-3	43
4			Propane, 2-cyclopropyl-	84	C6H12	003638-35-5	42
5			3,4-Dimethyldihydrofuran-2,5-dione	128	C6H8O3	007475-92-5	40



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

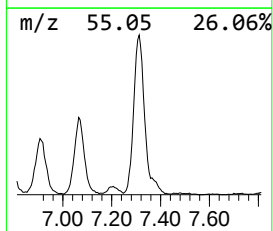
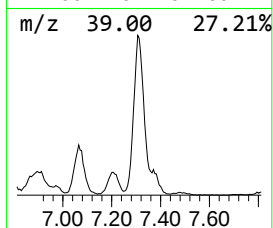
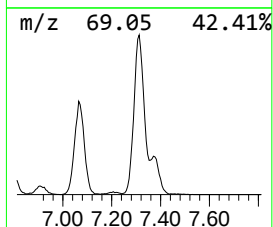
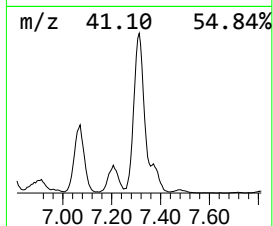
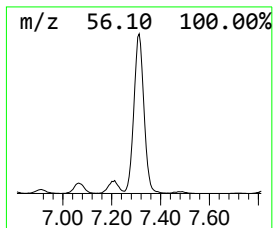
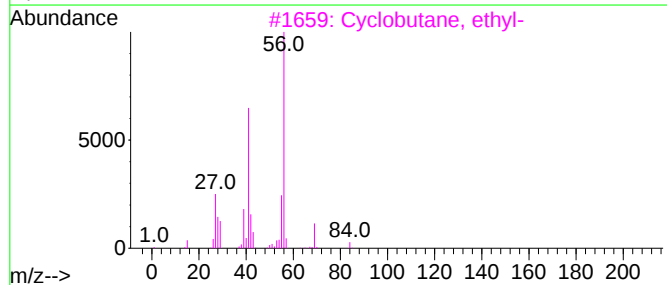
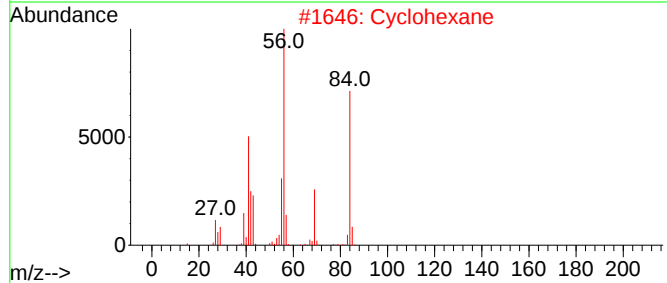
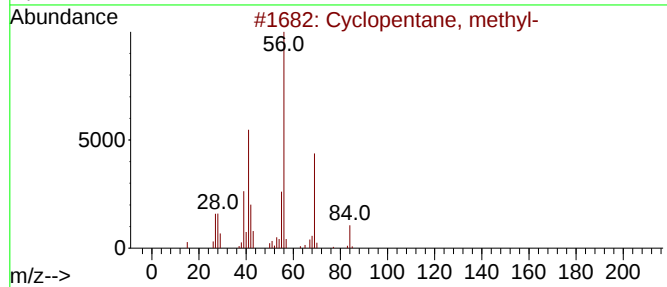
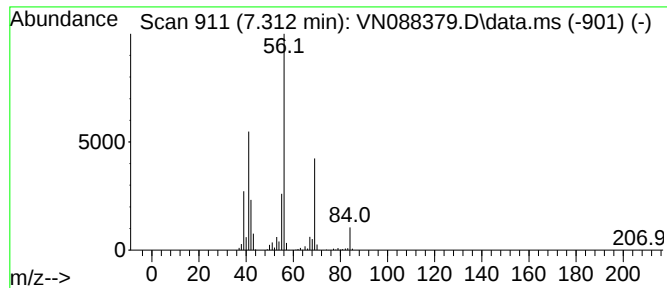
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 8 Cyclopentane, methyl- Concentration Rank 9

R.T.	EstConc	Area	Relative to ISTD	R.T.
7.312	60.10 ug/l	3816890	Pentafluorobenzene	8.206

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Cyclopentane, methyl-	84	C6H12	000096-37-7	94
2			Cyclohexane	84	C6H12	000110-82-7	78
3			Cyclobutane, ethyl-	84	C6H12	004806-61-5	72
4			Cyclobutane	56	C4H8	000287-23-0	50
5			1-Pentene, 2-methyl-	84	C6H12	000763-29-1	47



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

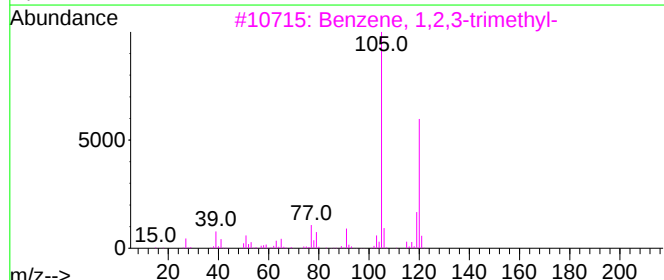
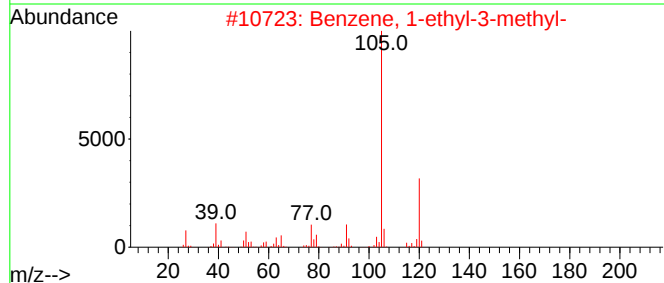
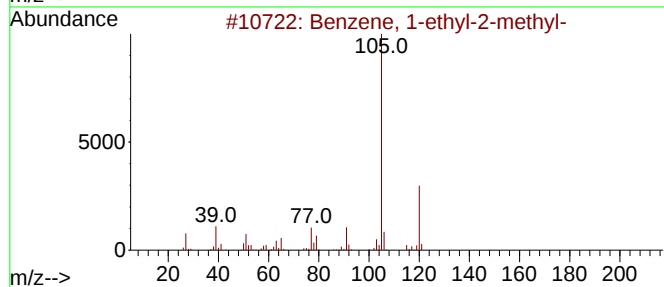
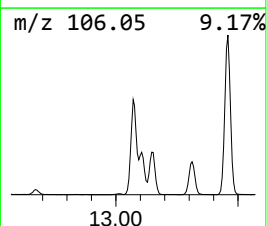
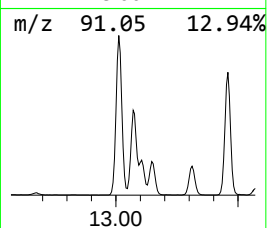
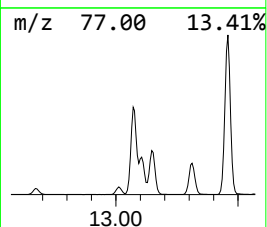
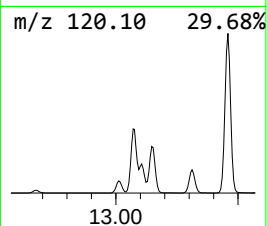
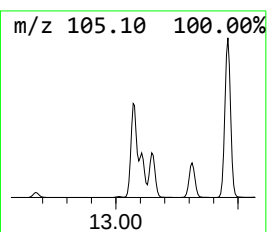
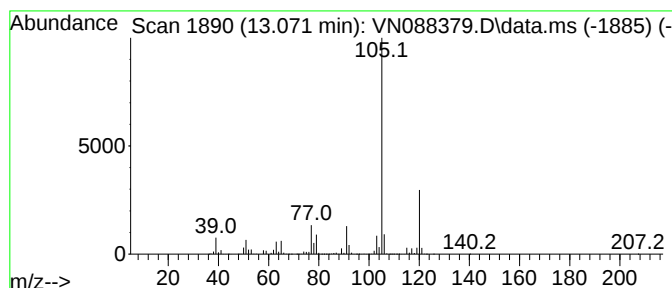
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 13 Benzene, 1-ethyl-2-methyl- Concentration Rank 4

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.070	98.41 ug/l	18012500	1,4-Dichlorobenzene-d4	13.771

Hit#	of	5	Tentative ID	MW	MolForm	CAS#	Qual
1			Benzene, 1-ethyl-2-methyl-	120	C9H12	000611-14-3	95
2			Benzene, 1-ethyl-3-methyl-	120	C9H12	000620-14-4	94
3			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
4			Benzene, 1-ethyl-4-methyl-	120	C9H12	000622-96-8	91
5			Mesitylene	120	C9H12	000108-67-8	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

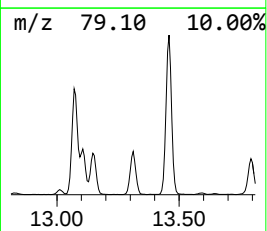
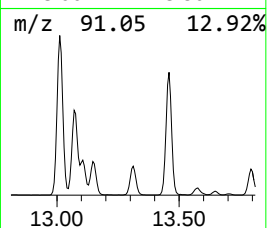
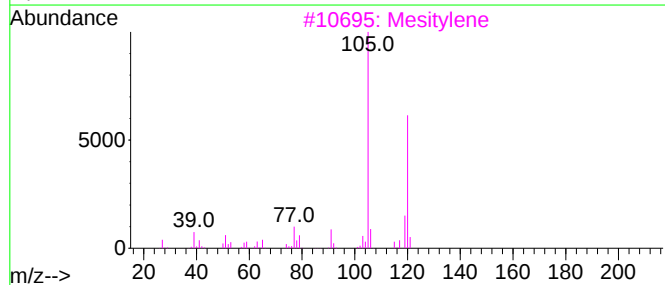
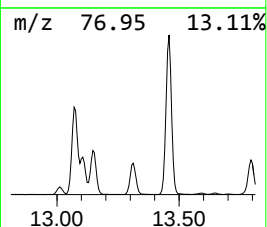
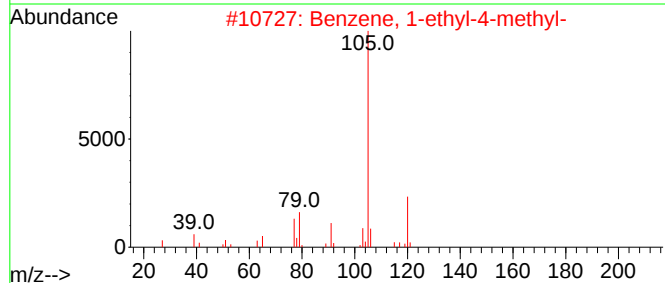
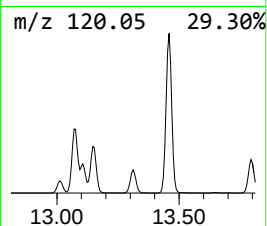
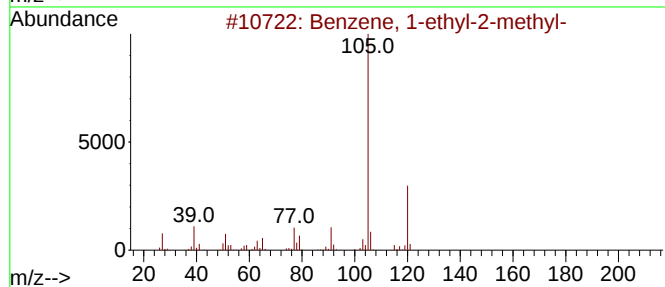
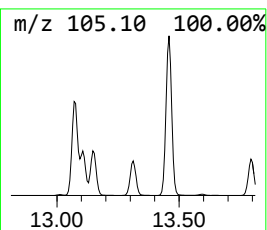
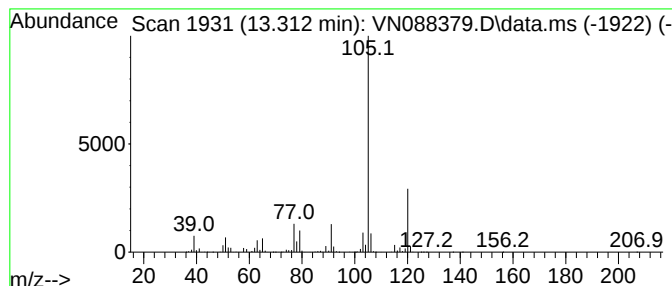
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260

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

Peak Number 14 Benzene, 1-ethyl-4-methyl- Concentration Rank 14

R.T.	EstConc	Area	Relative to ISTD	R.T.
13.312	35.15 ug/l	6434530	1,4-Dichlorobenzene-d4	13.771

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	93
3			Mesitylene	120	C9H12	000108-67-8	91
4			Benzene, 1,2,3-trimethyl-	120	C9H12	000526-73-8	91
5			Benzene, 1,2,4-trimethyl-	120	C9H12	000095-63-6	91



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120125\
Data File : VN088379.D
Acq On : 01 Dec 2025 13:52
Operator : JC\MD
Sample : Q3716-04 10X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
MW7

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-	3.265	171.8	ug/l	10912000	1	8.206	3175230	50.0
2-Pentene, (E)-	3.865	43.2	ug/l	2742370	1	8.206	3175230	50.0
Cyclopropane, 1...	4.148	89.9	ug/l	5709210	1	8.206	3175230	50.0
Pentane, 2-methyl-	5.330	103.5	ug/l	6573370	1	8.206	3175230	50.0
Pentane, 3-methyl-	5.800	46.2	ug/l	2933290	1	8.206	3175230	50.0
Cyclopentane, m...	7.312	60.1	ug/l	3816890	1	8.206	3175230	50.0
Benzene, 1-ethy...	13.070	98.4	ug/l	18012500	4	13.771	9152010	50.0
Benzene, 1-ethy...	13.312	35.1	ug/l	6434530	4	13.771	9152010	50.0

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088405.D
 Acq On : 02 Dec 2025 13:16
 Operator : JC\MD
 Sample : Q3716-04DL 200X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW7DL

Manual Integrations APPROVED

Reviewed By :John Carlone 12/03/2025
 Supervised By :Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:28:23 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	179775	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	404613	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	399064	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.771	152	196778	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	192978	56.983	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 113.960%			
35) Dibromofluoromethane	8.147	113	145835	52.011	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 104.020%			
50) Toluene-d8	10.541	98	517482	49.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 99.200%			
62) 4-Bromofluorobenzene	12.829	95	199337	55.685	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 111.380%			
Target Compounds					Qvalue	
31) Cyclohexane	8.200	56	14628m	3.284	ug/l	
39) Methylcyclohexane	9.577	83	8947	1.933	ug/l #	72
40) Benzene	8.588	78	133961	10.547	ug/l	99
52) Toluene	10.606	92	476203	64.933	ug/l	100
67) Ethyl Benzene	11.941	91	299620	19.125	ug/l	100
68) m/p-Xylenes	12.041	106	558226	96.101	ug/l	98
69) o-Xylene	12.376	106	203557	36.757	ug/l	100
73) Isopropylbenzene	12.676	105	12257	0.842	ug/l	97
78) n-propylbenzene	13.012	91	57132	3.210	ug/l	97
80) 1,3,5-Trimethylbenzene	13.147	105	112000	9.290	ug/l	98
84) 1,2,4-Trimethylbenzene	13.459	105	397842	33.199	ug/l	99
85) sec-Butylbenzene	13.594	105	6021m	0.409	ug/l	
89) n-Butylbenzene	14.035	91	10022m	0.855	ug/l	

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

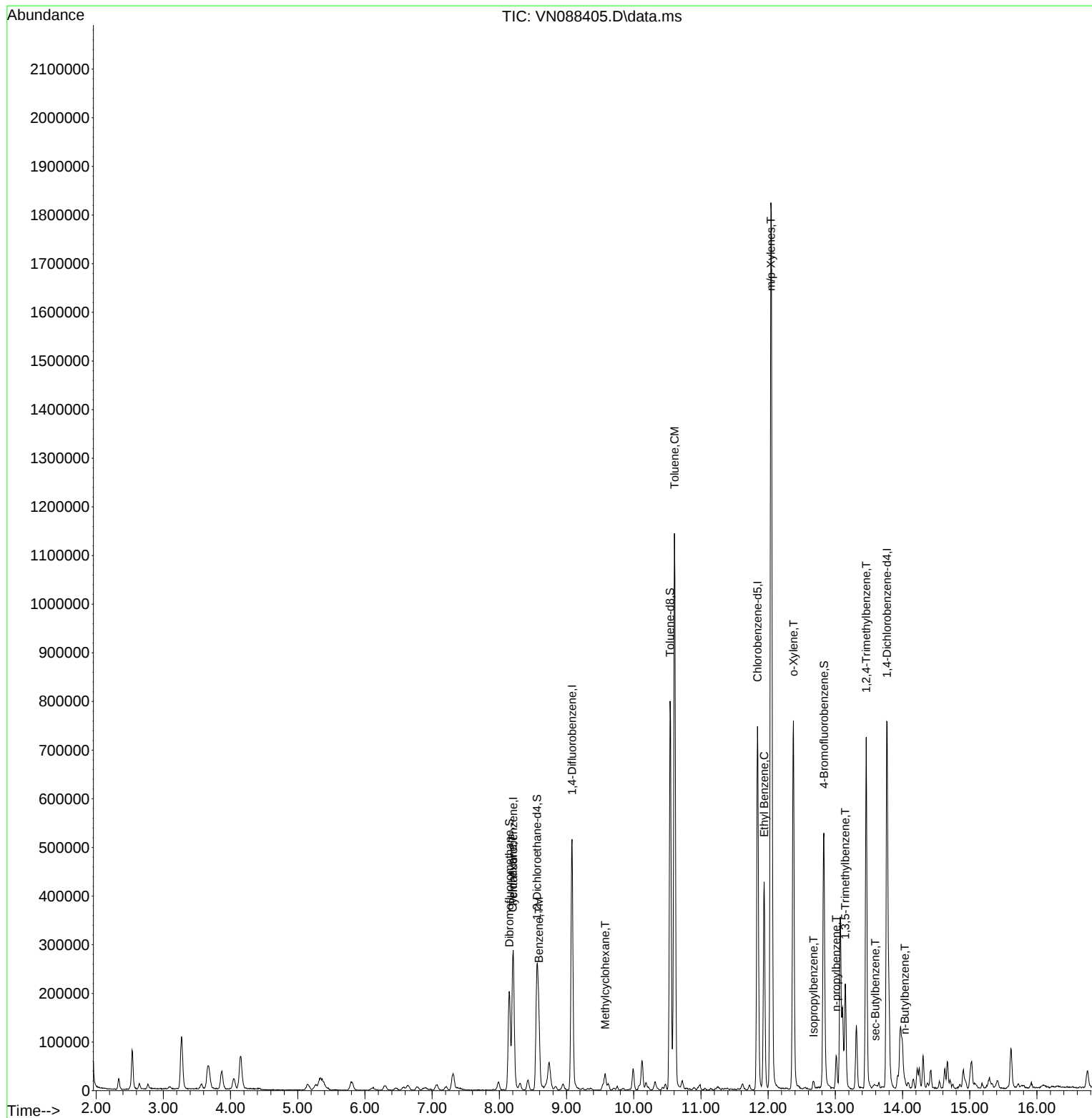
Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088405.D
Acq On : 02 Dec 2025 13:16
Operator : JC\MD
Sample : Q3716-04DL 200X
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 12 Sample Multiplier: 1

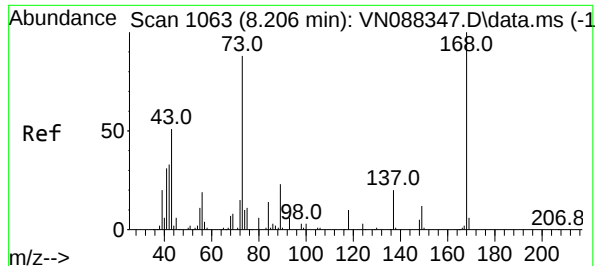
Instrument :
MSVOA_N
ClientSampleId :
MW7DL

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

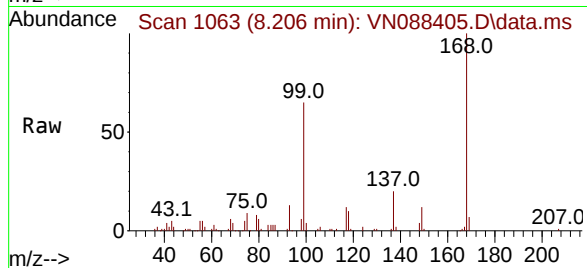
Quant Time: Dec 03 01:28:23 2025
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N112425W.M
Quant Title : SW846 8260
QLast Update : Tue Nov 25 01:34:52 2025
Response via : Initial Calibration





#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

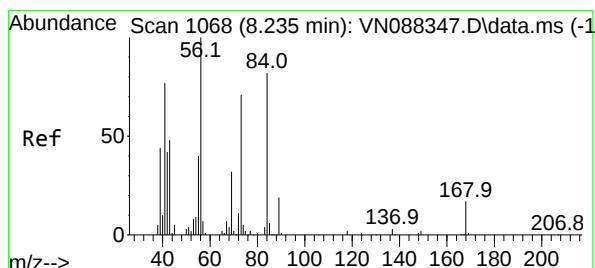
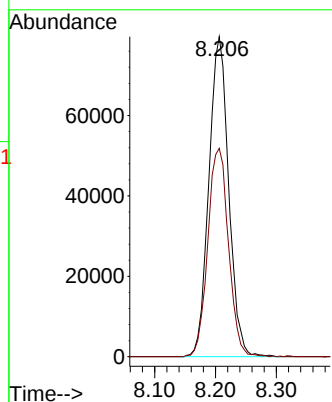
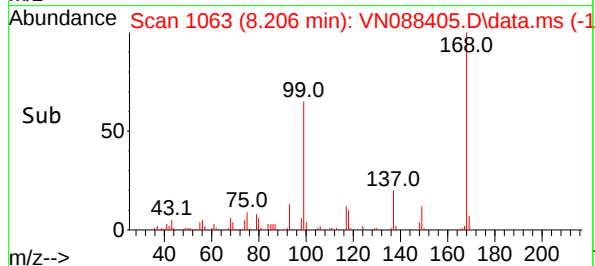
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:168 Resp: 17977
Ion Ratio Lower Upper
168 100
99 65.1 57.1 85.7

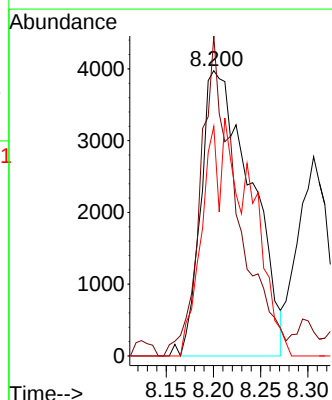
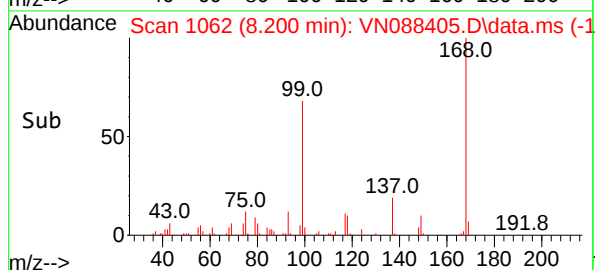
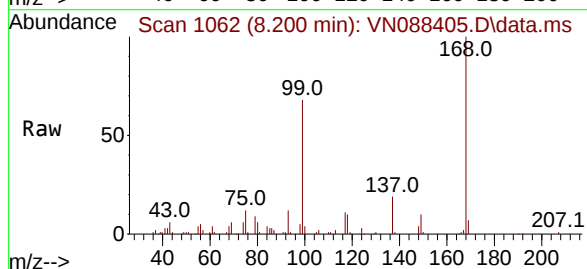
Manual Integrations
APPROVED

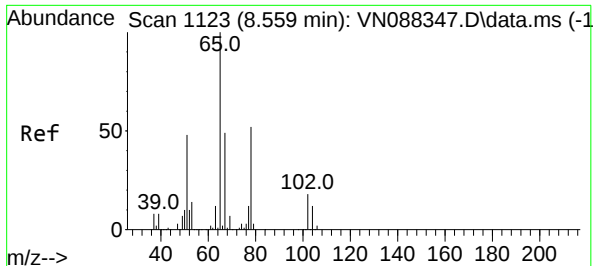
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#31
Cyclohexane
Concen: 3.284 ug/l m
RT: 8.200 min Scan# 1062
Delta R.T. -0.035 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

Tgt Ion: 56 Resp: 14628
Ion Ratio Lower Upper
56 100
69 112.1 25.3 37.9#
84 80.5 65.4 98.2





#33

1,2-Dichloroethane-d4

Concen: 56.983 ug/l

RT: 8.559 min Scan# 1123

Delta R.T. 0.000 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL

Tgt Ion: 65 Resp: 192978

Ion Ratio Lower Upper

65 100

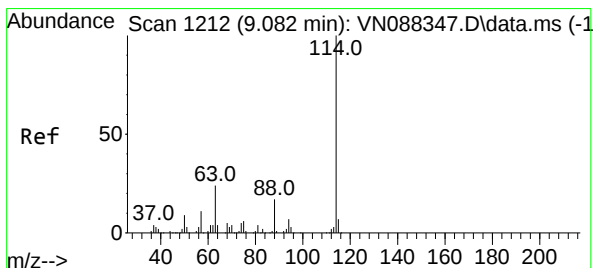
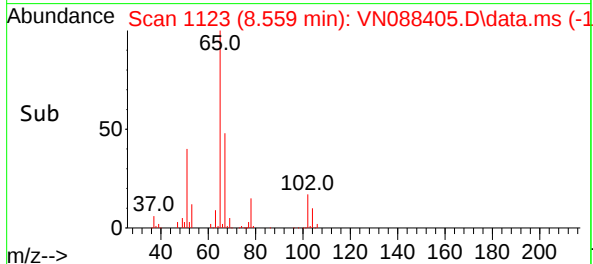
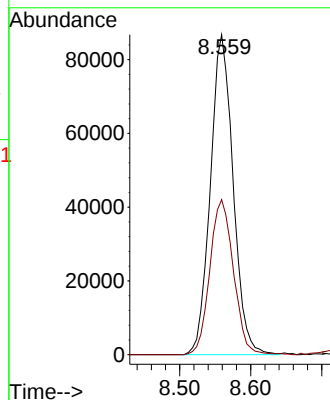
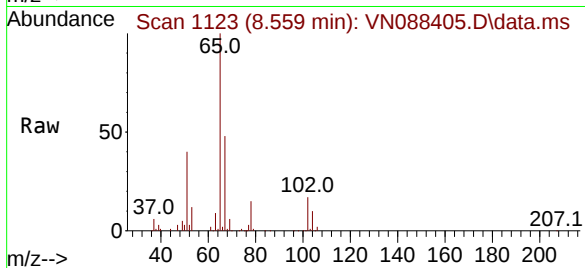
67 50.3 0.0 100.8

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1212

Delta R.T. 0.000 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

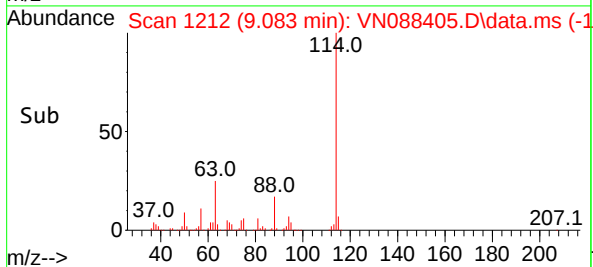
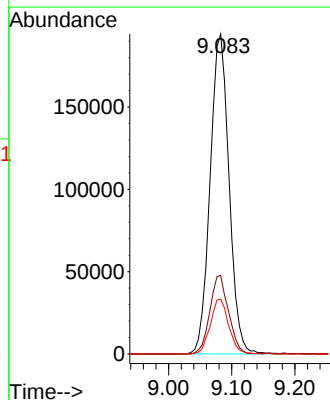
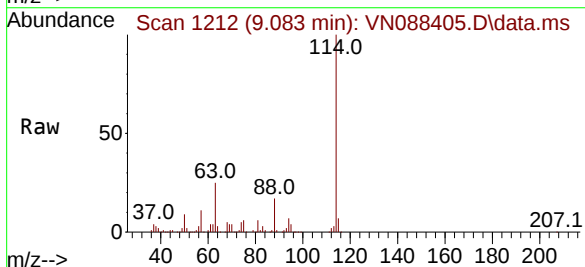
Tgt Ion:114 Resp: 404613

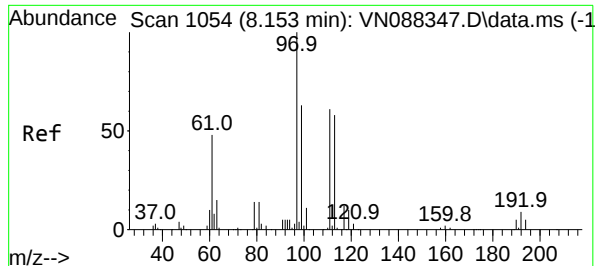
Ion Ratio Lower Upper

114 100

63 24.5 0.0 49.0

88 17.1 0.0 34.0





#35

Dibromofluoromethane

Concen: 52.011 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088405.D

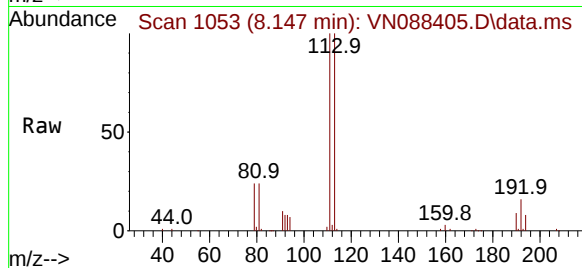
Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL



Tgt Ion:113 Resp: 14583

Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

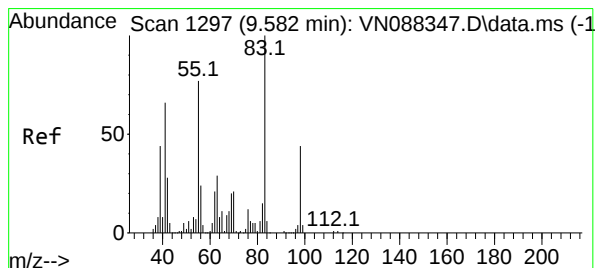
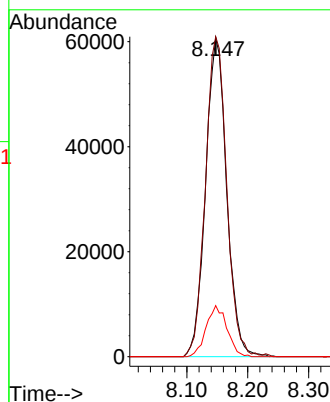
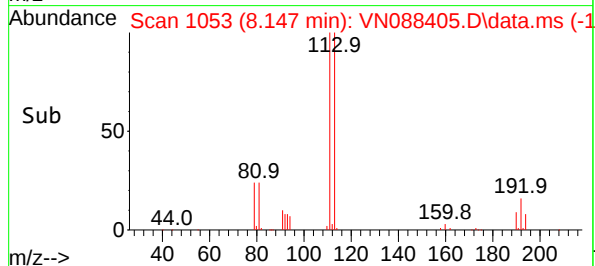
192 15.8 12.8 19.2

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#39

Methylcyclohexane

Concen: 1.933 ug/l

RT: 9.577 min Scan# 1296

Delta R.T. -0.006 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

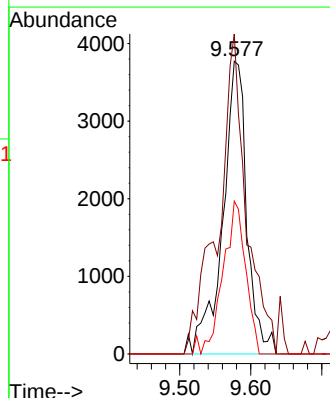
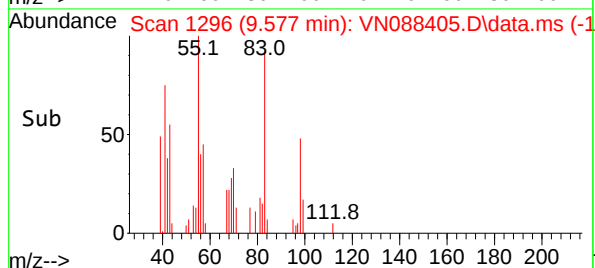
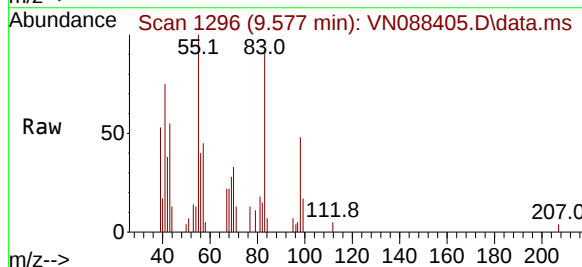
Tgt Ion: 83 Resp: 8947

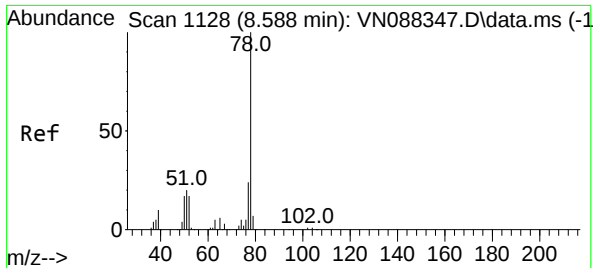
Ion Ratio Lower Upper

83 100

55 109.3 61.6 92.4#

98 52.2 35.3 52.9





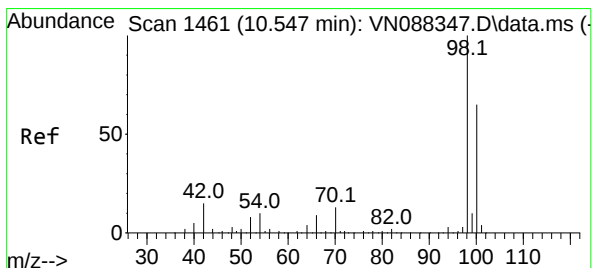
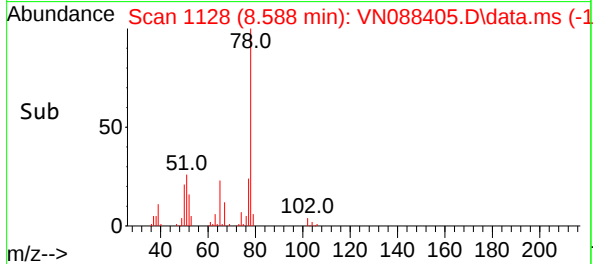
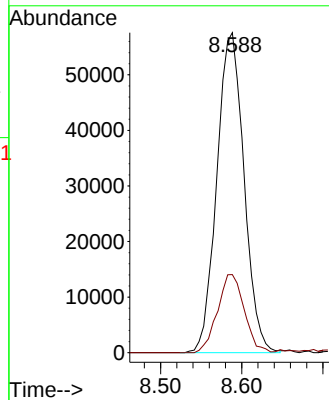
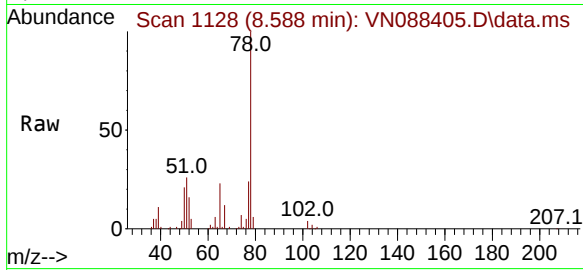
#40
Benzene
Concen: 10.547 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

Instrument :
MSVOA_N
ClientSampleId :
MW7DL

Tgt Ion: 78 Resp: 13396
Ion Ratio Lower Upper
78 100
77 24.4 19.0 28.4

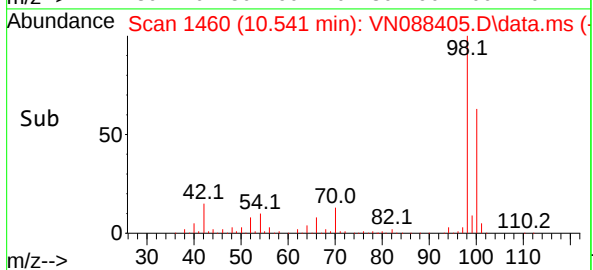
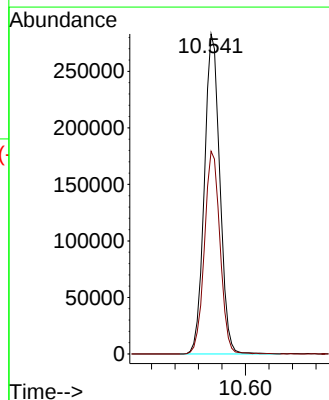
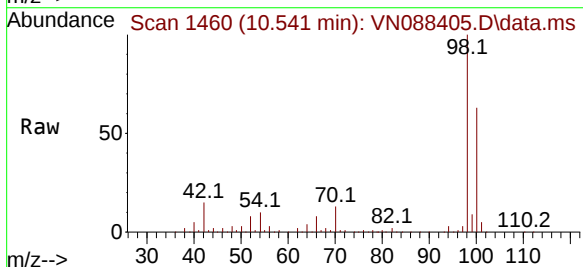
Manual Integrations
APPROVED

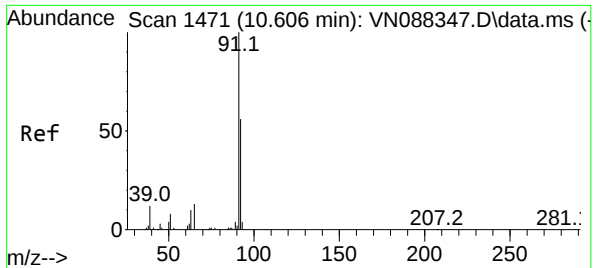
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#50
Toluene-d8
Concen: 49.601 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

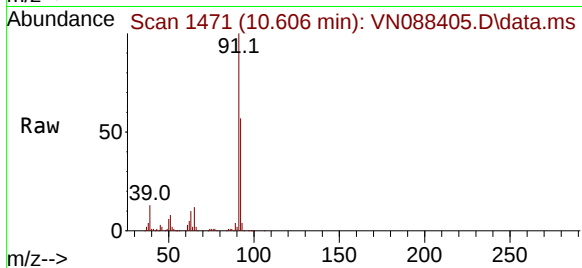
Tgt Ion: 98 Resp: 517482
Ion Ratio Lower Upper
98 100
100 63.7 52.2 78.2





#52
Toluene
Concen: 64.933 ug/l
RT: 10.606 min Scan# 1471
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

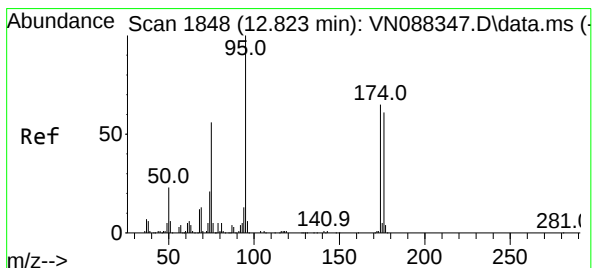
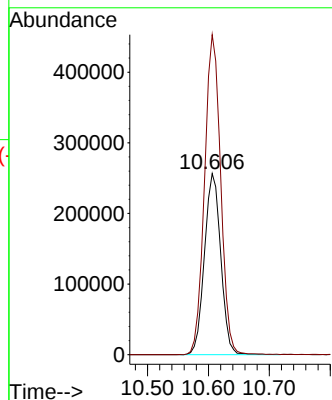
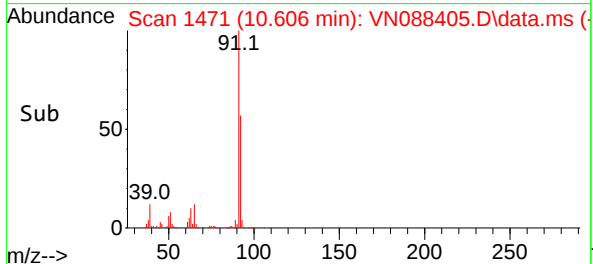
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion: 92 Resp: 47620
Ion Ratio Lower Upper
92 100
91 175.3 140.2 210.2

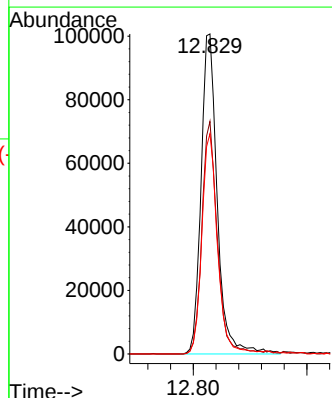
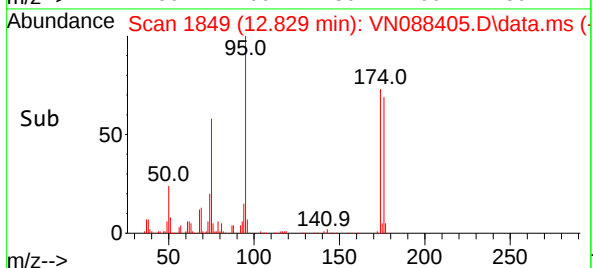
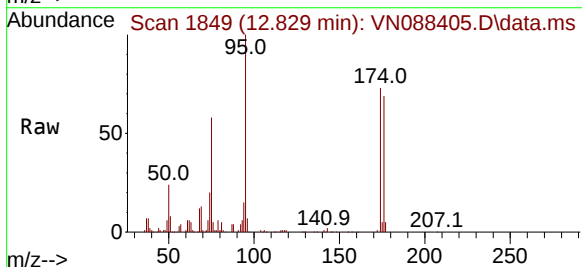
Manual Integrations
APPROVED

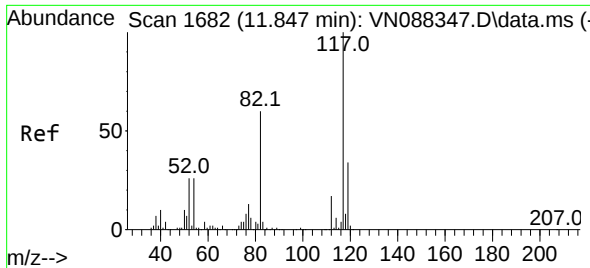
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#62
4-Bromofluorobenzene
Concen: 55.685 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

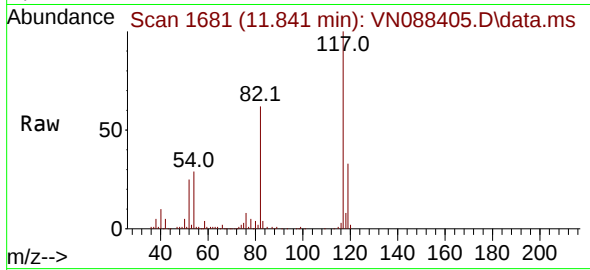
Tgt Ion: 95 Resp: 199337
Ion Ratio Lower Upper
95 100
174 69.1 0.0 139.0
176 66.3 0.0 132.4





#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

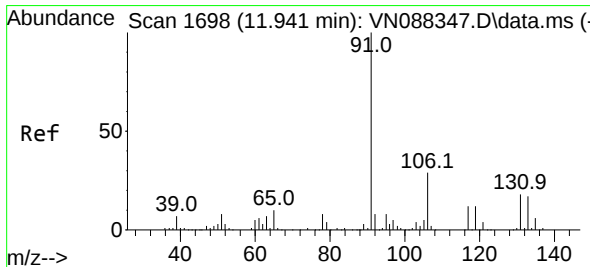
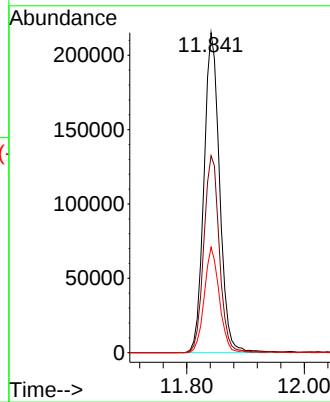
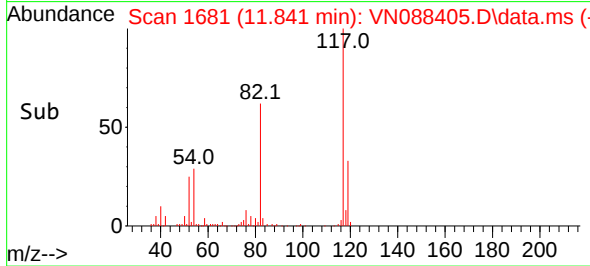
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:117 Resp: 399064
Ion Ratio Lower Upper
117 100
82 61.5 47.8 71.8
119 32.9 26.9 40.3

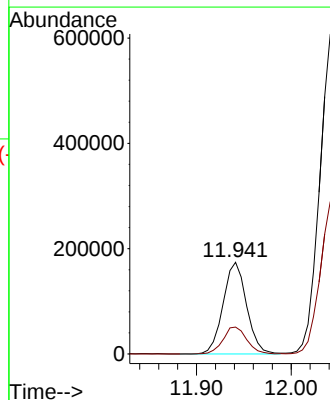
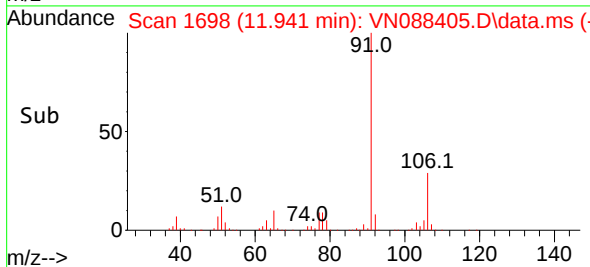
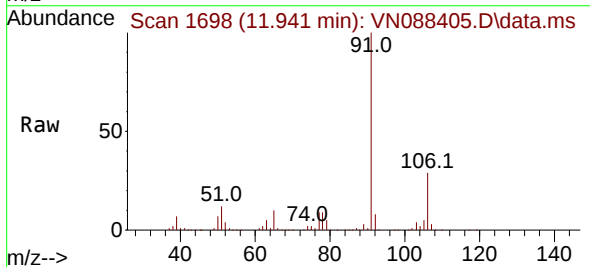
Manual Integrations
APPROVED

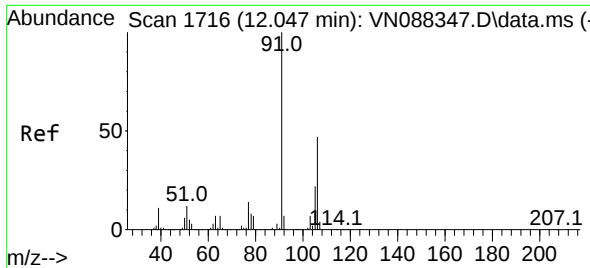
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#67
Ethyl Benzene
Concen: 19.125 ug/l
RT: 11.941 min Scan# 1698
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

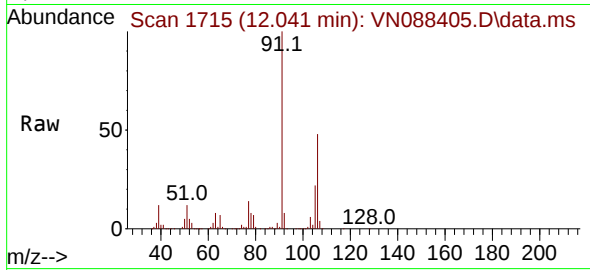
Tgt Ion: 91 Resp: 299620
Ion Ratio Lower Upper
91 100
106 29.4 23.6 35.4





#68
m/p-Xylenes
Concen: 96.101 ug/l
RT: 12.041 min Scan# 1715
Delta R.T. -0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

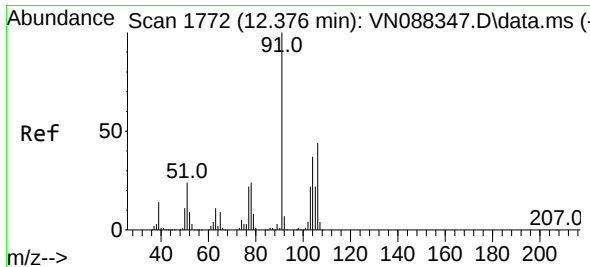
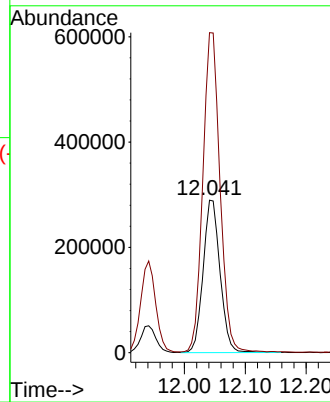
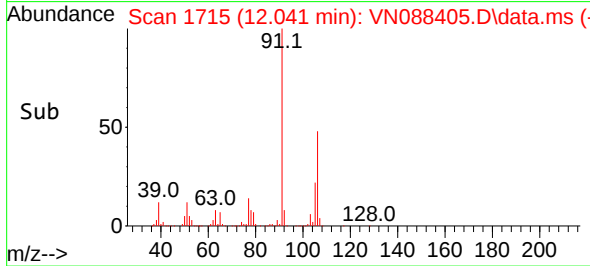
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:106 Resp: 558220
Ion Ratio Lower Upper
106 100
91 212.4 167.8 251.6

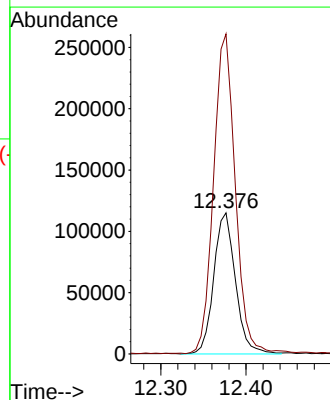
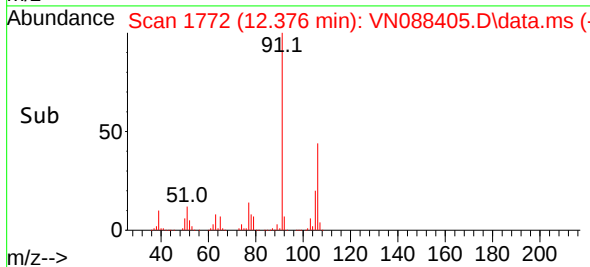
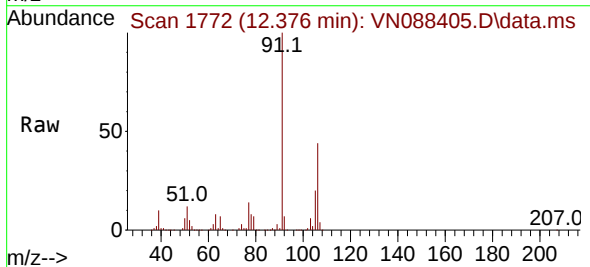
Manual Integrations
APPROVED

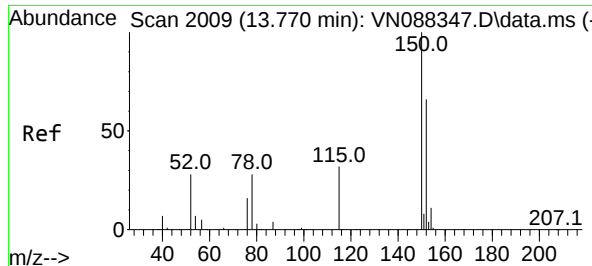
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#69
o-Xylene
Concen: 36.757 ug/l
RT: 12.376 min Scan# 1772
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

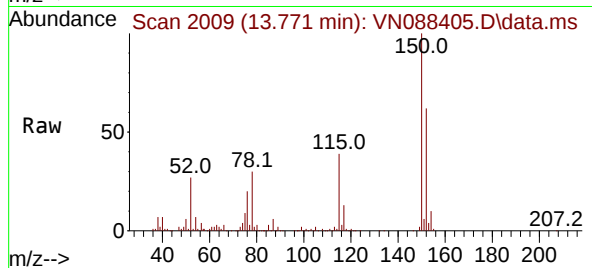
Tgt Ion:106 Resp: 203557
Ion Ratio Lower Upper
106 100
91 226.1 112.9 338.7





#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.771 min Scan# 2009
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

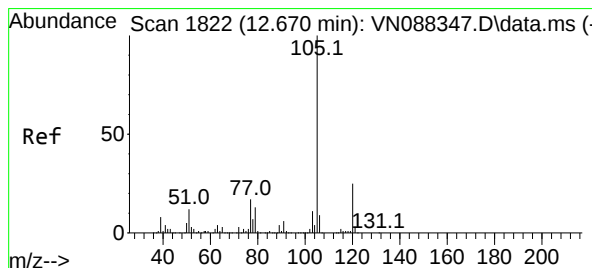
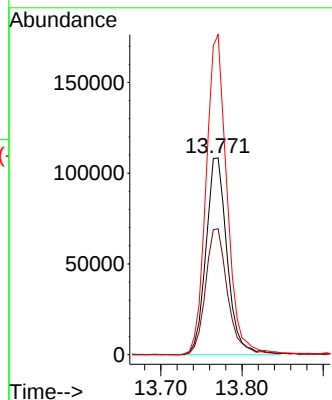
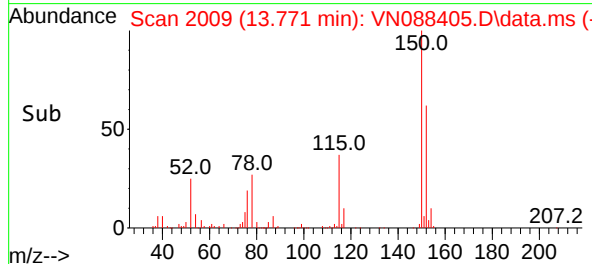
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:152 Resp: 196778
Ion Ratio Lower Upper
152 100
115 67.4 33.0 98.9
150 160.9 0.0 349.0

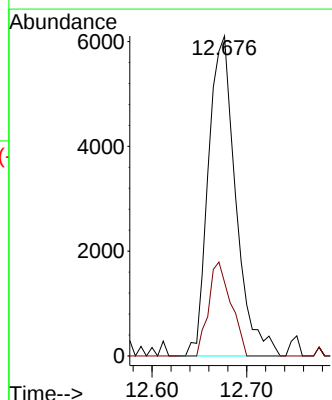
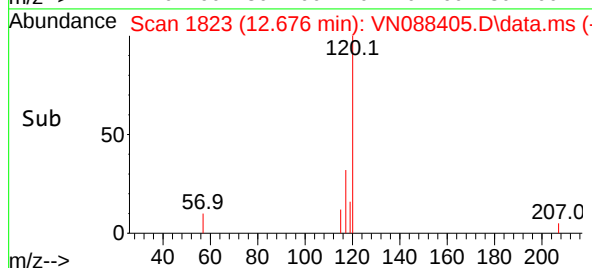
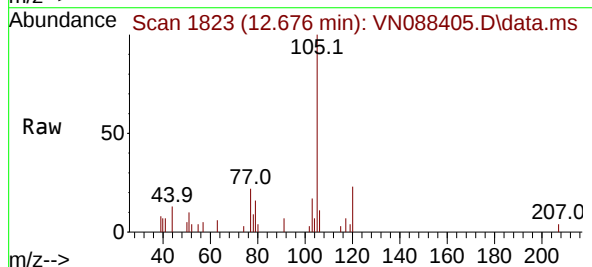
Manual Integrations
APPROVED

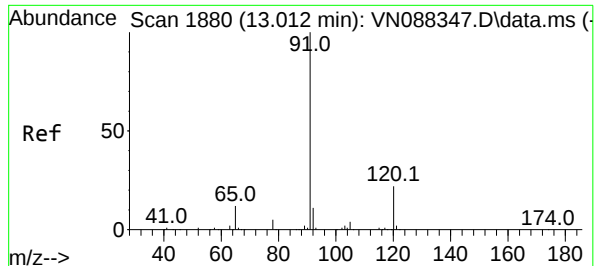
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#73
Isopropylbenzene
Concen: 0.842 ug/l
RT: 12.676 min Scan# 1823
Delta R.T. 0.006 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

Tgt Ion:105 Resp: 12257
Ion Ratio Lower Upper
105 100
120 24.0 12.8 38.3





#78

n-propylbenzene

Concen: 3.210 ug/l

RT: 13.012 min Scan# 1880

Delta R.T. 0.000 min

Lab File: VN088405.D

Acq: 02 Dec 2025 13:16

Instrument :

MSVOA_N

ClientSampleId :

MW7DL

Tgt Ion: 91 Resp: 5713

Ion Ratio Lower Upper

91 100

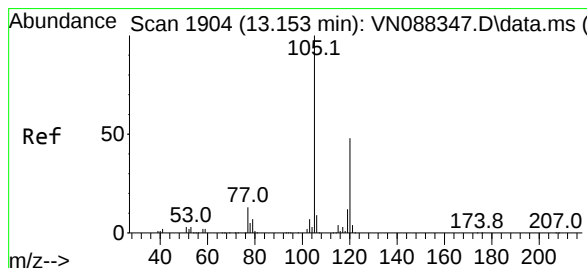
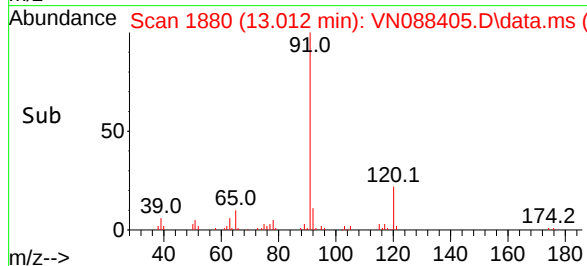
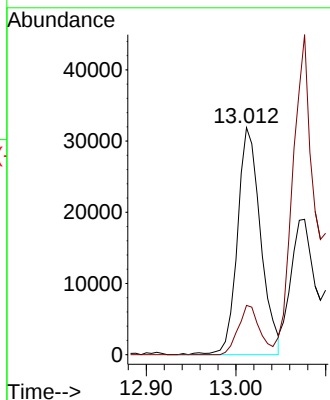
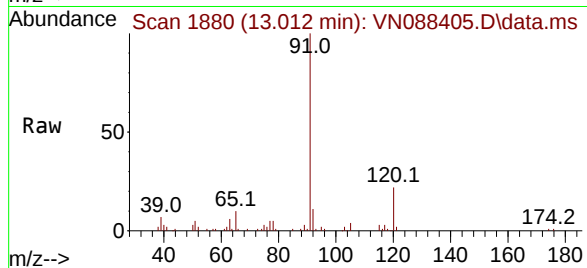
120 20.2 10.9 32.6

Manual Integrations

APPROVED

Reviewed By :John Carlone 12/03/2025

Supervised By :Mahesh Dadoda 12/03/2025



#80

1,3,5-Trimethylbenzene

Concen: 9.290 ug/l

RT: 13.147 min Scan# 1903

Delta R.T. -0.006 min

Lab File: VN088405.D

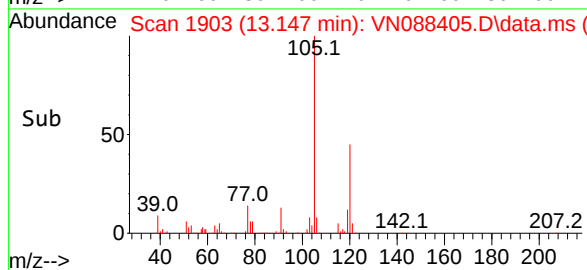
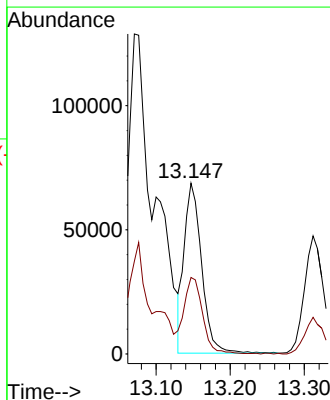
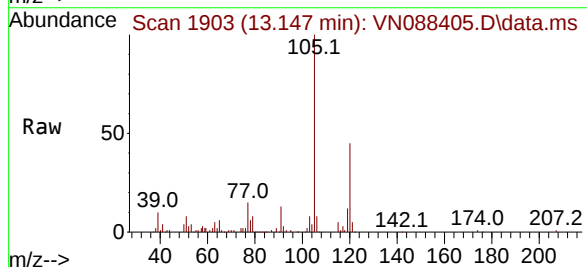
Acq: 02 Dec 2025 13:16

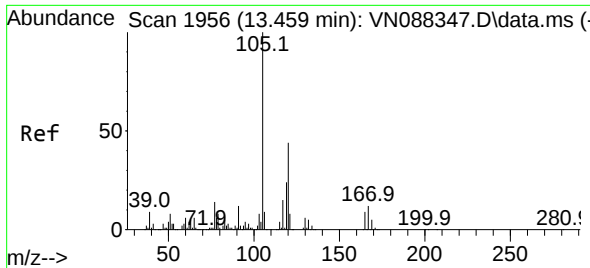
Tgt Ion:105 Resp: 112000

Ion Ratio Lower Upper

105 100

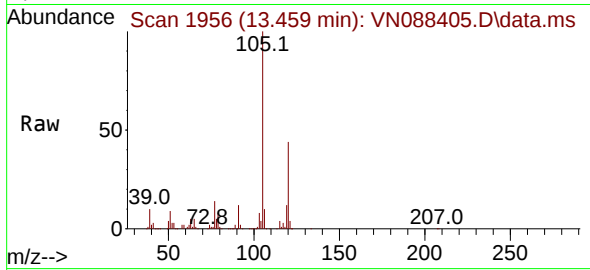
120 49.1 23.8 71.5





#84
1,2,4-Trimethylbenzene
Concen: 33.199 ug/l
RT: 13.459 min Scan# 1956
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

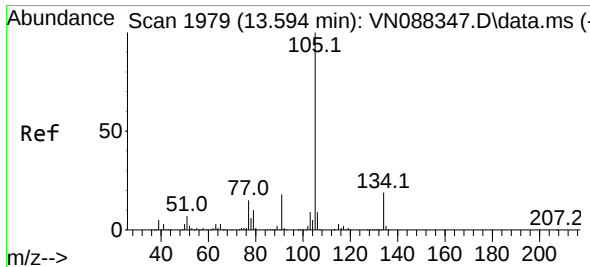
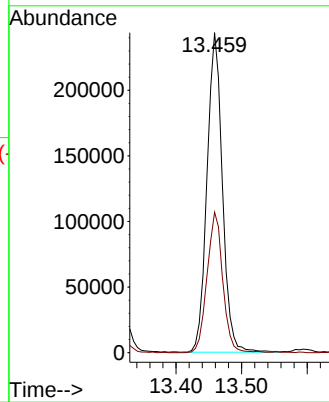
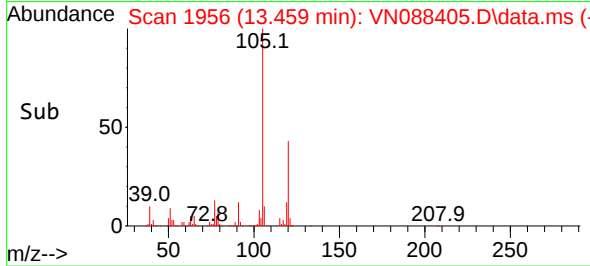
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion:105 Resp: 39784
Ion Ratio Lower Upper
105 100
120 45.0 22.1 66.1

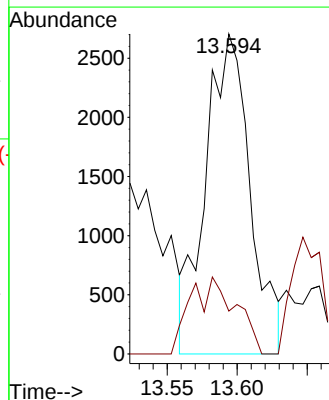
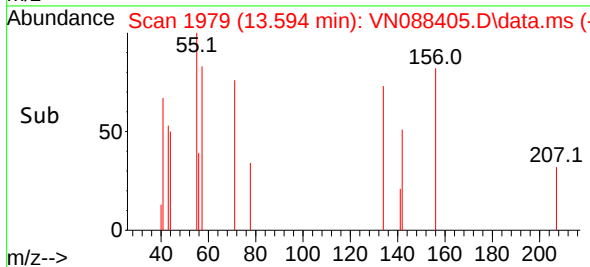
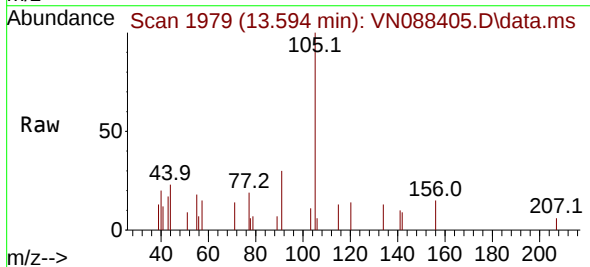
Manual Integrations
APPROVED

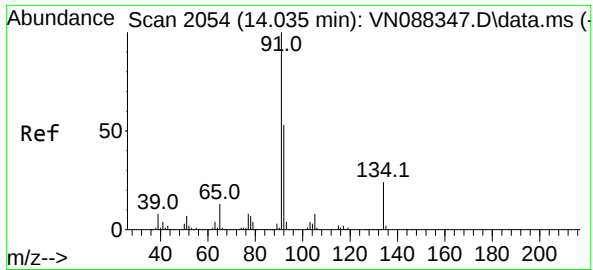
Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



#85
sec-Butylbenzene
Concen: 0.409 ug/l m
RT: 13.594 min Scan# 1979
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

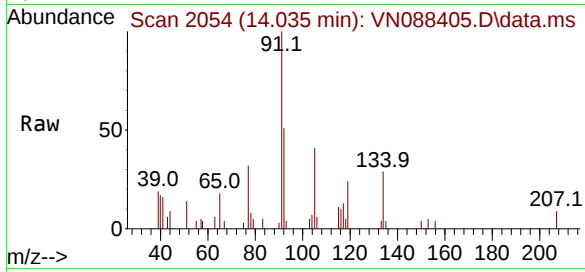
Tgt Ion:105 Resp: 6021
Ion Ratio Lower Upper
105 100
134 0.0 9.5 28.5#





#89
n-Butylbenzene
Concen: 0.855 ug/l m
RT: 14.035 min Scan# 2054
Delta R.T. 0.000 min
Lab File: VN088405.D
Acq: 02 Dec 2025 13:16

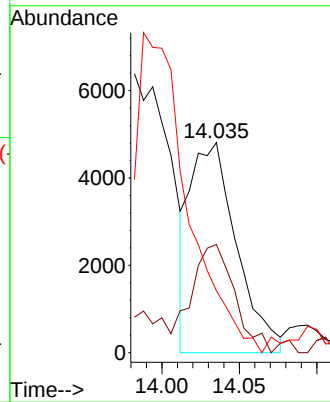
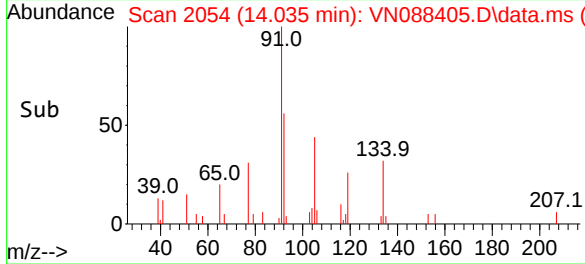
Instrument :
MSVOA_N
ClientSampleId :
MW7DL



Tgt Ion	Ratio	Lower	Upper
91	100		
92	49.7	26.1	78.3
134	0.0	11.7	35.1

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



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%

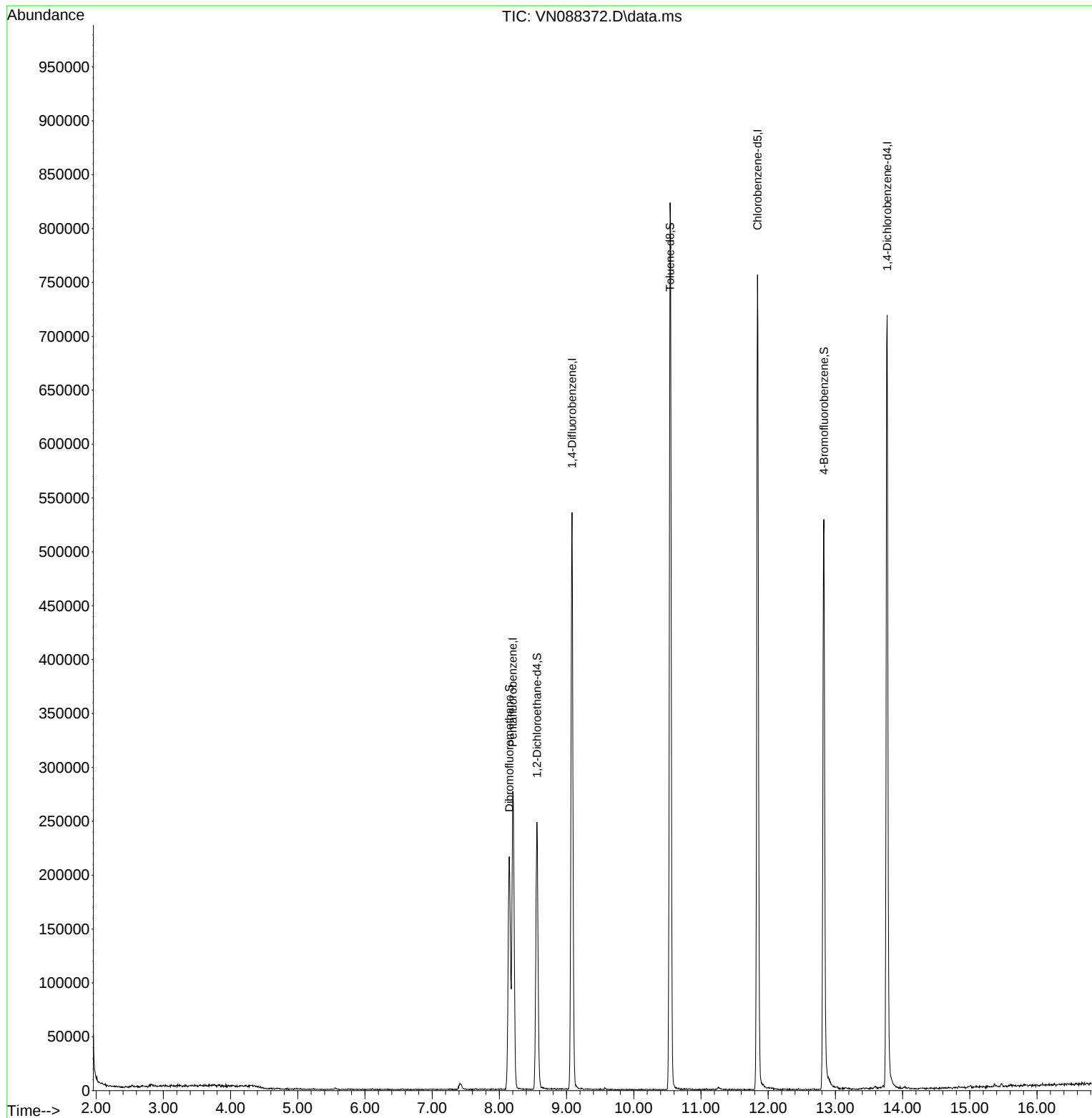
Target Compounds	Qvalue

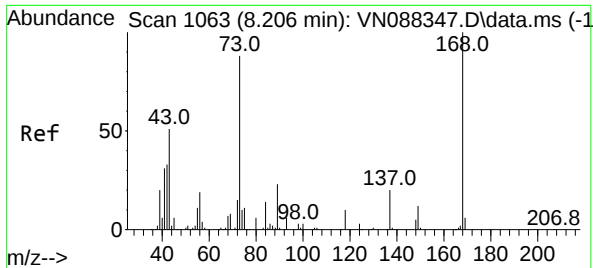
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

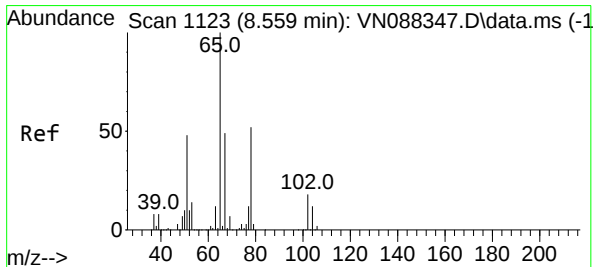
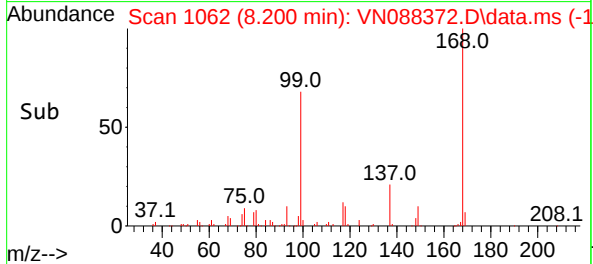
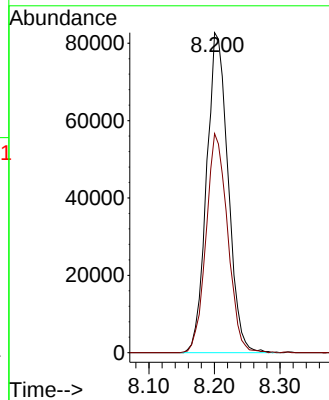
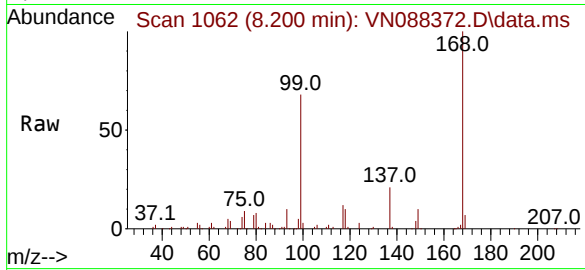




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.200 min Scan# 1063
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

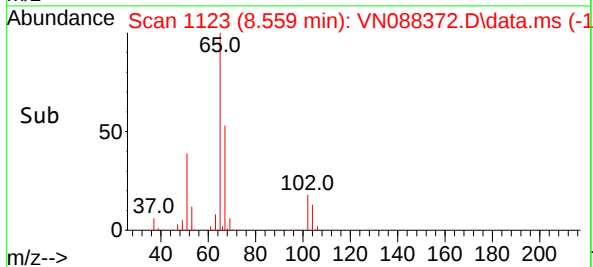
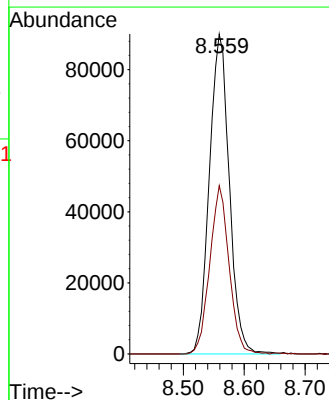
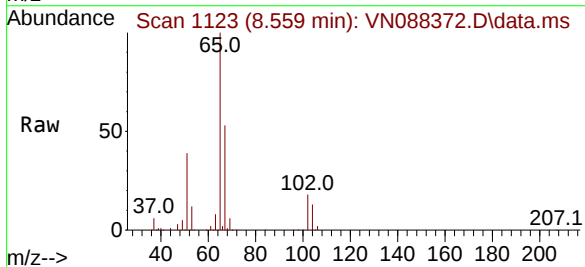
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

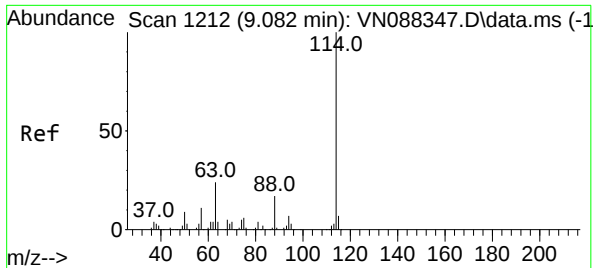
Tgt Ion:168 Resp: 188076
Ion Ratio Lower Upper
168 100
99 68.5 57.1 85.7



#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# 11

Delta R.T. 0.000 min

Lab File: VN088372.D

Acq: 01 Dec 2025 10:53

Instrument :

MSVOA_N

ClientSampleId :

VN1201WBL01

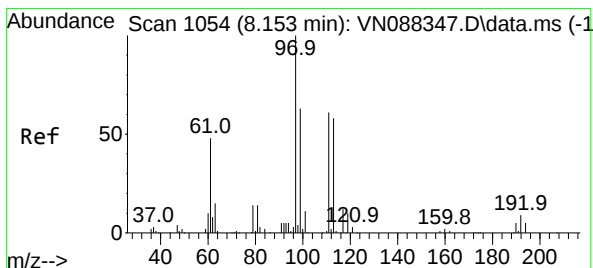
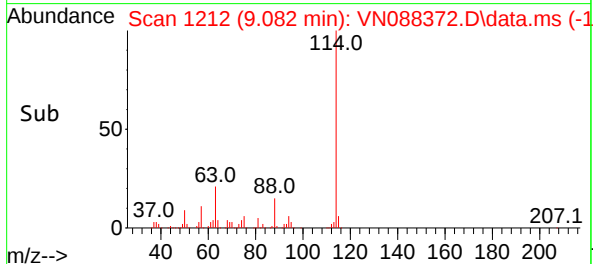
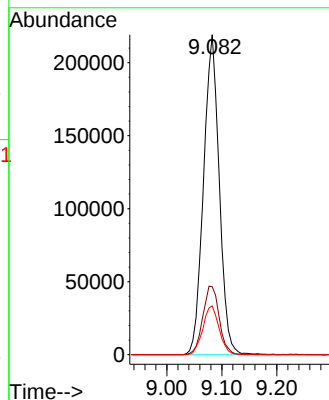
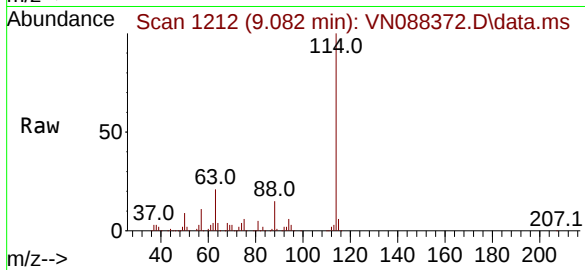
Tgt Ion:114 Resp: 435319

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

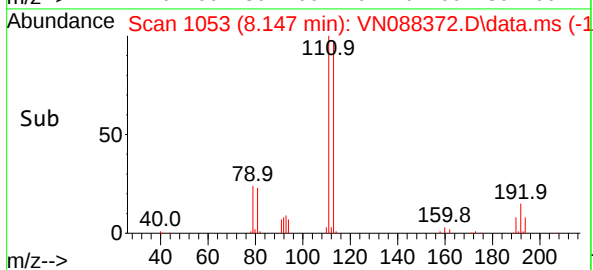
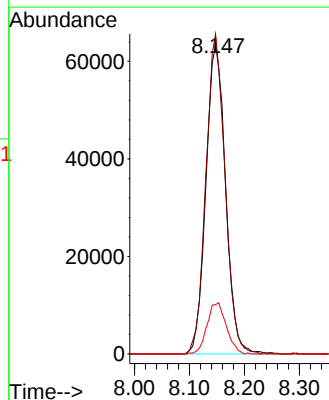
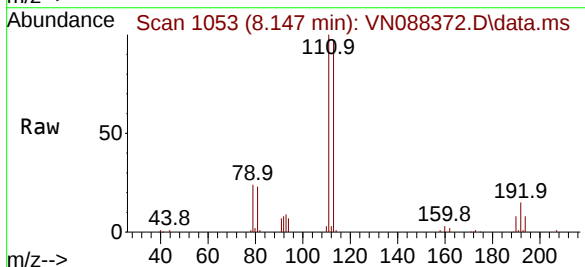
Tgt Ion:113 Resp: 157356

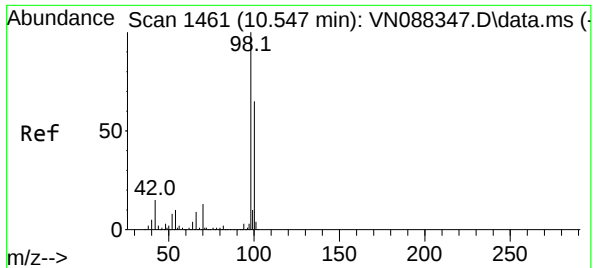
Ion Ratio Lower Upper

113 100

111 101.1 82.5 123.7

192 16.3 12.8 19.2

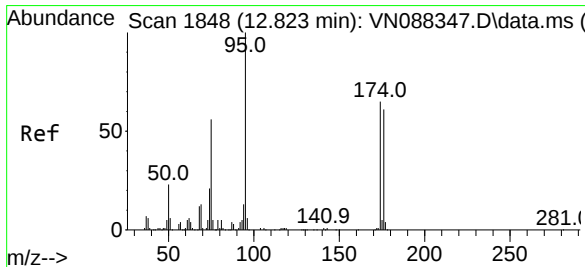
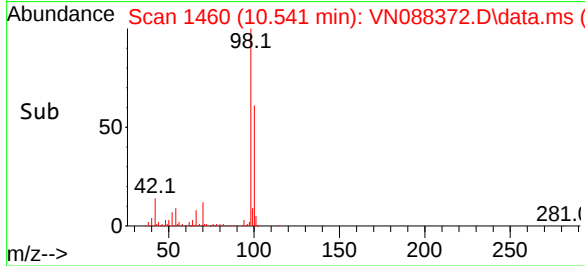
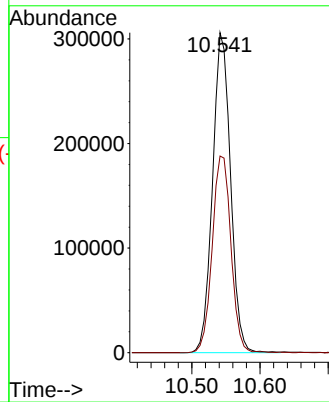
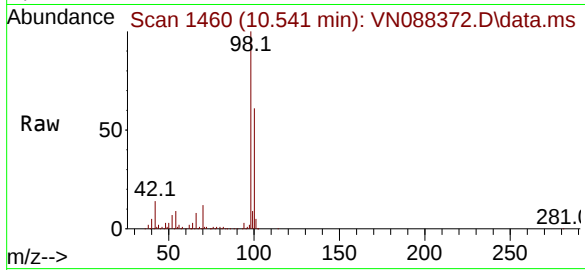




#50
Toluene-d8
Concen: 49.987 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

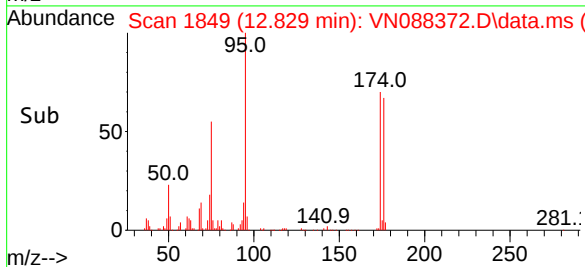
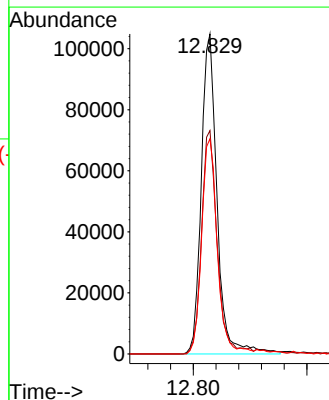
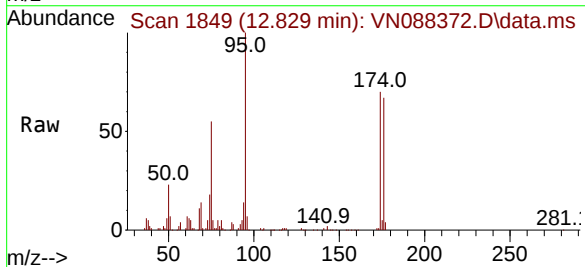
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

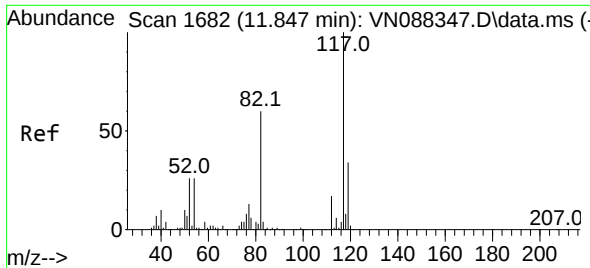
Tgt Ion: 98 Resp: 561082
Ion Ratio Lower Upper
98 100
100 64.0 52.2 78.2



#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

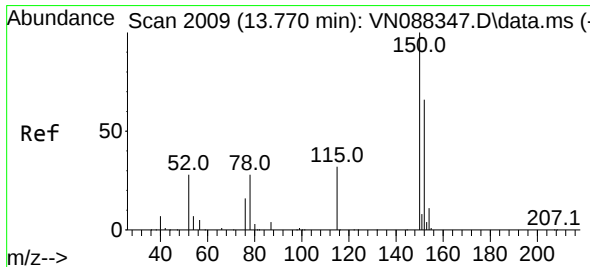
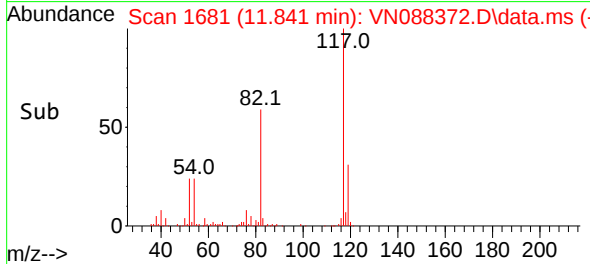
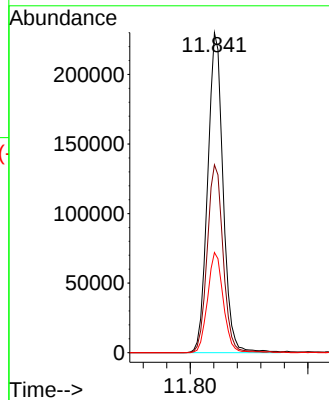
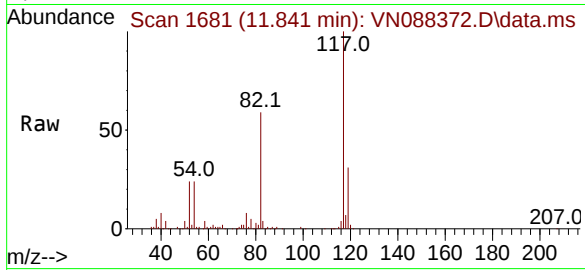




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 11
Delta R.T. -0.006 min
Lab File: VN088372.D
Acq: 01 Dec 2025 10:53

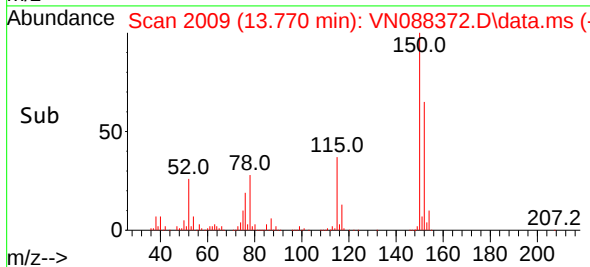
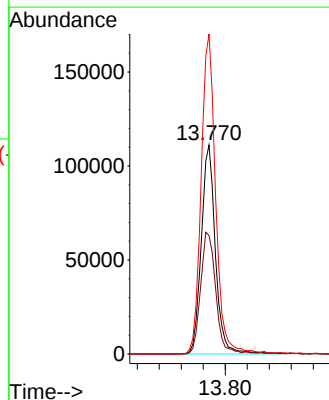
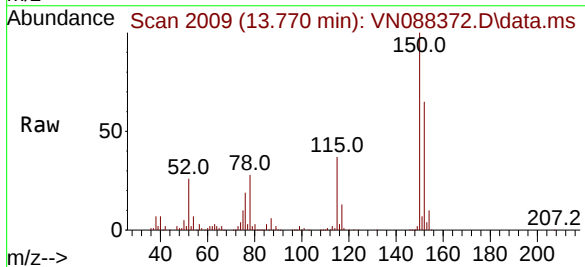
Instrument :
MSVOA_N
ClientSampleId :
VN1201WBL01

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%

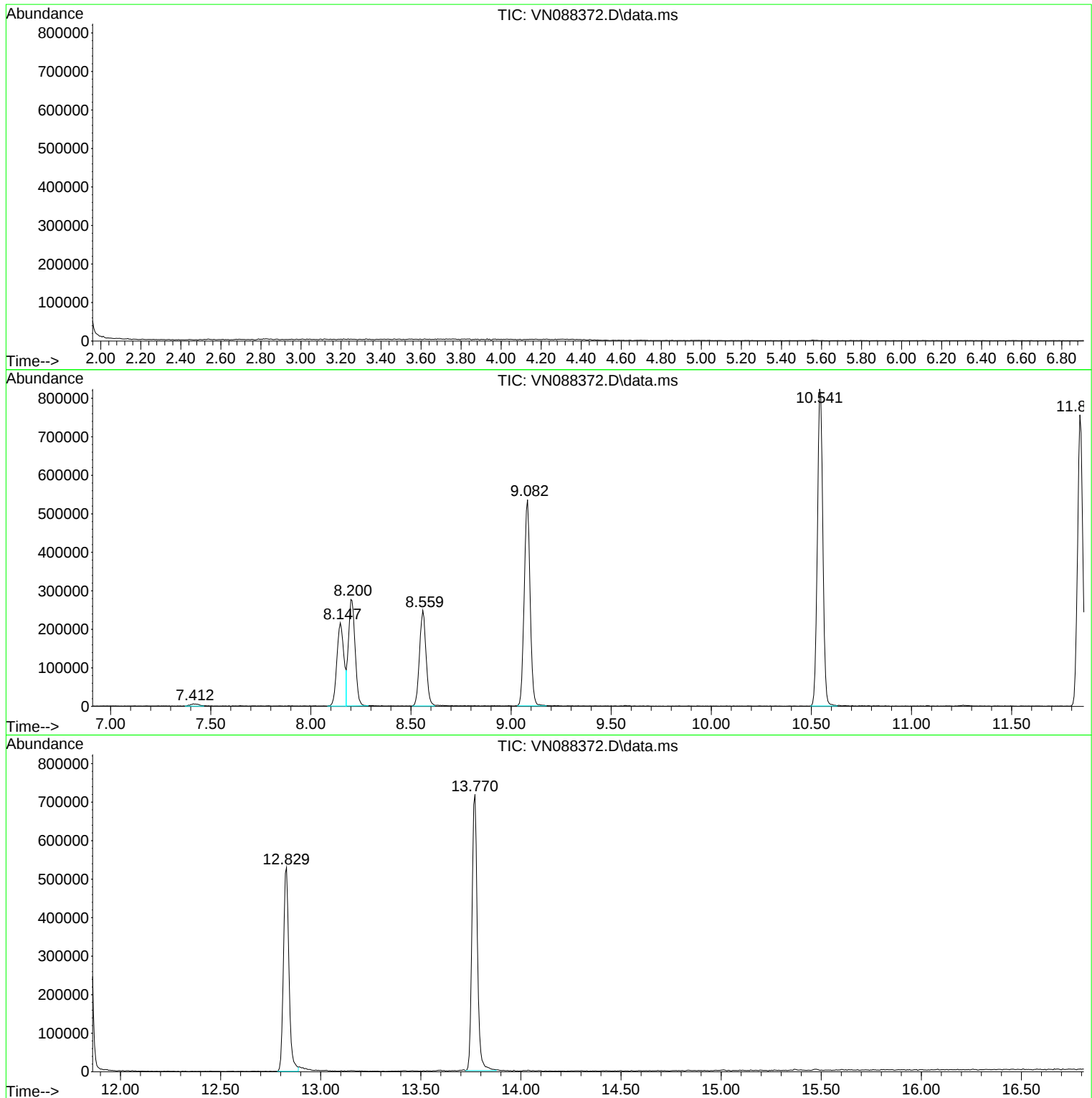
Sum of corrected areas: 8133289

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



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

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_N\Data\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

Quant Time: Dec 03 01:24:12 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	181798	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	415636	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	401801	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	185686	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	209307	61.117	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	122.240%
35) Dibromofluoromethane	8.141	113	150997	52.423	ug/l	-0.01
Spiked Amount	50.000	Range	75 - 124	Recovery	=	104.840%
50) Toluene-d8	10.541	98	537087	50.115	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	100.220%
62) 4-Bromofluorobenzene	12.823	95	190598	51.832	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	103.660%

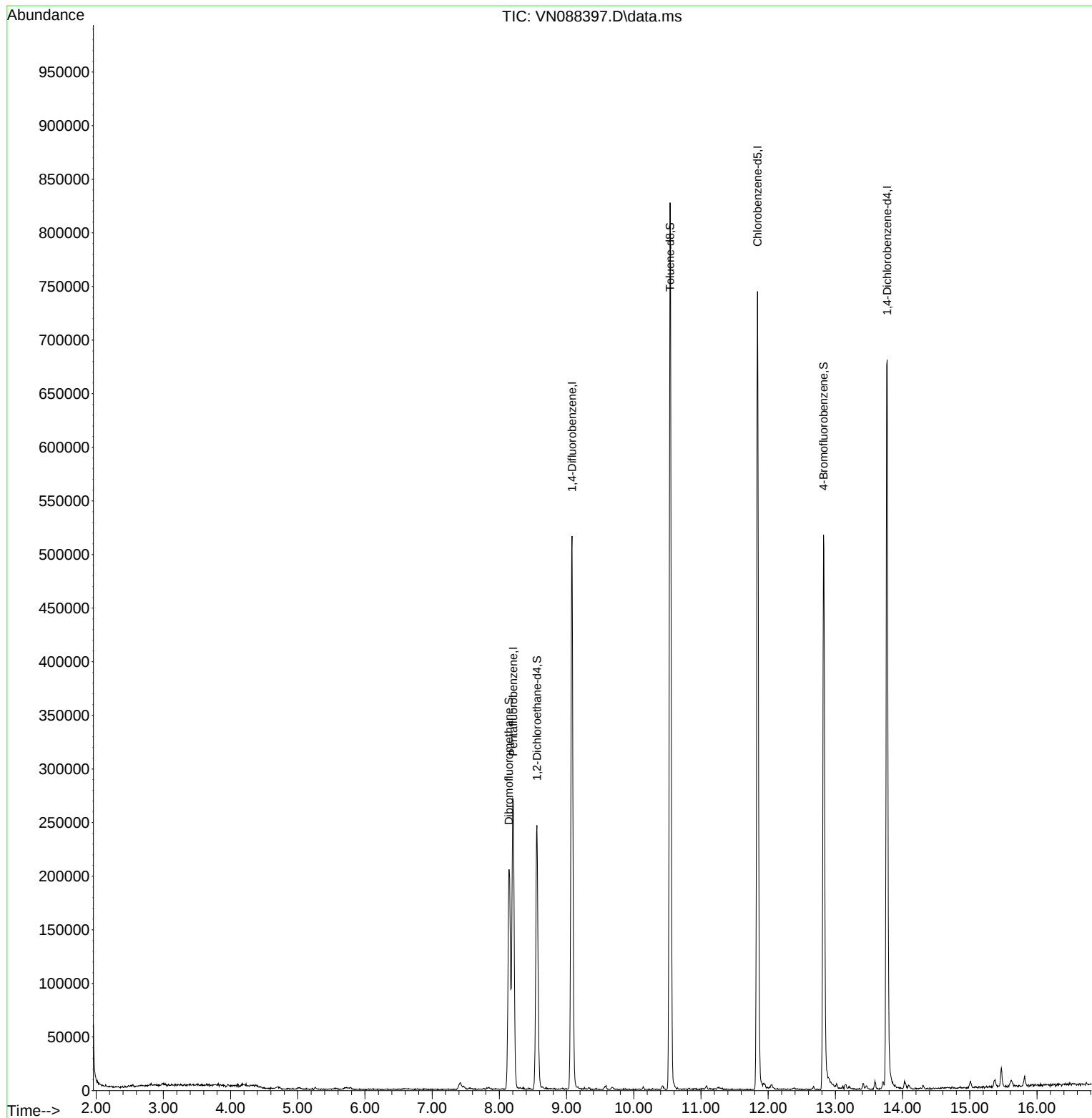
Target Compounds	Qvalue

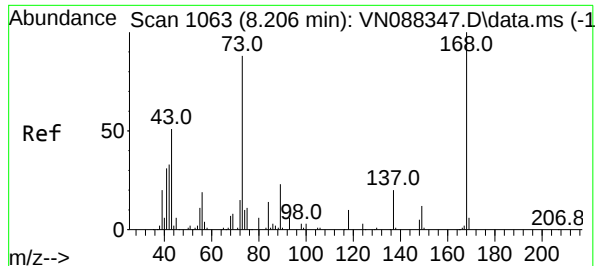
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

Quant Time: Dec 03 01:24:12 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

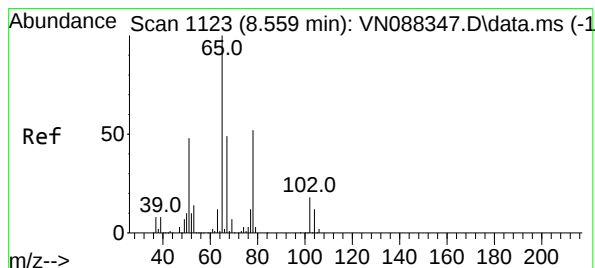
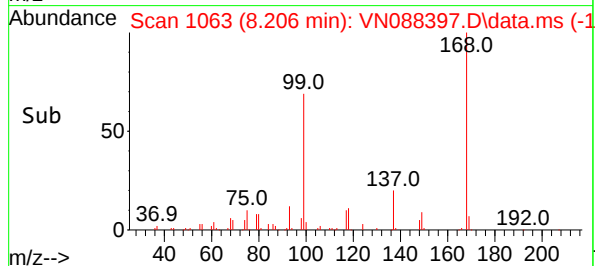
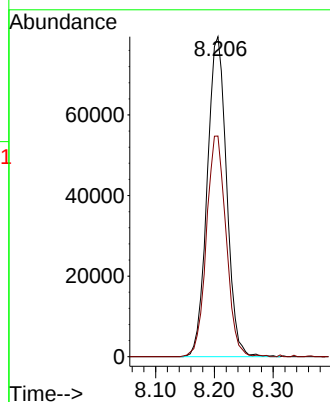
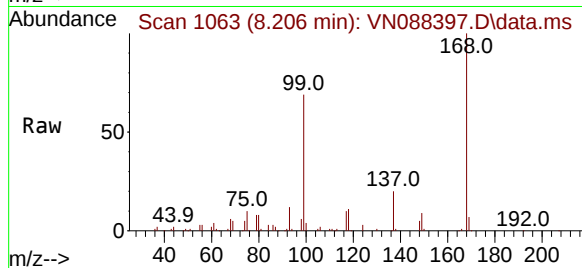




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.000 min
Lab File: VN088397.D
Acq: 02 Dec 2025 10:20

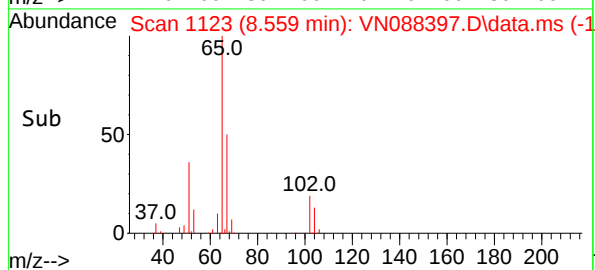
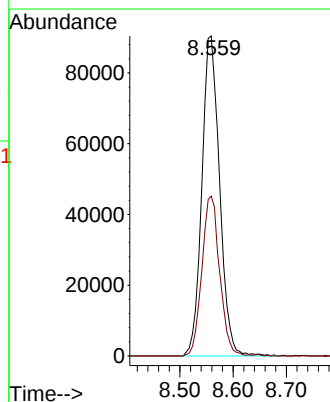
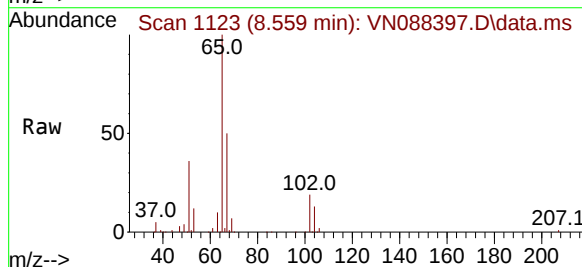
Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

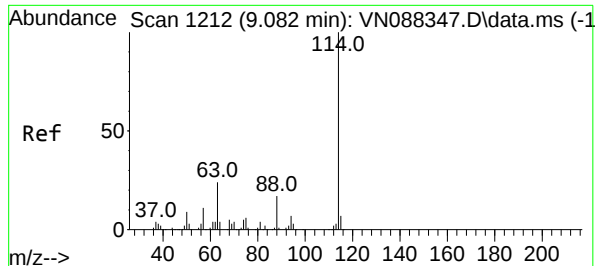
Tgt Ion:168 Resp: 181798
Ion Ratio Lower Upper
168 100
99 69.0 57.1 85.7



#33
1,2-Dichloroethane-d4
Concen: 61.117 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. -0.000 min
Lab File: VN088397.D
Acq: 02 Dec 2025 10:20

Tgt Ion: 65 Resp: 209307
Ion Ratio Lower Upper
65 100
67 50.0 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.082 min Scan# 11

Delta R.T. -0.000 min

Lab File: VN088397.D

Acq: 02 Dec 2025 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1202WBL01

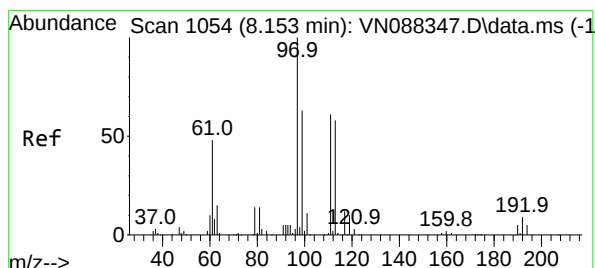
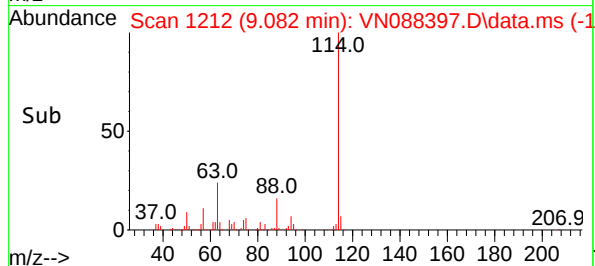
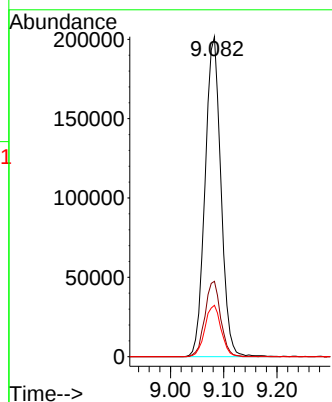
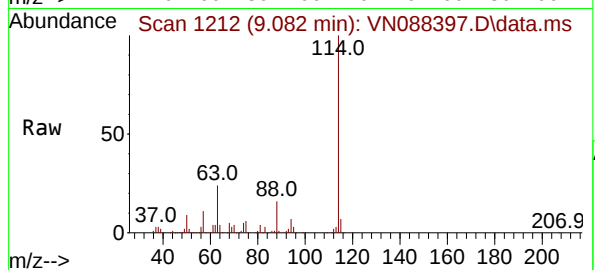
Tgt Ion:114 Resp: 415636

Ion Ratio Lower Upper

114 100

63 23.5 0.0 49.0

88 16.0 0.0 34.0



#35

Dibromofluoromethane

Concen: 52.423 ug/l

RT: 8.141 min Scan# 1052

Delta R.T. -0.012 min

Lab File: VN088397.D

Acq: 02 Dec 2025 10:20

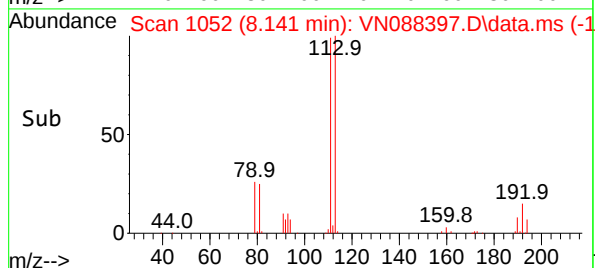
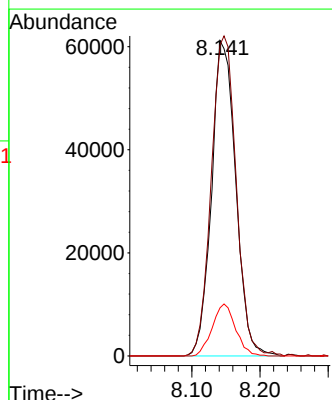
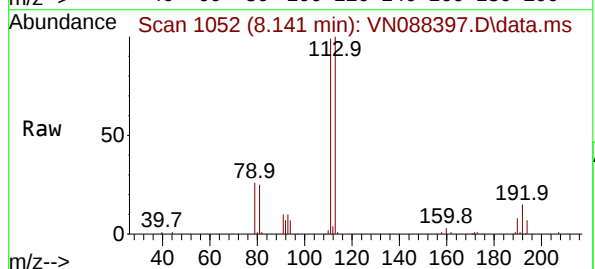
Tgt Ion:113 Resp: 150997

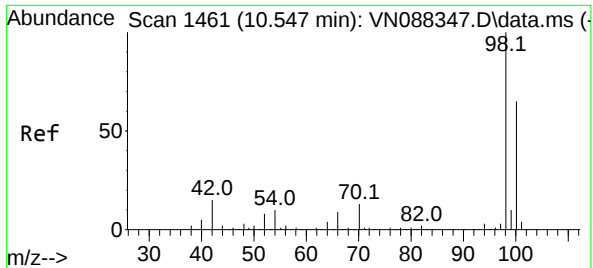
Ion Ratio Lower Upper

113 100

111 104.4 82.5 123.7

192 16.0 12.8 19.2

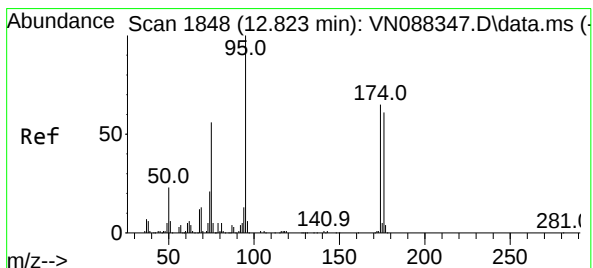
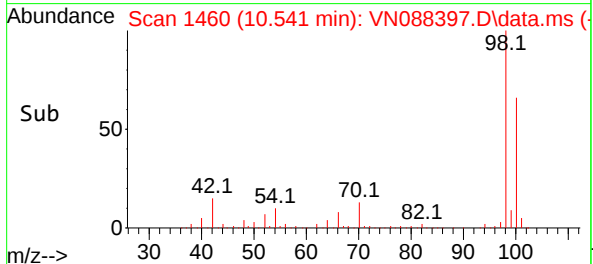
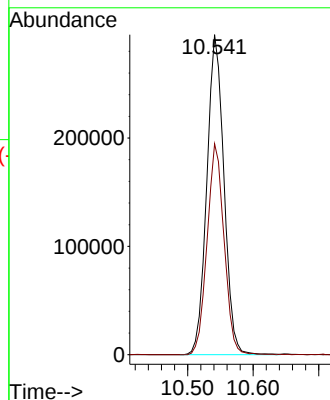
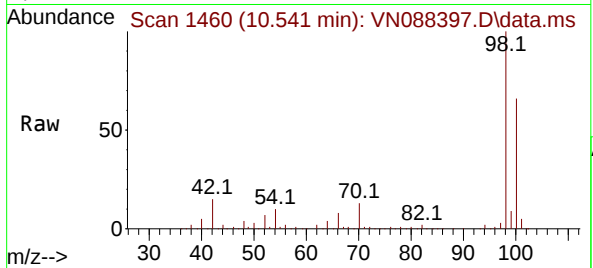




#50
Toluene-d8
Concen: 50.115 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. -0.006 min
Lab File: VN088397.D
Acq: 02 Dec 2025 10:20

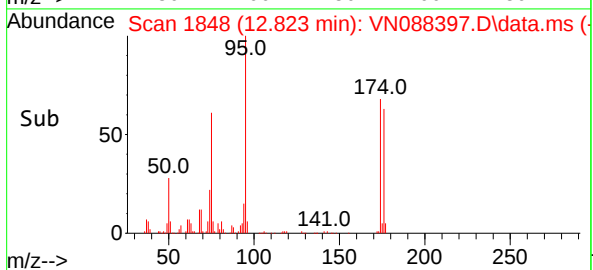
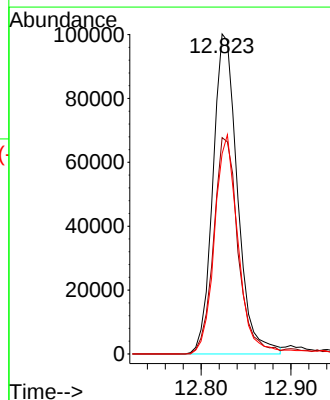
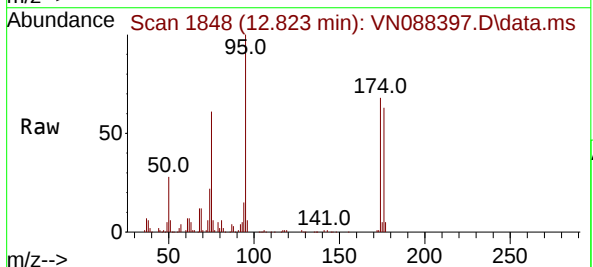
Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

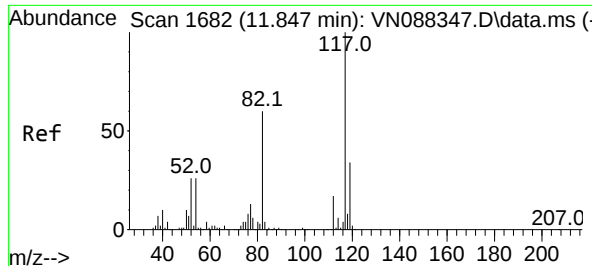
Tgt Ion: 98 Resp: 537087
Ion Ratio Lower Upper
98 100
100 65.2 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 51.832 ug/l
RT: 12.823 min Scan# 1848
Delta R.T. -0.000 min
Lab File: VN088397.D
Acq: 02 Dec 2025 10:20

Tgt Ion: 95 Resp: 190598
Ion Ratio Lower Upper
95 100
174 67.4 0.0 139.0
176 66.5 0.0 132.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.841 min Scan# 1

Delta R.T. -0.006 min

Lab File: VN088397.D

Acq: 02 Dec 2025 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN1202WBL01

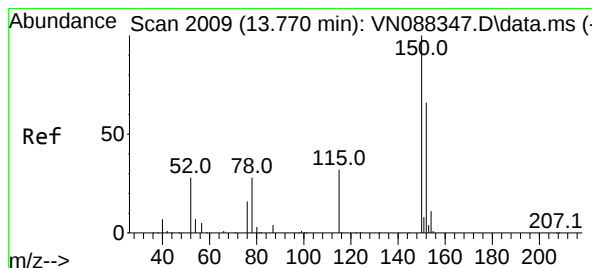
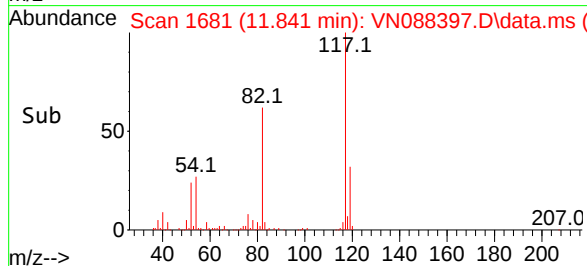
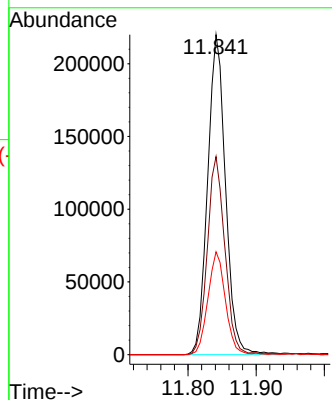
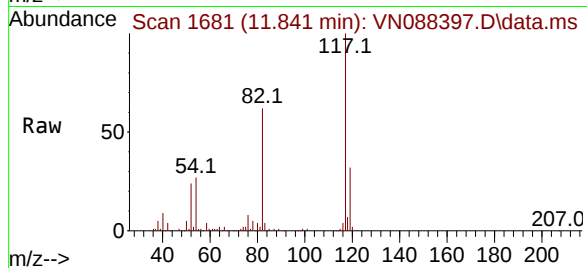
Tgt Ion:117 Resp: 401801

Ion Ratio Lower Upper

117 100

82 61.9 47.8 71.8

119 32.1 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: VN088397.D

Acq: 02 Dec 2025 10:20

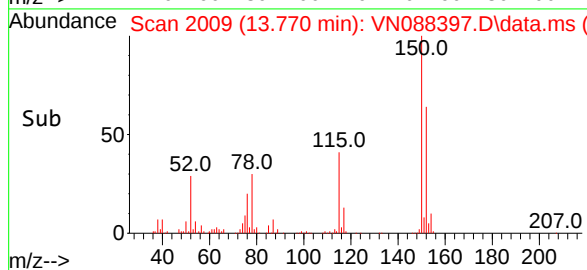
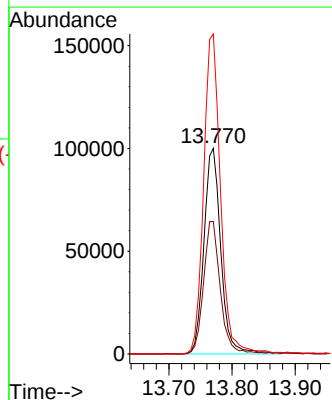
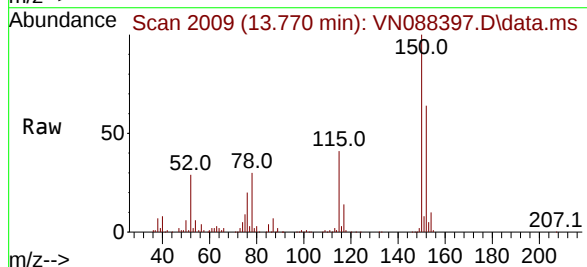
Tgt Ion:152 Resp: 185686

Ion Ratio Lower Upper

152 100

115 63.7 33.0 98.9

150 155.6 0.0 349.0



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

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_N\methods\82N112425W.M
Title : SW846 8260

Signal : TIC: VN088397.D\data.ms

peak #	R.T. min	first scan	max scan	last scan	PK TY	peak height	corr. area	corr. % max.	% of total
1	7.424	919	930	936	rBV3	6492	21258	1.40%	0.266%
2	8.141	1043	1052	1057	rBV	204776	500870	33.01%	6.265%
3	8.200	1057	1062	1076	rVB	270400	648173	42.72%	8.108%
4	8.559	1114	1123	1134	rBV	246216	563383	37.13%	7.047%
5	9.082	1200	1212	1225	rBV	515879	1079886	71.17%	13.508%
6	10.541	1450	1460	1476	rBV	827452	1517242	100.00%	18.979%
7	11.841	1672	1681	1694	rBV	744504	1367718	90.15%	17.109%
8	12.823	1840	1848	1859	rBV	517805	974619	64.24%	12.192%
9	13.770	2001	2009	2022	rVV	677307	1257218	82.86%	15.727%
10	15.376	2274	2282	2288	rBV7	7514	17829	1.18%	0.223%
11	15.470	2293	2298	2307	rVB5	17743	30566	2.01%	0.382%
12	15.817	2351	2357	2363	rVB6	9366	15387	1.01%	0.192%

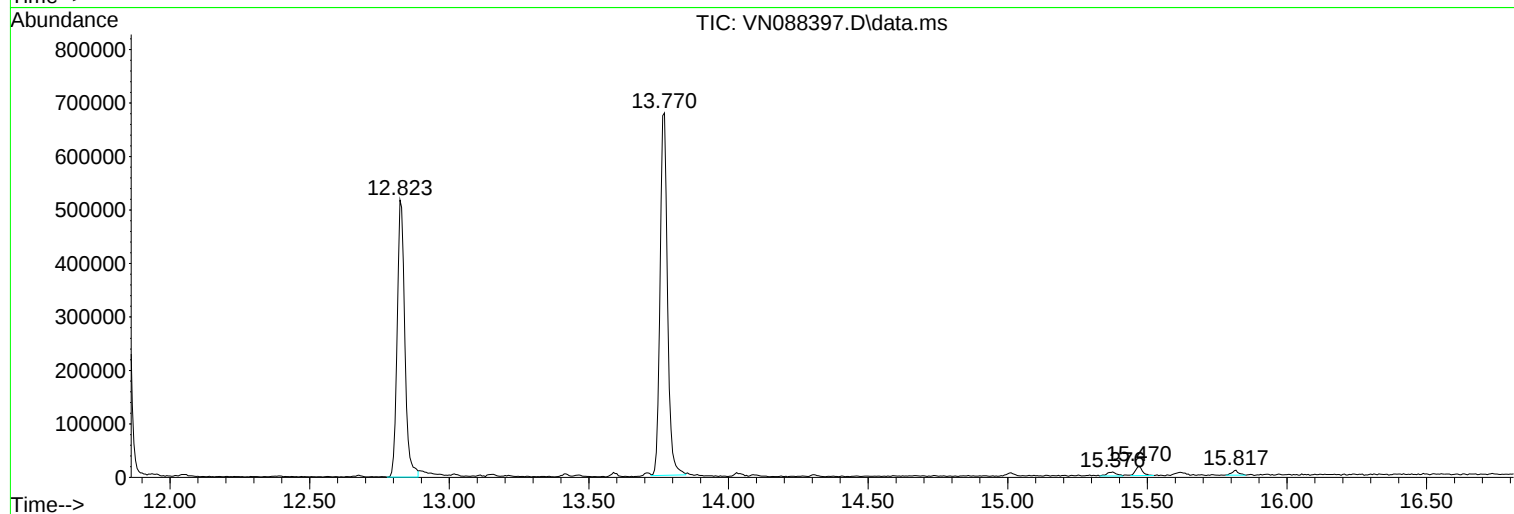
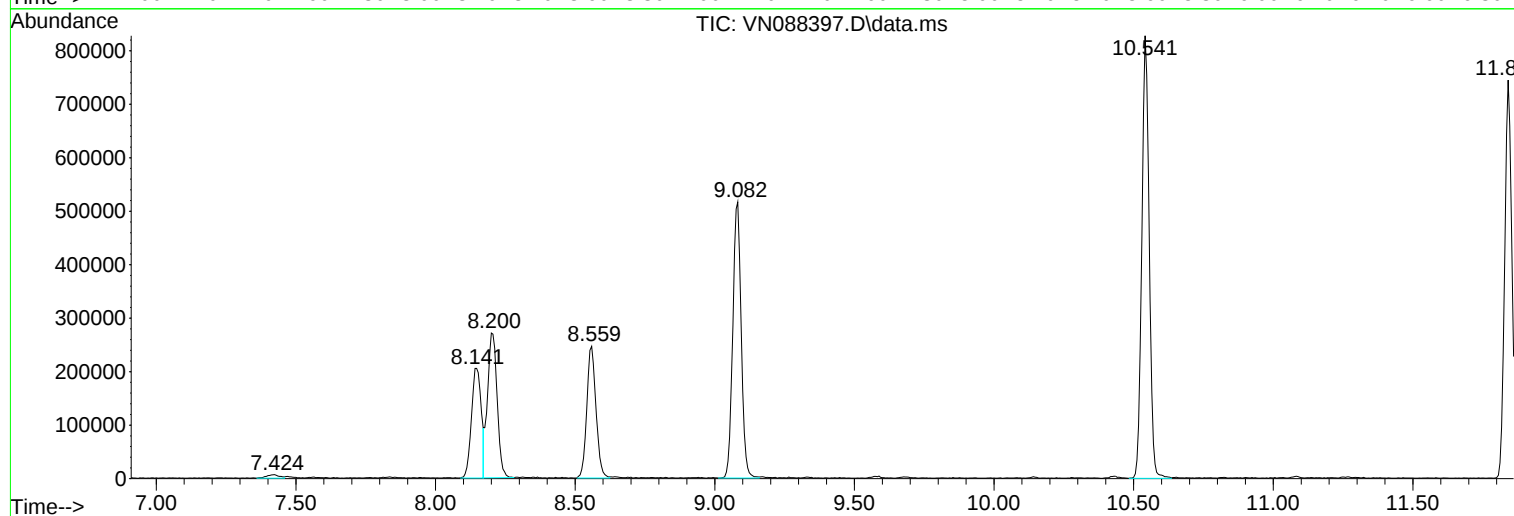
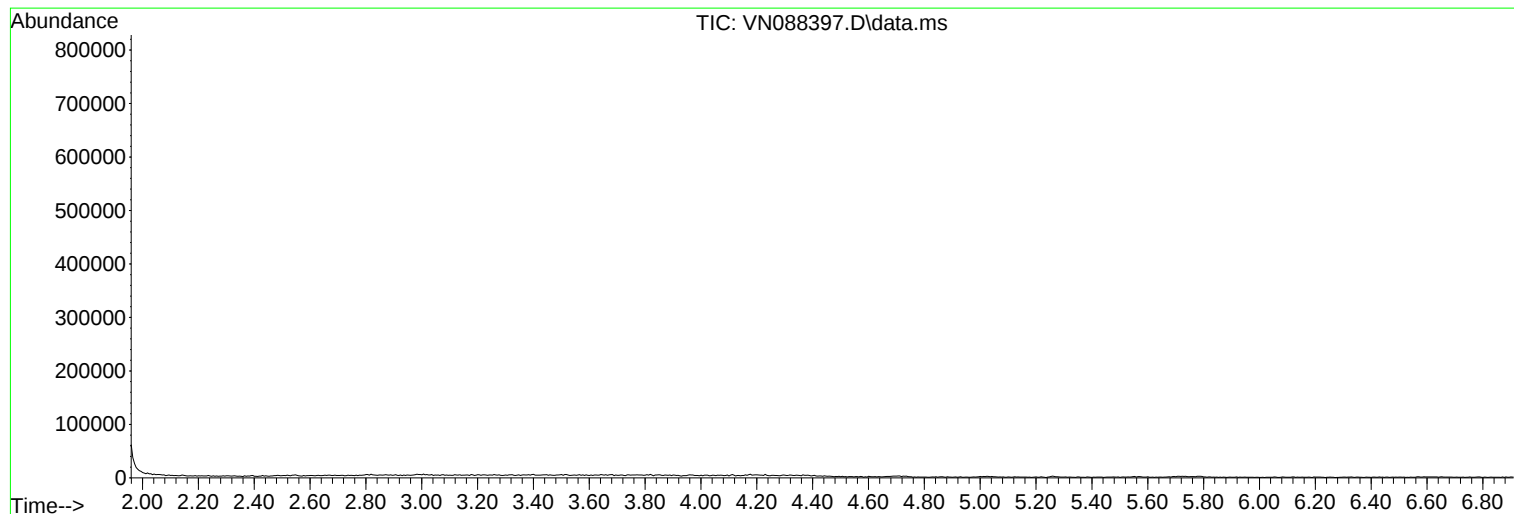
Sum of corrected areas: 7994149

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

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\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

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\VN120225\
Data File : VN088397.D
Acq On : 02 Dec 2025 10:20
Operator : JC\MD
Sample : VN1202WBL01
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBL01

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_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

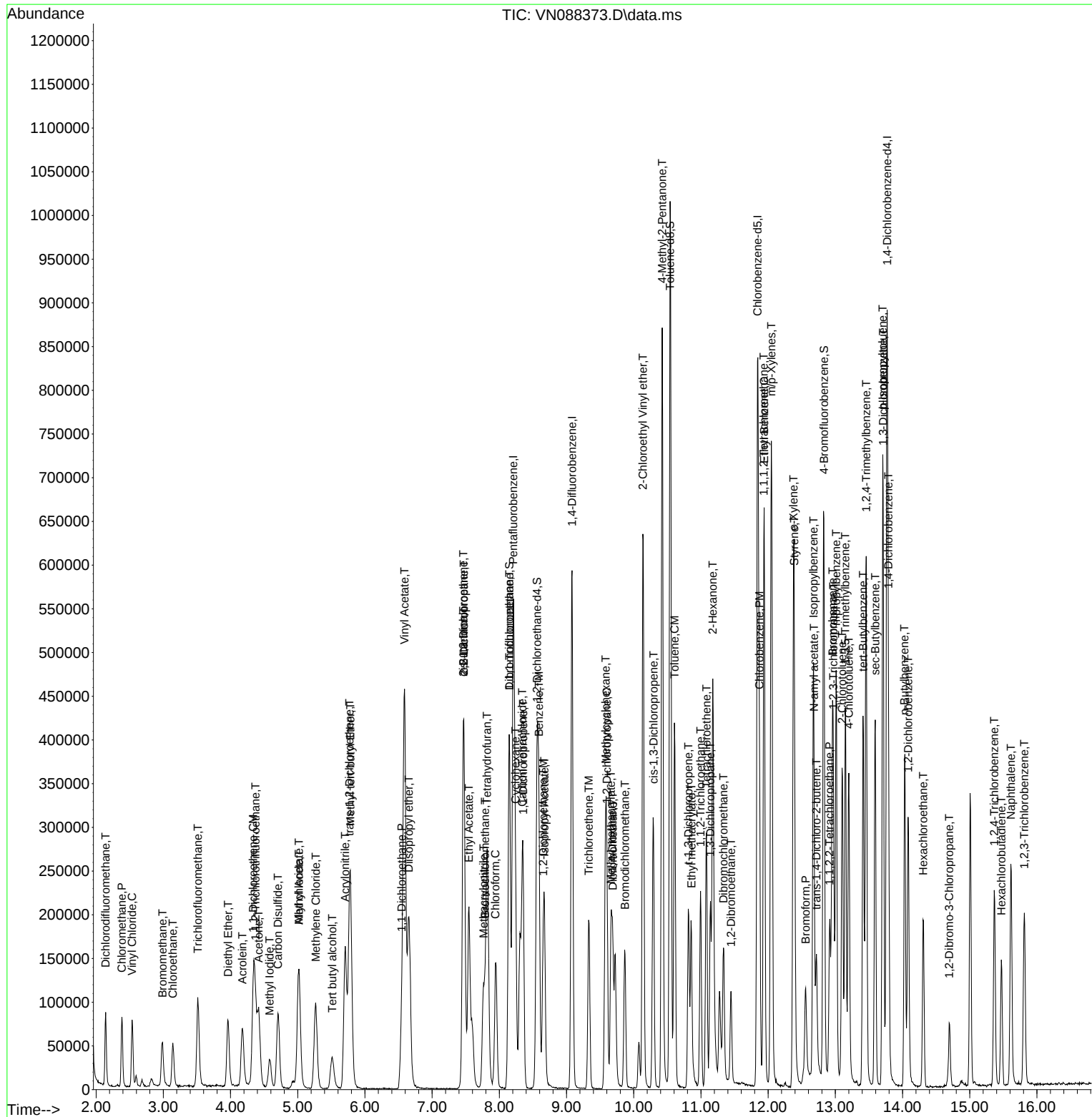
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_N
ClientSampleId :
VN1201WBS01

Manual Integrations

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



Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088400.D
 Acq On : 02 Dec 2025 11:34
 Operator : JC\MD
 Sample : VN1202WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS02

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:25:47 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	245156	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.077	114	446464	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	396309	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	188408	50.000	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.559	65	240662	52.111	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 104.220%	
35) Dibromofluoromethane	8.147	113	161190	52.098	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 104.200%	
50) Toluene-d8	10.541	98	580861	50.457	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 100.920%	
62) 4-Bromofluorobenzene	12.823	95	194910	49.345	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 98.680%	

Target Compounds

						Qvalue
2) Dichlorodifluoromethane	2.142	85	70157	19.053	ug/l	95
3) Chloromethane	2.383	50	74084	18.733	ug/l	97
4) Vinyl Chloride	2.536	62	73356	18.233	ug/l	98
5) Bromomethane	2.983	94	37837	19.540	ug/l	97
6) Chloroethane	3.142	64	46465	18.662	ug/l	98
7) Trichlorofluoromethane	3.518	101	106266	18.793	ug/l	98
8) Diethyl Ether	3.959	74	38646	18.209	ug/l	94
9) 1,1,2-Trichlorotrifluo...	4.371	101	56672	18.826	ug/l	97
10) Methyl Iodide	4.589	142	50851	17.064	ug/l	94
11) Tert butyl alcohol	5.512	59	57939	78.579	ug/l	97
12) 1,1-Dichloroethene	4.342	96	55427	18.532	ug/l	97
13) Acrolein	4.171	56	70631	100.057	ug/l	98
14) Allyl chloride	5.024	41	97630	17.611	ug/l	98
15) Acrylonitrile	5.706	53	197874	93.015	ug/l	98
16) Acetone	4.424	43	146653	87.806	ug/l	94
17) Carbon Disulfide	4.706	76	181733	18.594	ug/l	97
18) Methyl Acetate	5.024	43	98079	19.728	ug/l	96
19) Methyl tert-butyl Ether	5.789	73	219830	19.617	ug/l	100
20) Methylene Chloride	5.265	84	68202	19.086	ug/l	98
21) trans-1,2-Dichloroethene	5.777	96	61577	18.585	ug/l	92
22) Diisopropyl ether	6.653	45	232233	19.622	ug/l	95
23) Vinyl Acetate	6.589	43	948981m	99.519	ug/l	
24) 1,1-Dichloroethane	6.553	63	128842	19.223	ug/l	95
25) 2-Butanone	7.471	43	251629	93.715	ug/l	92
26) 2,2-Dichloropropane	7.471	77	108173	18.698	ug/l	99
27) cis-1,2-Dichloroethene	7.471	96	71623	18.601	ug/l	97
28) Bromochloromethane	7.794	49	69751	20.891	ug/l	99
29) Tetrahydrofuran	7.824	42	178128	92.491	ug/l	99
30) Chloroform	7.953	83	129498	19.663	ug/l	99
31) Cyclohexane	8.235	56	114899	18.917	ug/l	97
32) 1,1,1-Trichloroethane	8.147	97	108786	18.786	ug/l	98
36) 1,1-Dichloropropene	8.353	75	87696	18.366	ug/l	98
37) Ethyl Acetate	7.547	43	118314	18.844	ug/l	99
38) Carbon Tetrachloride	8.341	117	90553	19.050	ug/l	98
39) Methylcyclohexane	9.577	83	91293	17.874	ug/l	91
40) Benzene	8.582	78	261591	18.666	ug/l	98

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
 Data File : VN088400.D
 Acq On : 02 Dec 2025 11:34
 Operator : JC\MD
 Sample : VN1202WBS02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN1202WBS02

Manual Integrations APPROVED

Reviewed By : John Carlone 12/03/2025
 Supervised By : Mahesh Dadoda 12/03/2025

Quant Time: Dec 03 01:25:47 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	57900	18.619	ug/l	99
42) 1,2-Dichloroethane	8.647	62	108373	20.268	ug/l	99
43) Isopropyl Acetate	8.671	43	183066	19.084	ug/l	99
44) Trichloroethene	9.335	130	59332	17.917	ug/l	88
45) 1,2-Dichloropropane	9.600	63	68444	19.062	ug/l	89
46) Dibromomethane	9.682	93	50750	19.805	ug/l	100
47) Bromodichloromethane	9.865	83	103508	19.797	ug/l	95
48) Methyl methacrylate	9.665	41	84066	19.207	ug/l	97
49) 1,4-Dioxane	9.682	88	19101	343.156	ug/l #	98
51) 4-Methyl-2-Pentanone	10.424	43	563219	99.609	ug/l	99
52) Toluene	10.606	92	157757	19.495	ug/l	98
53) t-1,3-Dichloropropene	10.812	75	100141	18.659	ug/l	97
54) cis-1,3-Dichloropropene	10.294	75	107513	19.049	ug/l	96
55) 1,1,2-Trichloroethane	10.994	97	62971	20.113	ug/l	96
56) Ethyl methacrylate	10.853	69	96496	19.511	ug/l	96
57) 1,3-Dichloropropane	11.141	76	109205	19.334	ug/l	99
58) 2-Chloroethyl Vinyl ether	10.141	63	274912	96.419	ug/l	99
59) 2-Hexanone	11.176	43	334598	93.936	ug/l	97
60) Dibromochloromethane	11.335	129	68805	19.277	ug/l	98
61) 1,2-Dibromoethane	11.447	107	61736	19.472	ug/l	100
64) Tetrachloroethene	11.082	164	52163	16.603	ug/l	97
65) Chlorobenzene	11.871	112	167678	18.836	ug/l	99
66) 1,1,1,2-Tetrachloroethane	11.941	131	57320	19.092	ug/l	97
67) Ethyl Benzene	11.941	91	287588	18.484	ug/l	99
68) m/p-Xylenes	12.047	106	216717	37.568	ug/l	100
69) o-Xylene	12.376	106	99322	18.060	ug/l	98
70) Styrene	12.388	104	172048	19.267	ug/l	99
71) Bromoform	12.559	173	43810	19.922	ug/l #	99
73) Isopropylbenzene	12.670	105	259362	18.618	ug/l	99
74) N-amyl acetate	12.682	43	94838m	19.990	ug/l	
75) 1,1,2,2-Tetrachloroethane	12.918	83	89094	19.783	ug/l	100
76) 1,2,3-Trichloropropane	12.970	75	90661m	20.545	ug/l	
77) Bromobenzene	12.959	156	61245	19.215	ug/l	95
78) n-propylbenzene	13.012	91	327010	19.188	ug/l	99
79) 2-Chlorotoluene	13.100	91	195499	18.785	ug/l	99
80) 1,3,5-Trimethylbenzene	13.147	105	219187	18.988	ug/l	100
81) trans-1,4-Dichloro-2-b...	12.718	75	28811	18.522	ug/l #	100
82) 4-Chlorotoluene	13.200	91	199887	19.337	ug/l	99
83) tert-Butylbenzene	13.412	119	183448	18.695	ug/l	99
84) 1,2,4-Trimethylbenzene	13.459	105	225422	19.647	ug/l	97
85) sec-Butylbenzene	13.588	105	270952	19.220	ug/l	99
86) p-Isopropyltoluene	13.706	119	223655	19.348	ug/l	98
87) 1,3-Dichlorobenzene	13.712	146	116423	18.764	ug/l	99
88) 1,4-Dichlorobenzene	13.788	146	121526	18.698	ug/l	96
89) n-Butylbenzene	14.029	91	209256	18.644	ug/l	99
90) Hexachloroethane	14.306	117	41518	19.661	ug/l	98
91) 1,2-Dichlorobenzene	14.088	146	109481	18.750	ug/l	99
92) 1,2-Dibromo-3-Chloropr...	14.700	75	20576	18.831	ug/l	98
93) 1,2,4-Trichlorobenzene	15.364	180	62996	18.158	ug/l	96
94) Hexachlorobutadiene	15.476	225	24005	19.255	ug/l	98
95) Naphthalene	15.611	128	214287	17.825	ug/l	99
96) 1,2,3-Trichlorobenzene	15.811	180	62555	18.528	ug/l	99

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120225\
Data File : VN088400.D
Acq On : 02 Dec 2025 11:34
Operator : JC\MD
Sample : VN1202WBS02
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 7 Sample Multiplier: 1

Quant Time: Dec 03 01:25:47 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 :
VN1202WBS02

Manual Integrations
APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025

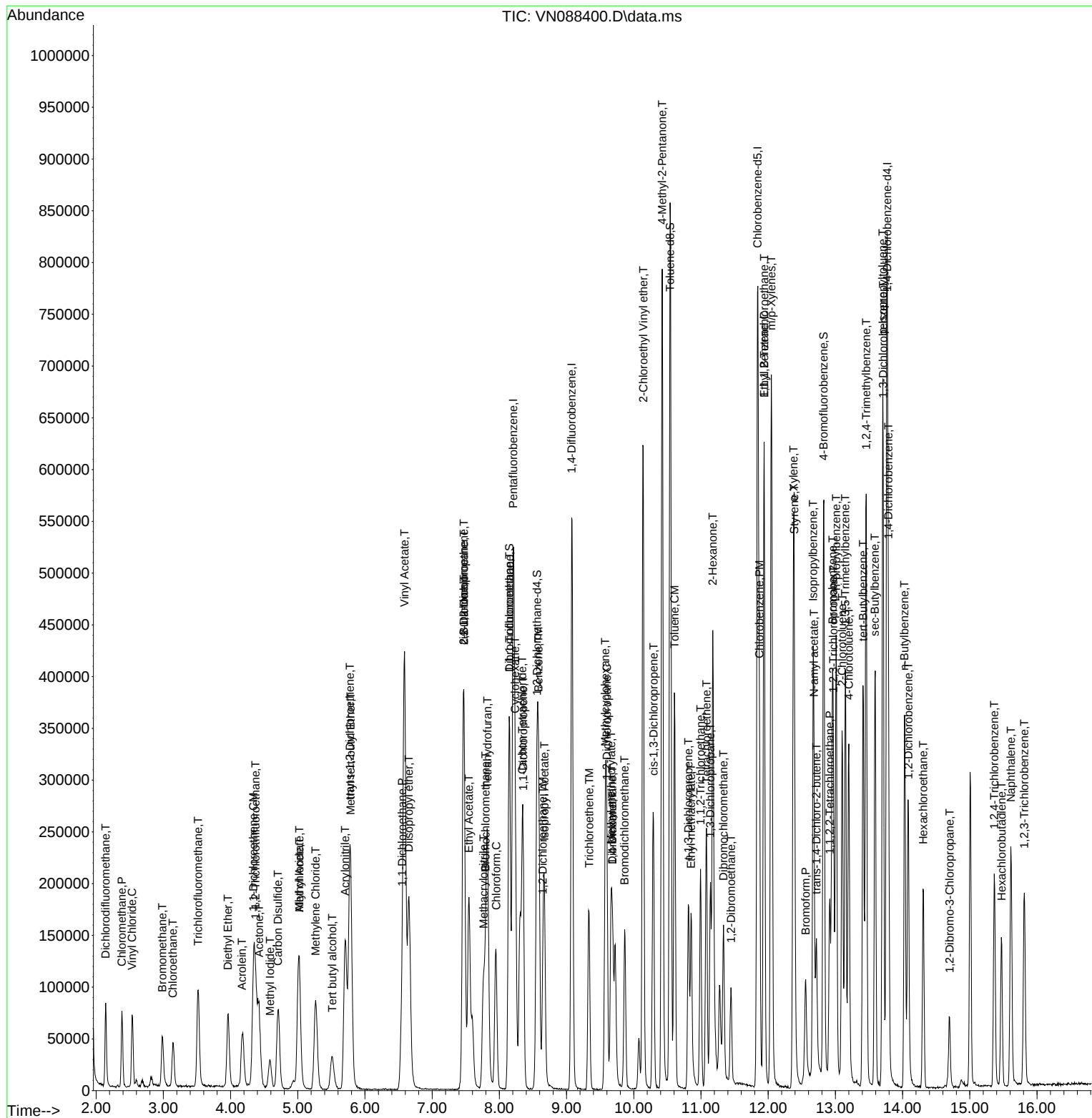
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

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

Instrument :
MSVOA_N
ClientSampleId :
VN1202WBS02

Manual Integrations APPROVED

Reviewed By :John Carlone 12/03/2025
Supervised By :Mahesh Dadoda 12/03/2025



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

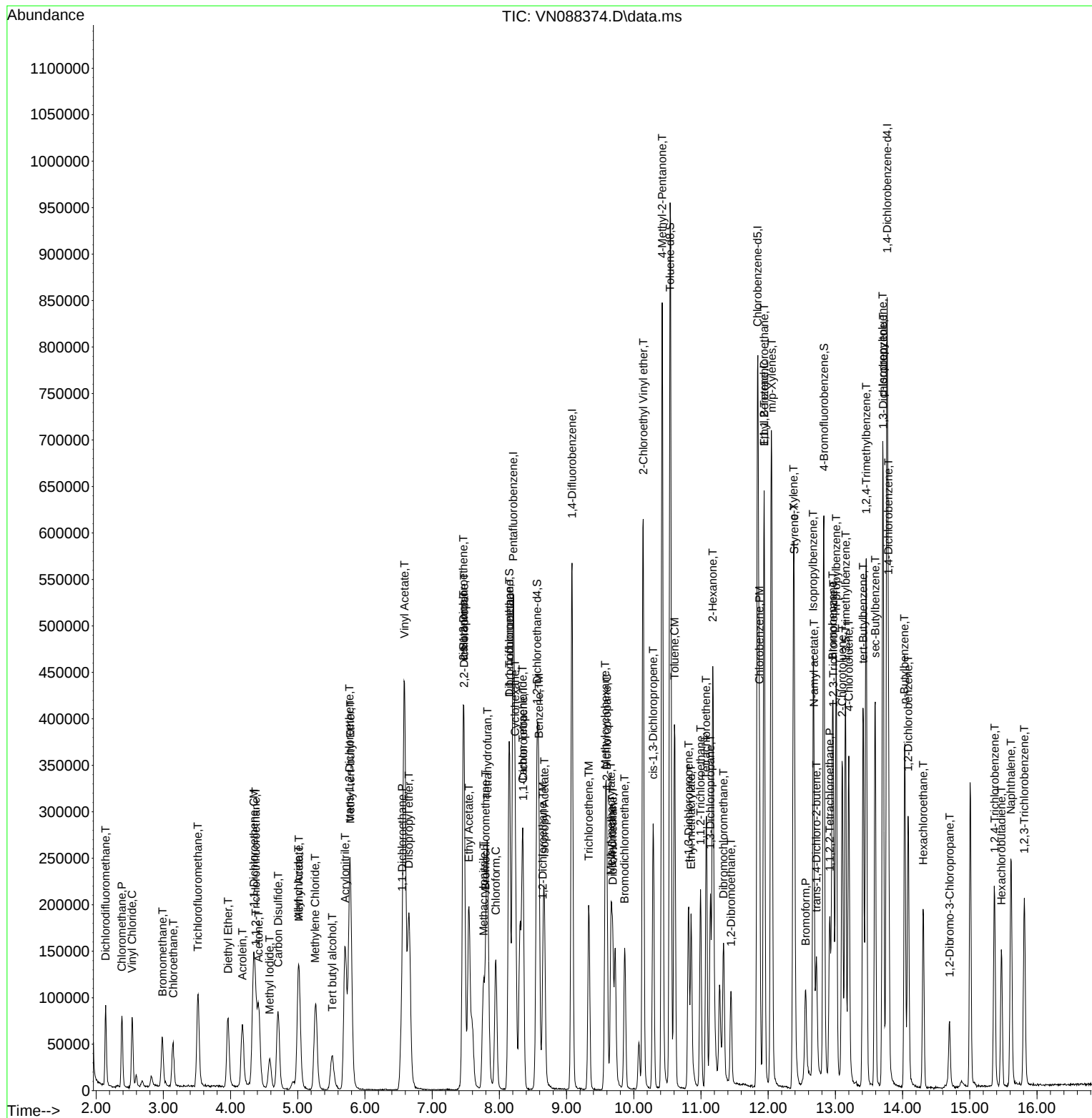
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
----------	------	------	----------	------	-------	----------

(#) = 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
-----------	----------	------------	---------

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
-----------	----------	------------	---------

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
-----------	----------	------------	---------

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
Q3716-01	VN088377.D	n-Butylbenzene	JOHN	12/2/2025 7:49:20 AM	MMDadoda	12/2/2025 1:11:52 PM	Peak Integrated by Software
Q3716-01	VN088377.D	sec-Butylbenzene	JOHN	12/2/2025 7:49:20 AM	MMDadoda	12/2/2025 1:11:52 PM	Peak Integrated by Software
Q3716-04	VN088379.D	sec-Butylbenzene	JOHN	12/2/2025 7:49:26 AM	MMDadoda	12/2/2025 1:12:16 PM	Peak Integrated by Software

Manual Integration Report

Sequence:

VN120125

Instrument

MSVOA_n

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
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
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:	VN120225	Instrument	MSVOA_n
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088396.D	1,2,3-Trichloropropane	JOHN	12/3/2025 8:05:17 AM	MMDadoda	12/3/2025 2:27:54 PM	Peak Integrated by Software
VSTDCCC050	VN088396.D	Vinyl Acetate	JOHN	12/3/2025 8:05:17 AM	MMDadoda	12/3/2025 2:27:54 PM	Peak Integrated by Software
VN1202WBS02	VN088400.D	1,2,3-Trichloropropane	JOHN	12/3/2025 8:05:27 AM	MMDadoda	12/3/2025 2:28:01 PM	Peak Integrated by Software
VN1202WBS02	VN088400.D	N-amyl acetate	JOHN	12/3/2025 8:05:27 AM	MMDadoda	12/3/2025 2:28:01 PM	Peak Integrated by Software
VN1202WBS02	VN088400.D	Vinyl Acetate	JOHN	12/3/2025 8:05:27 AM	MMDadoda	12/3/2025 2:28:01 PM	Peak Integrated by Software
Q3716-01DL	VN088404.D	Cyclohexane	JOHN	12/3/2025 8:05:38 AM	MMDadoda	12/3/2025 2:28:04 PM	Peak Integrated by Software
Q3716-01DL	VN088404.D	n-Butylbenzene	JOHN	12/3/2025 8:05:38 AM	MMDadoda	12/3/2025 2:28:04 PM	Peak Integrated by Software
Q3716-01DL	VN088404.D	sec-Butylbenzene	JOHN	12/3/2025 8:05:38 AM	MMDadoda	12/3/2025 2:28:04 PM	Peak Integrated by Software
Q3716-04DL	VN088405.D	Cyclohexane	JOHN	12/3/2025 8:05:43 AM	MMDadoda	12/3/2025 2:28:07 PM	Peak Integrated by Software
Q3716-04DL	VN088405.D	n-Butylbenzene	JOHN	12/3/2025 8:05:43 AM	MMDadoda	12/3/2025 2:28:07 PM	Peak Integrated by Software
Q3716-04DL	VN088405.D	sec-Butylbenzene	JOHN	12/3/2025 8:05:43 AM	MMDadoda	12/3/2025 2:28:07 PM	Peak Integrated by Software
Q3716-03	VN088406.D	n-Butylbenzene	JOHN	12/3/2025 8:05:47 AM	MMDadoda	12/3/2025 2:28:11 PM	Peak Integrated by Software
VSTDCCC050	VN088414.D	1,2,3-Trichloropropane	JOHN	12/3/2025 8:06:31 AM	MMDadoda	12/3/2025 2:28:38 PM	Peak Integrated by Software

Manual Integration Report

Sequence:	VN120225	Instrument	MSVOA_n
-----------	----------	------------	---------

Sample ID	File ID	Parameter	Review By	Review On	Supervised By	Supervised On	Reason
VSTDCCC050	VN088414.D	Vinyl Acetate	JOHN	12/3/2025 8:06:31 AM	MMDadoda	12/3/2025 2:28:38 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/QCBatch 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/QCBatch 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_N**

Daily Analysis Runlog For Sequence/QC Batch ID # VN120225

Review By	John Carlone	Review On	12/4/2025 10:35:47 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 12:12:37 PM
SubDirectory	VN120225	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136457		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136458,VP136459,VP136463,VP136464,VP136465,VP136466,VP136467,VP136468		

Sr#	SampleId	Data File Name	Date-Time	Operator	Status
1	BFB	VN088395.D	02 Dec 2025 08:19	JC\MD	Ok
2	VSTDCCC050	VN088396.D	02 Dec 2025 10:00	JC\MD	Ok,M
3	VN1202WBL01	VN088397.D	02 Dec 2025 10:20	JC\MD	Ok
4	VN1202MBL01	VN088398.D	02 Dec 2025 10:40	JC\MD	Ok
5	VN1202WBS01	VN088399.D	02 Dec 2025 11:01	JC\MD	Not Ok
6	VN1202WBS02	VN088400.D	02 Dec 2025 11:34	JC\MD	Ok,M
7	IBLK	VN088401.D	02 Dec 2025 11:54	JC\MD	Ok
8	IBLK	VN088402.D	02 Dec 2025 12:14	JC\MD	Ok
9	Q3738-01	VN088403.D	02 Dec 2025 12:35	JC\MD	Ok
10	Q3716-01DL	VN088404.D	02 Dec 2025 12:55	JC\MD	Ok,M
11	Q3716-04DL	VN088405.D	02 Dec 2025 13:16	JC\MD	Ok,M
12	Q3716-03	VN088406.D	02 Dec 2025 13:36	JC\MD	Ok,M
13	Q3745-01	VN088407.D	02 Dec 2025 13:56	JC\MD	Ok
14	Q3530-07 0.2PPB	VN088408.D	02 Dec 2025 15:02	JC\MD	Ok,M
15	Q3530-07 0.5PPB	VN088409.D	02 Dec 2025 15:22	JC\MD	Ok,M
16	Q3530-07 0.75PPB	VN088410.D	02 Dec 2025 15:42	JC\MD	Ok,M
17	Q3530-07 2.5PPB	VN088411.D	02 Dec 2025 16:03	JC\MD	Ok,M
18	Q3530-08 1.0PPB	VN088412.D	02 Dec 2025 16:23	JC\MD	Ok,M
19	Q3530-08 5.0PPB	VN088413.D	02 Dec 2025 16:44	JC\MD	Ok,M
20	VSTDCCC050	VN088414.D	02 Dec 2025 17:04	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_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120225

Review By	John Carlone	Review On	12/4/2025 10:35:47 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 12:12:37 PM
SubDirectory	VN120225	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136457		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136458,VP136459,VP136463,VP136464,VP136465,VP136466,VP136467,VP136468		

Sr#	SampleID	ClientID	Data File Name	Date-Time	Comment	Operator	Status
1	BFB	BFB	VN088395.D	02 Dec 2025 08:19		JC\MD	Ok
2	VSTDCCC050	VSTDCCC050	VN088396.D	02 Dec 2025 10:00	pH#Lot#V12668	JC\MD	Ok,M
3	VN1202WBL01	VN1202WBL01	VN088397.D	02 Dec 2025 10:20		JC\MD	Ok
4	VN1202MBL01	VN1202MBL01	VN088398.D	02 Dec 2025 10:40		JC\MD	Ok
5	VN1202WBS01	VN1202WBS01	VN088399.D	02 Dec 2025 11:01	Recovery failed	JC\MD	Not Ok
6	VN1202WBS02	VN1202WBS02	VN088400.D	02 Dec 2025 11:34		JC\MD	Ok,M
7	IBLK	IBLK	VN088401.D	02 Dec 2025 11:54		JC\MD	Ok
8	IBLK	IBLK	VN088402.D	02 Dec 2025 12:14		JC\MD	Ok
9	Q3738-01	MW4	VN088403.D	02 Dec 2025 12:35	vial A pH<2	JC\MD	Ok
10	Q3716-01DL	MW5DL	VN088404.D	02 Dec 2025 12:55	vial B pH<2	JC\MD	Ok,M
11	Q3716-04DL	MW7DL	VN088405.D	02 Dec 2025 13:16	vial B pH<2	JC\MD	Ok,M
12	Q3716-03	MW4	VN088406.D	02 Dec 2025 13:36	vial A pH<2	JC\MD	Ok,M
13	Q3745-01	STORAGE-BLANK-SO	VN088407.D	02 Dec 2025 13:56	vial B pH<2	JC\MD	Ok
14	Q3530-07 0.2PPB	LOD-MDL-WATER-01-(	VN088408.D	02 Dec 2025 15:02		JC\MD	Ok,M
15	Q3530-07 0.5PPB	LOD-MDL-WATER-01-(	VN088409.D	02 Dec 2025 15:22		JC\MD	Ok,M
16	Q3530-07 0.75PPB	LOD-MDL-WATER-01-(	VN088410.D	02 Dec 2025 15:42		JC\MD	Ok,M
17	Q3530-07 2.5PPB	LOD-MDL-WATER-01-(	VN088411.D	02 Dec 2025 16:03		JC\MD	Ok,M
18	Q3530-08 1.0PPB	LOQ-WATER-02-QT4-2	VN088412.D	02 Dec 2025 16:23		JC\MD	Ok,M

Instrument ID: MSVOA_N

Daily Analysis Runlog For Sequence/QC Batch ID # VN120225

Review By	John Carlone	Review On	12/4/2025 10:35:47 AM
Supervise By	Semsettin Yesilyurt	Supervise On	12/4/2025 12:12:37 PM
SubDirectory	VN120225	HP Acquire Method	HP Processing Method 82N112425W.M
STD. NAME	STD REF.#		
Tune/Reschk Initial Calibration Stds	VP136457		
CCC Internal Standard/PEM ICV/I.BLK Surrogate Standard MS/MSD Standard LCS Standard	VP136458,VP136459,VP136463,VP136464,VP136465,VP136466,VP136467,VP136468		

19	Q3530-08 5.0PPB	LOQ-WATER-02-QT4-2	VN088413.D	02 Dec 2025 16:44	JC\MD	Ok,M
20	VSTDCCC050	VSTDCCC050EC	VN088414.D	02 Dec 2025 17:04	JC\MD	Ok,M

M : Manual Integration

LAB CHRONICLE

OrderID:	Q3716	OrderDate:	11/24/2025 2:47:03 PM
Client:	G Environmental	Project:	Adoni
Contact:	Gary Landis	Location:	E22,VOA Lab

LabID	ClientID	Matrix	Test	Method	Sample Date	Prep Date	Anal Date	Received
Q3716-01	MW5	Water	VOCMS Group1	8260-Low	11/24/25		12/01/25	11/24/25
Q3716-01DL	MW5DL	Water	VOCMS Group1	8260-Low	11/24/25		12/02/25	11/24/25
Q3716-02	MW3	Water	VOCMS Group1	8260-Low	11/24/25		12/01/25	11/24/25
Q3716-03	MW4	Water	VOCMS Group1	8260-Low	11/24/25		12/02/25	11/24/25
Q3716-04	MW7	Water	VOCMS Group1	8260-Low	11/24/25		12/01/25	11/24/25
Q3716-04DL	MW7DL	Water	VOCMS Group1	8260-Low	11/24/25		12/02/25	11/24/25