

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120425\
 Data File : VN088448.D
 Acq On : 04 Dec 2025 16:07
 Operator : JC\MD
 Sample : Q3756-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13B-47.5-120225

Quant Time: Dec 05 00:17:34 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)

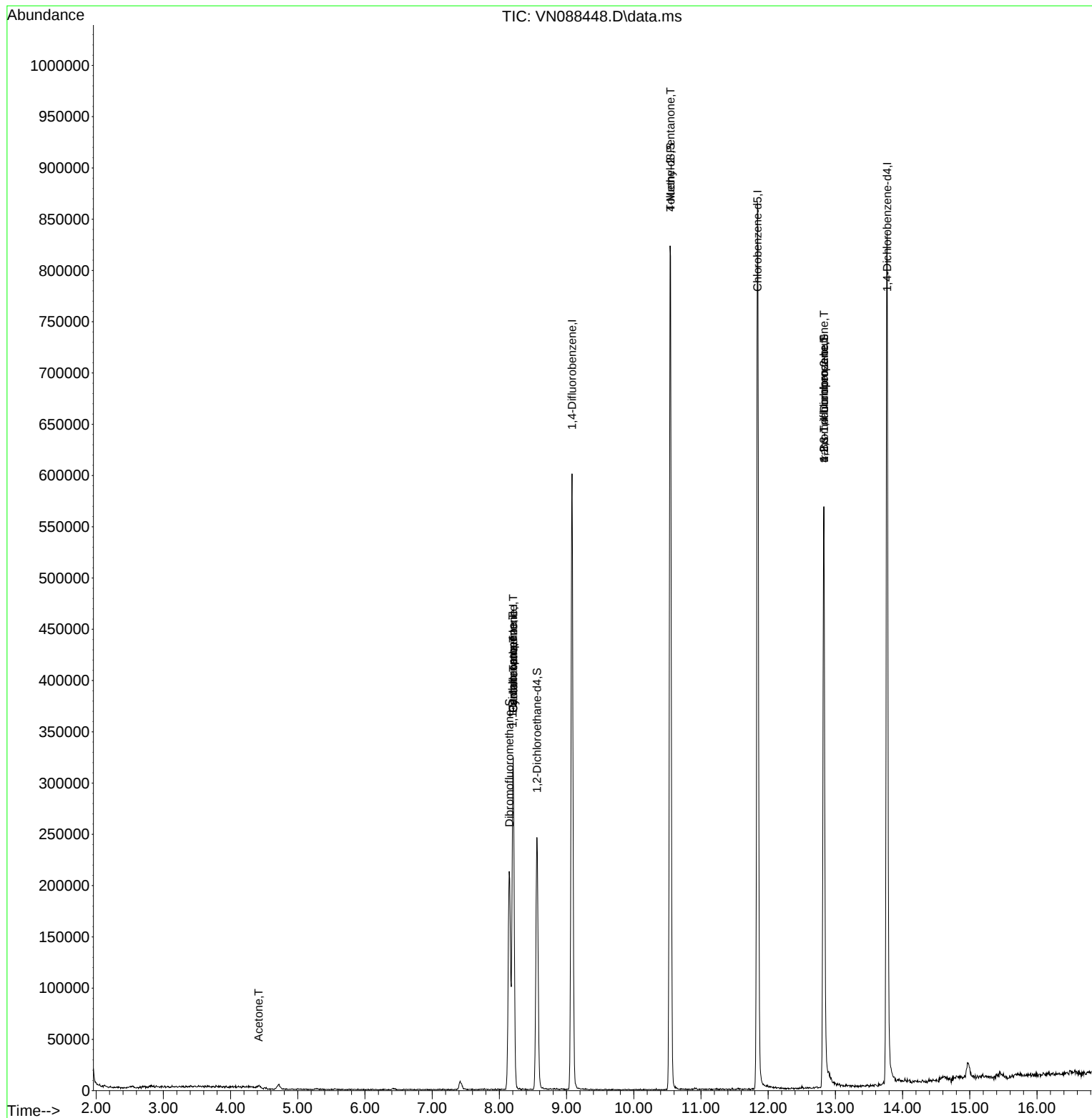
Internal Standards						
1) Pentafluorobenzene	8.206	168	206071	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.083	114	471902	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	469221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	222578	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	216155	55.682	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.360%		
35) Dibromofluoromethane	8.147	113	154264	47.172	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 94.340%		
50) Toluene-d8	10.547	98	550181	45.216	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 90.440%		
62) 4-Bromofluorobenzene	12.829	95	211464	50.650	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.300%		
Target Compounds						
						Qvalue
16) Acetone	4.418	43	5198	3.702	ug/l	95
31) Cyclohexane	8.206	56	6706	1.314	ug/l #	33
36) 1,1-Dichloropropene	8.200	75	22085	4.376	ug/l #	53
38) Carbon Tetrachloride	8.206	117	26351	5.245	ug/l #	16
51) 4-Methyl-2-Pentanone	10.547	43	3264	0.546	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	122025	23.407	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	122025	66.404	ug/l #	1

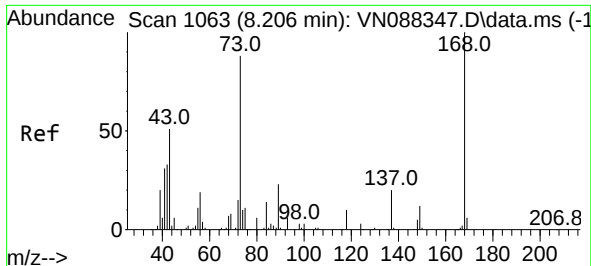
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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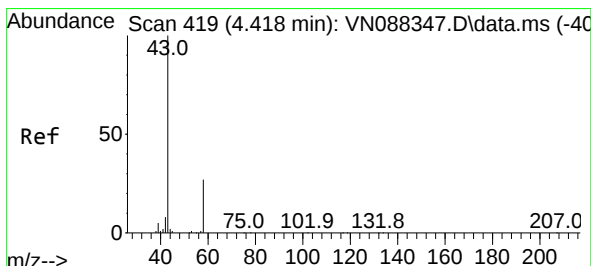
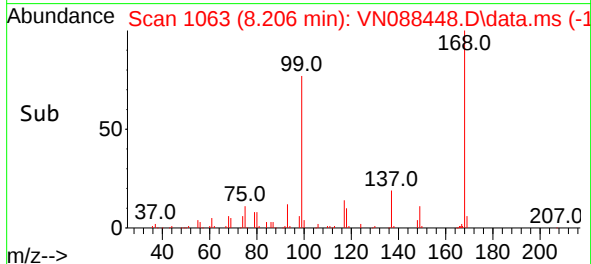
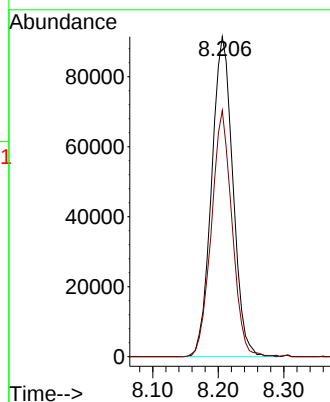
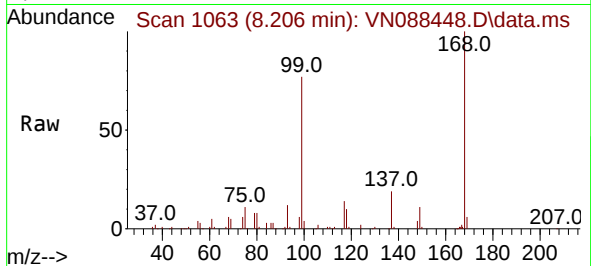




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

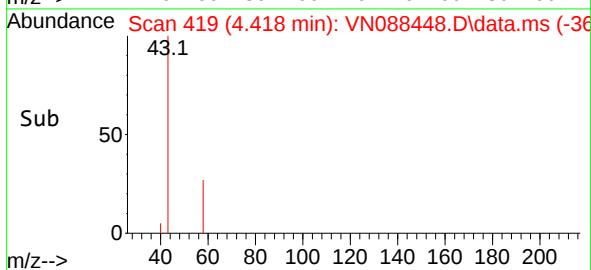
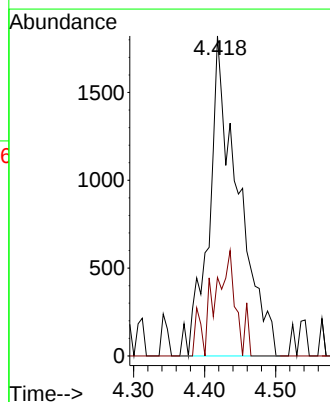
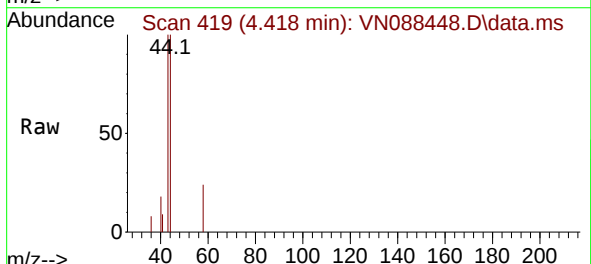
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

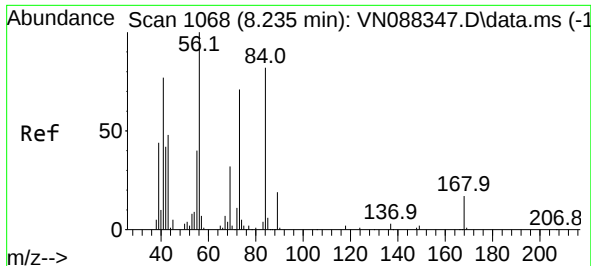
Tgt Ion:168 Resp: 206071
Ion Ratio Lower Upper
168 100
99 76.9 57.1 85.7



#16
Acetone
Concen: 3.702 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion: 43 Resp: 5198
Ion Ratio Lower Upper
43 100
58 24.5 21.7 32.5

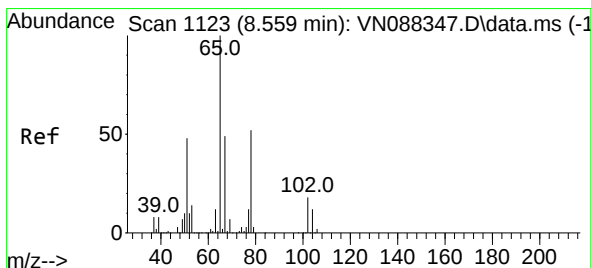
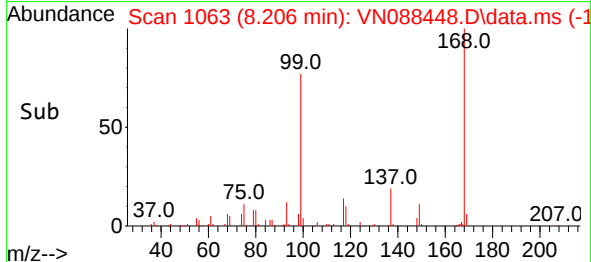
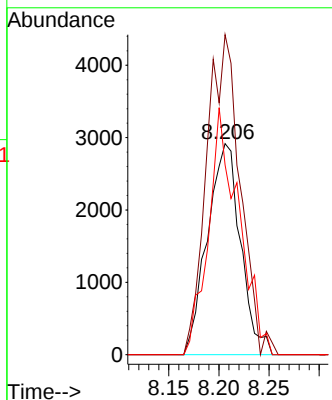
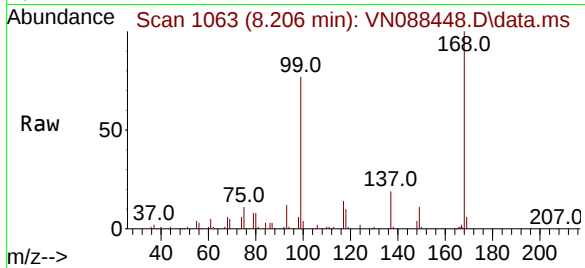




#31
Cyclohexane
Concen: 1.314 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

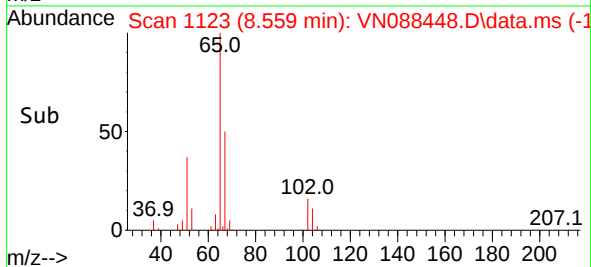
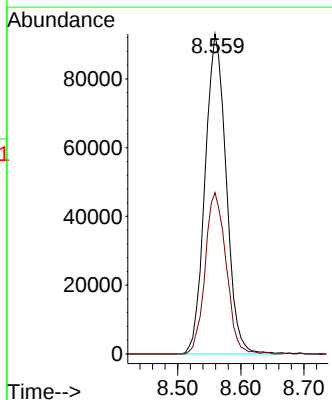
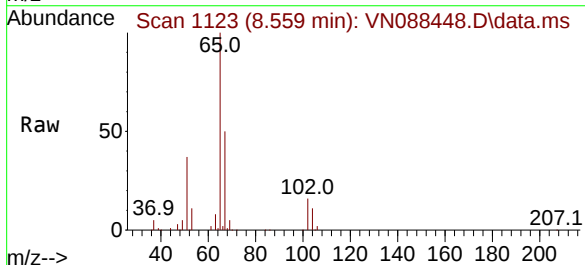
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

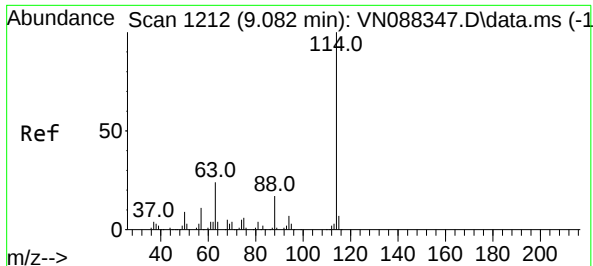
Tgt Ion: 56 Resp: 6706
Ion Ratio Lower Upper
56 100
69 151.6 25.3 37.9#
84 89.9 65.4 98.2



#33
1,2-Dichloroethane-d4
Concen: 55.682 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion: 65 Resp: 216155
Ion Ratio Lower Upper
65 100
67 50.1 0.0 100.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.083 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

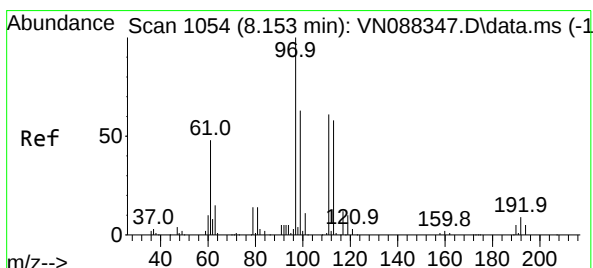
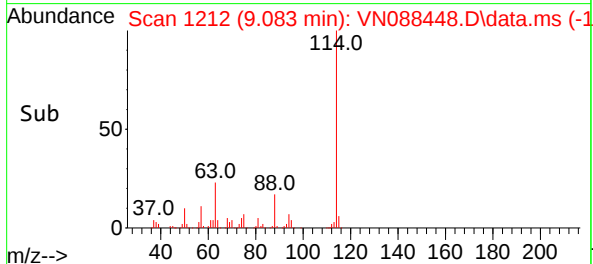
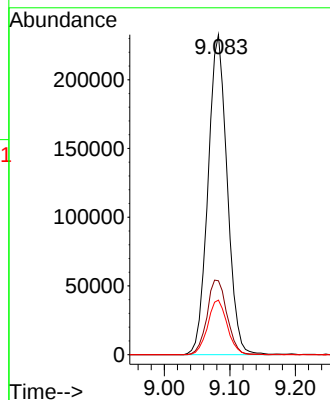
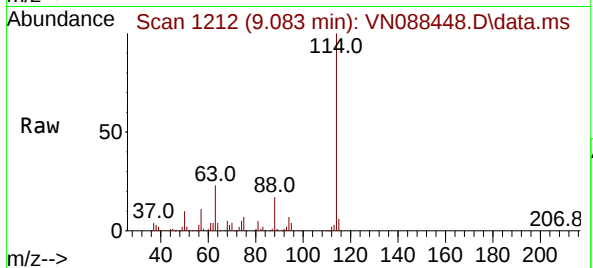
Tgt Ion:114 Resp: 471902

Ion Ratio Lower Upper

114 100

63 23.1 0.0 49.0

88 17.1 0.0 34.0



#35

Dibromofluoromethane

Concen: 47.172 ug/l

RT: 8.147 min Scan# 1053

Delta R.T. -0.006 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

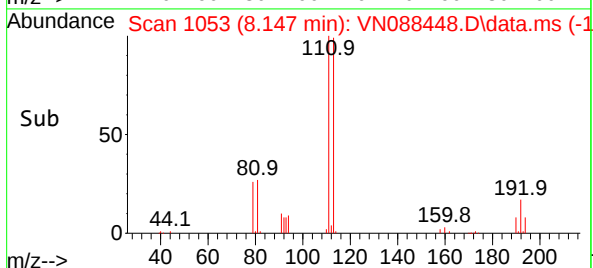
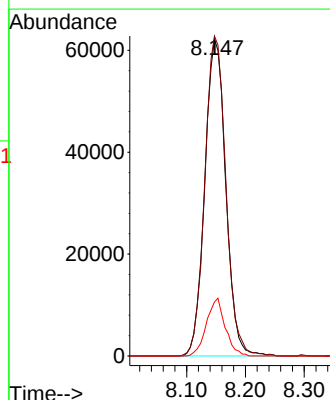
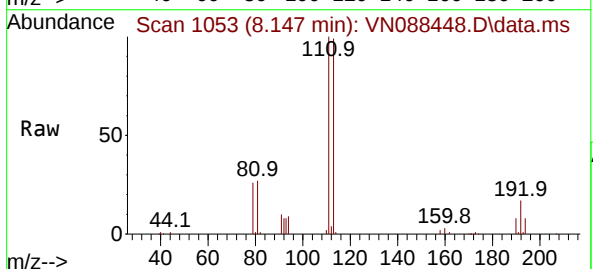
Tgt Ion:113 Resp: 154264

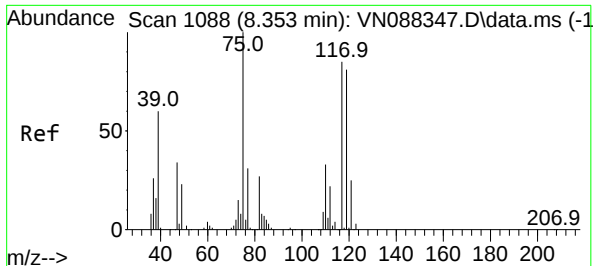
Ion Ratio Lower Upper

113 100

111 101.4 82.5 123.7

192 16.3 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.376 ug/l

RT: 8.200 min Scan# 1062

Delta R.T. -0.153 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

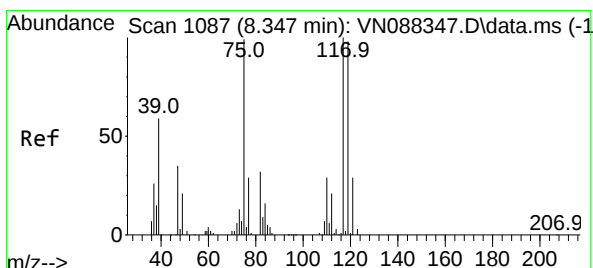
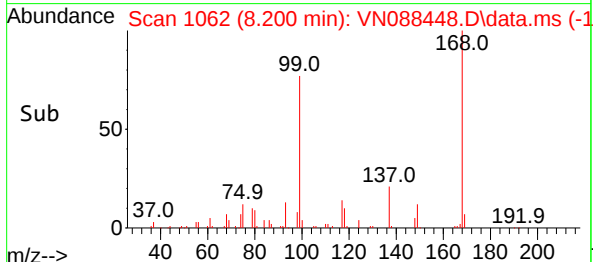
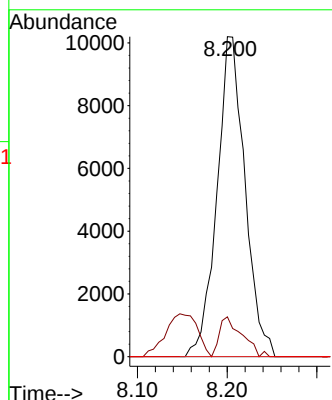
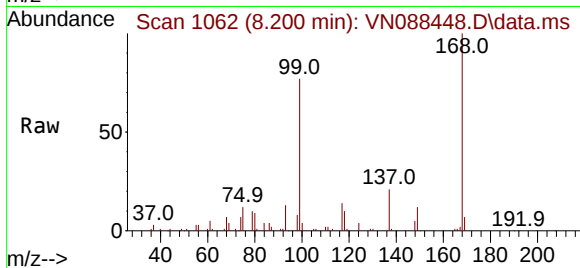
Tgt Ion: 75 Resp: 22085

Ion Ratio Lower Upper

75 100

110 10.0 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.245 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

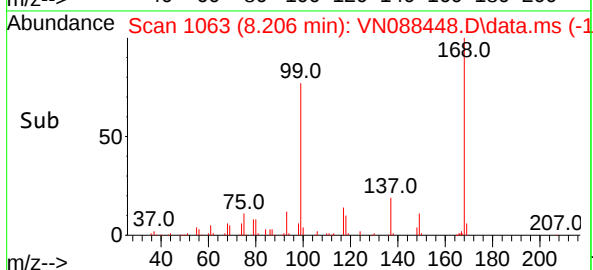
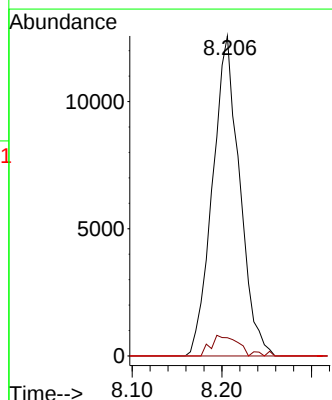
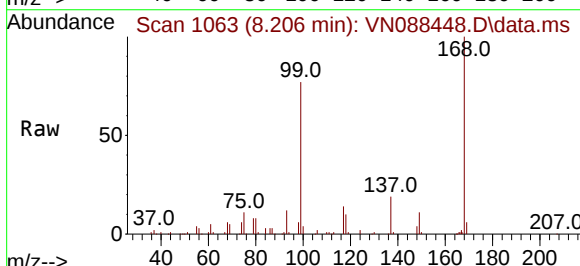
Tgt Ion: 117 Resp: 26351

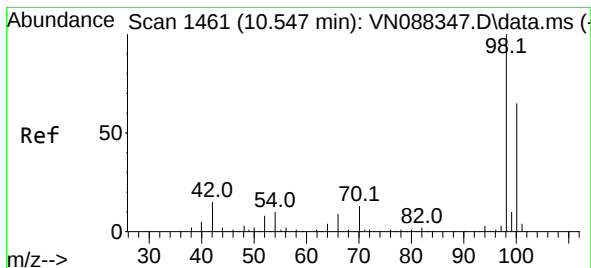
Ion Ratio Lower Upper

117 100

119 5.7 78.2 117.4#

121 0.0 23.4 35.2#





#50

Toluene-d8

Concen: 45.216 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.000 min

Lab File: VN088448.D

Acq: 04 Dec 2025 16:07

Instrument :

MSVOA_N

ClientSampleId :

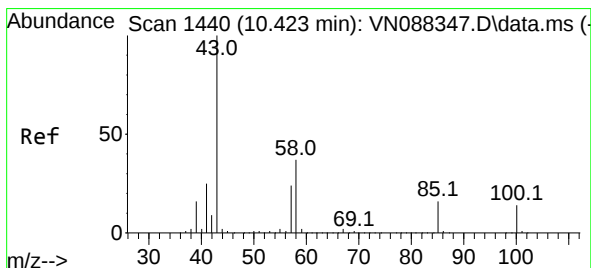
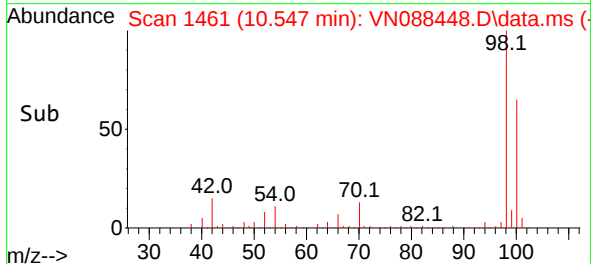
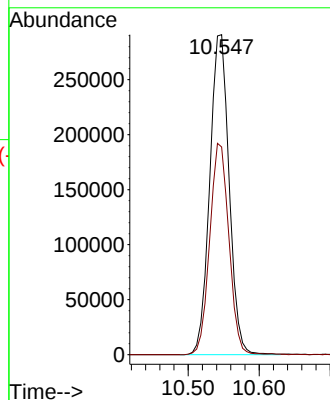
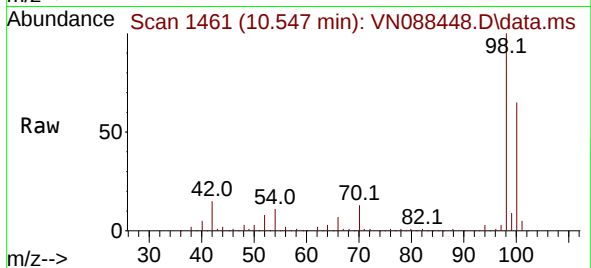
MW-13B-47.5-120225

Tgt Ion: 98 Resp: 550181

Ion Ratio Lower Upper

98 100

100 65.3 52.2 78.2



#51

4-Methyl-2-Pentanone

Concen: 0.546 ug/l

RT: 10.547 min Scan# 1461

Delta R.T. 0.124 min

Lab File: VN088448.D

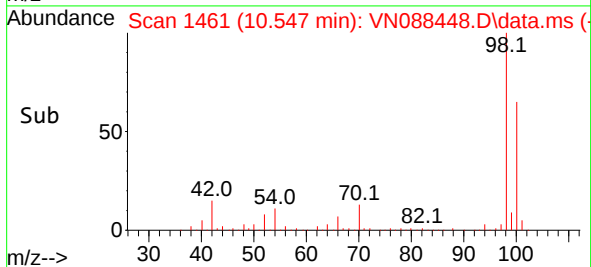
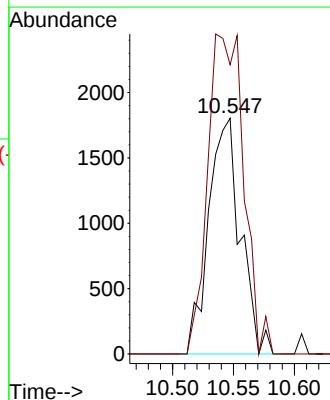
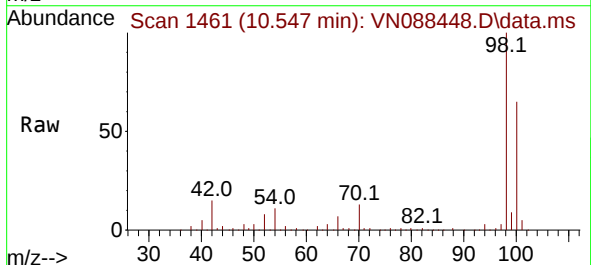
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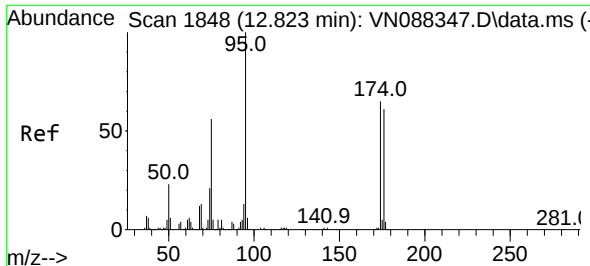
Tgt Ion: 43 Resp: 3264

Ion Ratio Lower Upper

43 100

58 154.2 29.1 43.7#

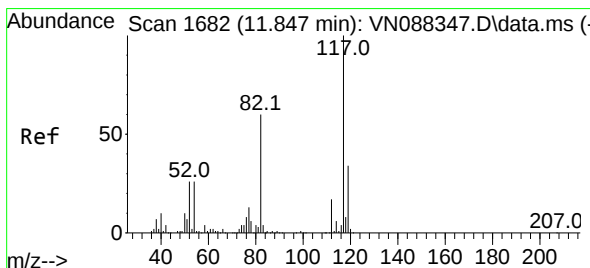
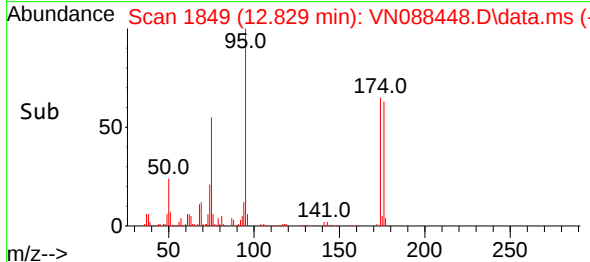
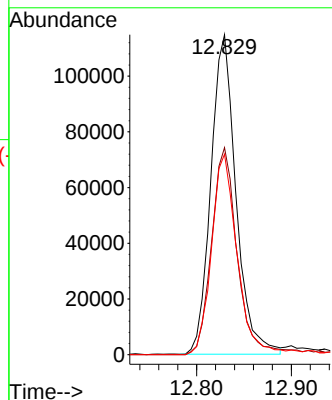
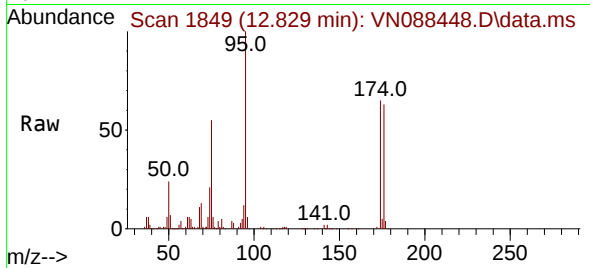




#62
4-Bromofluorobenzene
Concen: 50.650 ug/l
RT: 12.829 min Scan# 1848
Delta R.T. 0.006 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

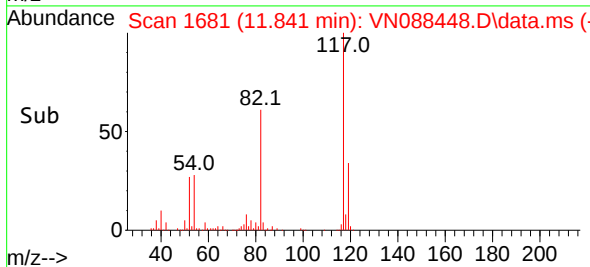
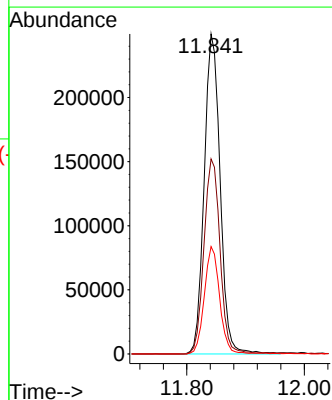
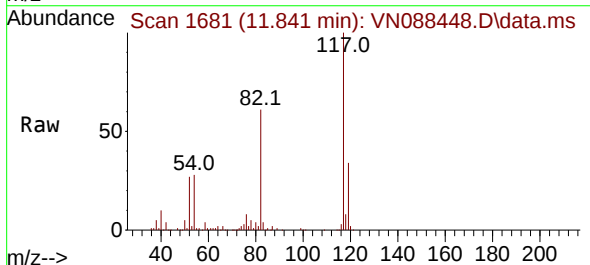
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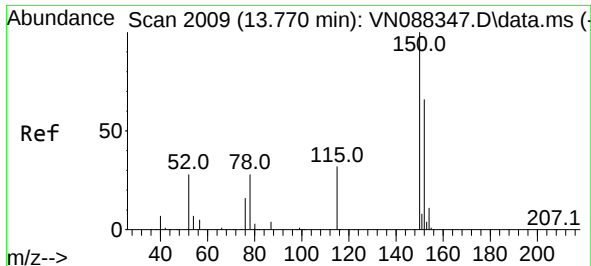
Tgt Ion: 95 Resp: 211464
Ion Ratio Lower Upper
95 100
174 68.3 0.0 139.0
176 64.1 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088448.D
Acq: 04 Dec 2025 16:07

Tgt Ion: 117 Resp: 469221
Ion Ratio Lower Upper
117 100
82 60.9 47.8 71.8
119 33.5 26.9 40.3

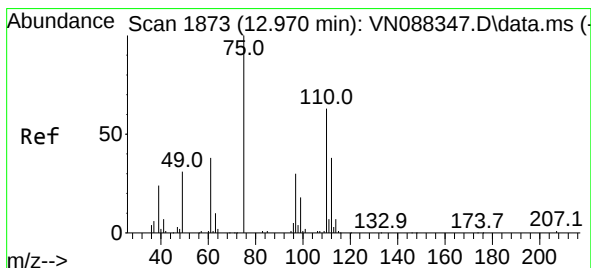
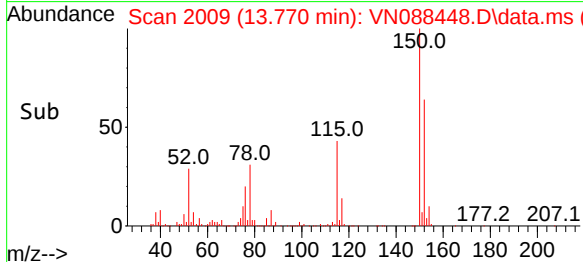
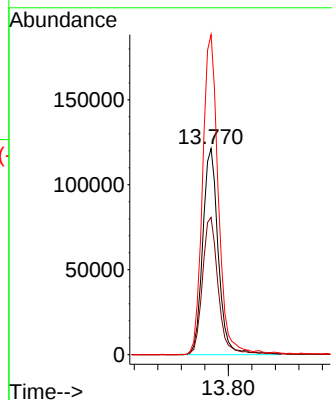
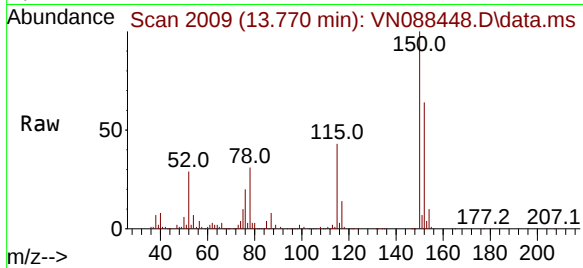




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.770 min Scan# 2009
 Delta R.T. 0.000 min
 Lab File: VN088448.D
 Acq: 04 Dec 2025 16:07

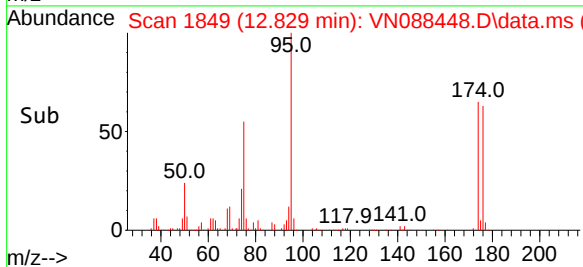
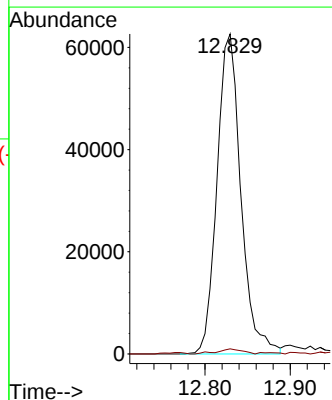
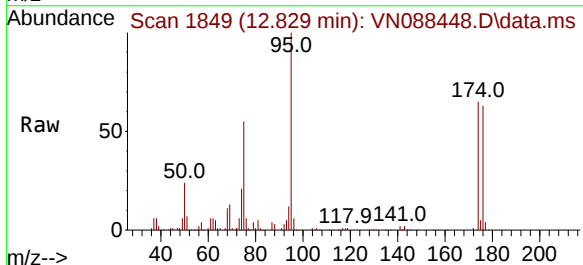
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13B-47.5-120225

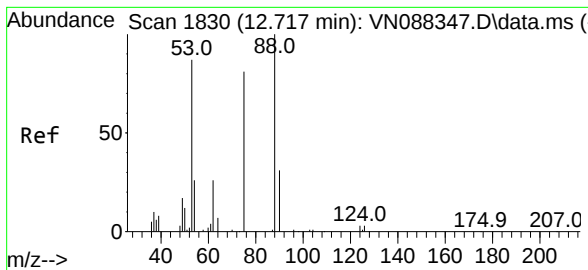
Tgt Ion:152 Resp: 222578
 Ion Ratio Lower Upper
 152 100
 115 67.9 33.0 98.9
 150 157.1 0.0 349.0



#76
 1,2,3-Trichloropropane
 Concen: 23.407 ug/l
 RT: 12.829 min Scan# 1849
 Delta R.T. -0.141 min
 Lab File: VN088448.D
 Acq: 04 Dec 2025 16:07

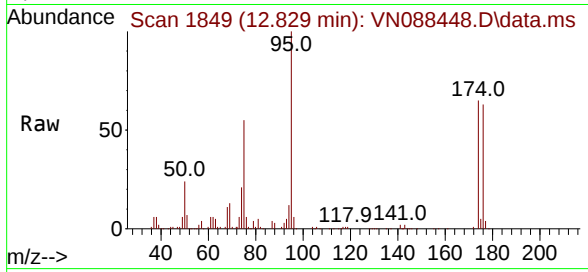
Tgt Ion: 75 Resp: 122025
 Ion Ratio Lower Upper
 75 100
 77 1.6 87.2 261.6#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 66.404 ug/l
 RT: 12.829 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN088448.D
 Acq: 04 Dec 2025 16:07

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-13B-47.5-120225



Tgt Ion: 75 Resp: 122025
 Ion Ratio Lower Upper
 75 100
 53 0.1 92.2 138.4#
 89 0.0 0.0 0.0

