

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN120325\
 Data File : VN088427.D
 Acq On : 03 Dec 2025 14:34
 Operator : JC\MD
 Sample : Q3756-07 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

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

Quant Time: Dec 04 00:19:15 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)

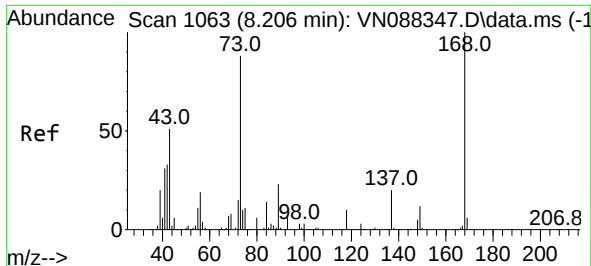
Internal Standards						
1) Pentafluorobenzene	8.206	168	193403	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.082	114	460083	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.841	117	460418	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.770	152	220285	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.559	65	235406	64.613	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 129.220%#		
35) Dibromofluoromethane	8.147	113	168584	52.875	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.740%		
50) Toluene-d8	10.547	98	567926	47.873	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 95.740%		
62) 4-Bromofluorobenzene	12.829	95	210362	51.680	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 103.360%		
Target Compounds						
					Qvalue	
16) Acetone	4.418	43	743	0.564	ug/l #	48
31) Cyclohexane	8.206	56	6615	1.381	ug/l #	14
36) 1,1-Dichloropropene	8.206	75	20610	4.188	ug/l #	45
38) Carbon Tetrachloride	8.206	117	25700	5.247	ug/l #	15
51) 4-Methyl-2-Pentanone	10.541	43	3393	0.582	ug/l #	1
71) Bromoform	12.823	173	1389	0.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.829	75	126576	24.533	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.829	75	126576	69.598	ug/l #	1

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

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The chromatogram displays a series of peaks over a 16-minute period. The y-axis represents Abundance, ranging from 0 to 1,050,000. The x-axis represents Time in minutes, ranging from 2.00 to 16.00. The following table summarizes the labeled peaks:

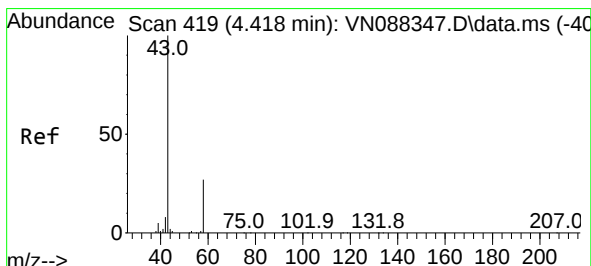
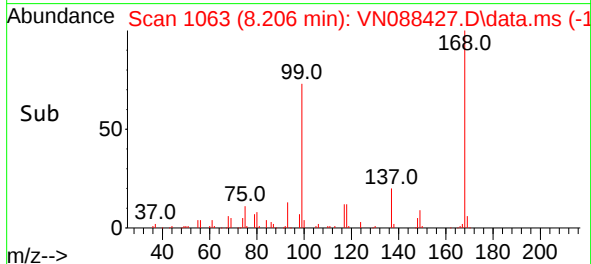
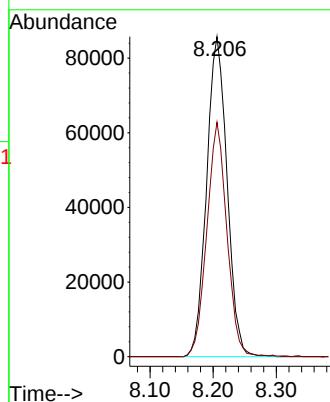
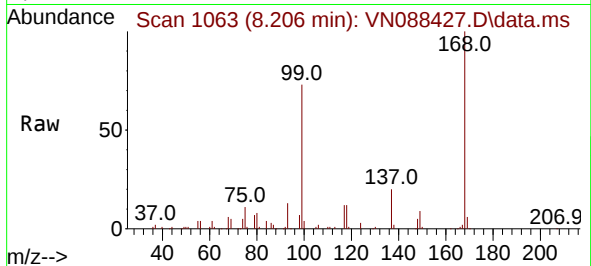
Time (min)	Abundance (approx.)	Label
4.4	50,000	Acetone, T
8.1	240,000	Dibromofluorobenzene, T
8.3	280,000	1,2-Dichloroethane-d4, S
9.1	590,000	1,4-Difluorobenzene, I
10.6	800,000	1,4-Dichlorobenzene-d4, I
11.9	800,000	Chlorobenzene-d5, I
12.8	580,000	Bromobenzene, T
13.8	840,000	1,4-Dichlorobenzene-d4, I



#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.206 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

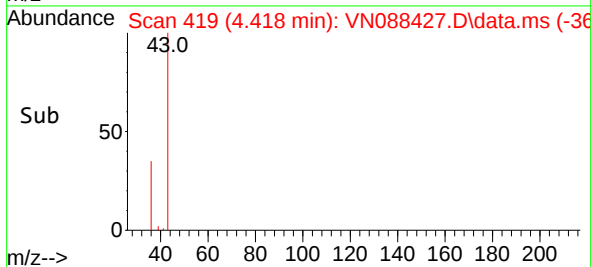
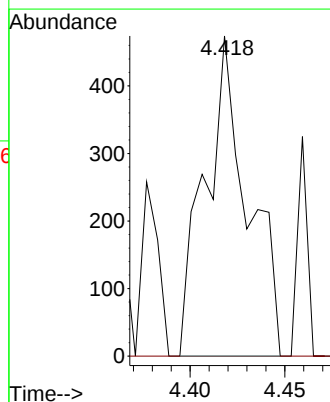
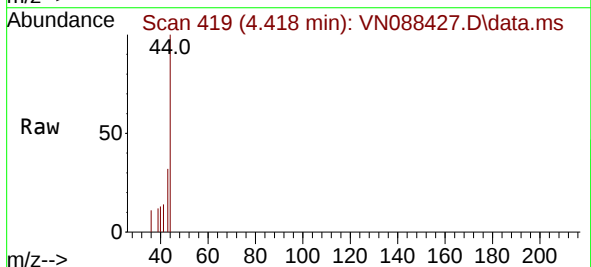
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

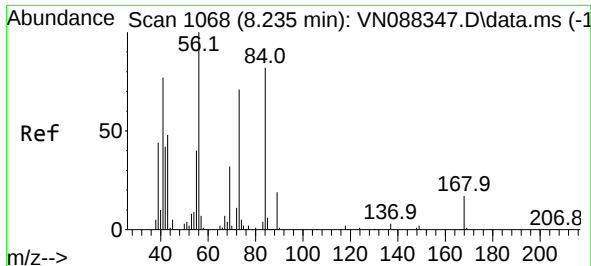
Tgt Ion:168 Resp: 193403
Ion Ratio Lower Upper
168 100
99 73.3 57.1 85.7



#16
Acetone
Concen: 0.564 ug/l
RT: 4.418 min Scan# 419
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 43 Resp: 743
Ion Ratio Lower Upper
43 100
58 0.0 21.7 32.5#

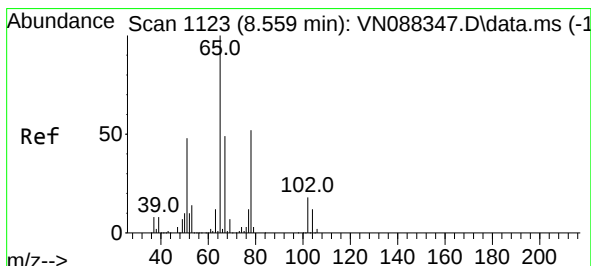
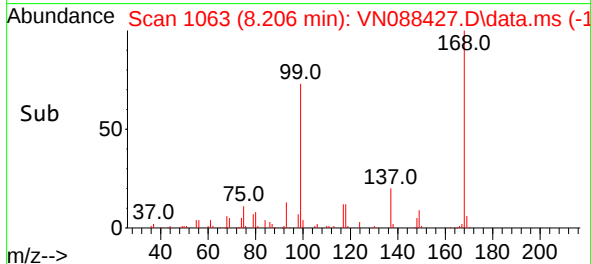
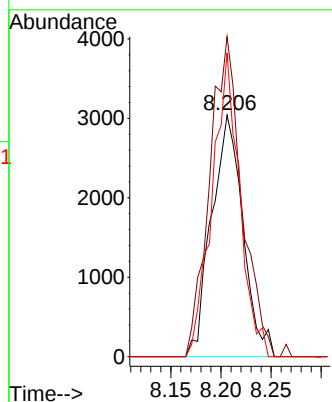
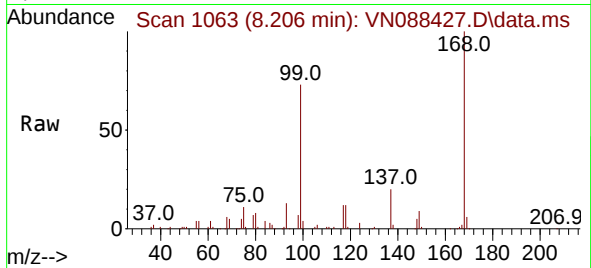




#31
Cyclohexane
Concen: 1.381 ug/l
RT: 8.206 min Scan# 1063
Delta R.T. -0.029 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

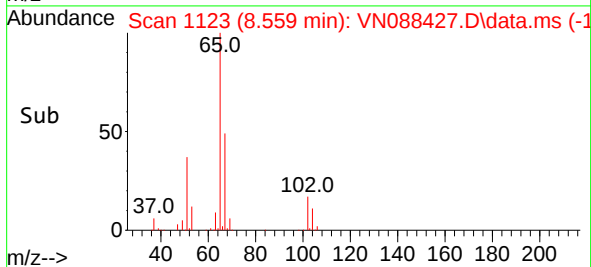
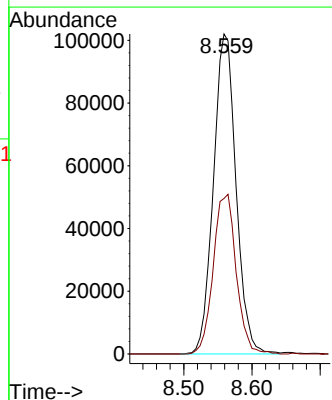
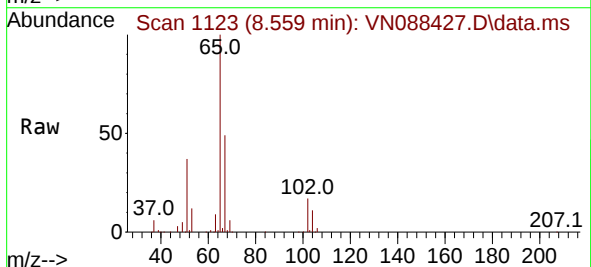
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

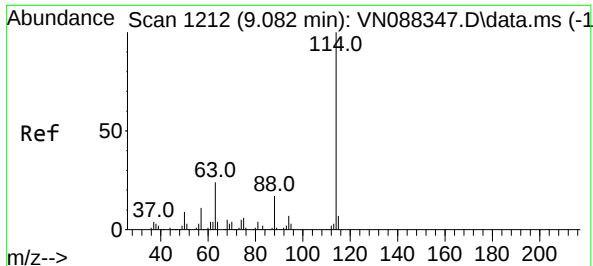
Tgt Ion: 56 Resp: 6615
Ion Ratio Lower Upper
56 100
69 132.5 25.3 37.9#
84 125.8 65.4 98.2#



#33
1,2-Dichloroethane-d4
Concen: 64.613 ug/l
RT: 8.559 min Scan# 1123
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 65 Resp: 235406
Ion Ratio Lower Upper
65 100
67 50.7 0.0 100.8

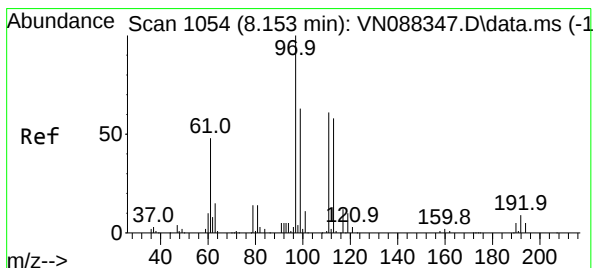
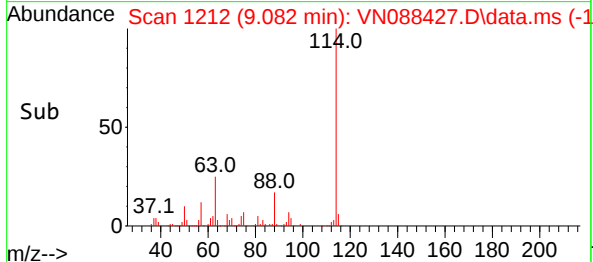
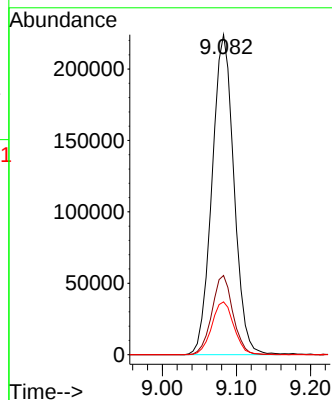
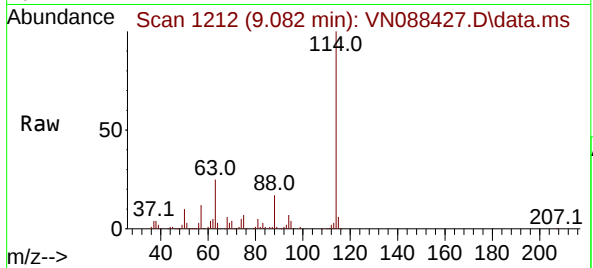




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.082 min Scan# 11
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

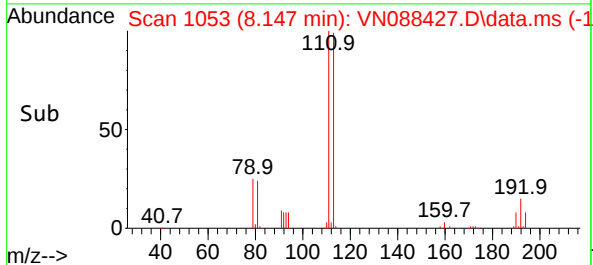
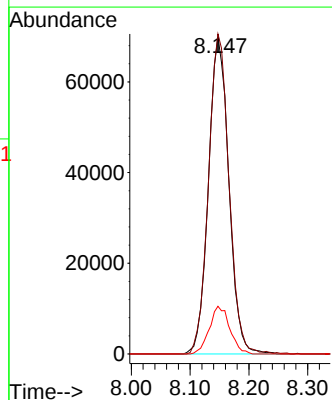
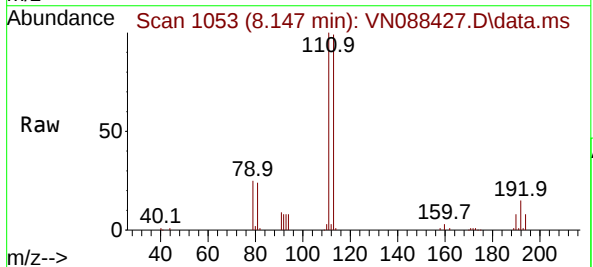
Instrument :
MSVOA_N
ClientSampleId :
MW-13B-47.5-120225

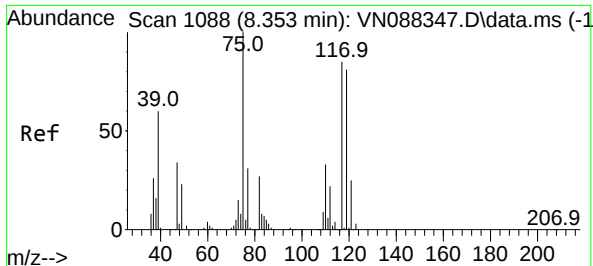
Tgt Ion:114 Resp: 460083
Ion Ratio Lower Upper
114 100
63 24.8 0.0 49.0
88 16.5 0.0 34.0



#35
Dibromofluoromethane
Concen: 52.875 ug/l
RT: 8.147 min Scan# 1053
Delta R.T. -0.006 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion:113 Resp: 168584
Ion Ratio Lower Upper
113 100
111 101.4 82.5 123.7
192 15.1 12.8 19.2





#36

1,1-Dichloropropene

Concen: 4.188 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.147 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

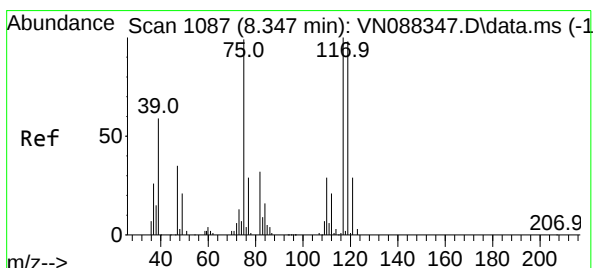
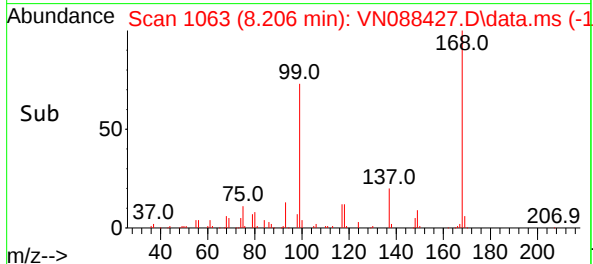
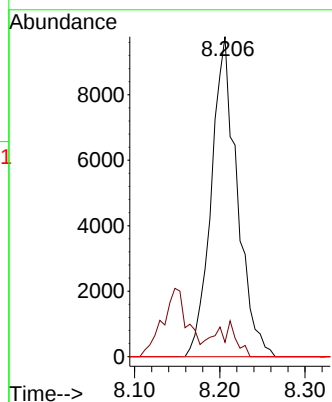
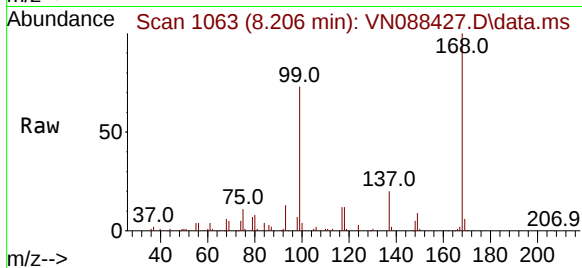
Tgt Ion: 75 Resp: 20610

Ion Ratio Lower Upper

75 100

110 1.7 15.8 47.4#

77 0.0 24.2 36.2#



#38

Carbon Tetrachloride

Concen: 5.247 ug/l

RT: 8.206 min Scan# 1063

Delta R.T. -0.141 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

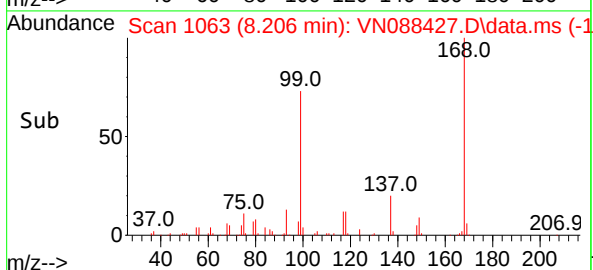
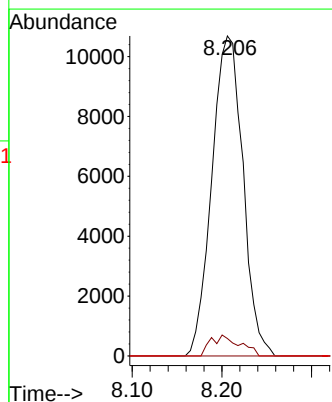
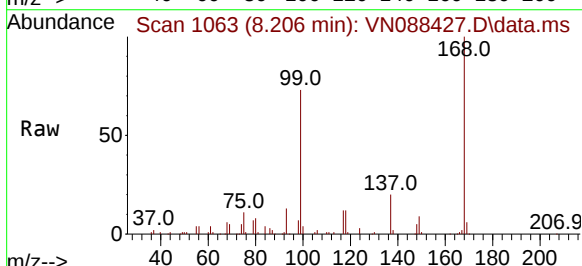
Tgt Ion: 117 Resp: 25700

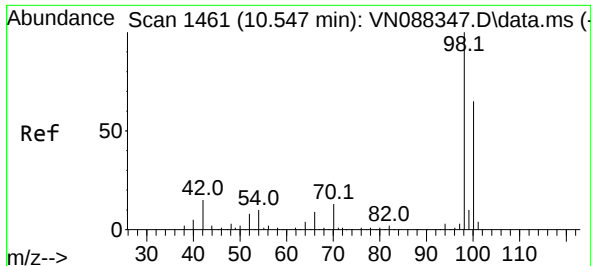
Ion Ratio Lower Upper

117 100

119 5.4 78.2 117.4#

121 0.0 23.4 35.2#

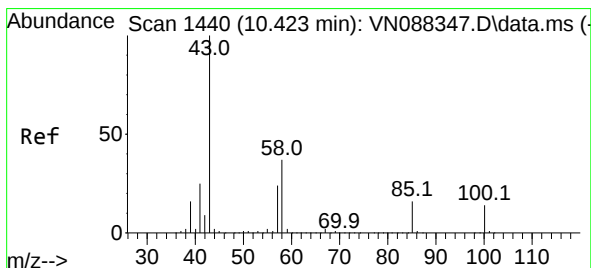
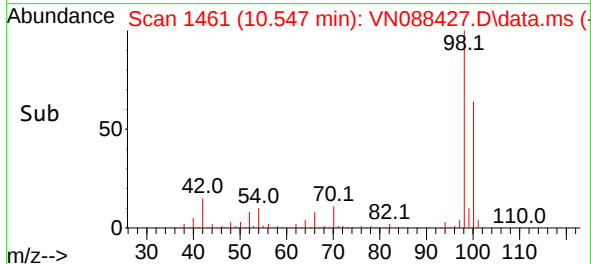
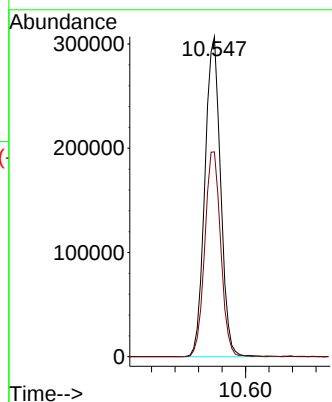
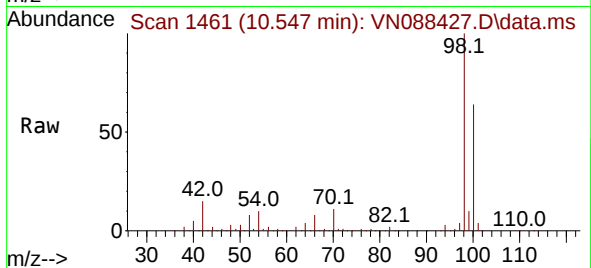




#50
Toluene-d8
Concen: 47.873 ug/l
RT: 10.547 min Scan# 1461
Delta R.T. 0.000 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

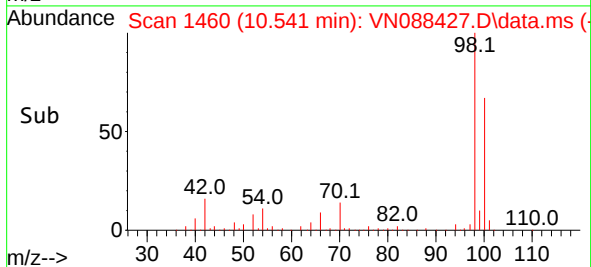
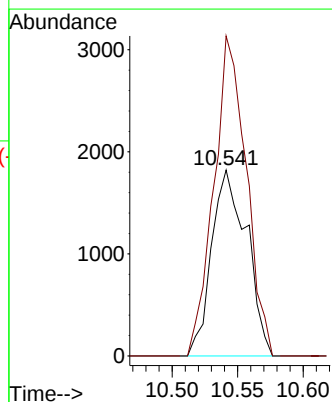
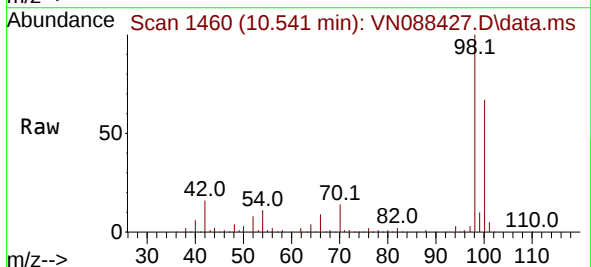
Instrument :
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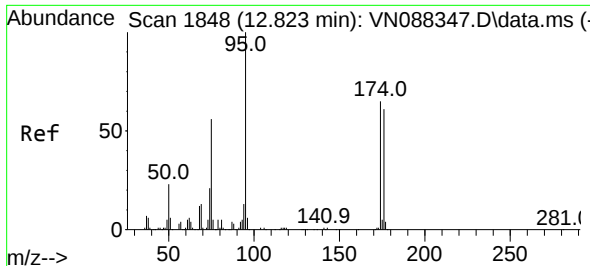
Tgt Ion: 98 Resp: 567926
Ion Ratio Lower Upper
98 100
100 65.0 52.2 78.2



#51
4-Methyl-2-Pentanone
Concen: 0.582 ug/l
RT: 10.541 min Scan# 1460
Delta R.T. 0.118 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 43 Resp: 3393
Ion Ratio Lower Upper
43 100
58 158.9 29.1 43.7#

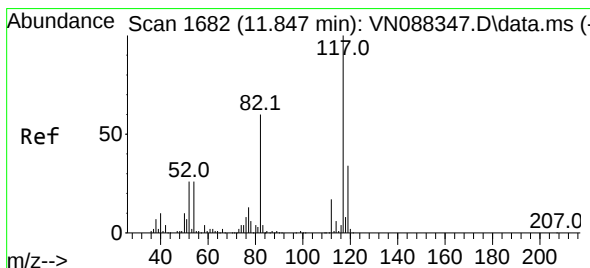
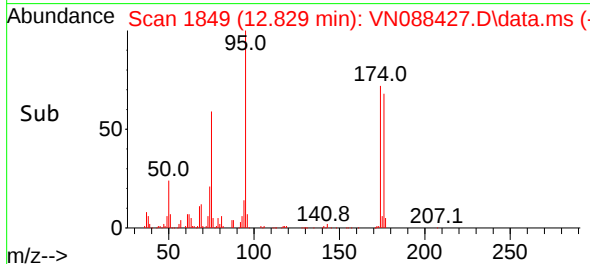
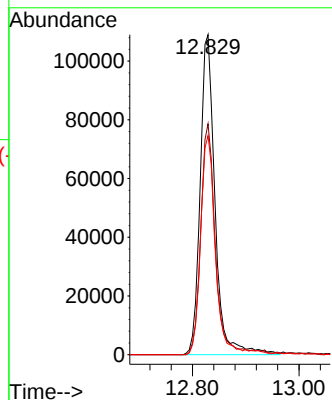
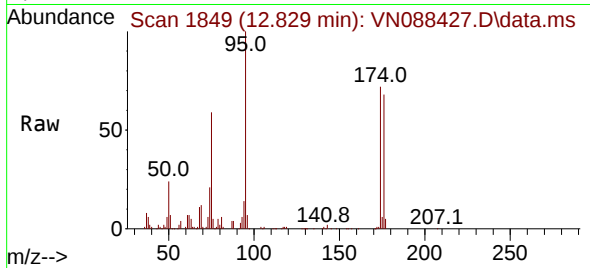




#62
4-Bromofluorobenzene
Concen: 51.680 ug/l
RT: 12.829 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

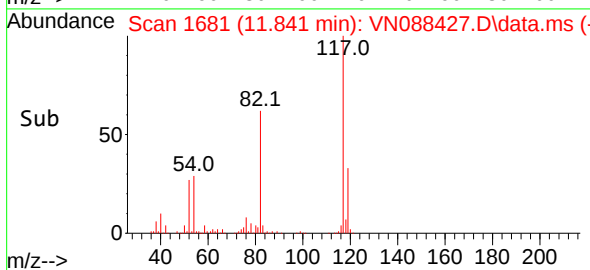
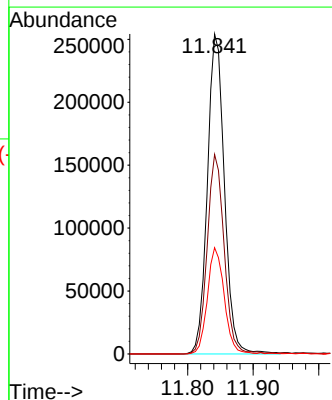
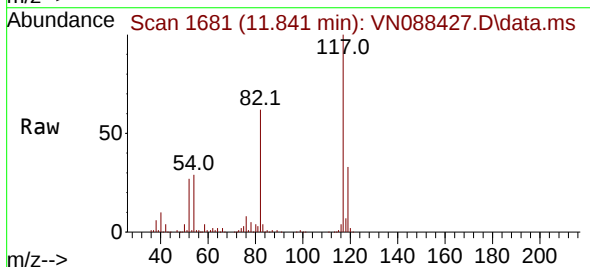
Instrument :
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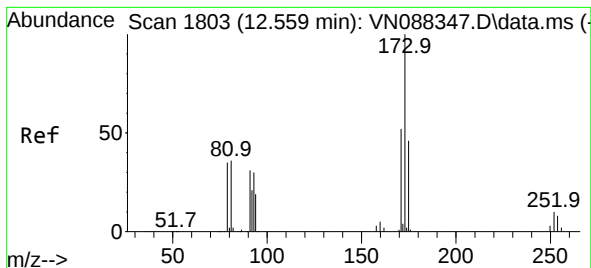
Tgt Ion: 95 Resp: 210362
Ion Ratio Lower Upper
95 100
174 70.6 0.0 139.0
176 68.4 0.0 132.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.841 min Scan# 1681
Delta R.T. -0.006 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 117 Resp: 460418
Ion Ratio Lower Upper
117 100
82 62.3 47.8 71.8
119 33.2 26.9 40.3





#71

Bromoform

Concen: 0.544 ug/l

RT: 12.823 min Scan# 1

Delta R.T. 0.265 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

Instrument :

MSVOA_N

ClientSampleId :

MW-13B-47.5-120225

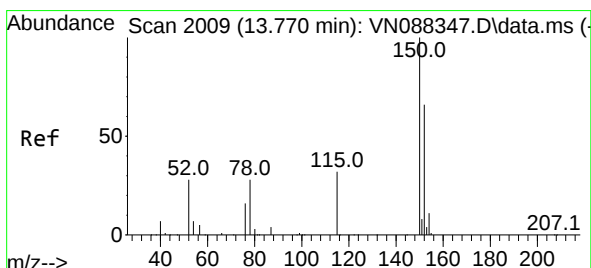
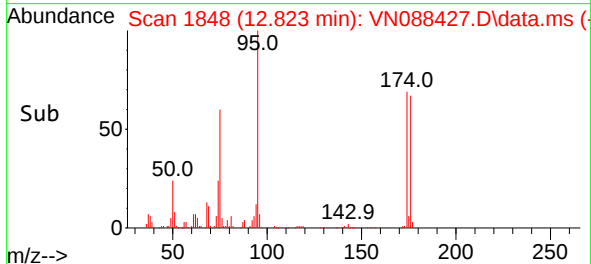
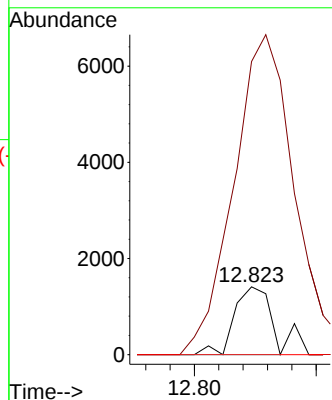
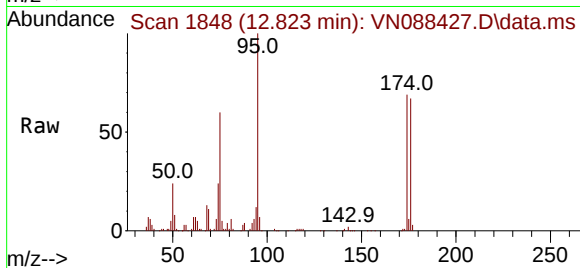
Tgt Ion:173 Resp: 1389

Ion Ratio Lower Upper

173 100

175 660.0 23.9 71.8#

254 0.0 0.1 0.1#



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.770 min Scan# 2009

Delta R.T. 0.000 min

Lab File: VN088427.D

Acq: 03 Dec 2025 14:34

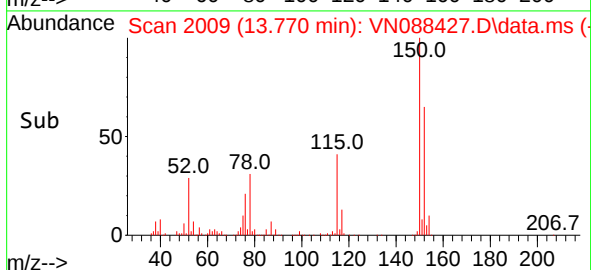
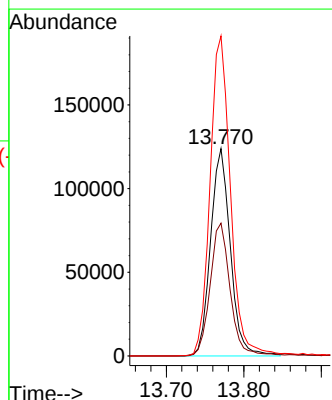
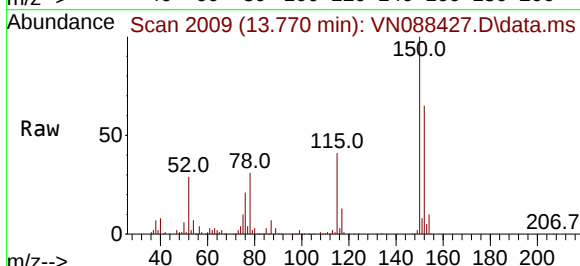
Tgt Ion:152 Resp: 220285

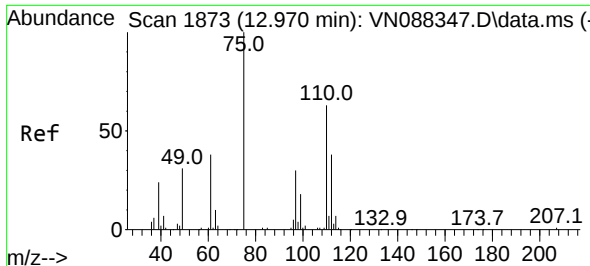
Ion Ratio Lower Upper

152 100

115 65.3 33.0 98.9

150 159.0 0.0 349.0

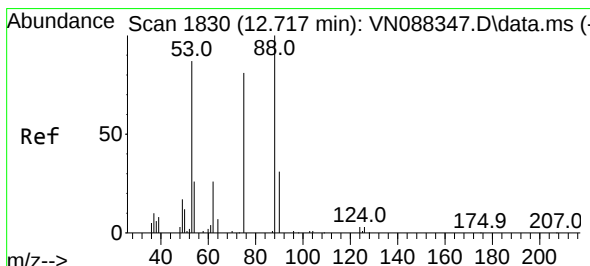
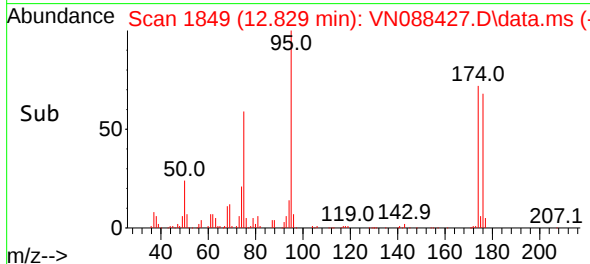
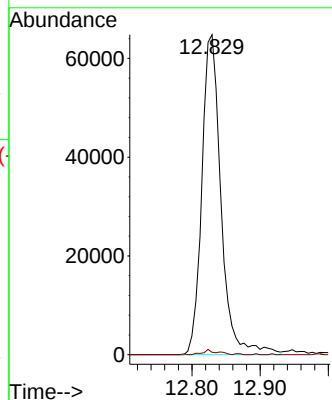
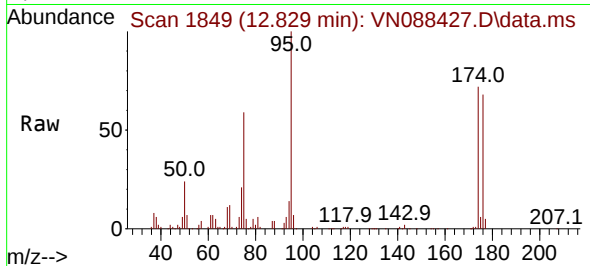




#76
1,2,3-Trichloropropane
Concen: 24.533 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. -0.141 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

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

Tgt Ion: 75 Resp: 126576
Ion Ratio Lower Upper
75 100
77 1.1 87.2 261.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 69.598 ug/l
RT: 12.829 min Scan# 1849
Delta R.T. 0.112 min
Lab File: VN088427.D
Acq: 03 Dec 2025 14:34

Tgt Ion: 75 Resp: 126576
Ion Ratio Lower Upper
75 100
53 0.2 92.2 138.4#
89 0.0 0.0 0.0

