

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN070125\
 Data File : VN087250.D
 Acq On : 01 Jul 2025 10:20
 Operator : JC\MD
 Sample : VN0701WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0701WBL01

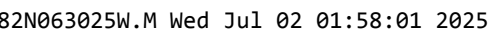
Quant Time: Jul 02 01:57:48 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N063025W.M
 Quant Title : SW846 8260
 QLast Update : Tue Jul 01 03:15:00 2025
 Response via : Initial Calibration

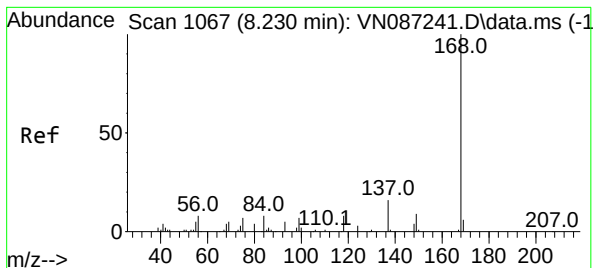
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	242463	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	449705	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	413338	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	208904	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	162343	53.349	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 106.700%			
35) Dibromofluoromethane	8.171	113	144568	50.206	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.420%			
50) Toluene-d8	10.565	98	544006	48.469	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 96.940%			
62) 4-Bromofluorobenzene	12.847	95	188727	47.259	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 94.520%			
Target Compounds						
					Qvalue	
31) Cyclohexane	8.230	56	4842	1.168	ug/l #	10
36) 1,1-Dichloropropene	8.236	75	17515	4.473	ug/l #	42
38) Carbon Tetrachloride	8.230	117	22941	5.170	ug/l #	16
51) 4-Methyl-2-Pentanone	10.571	43	1892	0.474	ug/l #	1
71) Bromoform	12.847	173	1715	0.694	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	93690	23.579	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	93690	55.384	ug/l #	14
94) Hexachlorobutadiene	15.494	225	260	0.211	ug/l #	52

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

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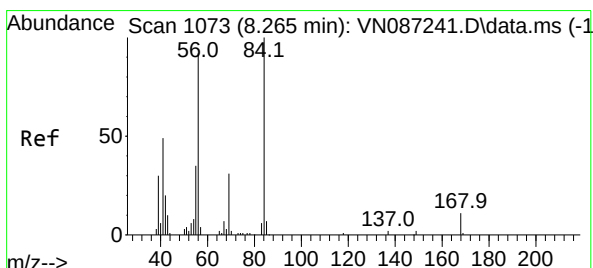
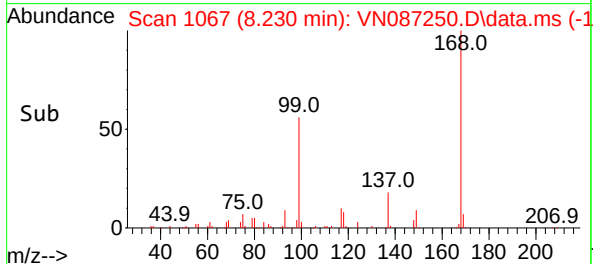
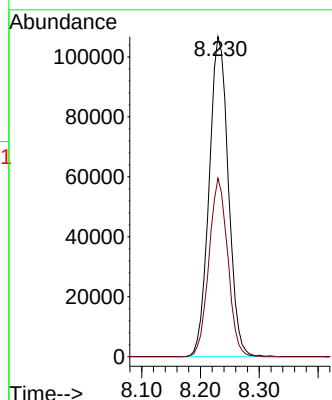
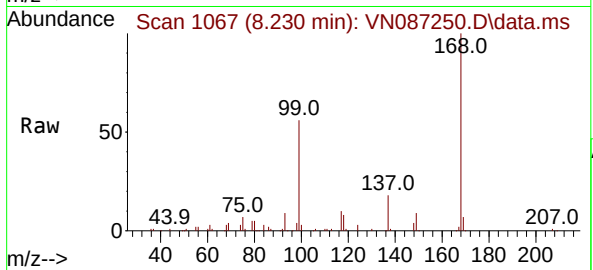




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.000 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

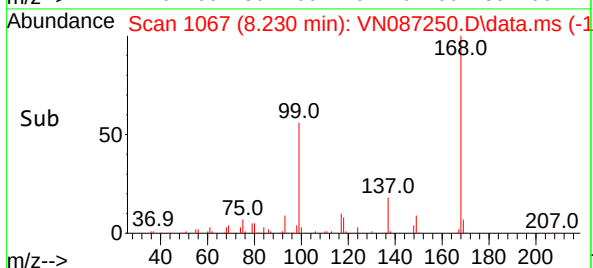
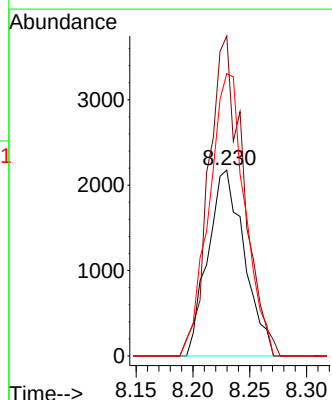
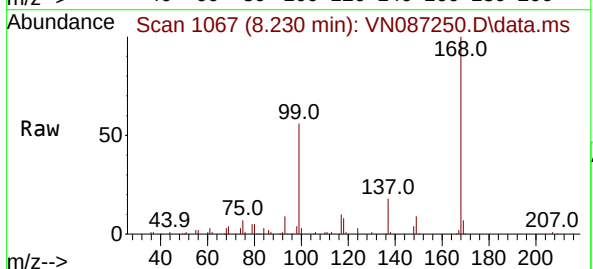
Instrument :
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ClientSampleId :
VN0701WBL01

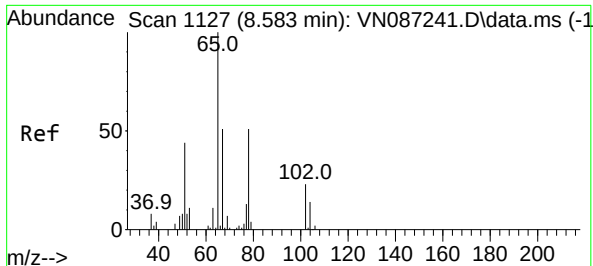
Tgt Ion:168 Resp: 242463
Ion Ratio Lower Upper
168 100
99 55.8 42.6 64.0



#31
Cyclohexane
Concen: 1.168 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.035 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

Tgt Ion: 56 Resp: 4842
Ion Ratio Lower Upper
56 100
69 172.1 27.0 40.6#
84 151.9 86.2 129.4#

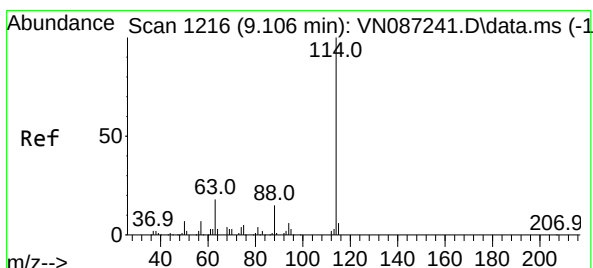
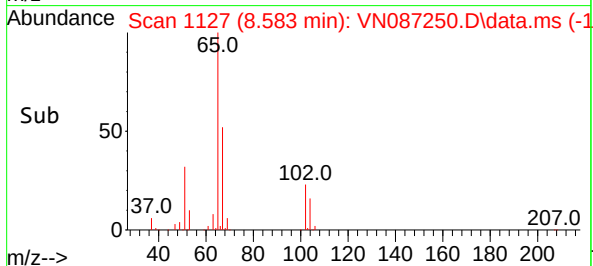
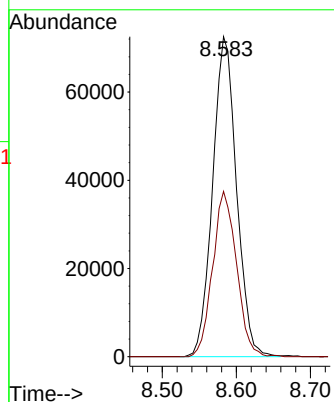
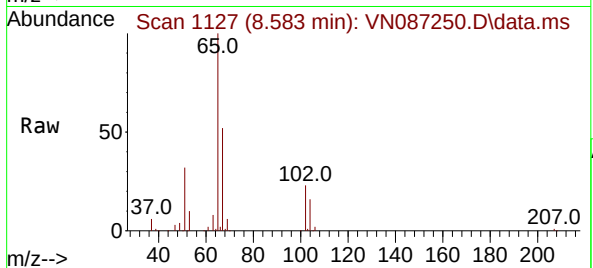




#33
 1,2-Dichloroethane-d4
 Concen: 53.349 ug/l
 RT: 8.583 min Scan# 1127
 Delta R.T. -0.000 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

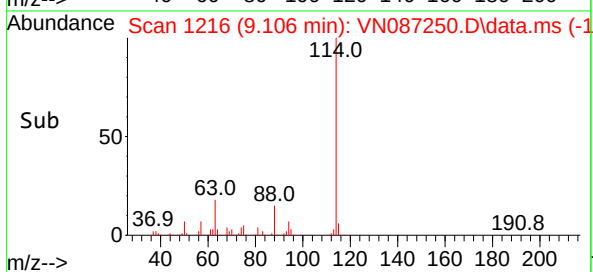
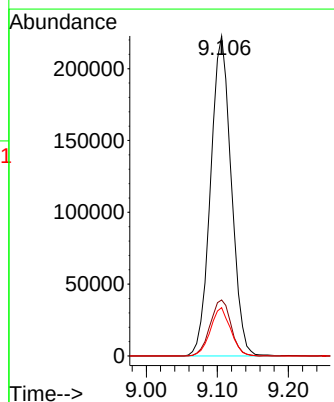
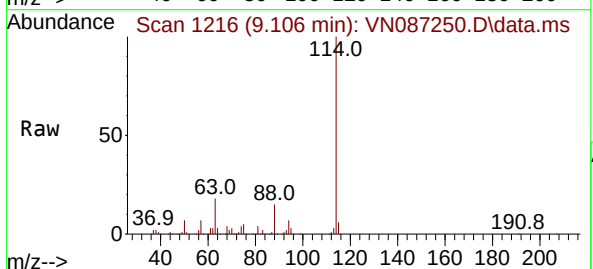
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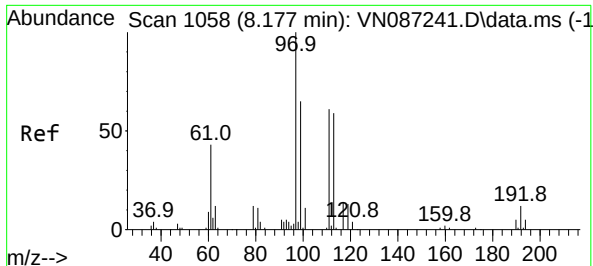
Tgt Ion: 65 Resp: 162343
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 102.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.106 min Scan# 1216
 Delta R.T. 0.000 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

Tgt Ion: 114 Resp: 449705
 Ion Ratio Lower Upper
 114 100
 63 17.5 0.0 36.6
 88 15.1 0.0 29.6





#35

Dibromofluoromethane

Concen: 50.206 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.006 min

Lab File: VN087250.D

Acq: 01 Jul 2025 10:20

Instrument :

MSVOA_N

ClientSampleId :

VN0701WBL01

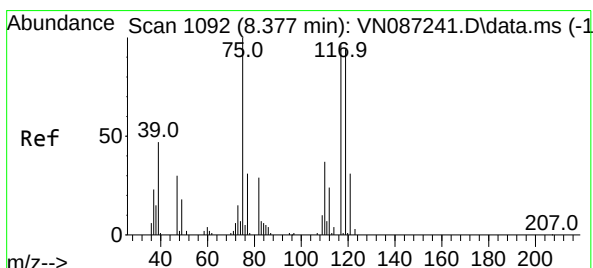
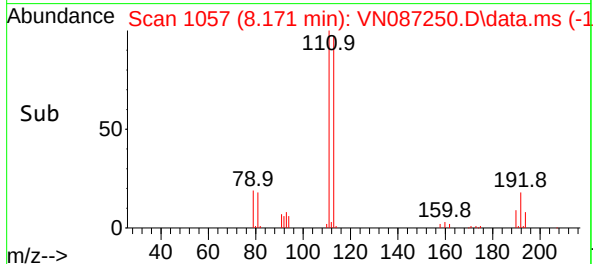
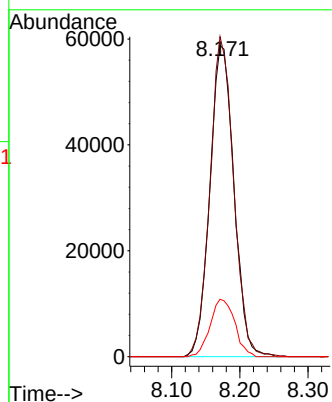
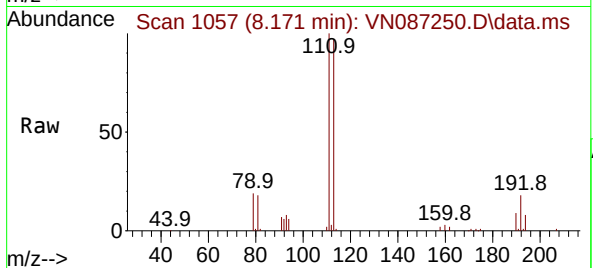
Tgt Ion:113 Resp: 144568

Ion Ratio Lower Upper

113 100

111 100.9 81.4 122.2

192 18.9 15.1 22.7



#36

1,1-Dichloropropene

Concen: 4.473 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087250.D

Acq: 01 Jul 2025 10:20

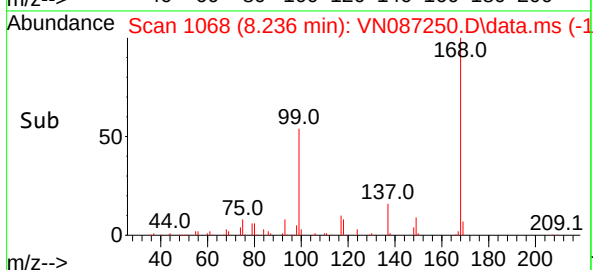
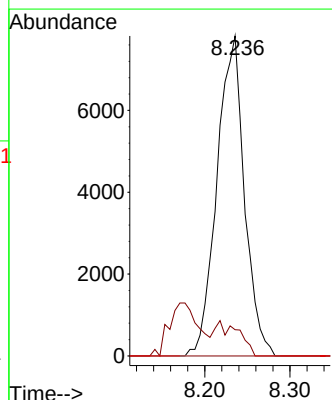
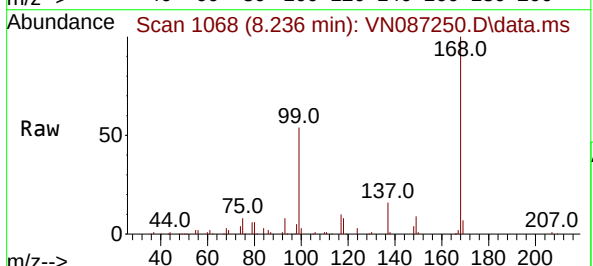
Tgt Ion: 75 Resp: 17515

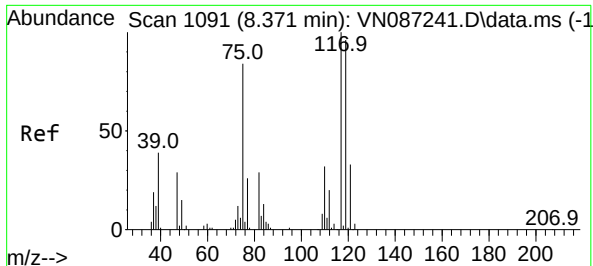
Ion Ratio Lower Upper

75 100

110 1.5 18.7 56.1#

77 0.0 24.5 36.7#

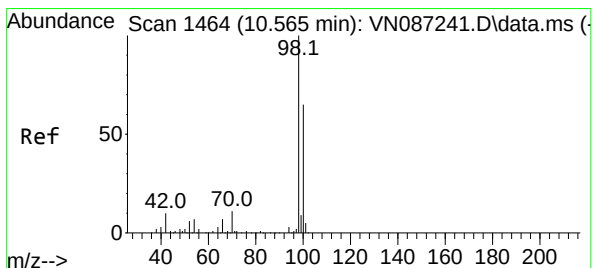
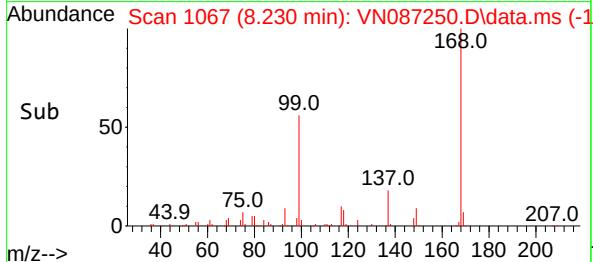
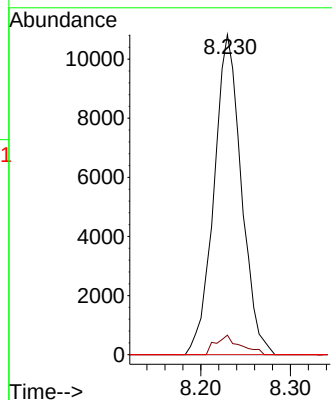
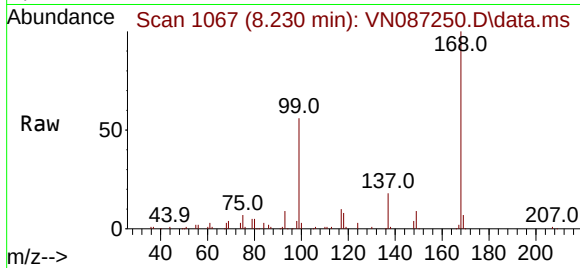




#38
Carbon Tetrachloride
Concen: 5.170 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

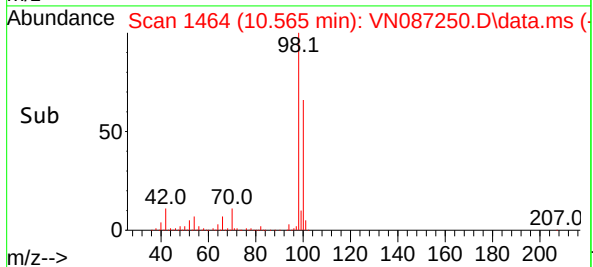
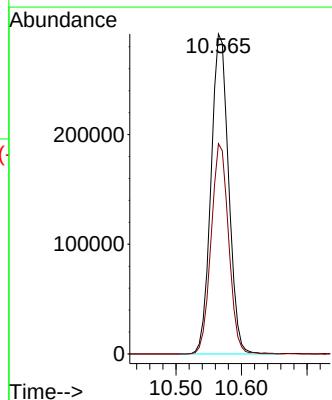
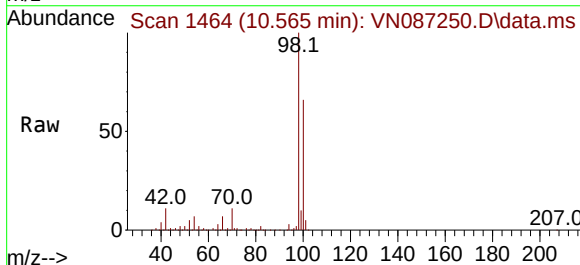
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VN0701WBL01

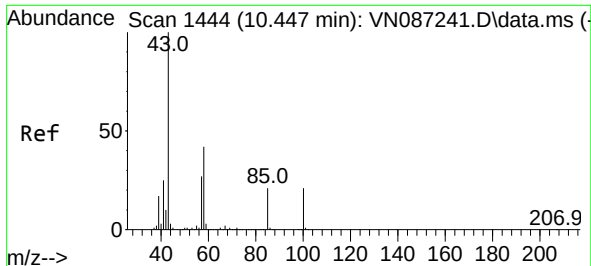
Tgt Ion:117 Resp: 22941
Ion Ratio Lower Upper
117 100
119 6.1 77.2 115.8#
121 0.0 26.6 39.8#



#50
Toluene-d8
Concen: 48.469 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

Tgt Ion: 98 Resp: 544006
Ion Ratio Lower Upper
98 100
100 65.3 52.1 78.1

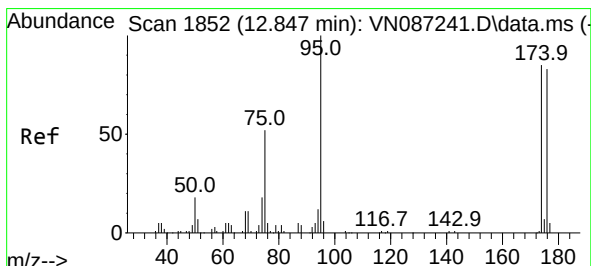
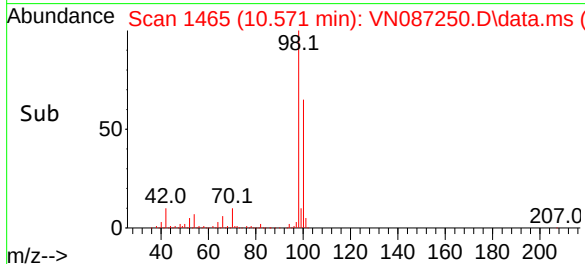
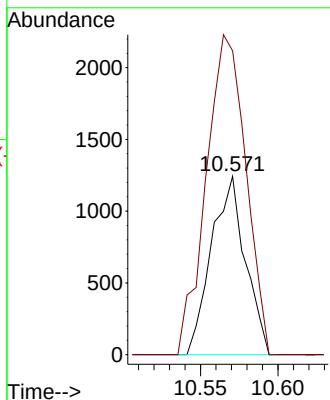
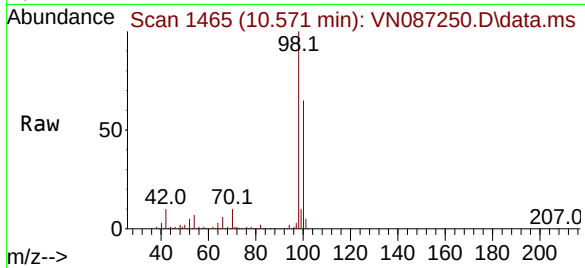




#51
 4-Methyl-2-Pentanone
 Concen: 0.474 ug/l
 RT: 10.571 min Scan# 1444
 Delta R.T. 0.124 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

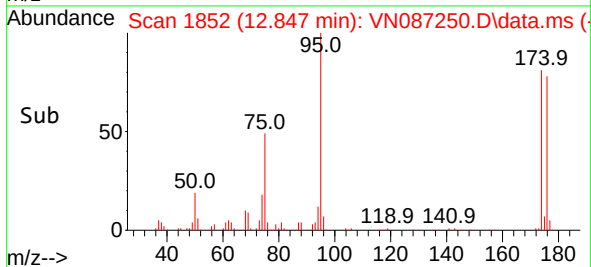
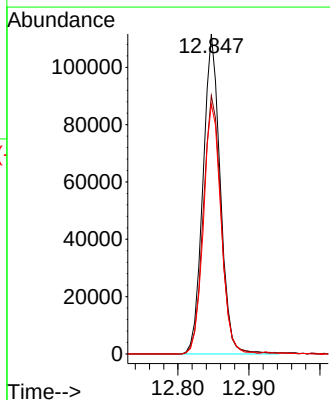
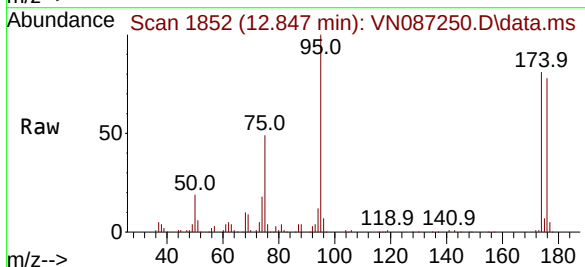
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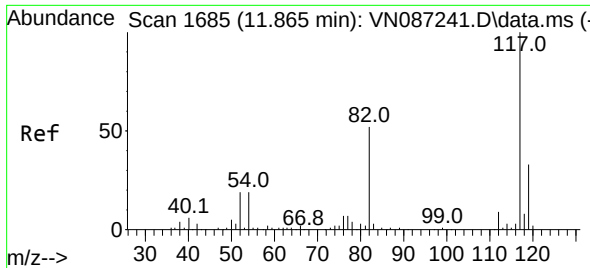
Tgt Ion: 43 Resp: 1892
 Ion Ratio Lower Upper
 43 100
 58 209.7 34.2 51.2#



#62
 4-Bromofluorobenzene
 Concen: 47.259 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. 0.000 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

Tgt Ion: 95 Resp: 188727
 Ion Ratio Lower Upper
 95 100
 174 83.5 0.0 169.6
 176 79.5 0.0 161.6

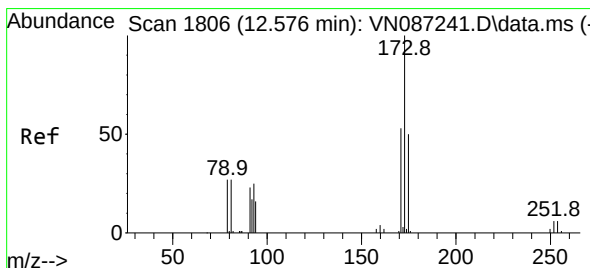
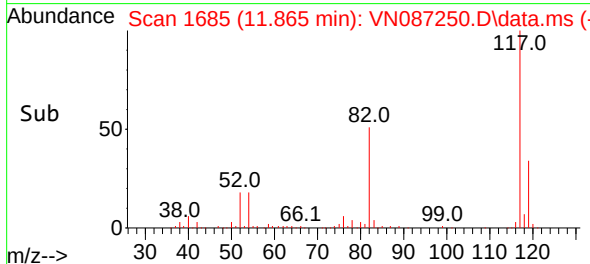
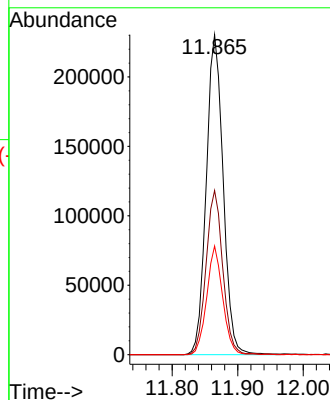
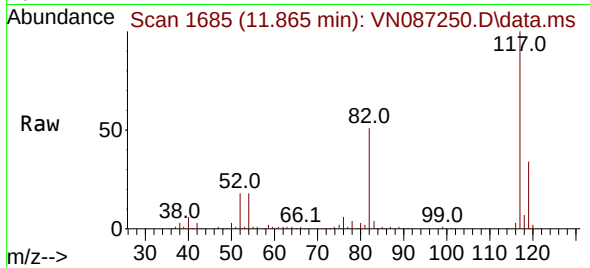




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

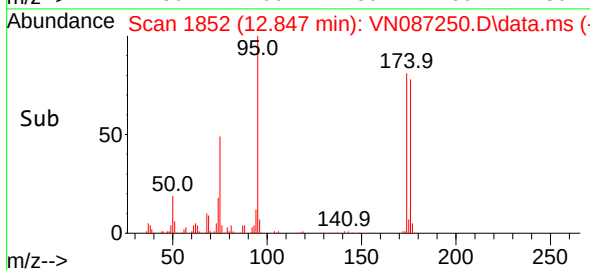
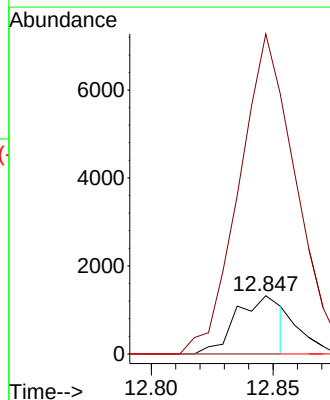
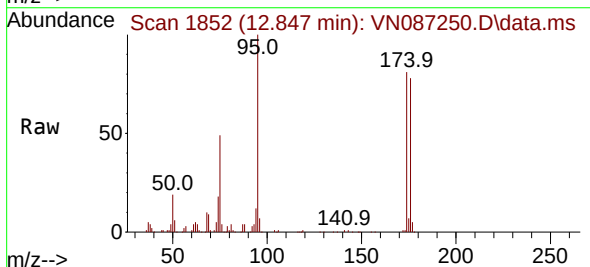
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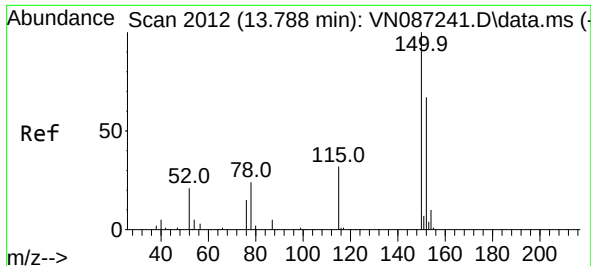
Tgt Ion:117 Resp: 413338
Ion Ratio Lower Upper
117 100
82 51.3 41.9 62.9
119 34.0 26.2 39.4



#71
Bromoform
Concen: 0.694 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

Tgt Ion:173 Resp: 1715
Ion Ratio Lower Upper
173 100
175 517.7 24.6 73.6#
254 0.0 0.0 0.0

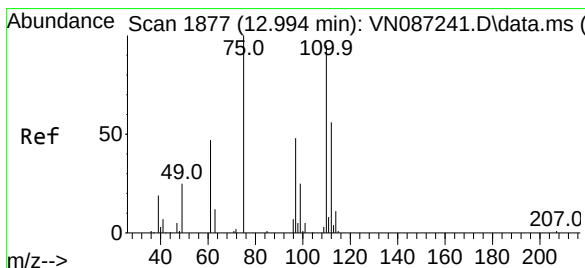
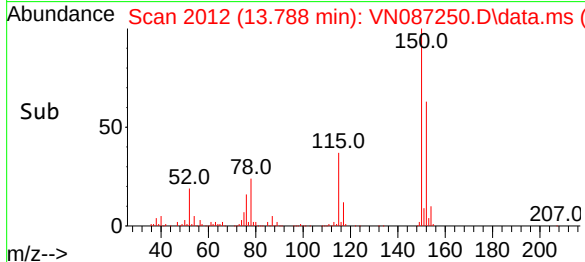
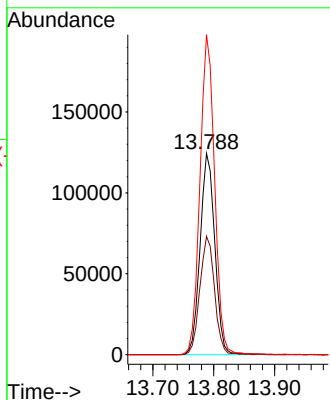
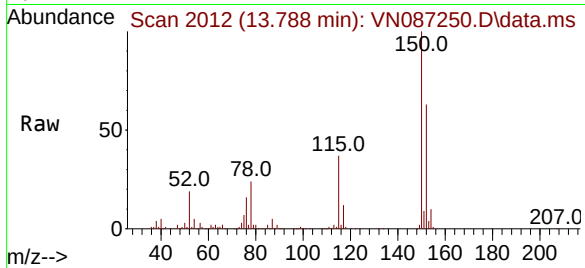




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

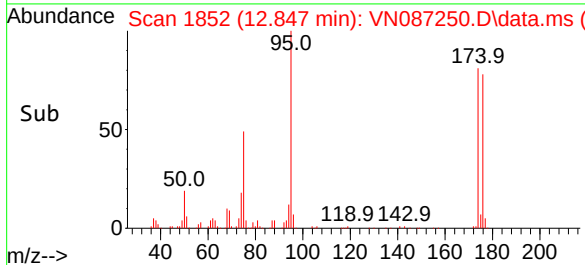
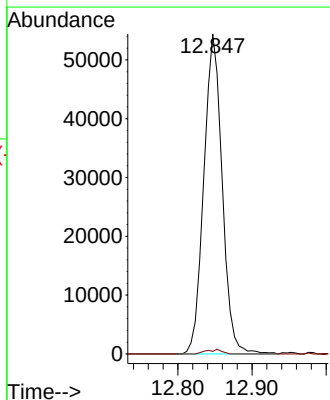
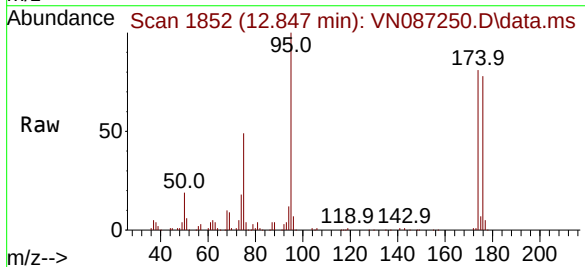
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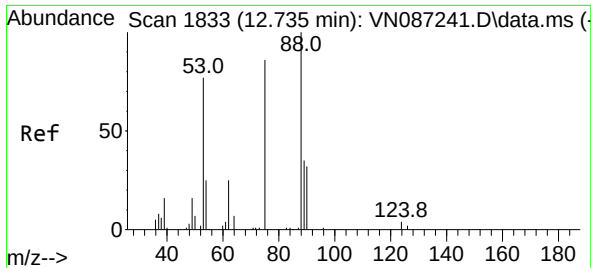
Tgt Ion:152 Resp: 208904
 Ion Ratio Lower Upper
 152 100
 115 58.7 28.3 84.9
 150 158.2 0.0 344.6



#76
 1,2,3-Trichloropropane
 Concen: 23.579 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087250.D
 Acq: 01 Jul 2025 10:20

Tgt Ion: 75 Resp: 93690
 Ion Ratio Lower Upper
 75 100
 77 1.2 82.0 245.8#

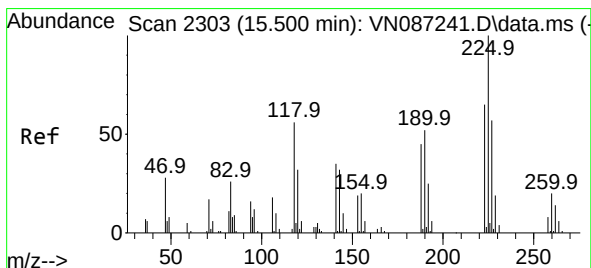
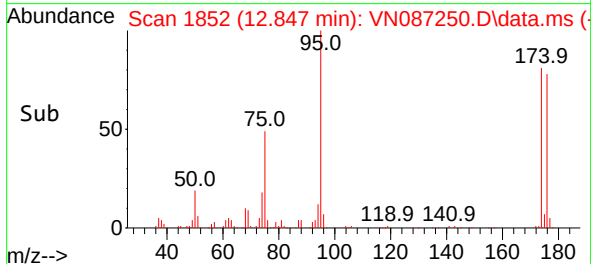
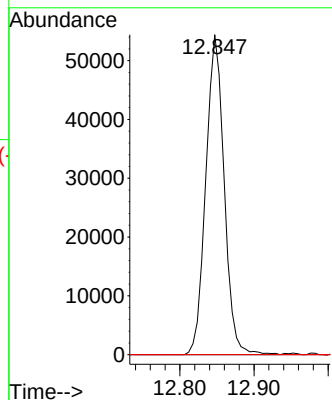
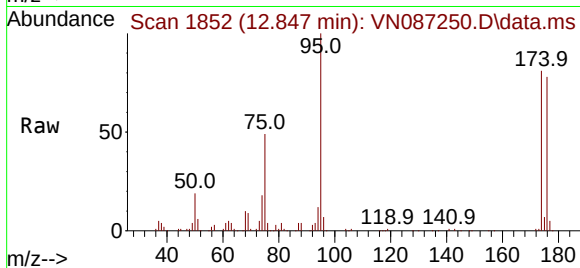




#81
trans-1,4-Dichloro-2-butene
Concen: 55.384 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

Instrument :
MSVOA_N
ClientSampleId :
VN0701WBL01

Tgt Ion: 75 Resp: 93690
Ion Ratio Lower Upper
75 100
53 0.0 70.6 105.8#
89 0.0 36.1 54.1#



#94
Hexachlorobutadiene
Concen: 0.211 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN087250.D
Acq: 01 Jul 2025 10:20

Tgt Ion: 225 Resp: 260
Ion Ratio Lower Upper
225 100
223 27.3 33.5 100.4#
227 25.4 30.9 92.7#

