

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087137.D
 Acq On : 20 Jun 2025 14:27
 Operator : JC\MD
 Sample : Q2377-01 100X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-B6-L66-061925

Quant Time: Jun 20 23:06:05 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

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

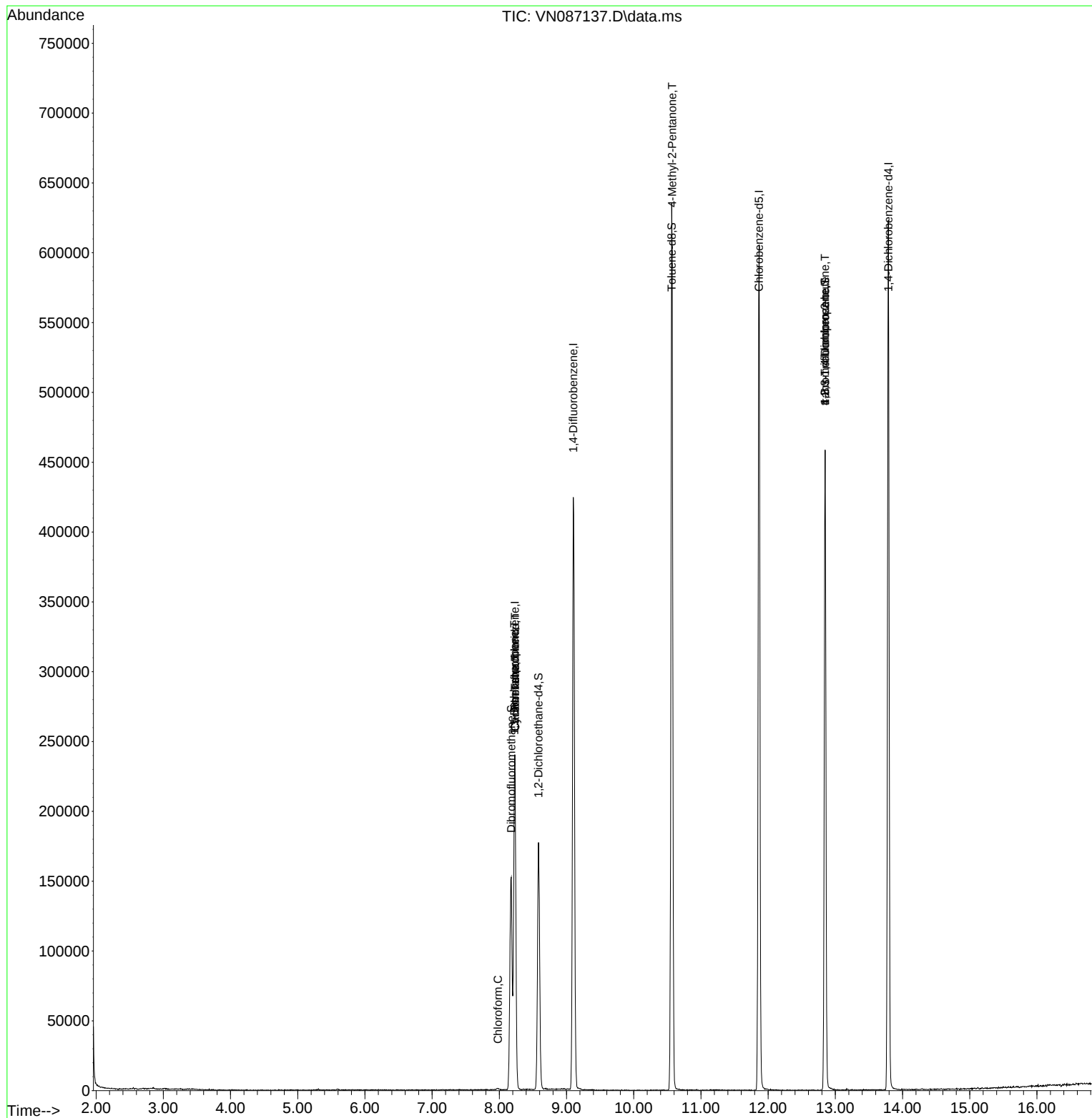
Internal Standards						
1) Pentafluorobenzene	8.230	168	187295	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	394752	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	381540	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	178554	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	142816	56.952	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 113.900%		
35) Dibromofluoromethane	8.177	113	118312	50.574	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.140%		
50) Toluene-d8	10.565	98	467107	50.438	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 100.880%		
62) 4-Bromofluorobenzene	12.847	95	182384	53.007	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 106.020%		
Target Compounds						
						Qvalue
30) Chloroform	7.977	83	1286	0.307	ug/l	92
31) Cyclohexane	8.236	56	3255	0.800	ug/l #	1
36) 1,1-Dichloropropene	8.224	75	14252	4.088	ug/l #	48
38) Carbon Tetrachloride	8.236	117	18324	5.354	ug/l #	18
51) 4-Methyl-2-Pentanone	10.571	43	1545	0.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83704	19.722	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83704	45.398	ug/l #	16

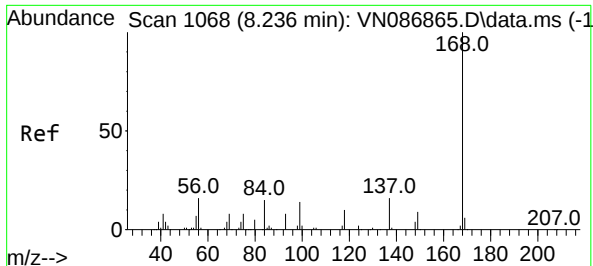
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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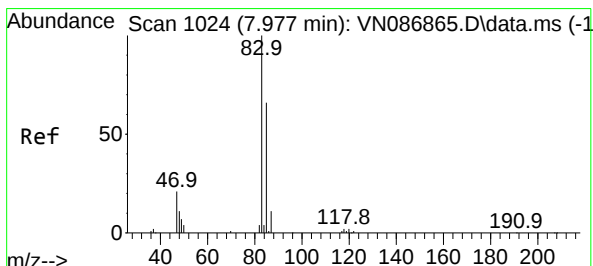
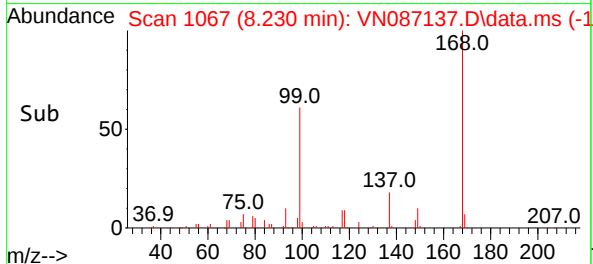
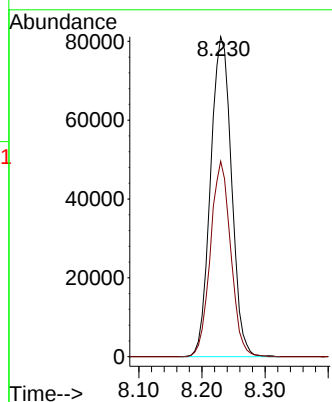
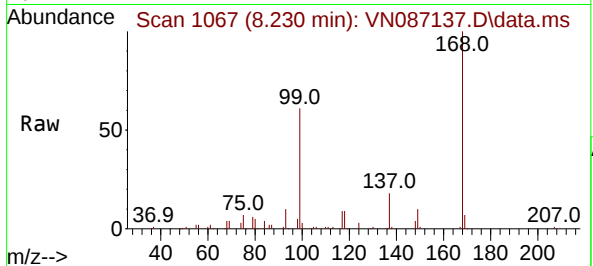




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

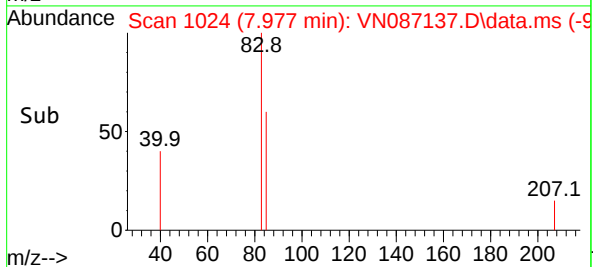
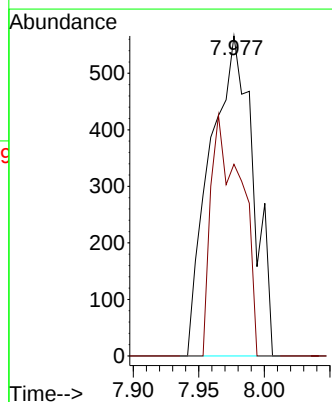
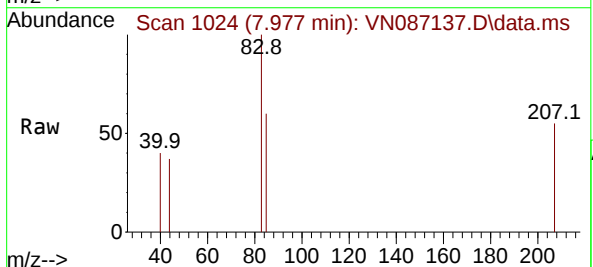
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

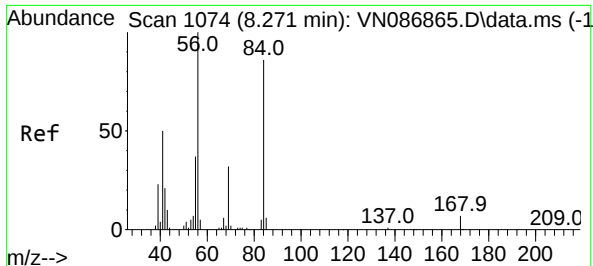
Tgt Ion:168 Resp: 187295
Ion Ratio Lower Upper
168 100
99 61.0 49.1 73.7



#30
Chloroform
Concen: 0.307 ug/l
RT: 7.977 min Scan# 1024
Delta R.T. -0.000 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

Tgt Ion: 83 Resp: 1286
Ion Ratio Lower Upper
83 100
85 59.9 52.9 79.3

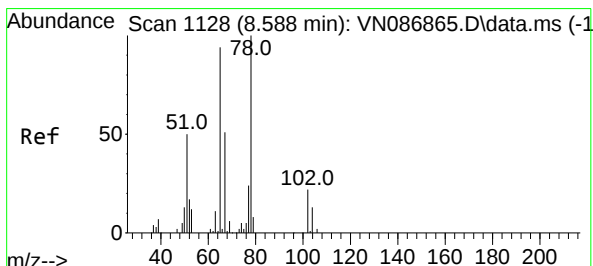
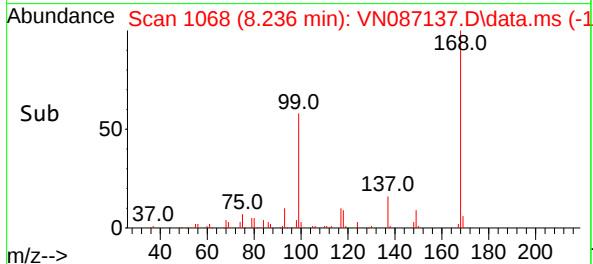
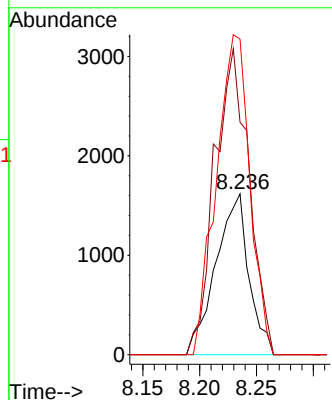
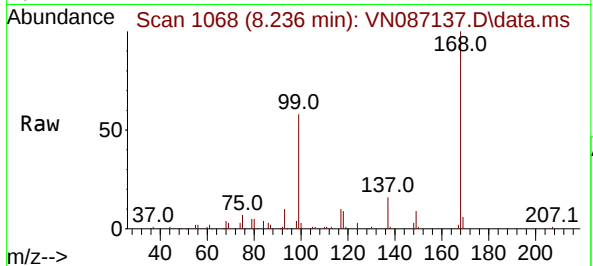




#31
Cyclohexane
Concen: 0.800 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

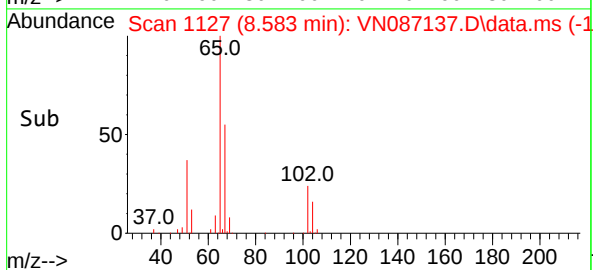
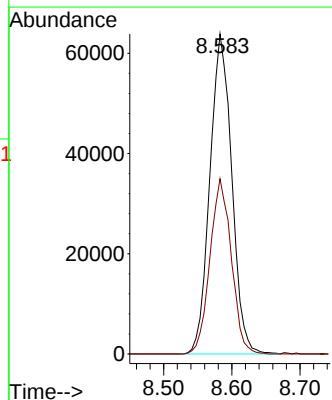
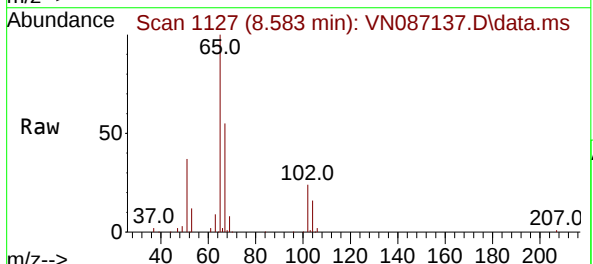
Instrument :
MSVOA_N
ClientSampleId :
PW-B6-L66-061925

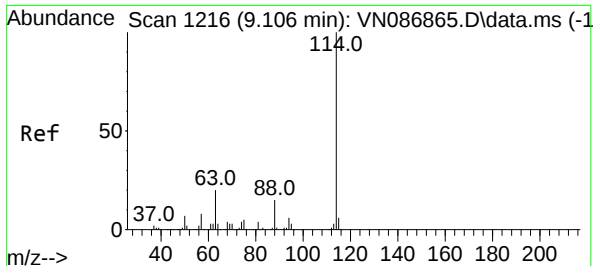
Tgt Ion: 56 Resp: 3255
Ion Ratio Lower Upper
56 100
69 144.7 25.4 38.0#
84 196.3 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 56.952 ug/l
RT: 8.583 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

Tgt Ion: 65 Resp: 142816
Ion Ratio Lower Upper
65 100
67 53.4 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 11

Delta R.T. -0.006 min

Lab File: VN087137.D

Acq: 20 Jun 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :

PW-B6-L66-061925

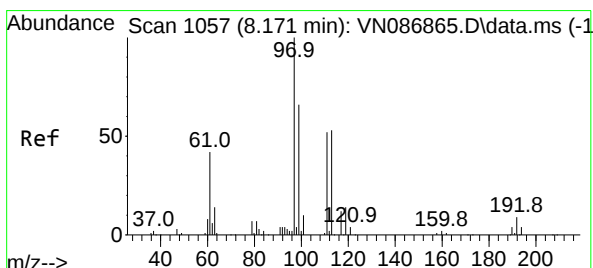
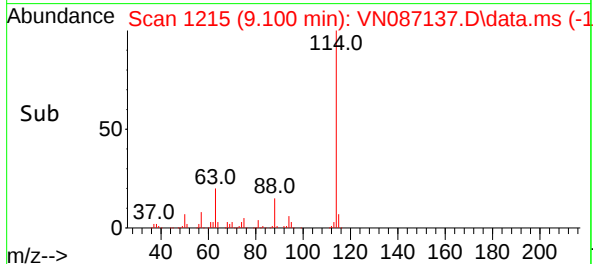
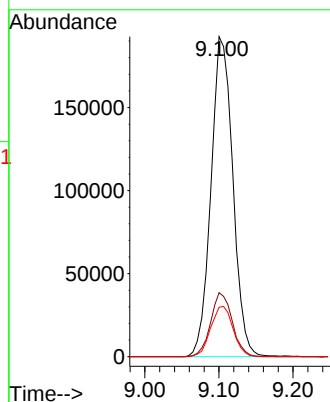
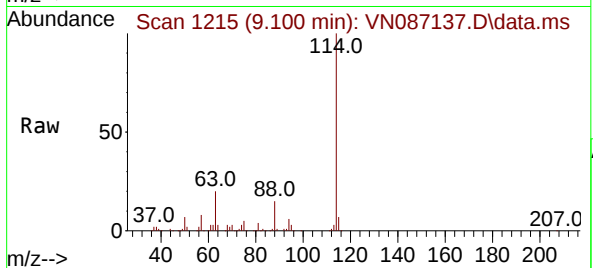
Tgt Ion:114 Resp: 394752

Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.4 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.574 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087137.D

Acq: 20 Jun 2025 14:27

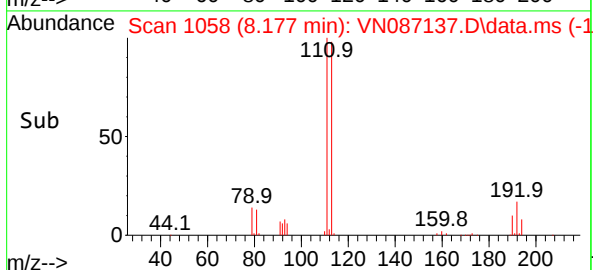
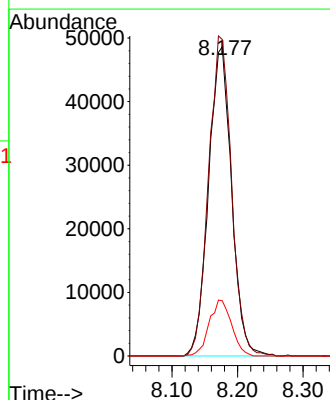
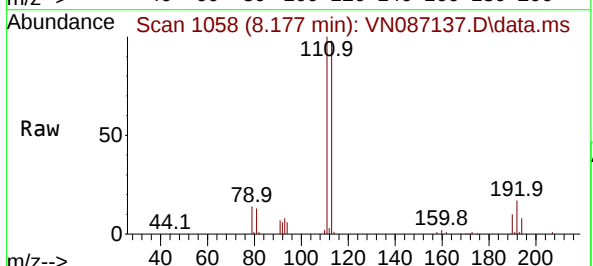
Tgt Ion:113 Resp: 118312

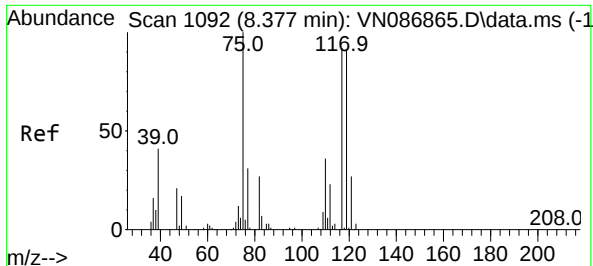
Ion Ratio Lower Upper

113 100

111 103.1 84.2 126.2

192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.088 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.153 min

Lab File: VN087137.D

Acq: 20 Jun 2025 14:27

Instrument :

MSVOA_N

ClientSampleId :

PW-B6-L66-061925

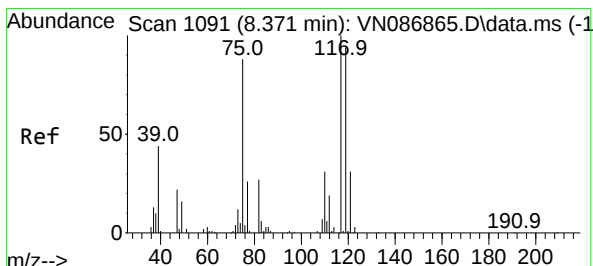
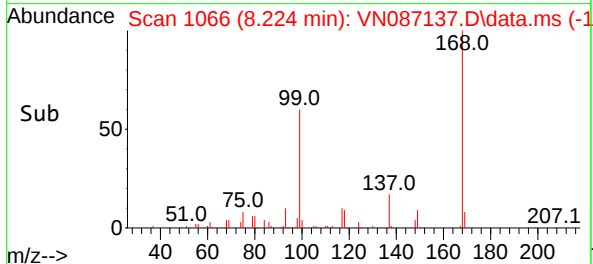
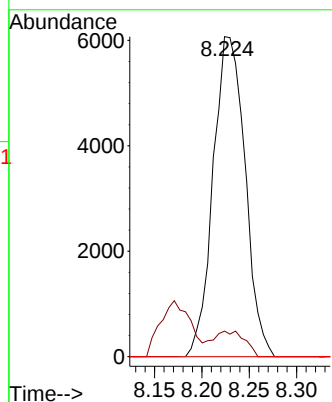
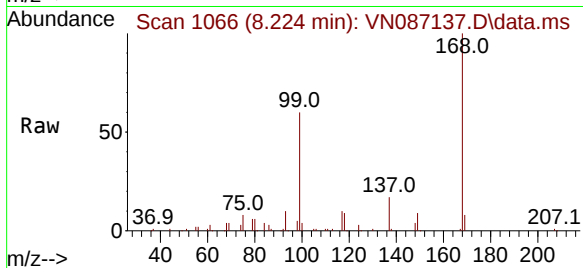
Tgt Ion: 75 Resp: 14252

Ion Ratio Lower Upper

75 100

110 7.4 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.354 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087137.D

Acq: 20 Jun 2025 14:27

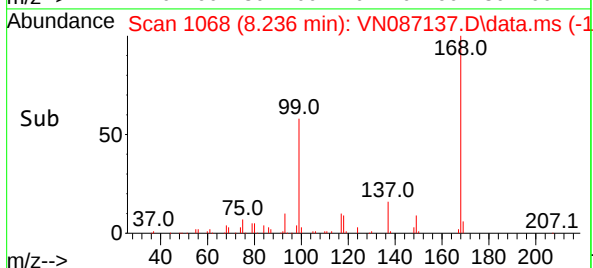
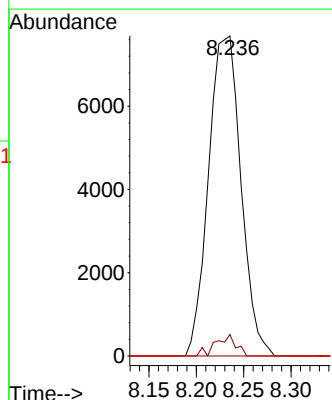
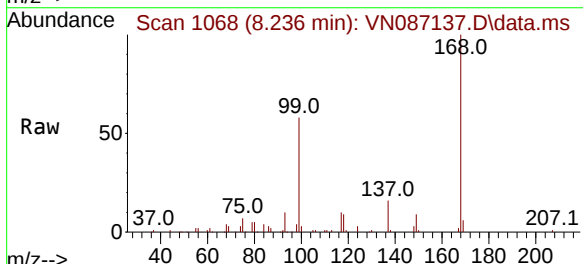
Tgt Ion: 117 Resp: 18324

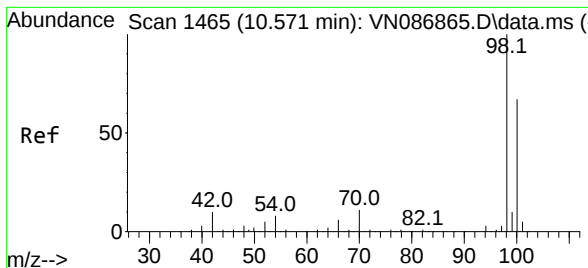
Ion Ratio Lower Upper

117 100

119 6.7 75.0 112.6#

121 0.0 24.9 37.3#

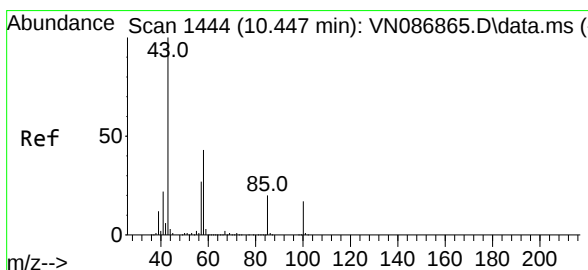
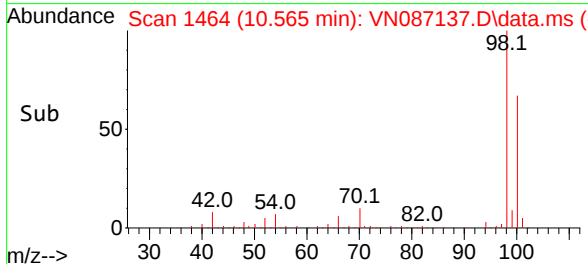
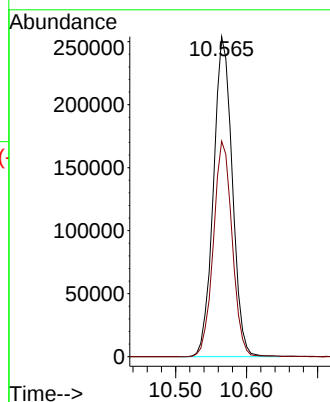
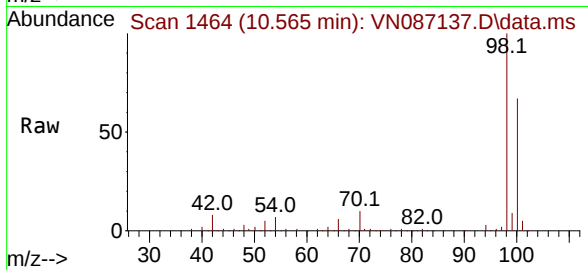




#50
Toluene-d8
Concen: 50.438 ug/l
RT: 10.565 min Scan# 1465
Delta R.T. -0.006 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

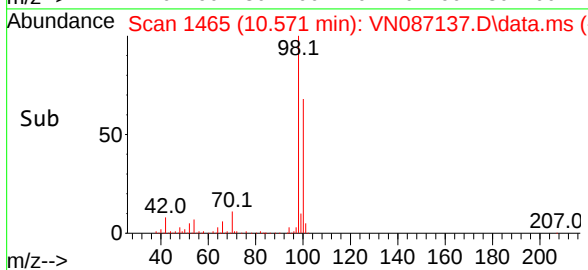
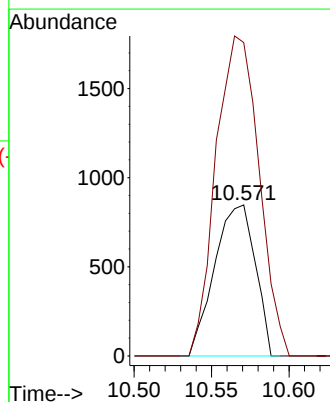
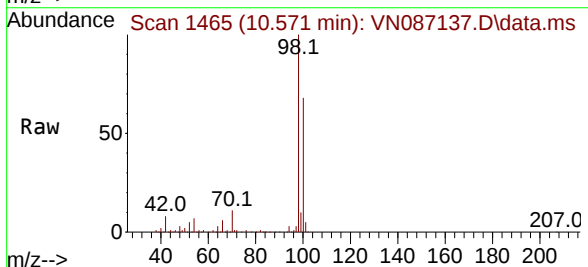
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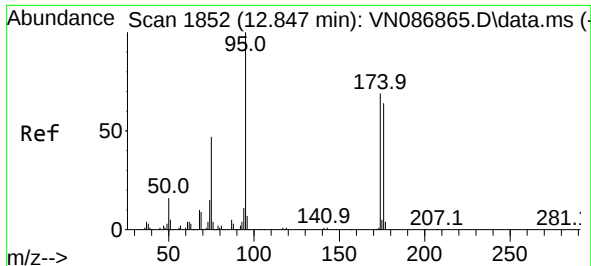
Tgt Ion: 98 Resp: 467107
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.360 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.124 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

Tgt Ion: 43 Resp: 1545
Ion Ratio Lower Upper
43 100
58 224.5 34.2 51.4#

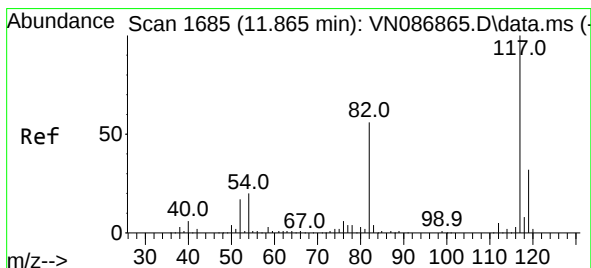
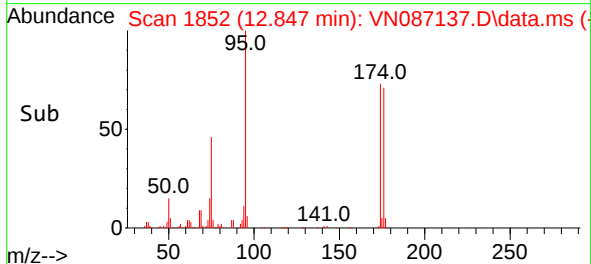
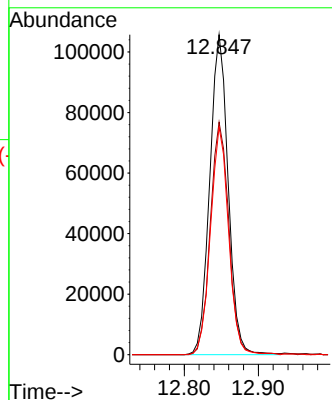
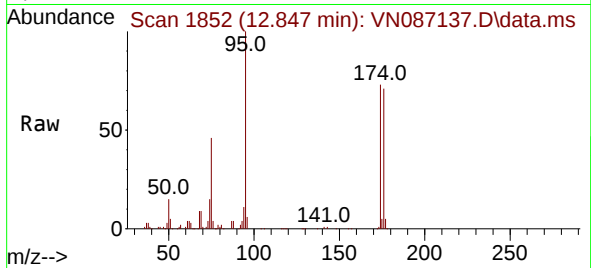




#62
4-Bromofluorobenzene
Concen: 53.007 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

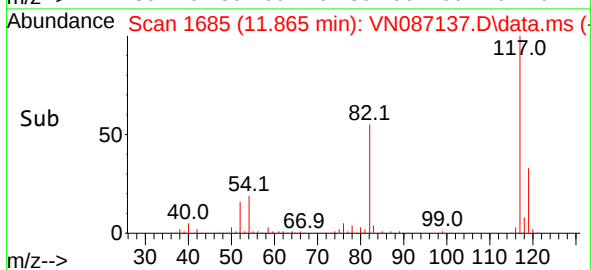
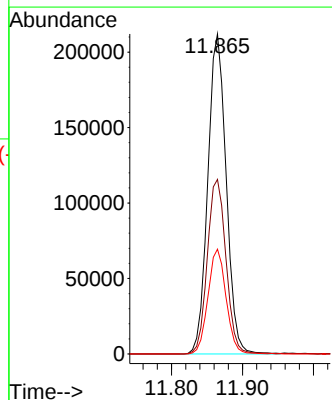
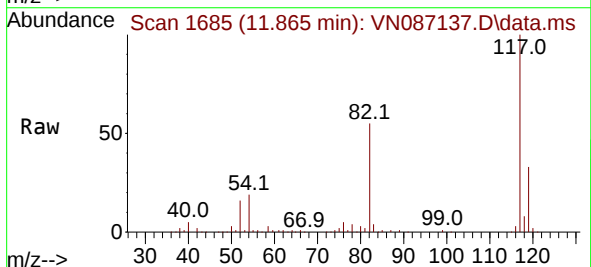
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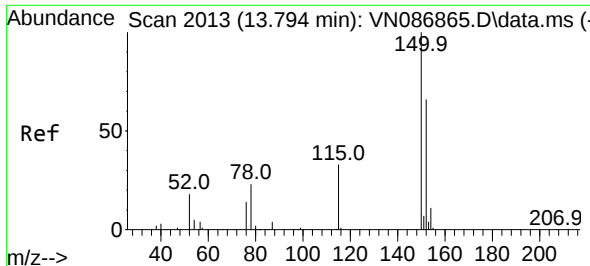
Tgt Ion: 95 Resp: 182384
Ion Ratio Lower Upper
95 100
174 73.7 0.0 141.8
176 69.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087137.D
Acq: 20 Jun 2025 14:27

Tgt Ion: 117 Resp: 381540
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.7 25.5 38.3

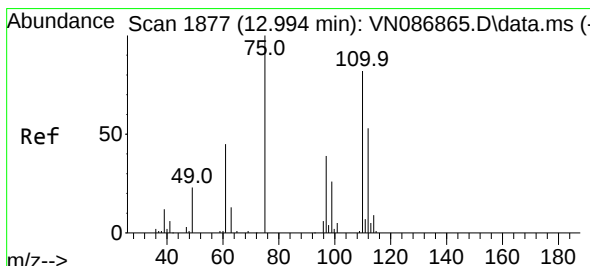
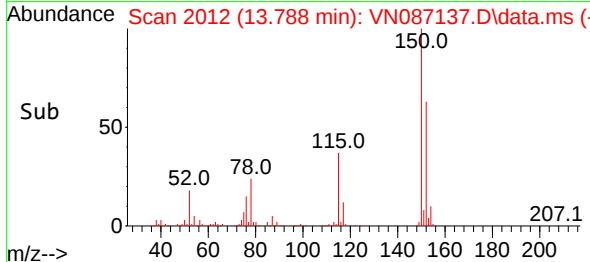
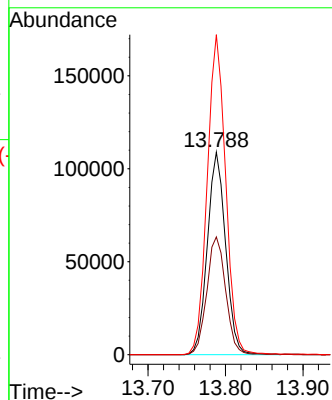
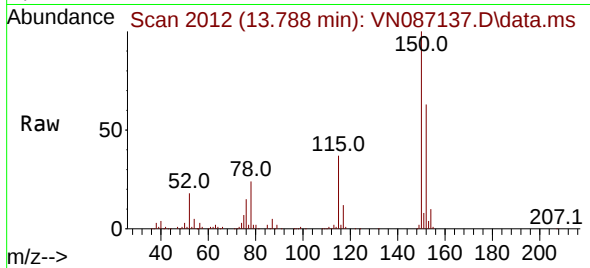




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087137.D
 Acq: 20 Jun 2025 14:27

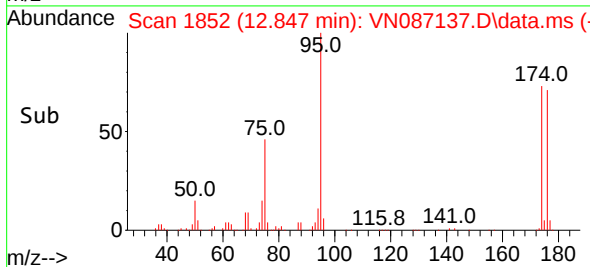
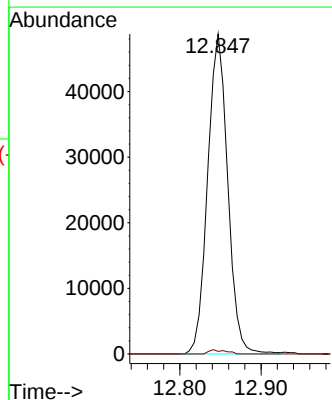
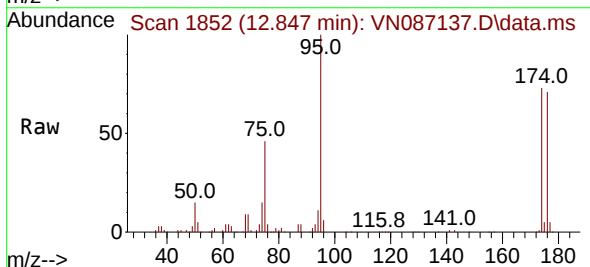
Instrument :
 MSVOA_N
 ClientSampleId :
 PW-B6-L66-061925

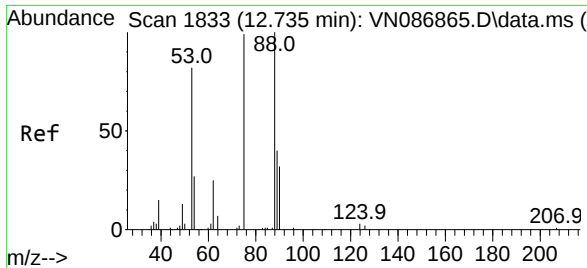
Tgt Ion:152 Resp: 178554
 Ion Ratio Lower Upper
 152 100
 115 60.1 30.1 90.5
 150 159.3 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.722 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087137.D
 Acq: 20 Jun 2025 14:27

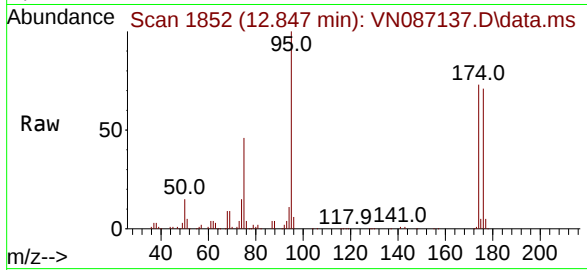
Tgt Ion: 75 Resp: 83704
 Ion Ratio Lower Upper
 75 100
 77 1.1 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.398 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087137.D
 Acq: 20 Jun 2025 14:27

Instrument :
 MSVOA_N
 ClientSampleId :
 PW-B6-L66-061925



Tgt Ion: 75 Resp: 83704
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

