

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087151.D
 Acq On : 24 Jun 2025 13:06
 Operator : JC\MD
 Sample : VN0624MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0624MBL01

Quant Time: Jun 25 04:14:51 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)

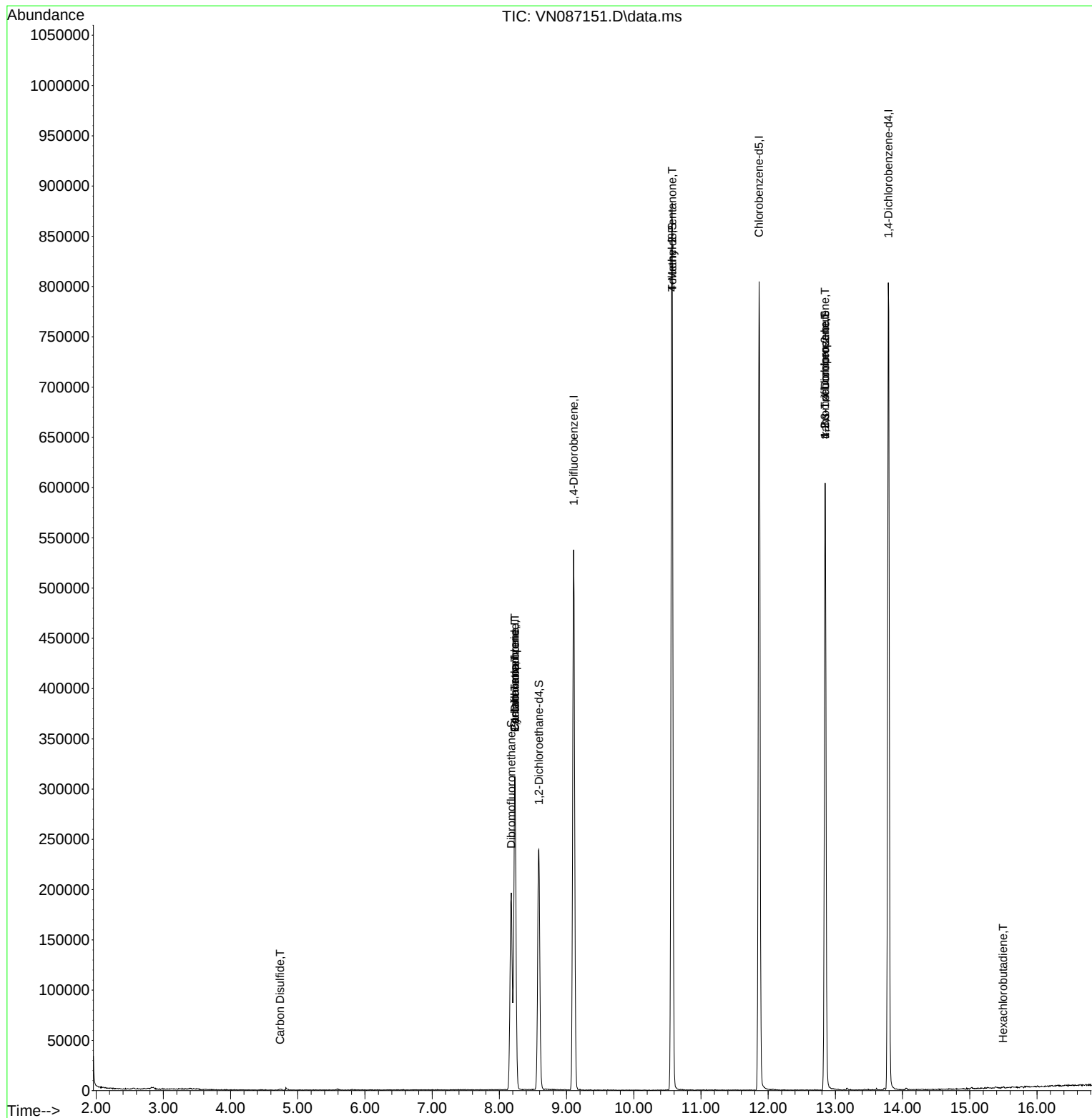
Internal Standards						
1) Pentafluorobenzene	8.230	168	238141	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	484035	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	494035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	227540	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	197403	61.912	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 123.820%		
35) Dibromofluoromethane	8.177	113	149954	52.276	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 104.560%		
50) Toluene-d8	10.571	98	639673	56.331	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 112.660%		
62) 4-Bromofluorobenzene	12.847	95	236473	56.050	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 112.100%		
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.736	76	1616	0.220	ug/l #	75
31) Cyclohexane	8.230	56	4730	0.915	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	19238	4.501	ug/l #	49
38) Carbon Tetrachloride	8.230	117	23993	5.717	ug/l #	18
51) 4-Methyl-2-Pentanone	10.571	43	2349	0.447	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	115656	21.383	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	115656	49.223	ug/l #	16
94) Hexachlorobutadiene	15.494	225	433	0.253	ug/l #	51

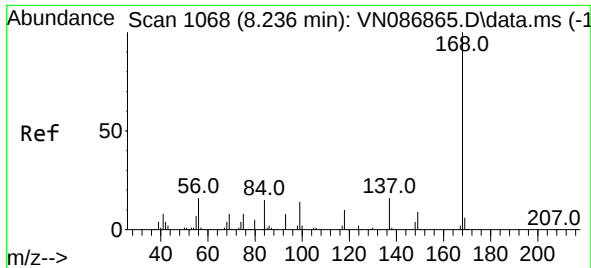
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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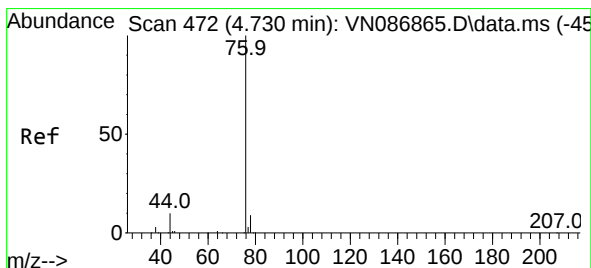
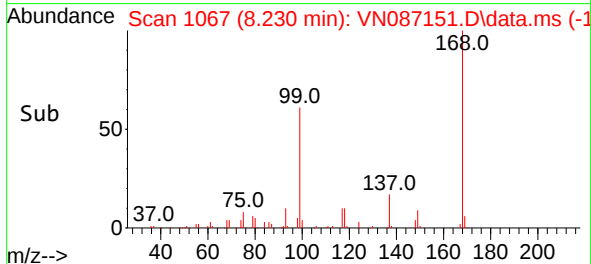
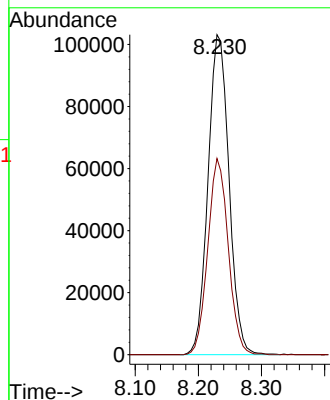
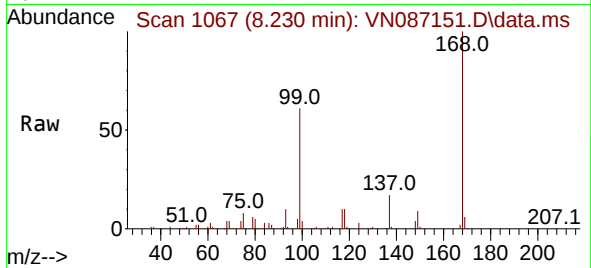




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

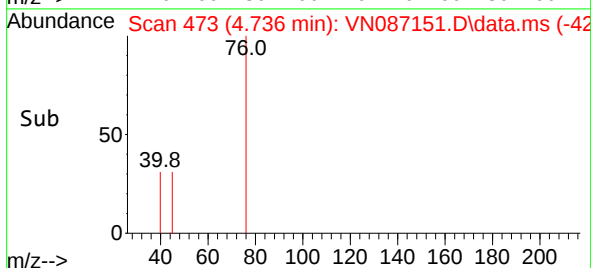
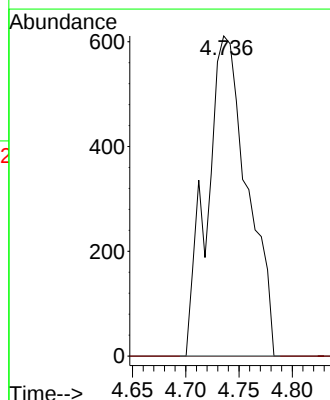
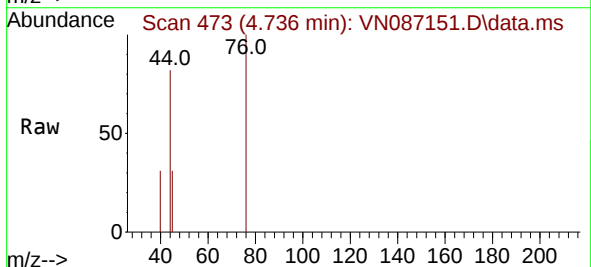
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

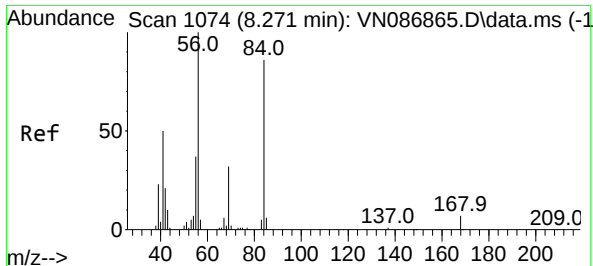
Tgt Ion:168 Resp: 238141
Ion Ratio Lower Upper
168 100
99 61.3 49.1 73.7



#17
Carbon Disulfide
Concen: 0.220 ug/l
RT: 4.736 min Scan# 473
Delta R.T. 0.006 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion: 76 Resp: 1616
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

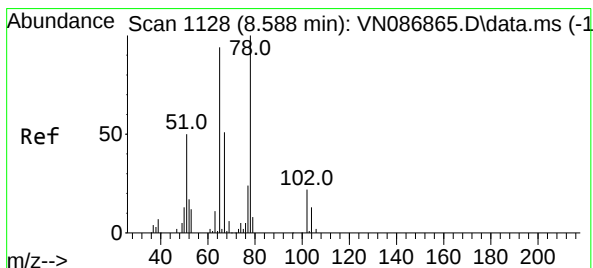
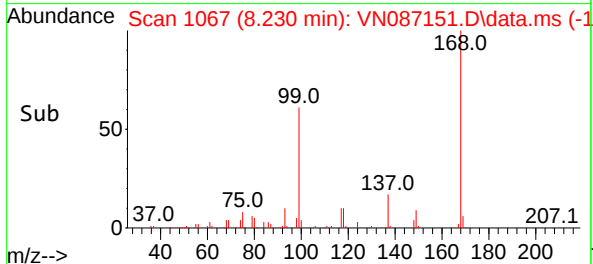
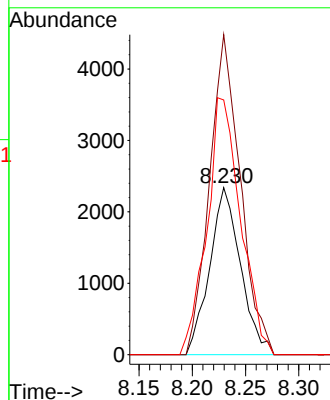
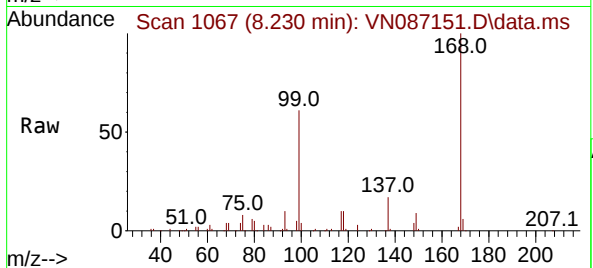




#31
Cyclohexane
Concen: 0.915 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

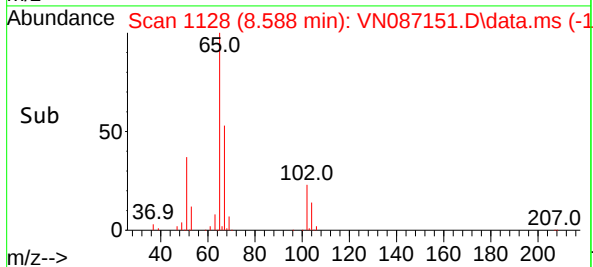
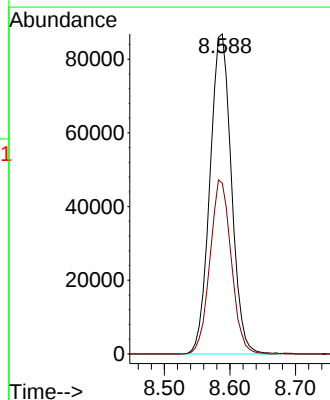
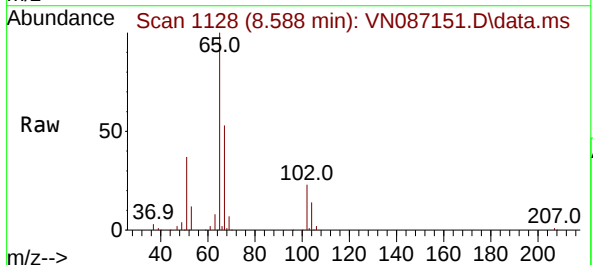
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

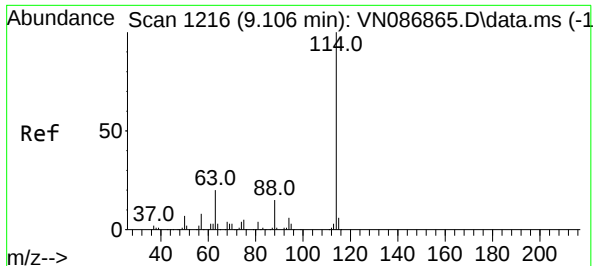
Tgt Ion: 56 Resp: 4730
Ion Ratio Lower Upper
56 100
69 191.5 25.4 38.0#
84 152.4 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 61.912 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion: 65 Resp: 197403
Ion Ratio Lower Upper
65 100
67 53.8 0.0 105.6

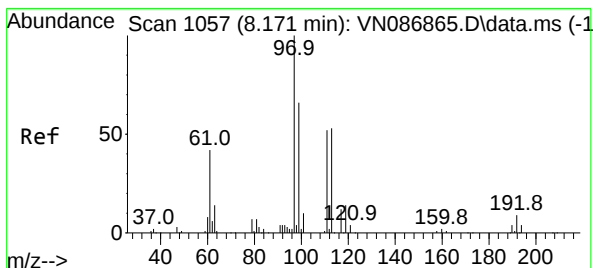
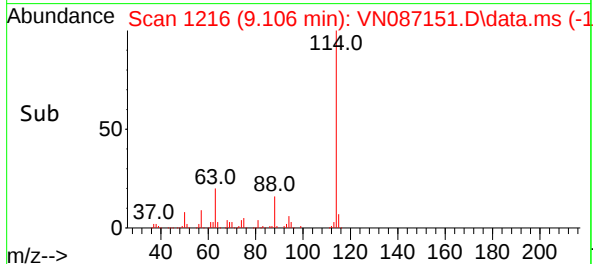
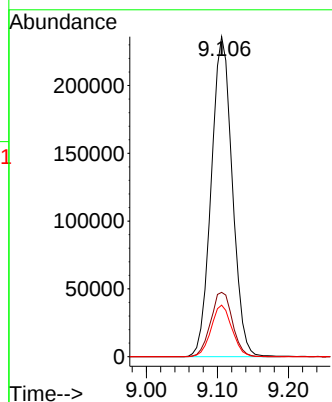
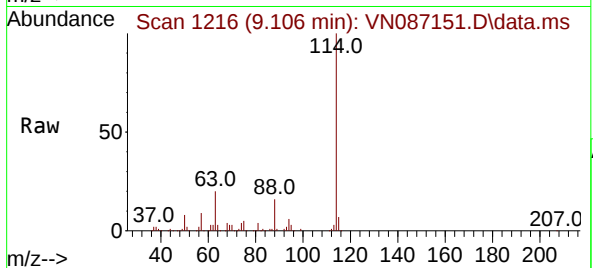




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

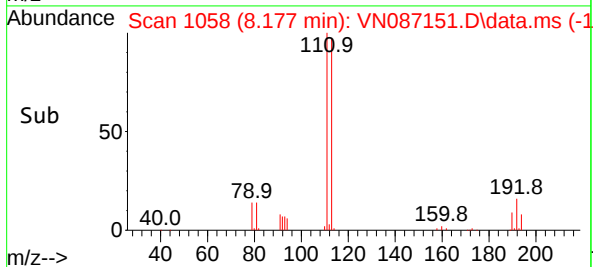
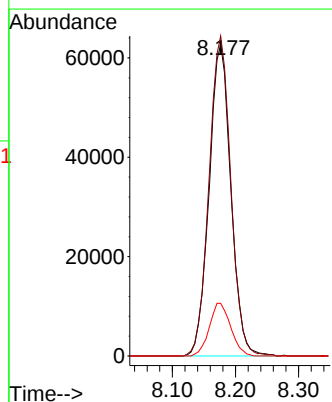
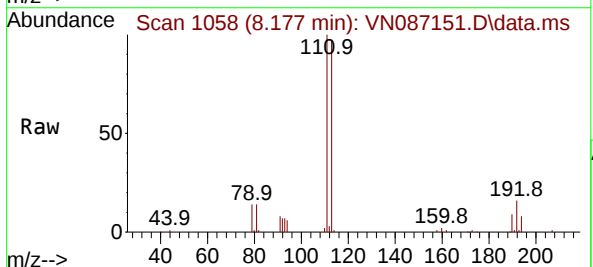
Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

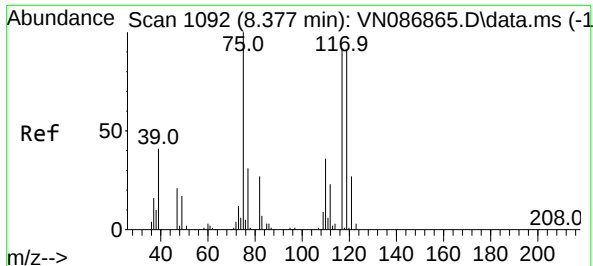
Tgt Ion:114 Resp: 484035
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 16.1 0.0 30.2



#35
Dibromofluoromethane
Concen: 52.276 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion:113 Resp: 149954
Ion Ratio Lower Upper
113 100
111 102.9 84.2 126.2
192 16.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.501 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087151.D

Acq: 24 Jun 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

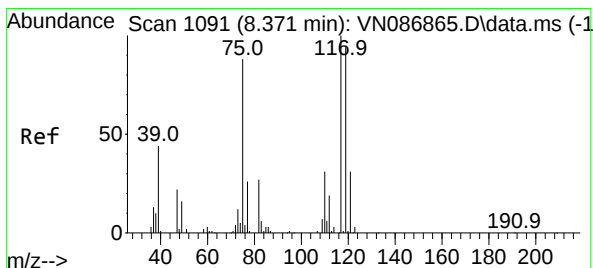
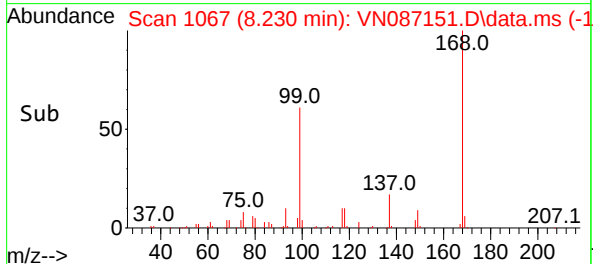
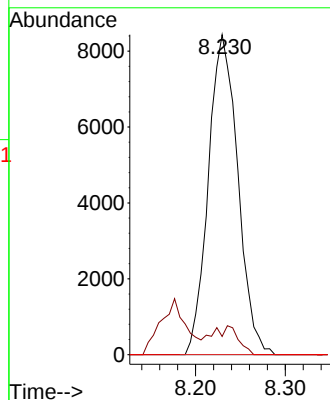
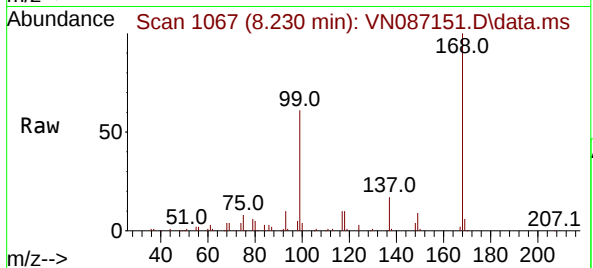
Tgt Ion: 75 Resp: 19238

Ion Ratio Lower Upper

75 100

110 8.2 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.717 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087151.D

Acq: 24 Jun 2025 13:06

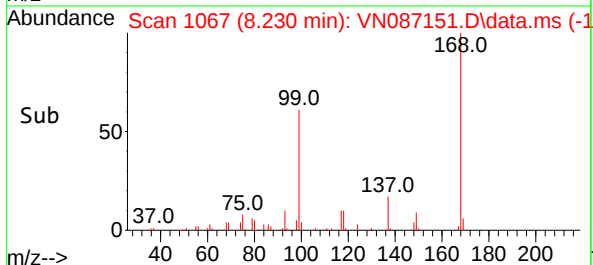
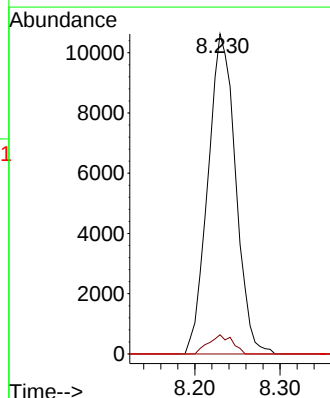
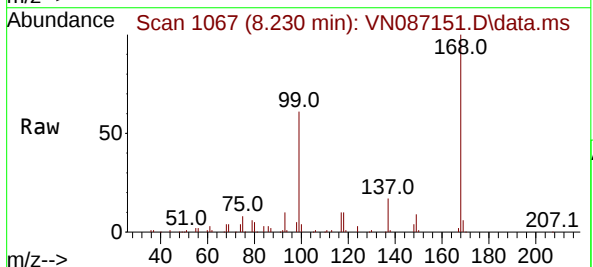
Tgt Ion: 117 Resp: 23993

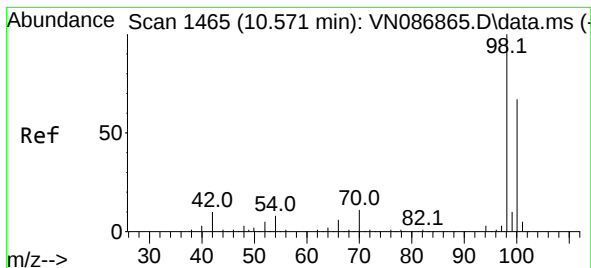
Ion Ratio Lower Upper

117 100

119 6.0 75.0 112.6#

121 0.0 24.9 37.3#

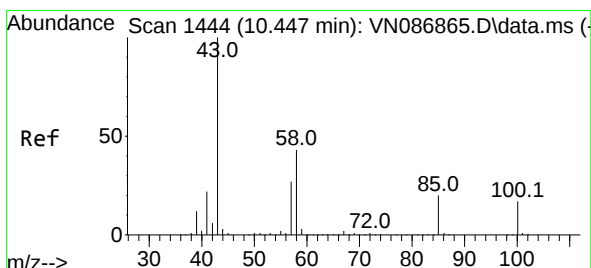
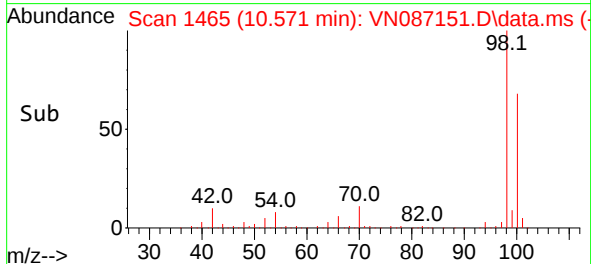
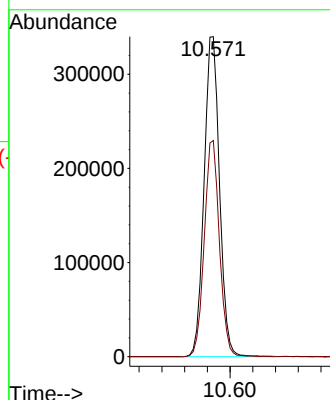
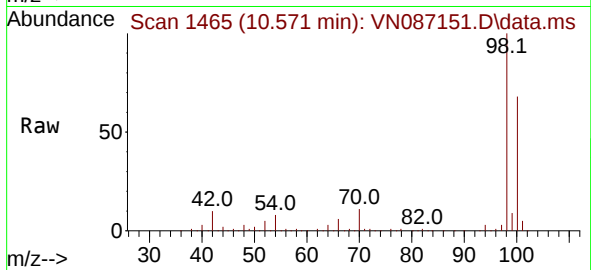




#50
Toluene-d8
Concen: 56.331 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

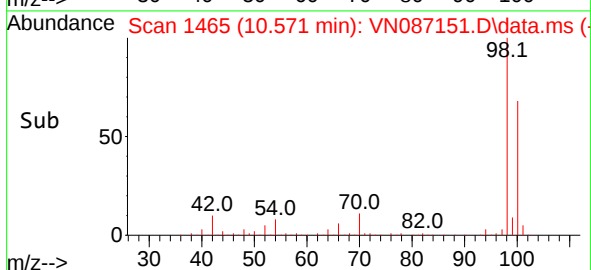
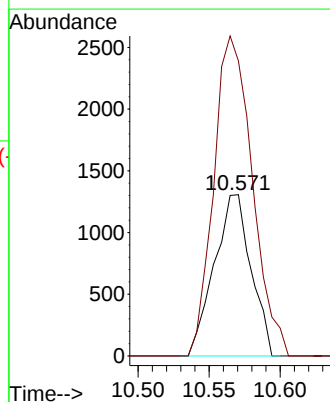
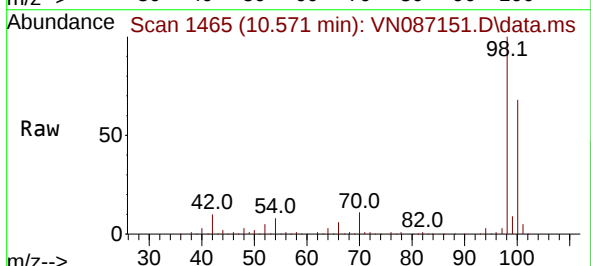
Instrument :
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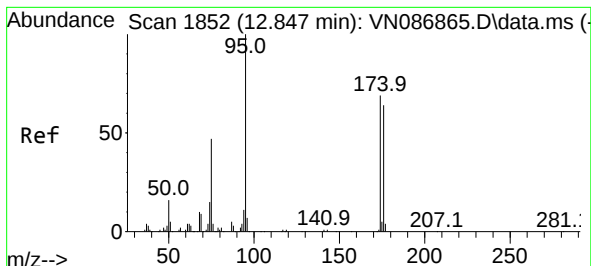
Tgt Ion: 98 Resp: 639673
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.447 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion: 43 Resp: 2349
Ion Ratio Lower Upper
43 100
58 208.4 34.2 51.4#

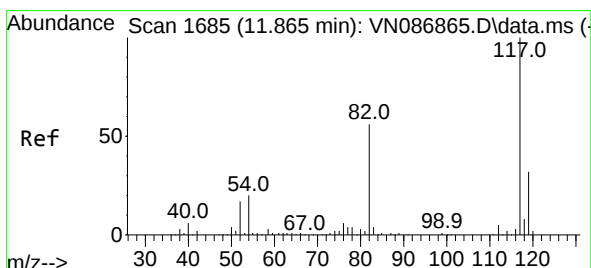
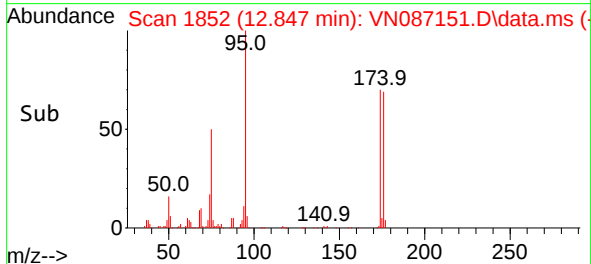
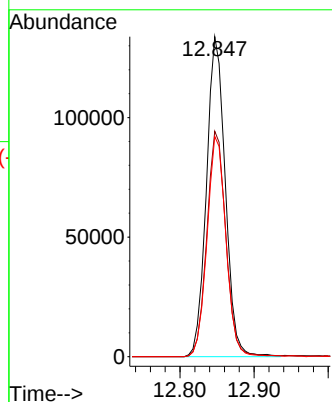
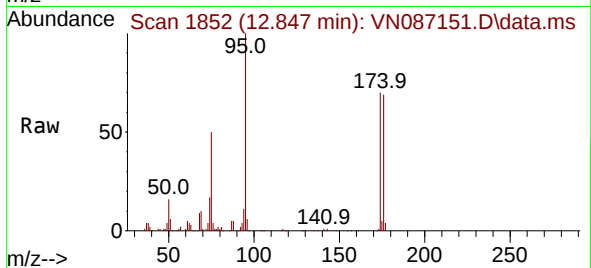




#62
4-Bromofluorobenzene
Concen: 56.050 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

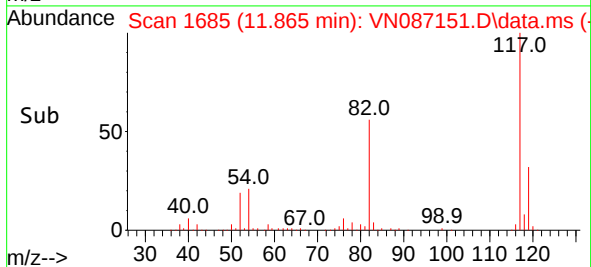
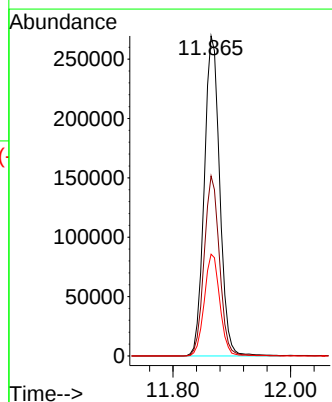
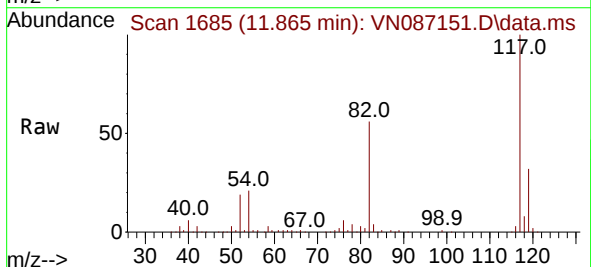
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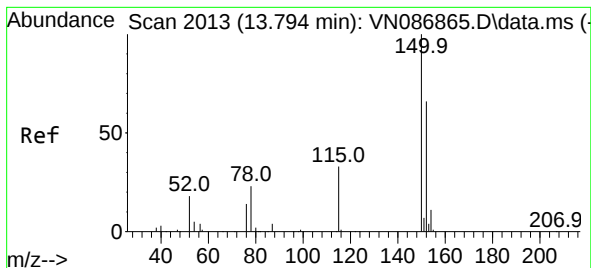
Tgt Ion: 95 Resp: 236473
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 69.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion: 117 Resp: 494035
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 31.8 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: VN087151.D

Acq: 24 Jun 2025 13:06

Instrument :

MSVOA_N

ClientSampleId :

VN0624MBL01

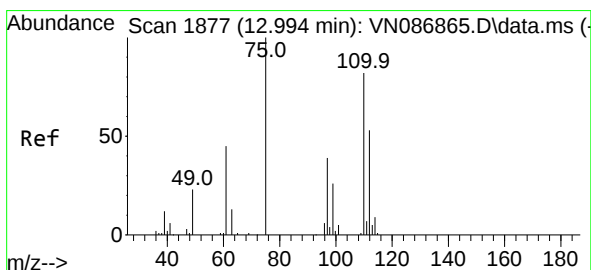
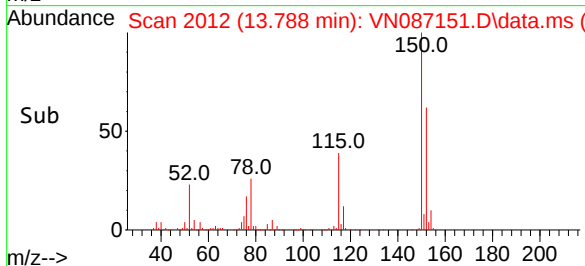
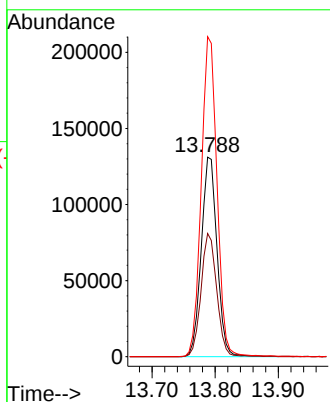
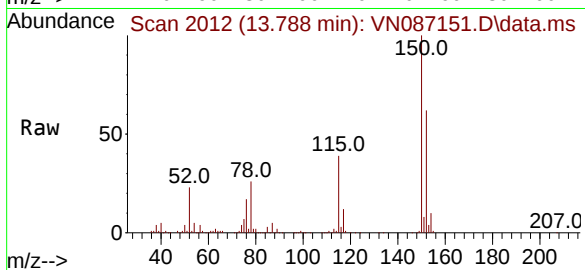
Tgt Ion:152 Resp: 227540

Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.5

150 159.3 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 21.383 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087151.D

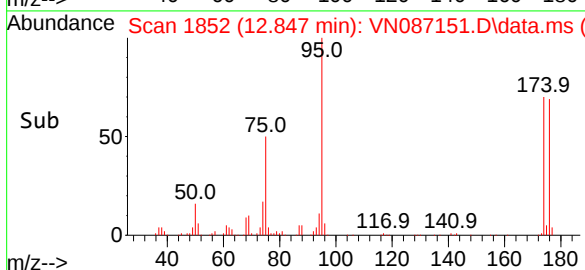
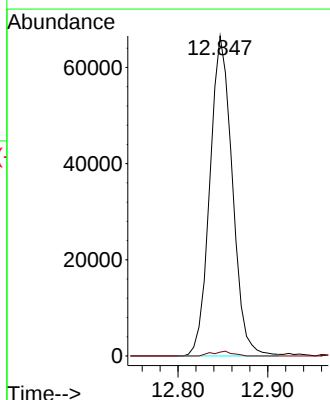
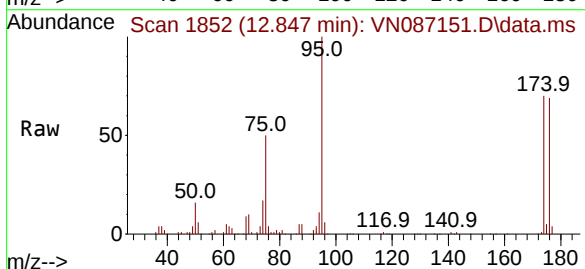
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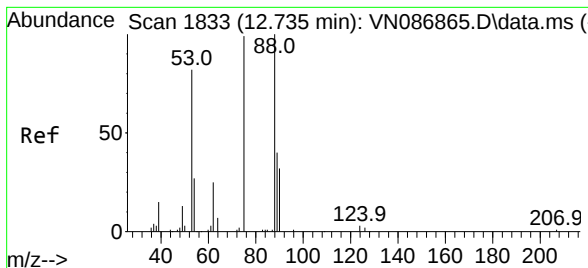
Tgt Ion: 75 Resp: 115656

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#

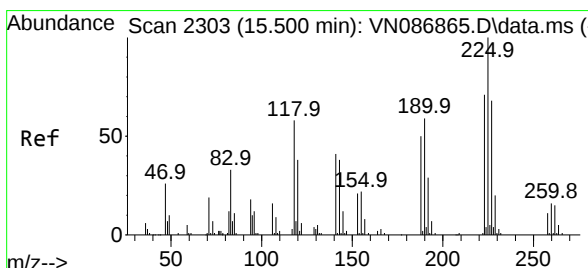
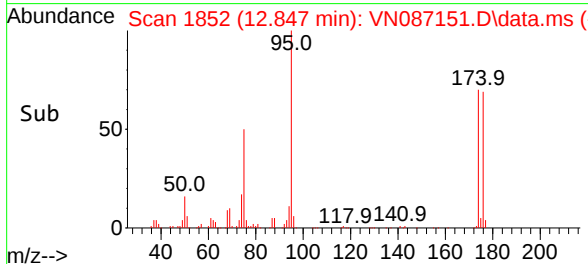
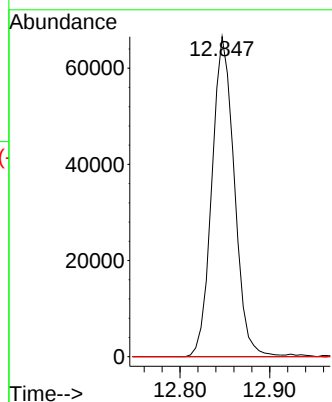
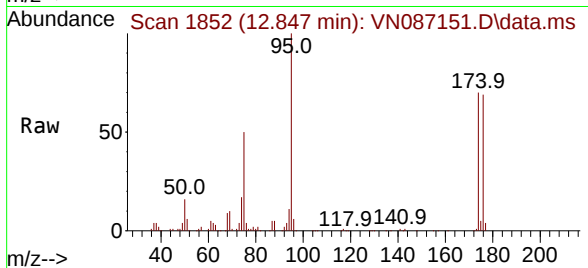




#81
trans-1,4-Dichloro-2-butene
Concen: 49.223 ug/l
RT: 12.847 min Scan# 115656
Delta R.T. 0.112 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Instrument :
MSVOA_N
ClientSampleId :
VN0624MBL01

Tgt Ion: 75 Resp: 115656
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.253 ug/l
RT: 15.494 min Scan# 2302
Delta R.T. -0.006 min
Lab File: VN087151.D
Acq: 24 Jun 2025 13:06

Tgt Ion: 225 Resp: 433
Ion Ratio Lower Upper
225 100
223 37.9 33.5 100.4
227 13.6 31.1 93.5#

