

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061125\
 Data File : VN086946.D
 Acq On : 11 Jun 2025 14:22
 Operator : JC\MD
 Sample : Q2251-06RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB182-HYD-20250605

Quant Time: Jun 12 01:33:06 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)

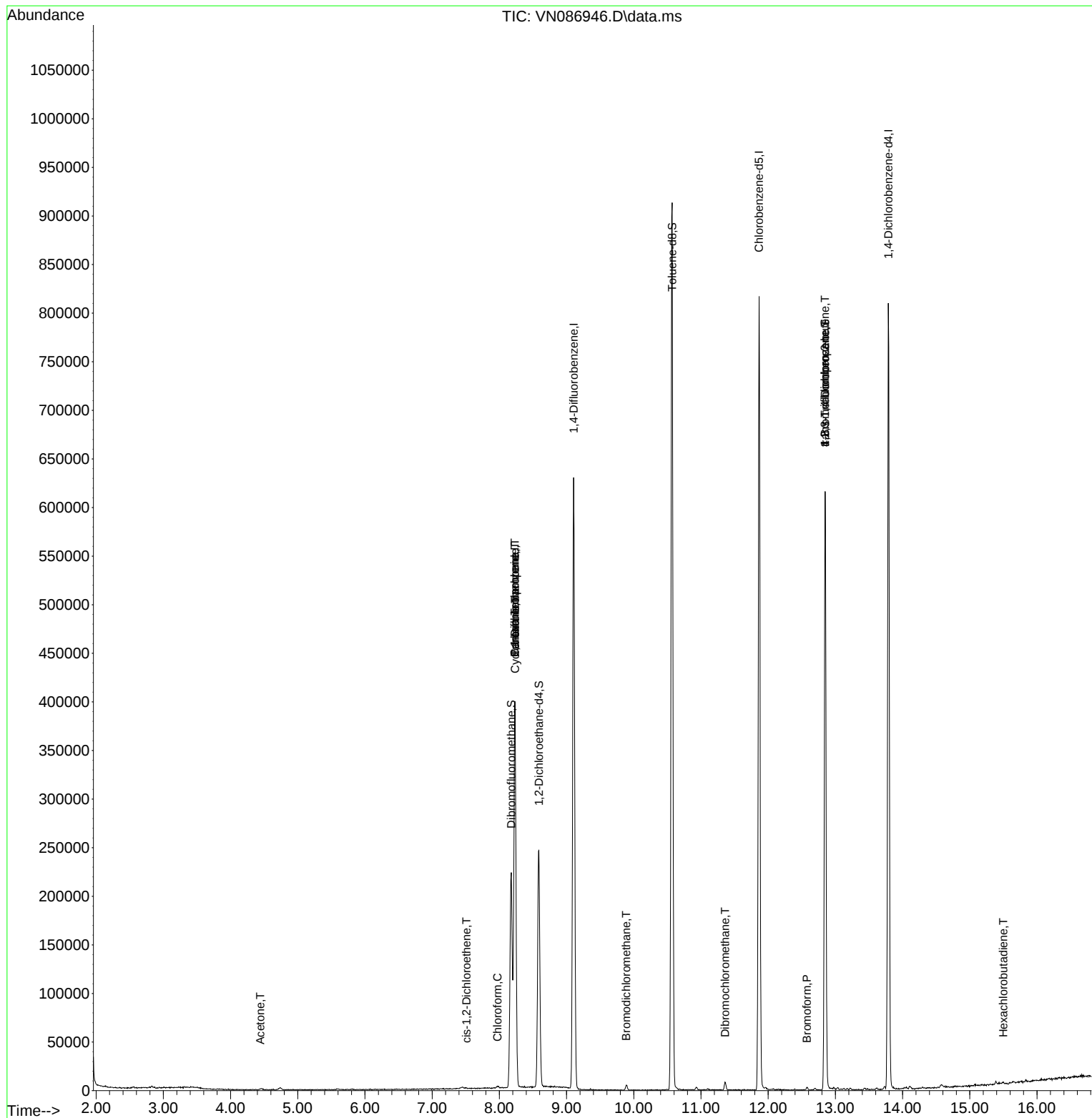
Internal Standards						
1) Pentafluorobenzene	8.230	168	313297	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	589692	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	504294	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	239780	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	200852	47.882	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	95.760%		
35) Dibromofluoromethane	8.177	113	172903	49.476	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.960%		
50) Toluene-d8	10.571	98	683622	49.415	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	98.820%		
62) 4-Bromofluorobenzene	12.847	95	248144	48.278	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	96.560%		
Target Compounds						Qvalue
16) Acetone	4.442	43	874	0.393	ug/l #	84
27) cis-1,2-Dichloroethene	7.512	96	999	0.215	ug/l #	1
30) Chloroform	7.971	83	2134	0.305	ug/l	84
31) Cyclohexane	8.235	56	5707	0.839	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	23737	4.558	ug/l #	48
38) Carbon Tetrachloride	8.230	117	30053	5.878	ug/l #	16
47) Bromodichloromethane	9.888	83	4465	0.789	ug/l #	91
60) Dibromochloromethane	11.359	129	4962	1.189	ug/l	98
71) Bromoform	12.576	173	1617	0.610	ug/l #	95
76) 1,2,3-Trichloropropane	12.847	75	114772	20.137	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	114772	46.354	ug/l #	16
94) Hexachlorobutadiene	15.500	225	525	0.291	ug/l #	41

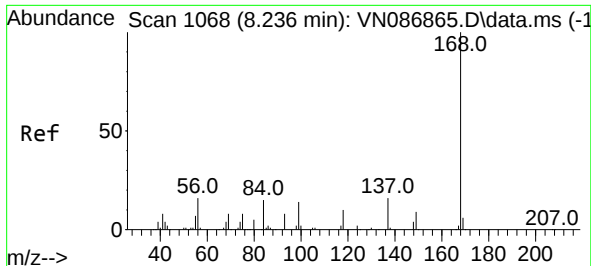
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

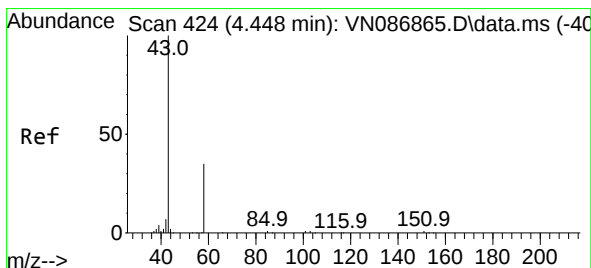
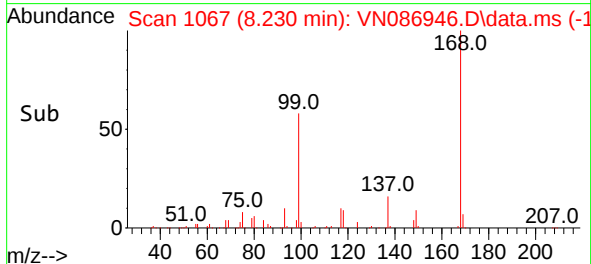
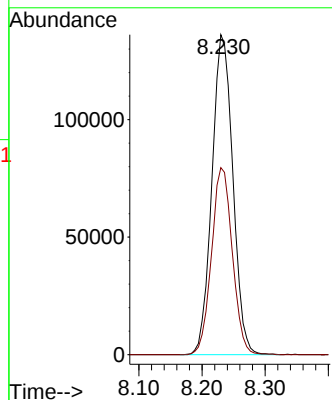
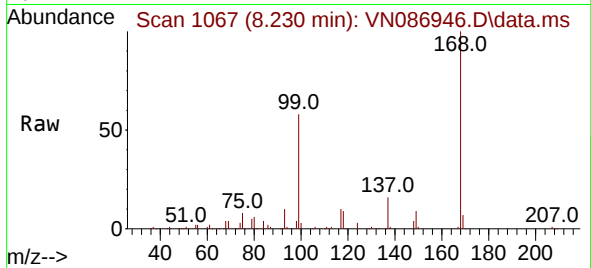




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1
Delta R.T. -0.006 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

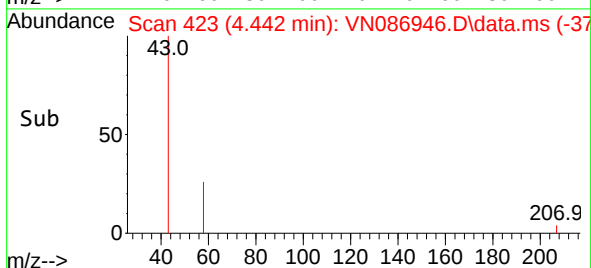
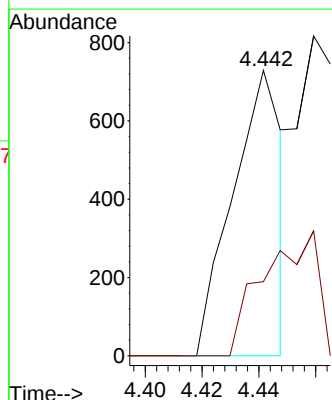
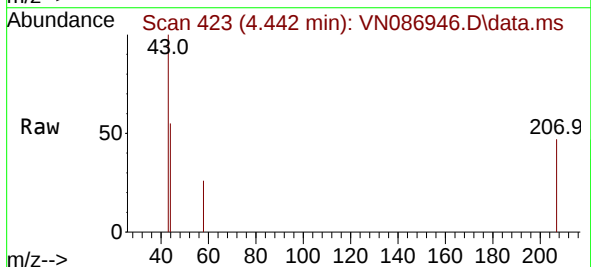
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250605

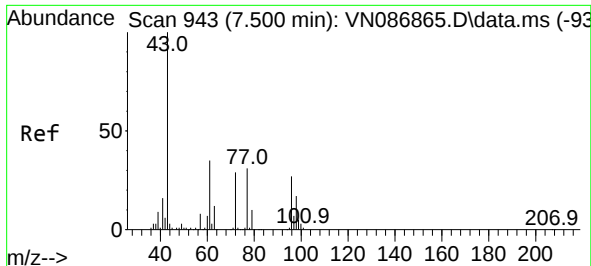
Tgt Ion:168 Resp: 313297
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#16
Acetone
Concen: 0.393 ug/l
RT: 4.442 min Scan# 423
Delta R.T. -0.006 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion: 43 Resp: 874
Ion Ratio Lower Upper
43 100
58 25.9 28.0 42.0#

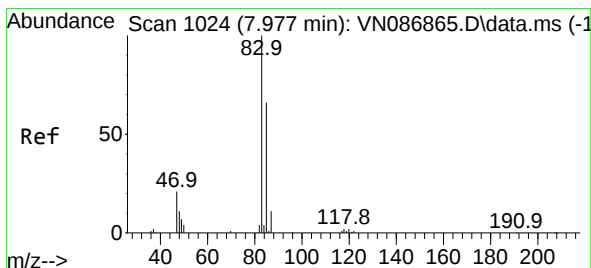
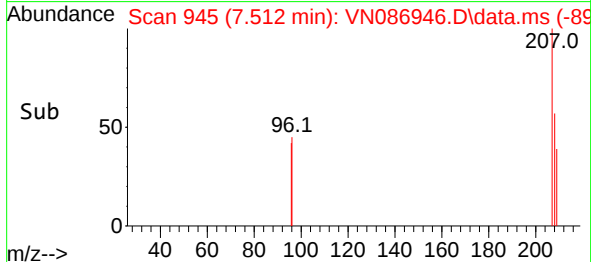
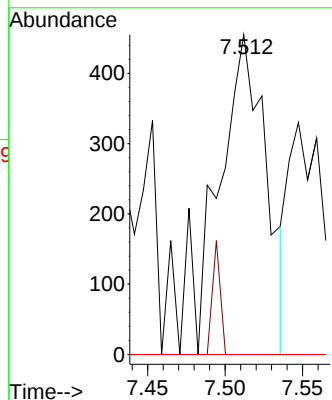
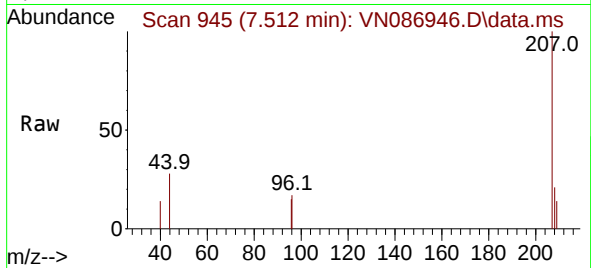




#27
 cis-1,2-Dichloroethene
 Concen: 0.215 ug/l
 RT: 7.512 min Scan# 94
 Delta R.T. 0.012 min
 Lab File: VN086946.D
 Acq: 11 Jun 2025 14:22

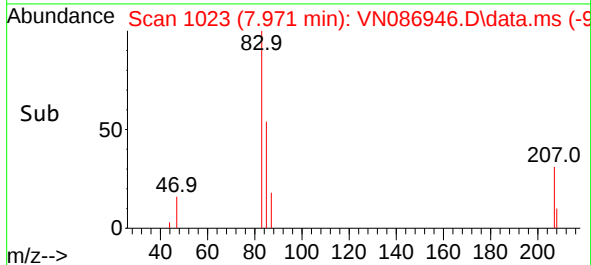
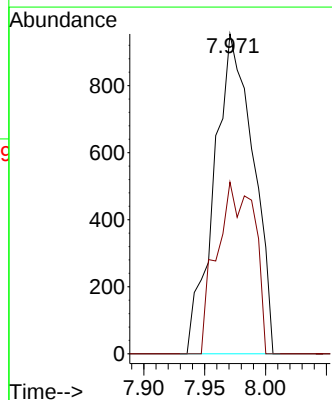
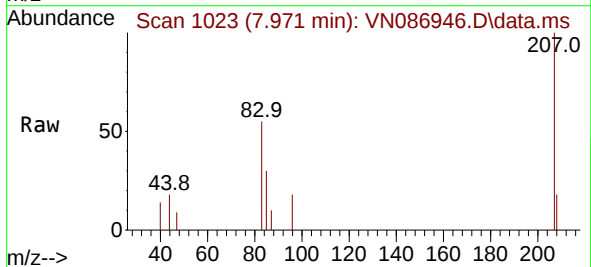
Instrument :
 MSVOA_N
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 VPB182-HYD-20250605

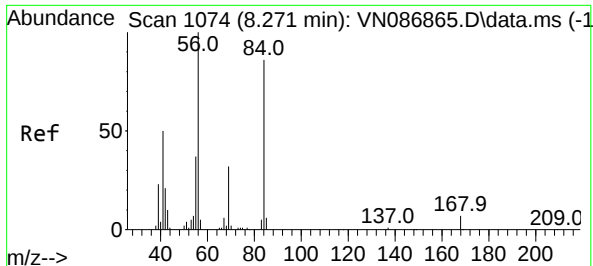
Tgt Ion: 96 Resp: 999
 Ion Ratio Lower Upper
 96 100
 61 5.7 0.0 278.0
 98 0.0 0.0 128.2



#30
 Chloroform
 Concen: 0.305 ug/l
 RT: 7.971 min Scan# 1023
 Delta R.T. -0.006 min
 Lab File: VN086946.D
 Acq: 11 Jun 2025 14:22

Tgt Ion: 83 Resp: 2134
 Ion Ratio Lower Upper
 83 100
 85 53.7 52.9 79.3

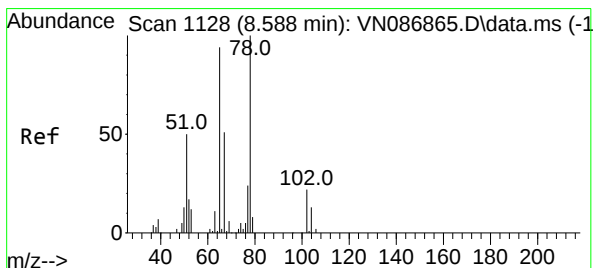
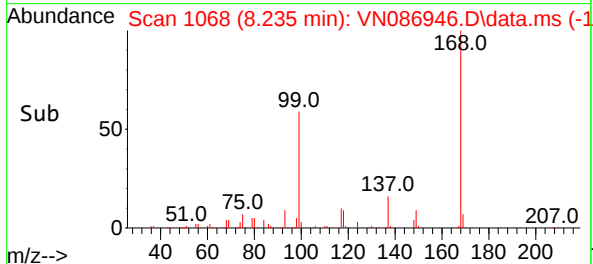
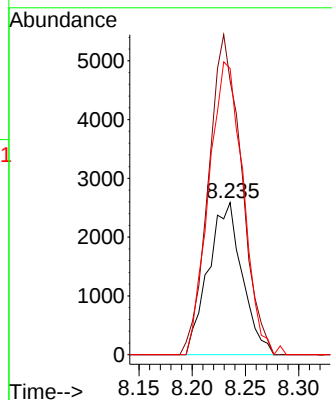
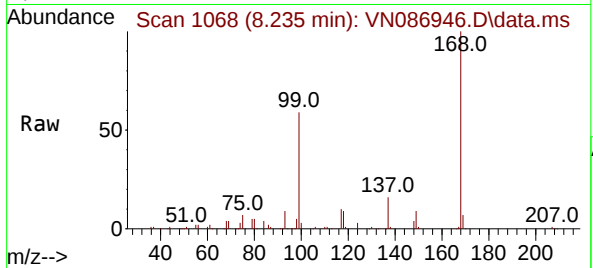




#31
Cyclohexane
Concen: 0.839 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

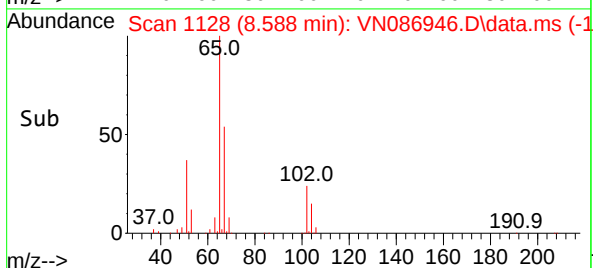
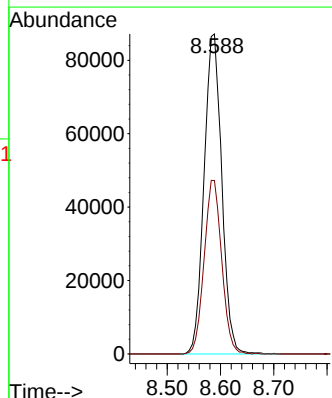
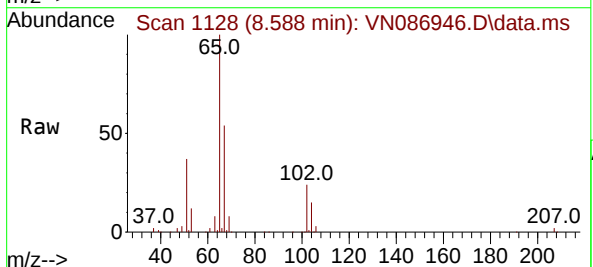
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250605

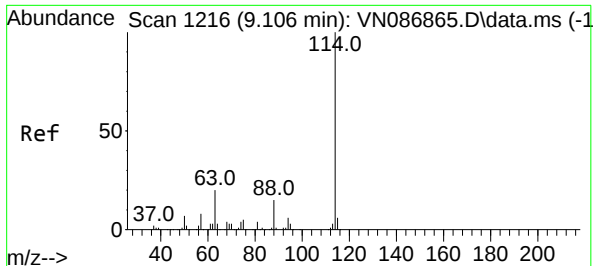
Tgt Ion: 56 Resp: 5707
Ion Ratio Lower Upper
56 100
69 179.8 25.4 38.0#
84 188.1 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 47.882 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion: 65 Resp: 200852
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# 1

Delta R.T. -0.000 min

Lab File: VN086946.D

Acq: 11 Jun 2025 14:22

Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250605

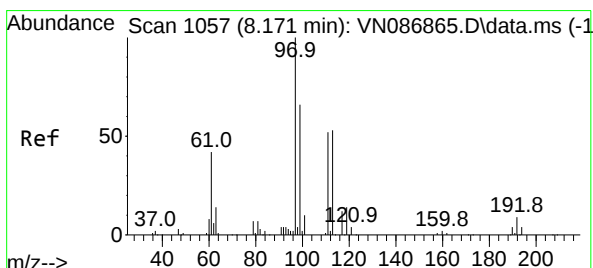
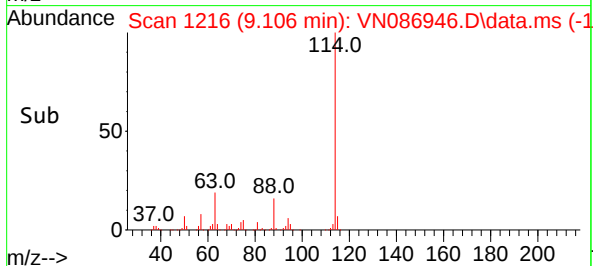
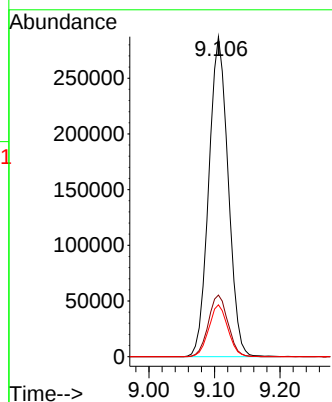
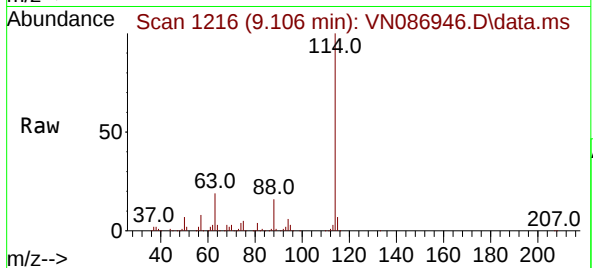
Tgt Ion:114 Resp: 589692

Ion Ratio Lower Upper

114 100

63 19.3 0.0 39.6

88 16.2 0.0 30.2



#35

Dibromofluoromethane

Concen: 49.476 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086946.D

Acq: 11 Jun 2025 14:22

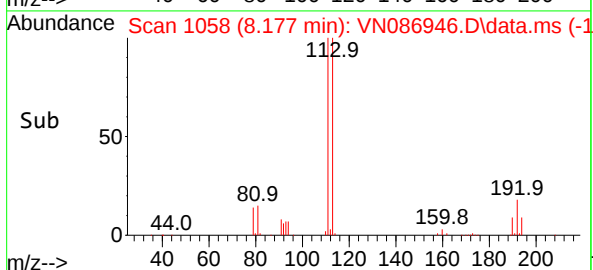
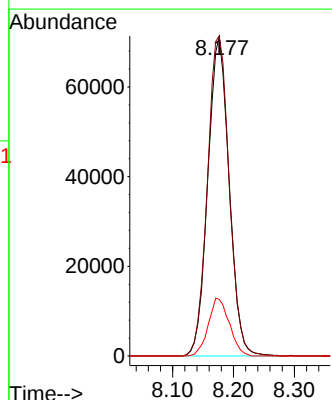
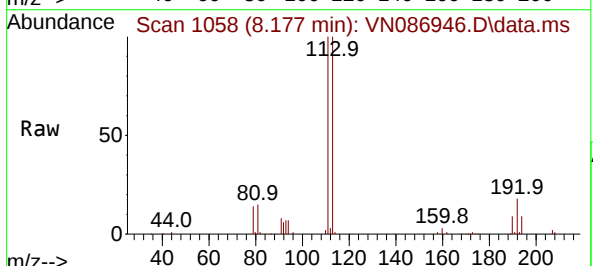
Tgt Ion:113 Resp: 172903

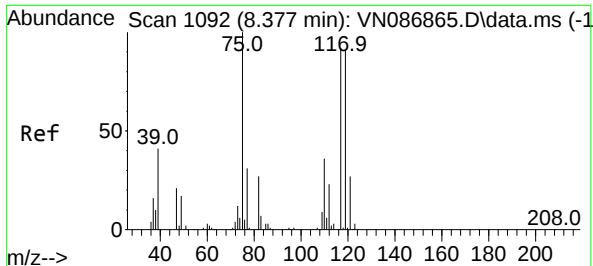
Ion Ratio Lower Upper

113 100

111 102.4 84.2 126.2

192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.558 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086946.D

Acq: 11 Jun 2025 14:22

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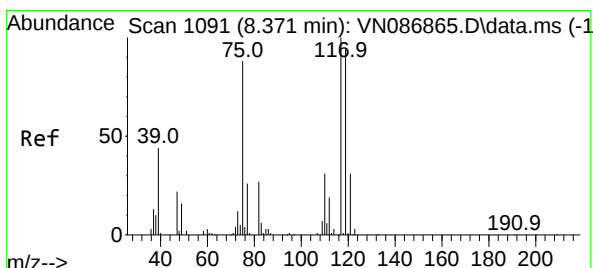
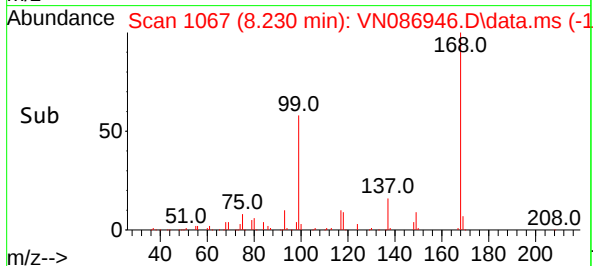
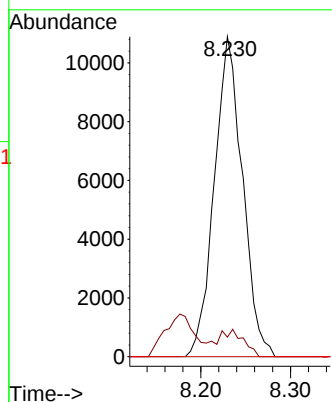
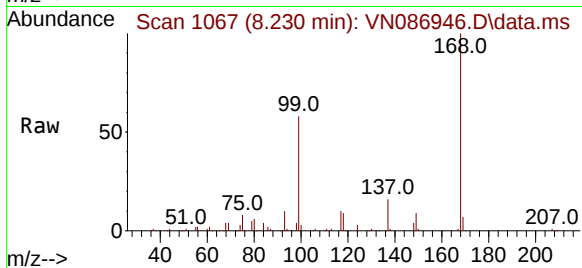
Tgt Ion: 75 Resp: 23737

Ion Ratio Lower Upper

75 100

110 7.9 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.878 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086946.D

Acq: 11 Jun 2025 14:22

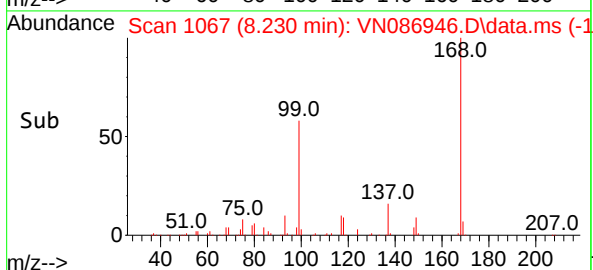
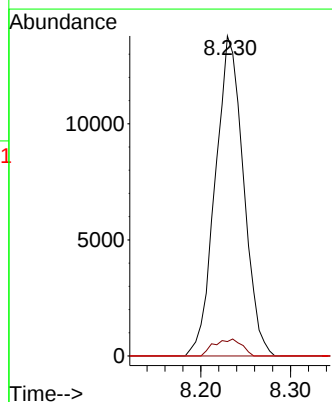
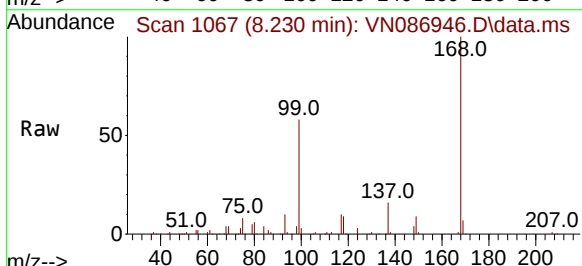
Tgt Ion: 117 Resp: 30053

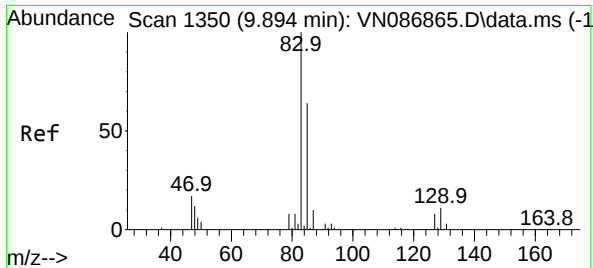
Ion Ratio Lower Upper

117 100

119 4.5 75.0 112.6#

121 0.0 24.9 37.3#

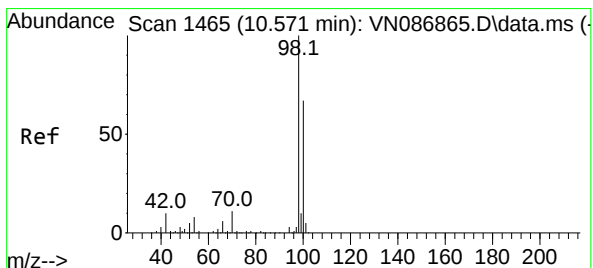
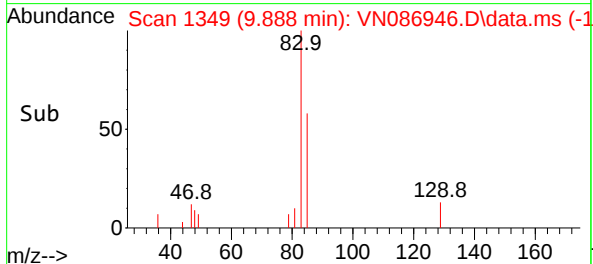
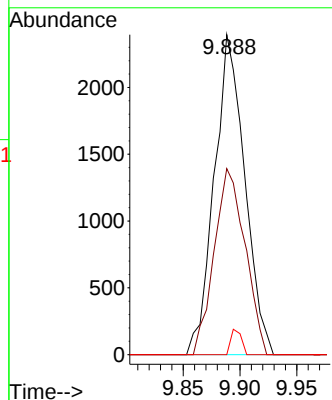
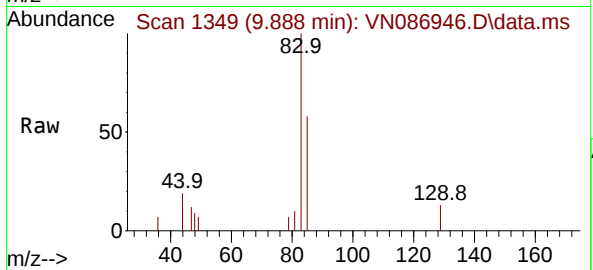




#47
Bromodichloromethane
Concen: 0.789 ug/l
RT: 9.888 min Scan# 1349
Delta R.T. -0.006 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

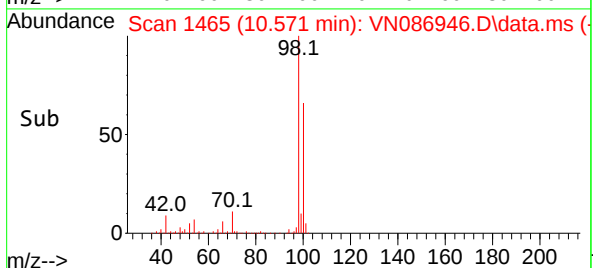
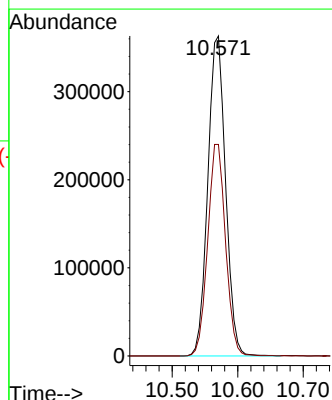
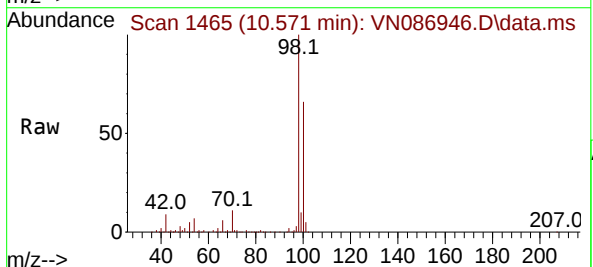
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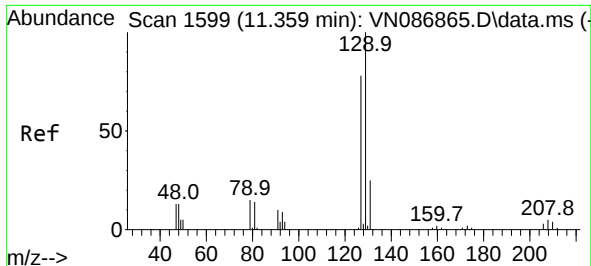
Tgt Ion: 83 Resp: 4465
Ion Ratio Lower Upper
83 100
85 58.2 50.9 76.3
127 0.0 6.6 10.0#



#50
Toluene-d8
Concen: 49.415 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion: 98 Resp: 683622
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

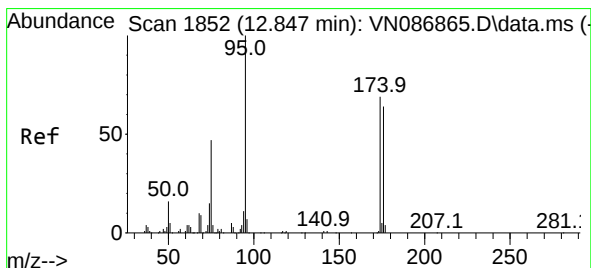
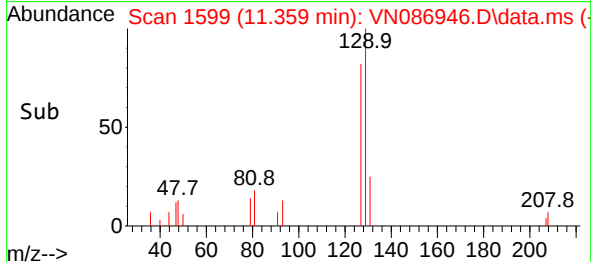
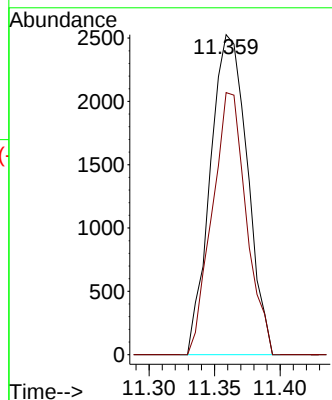
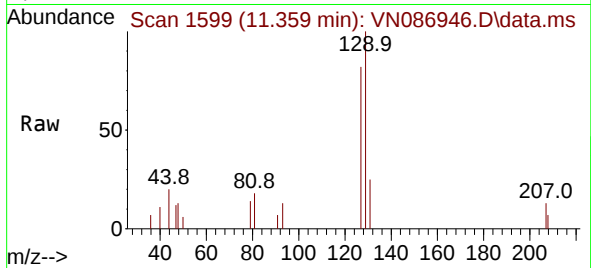




#60
Dibromochloromethane
Concen: 1.189 ug/l
RT: 11.359 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

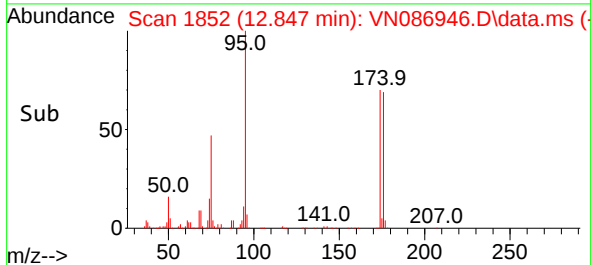
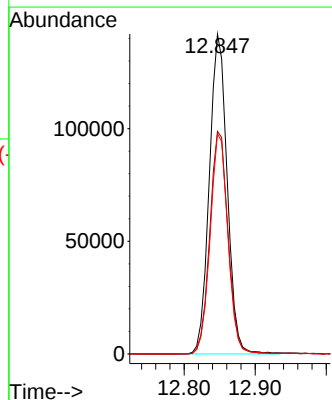
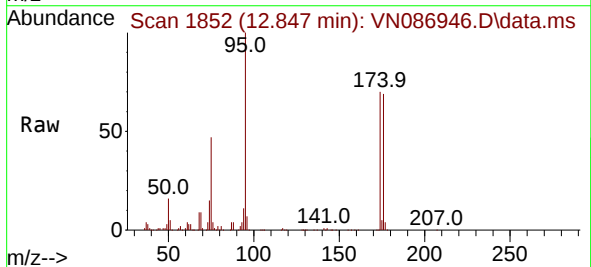
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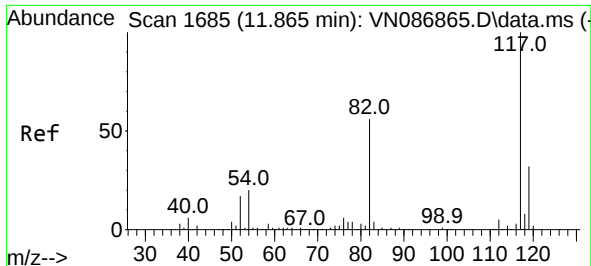
Tgt Ion:129 Resp: 4962
Ion Ratio Lower Upper
129 100
127 75.4 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 48.278 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion: 95 Resp: 248144
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.8
176 68.2 0.0 132.6

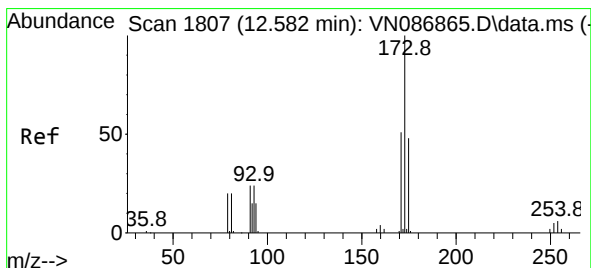
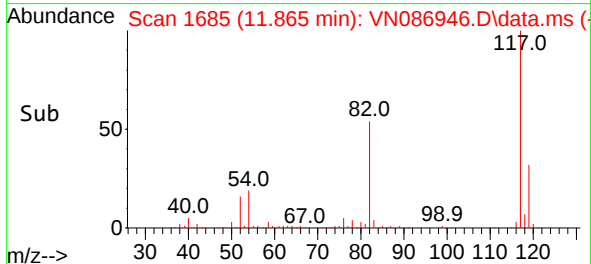
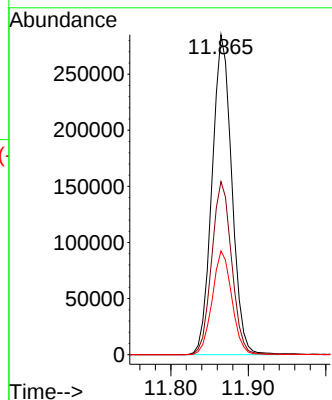
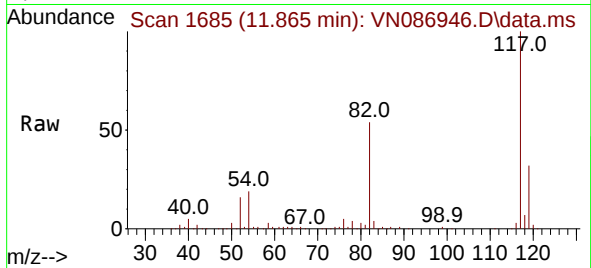




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

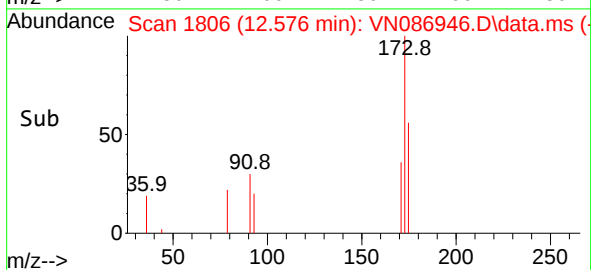
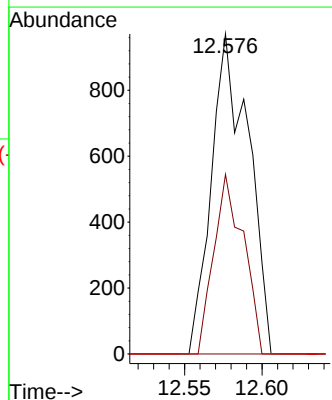
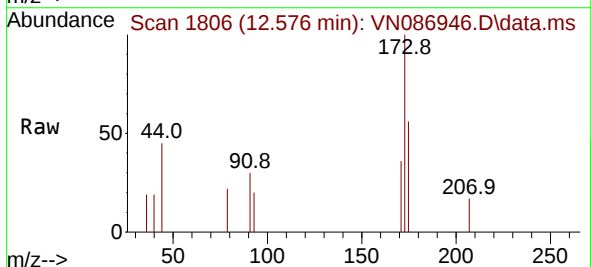
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250605

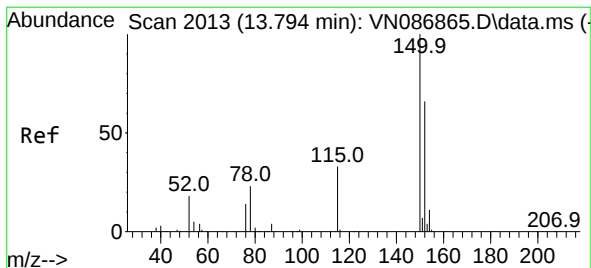
Tgt Ion:117 Resp: 504294
Ion Ratio Lower Upper
117 100
82 54.1 44.6 67.0
119 32.4 25.5 38.3



#71
Bromoform
Concen: 0.610 ug/l
RT: 12.576 min Scan# 1806
Delta R.T. -0.006 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion:173 Resp: 1617
Ion Ratio Lower Upper
173 100
175 44.7 24.1 72.4
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 20

Delta R.T. -0.006 min

Lab File: VN086946.D

Acq: 11 Jun 2025 14:22

Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250605

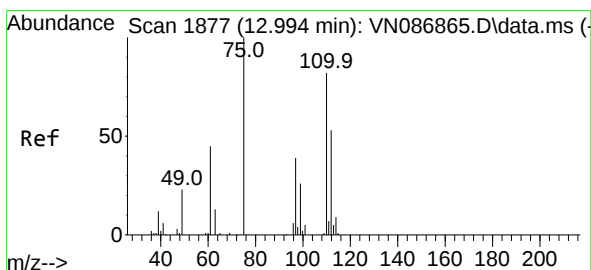
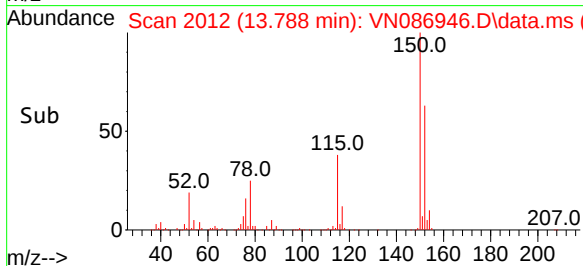
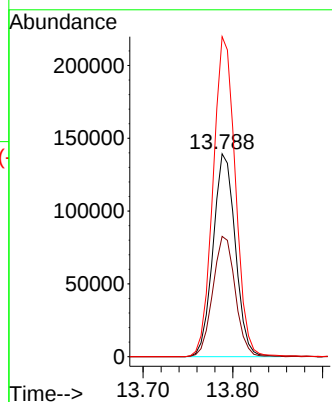
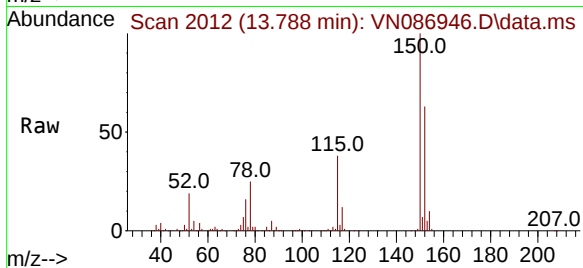
Tgt Ion:152 Resp: 239780

Ion Ratio Lower Upper

152 100

115 60.0 30.1 90.5

150 158.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.137 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086946.D

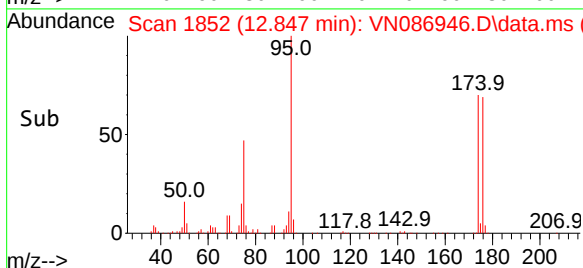
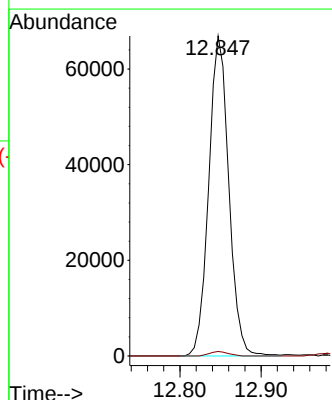
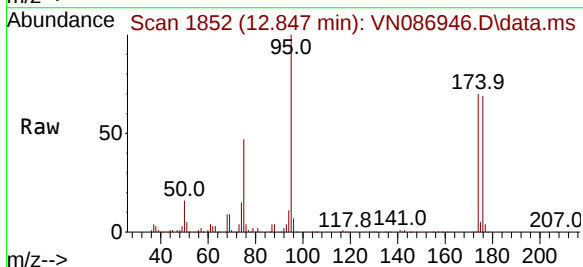
Acq: 11 Jun 2025 14:22

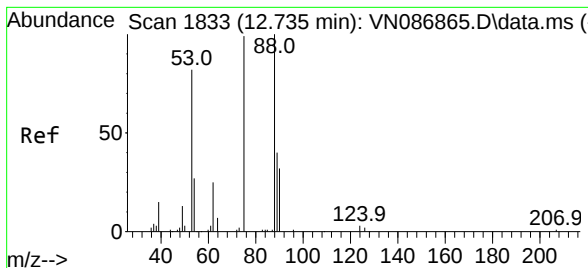
Tgt Ion: 75 Resp: 114772

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#

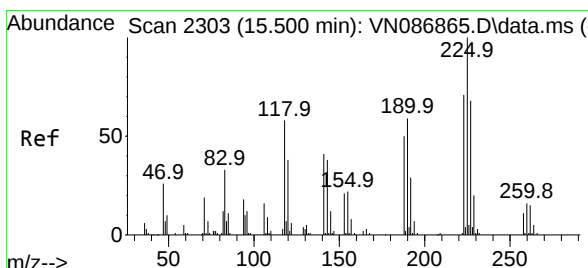
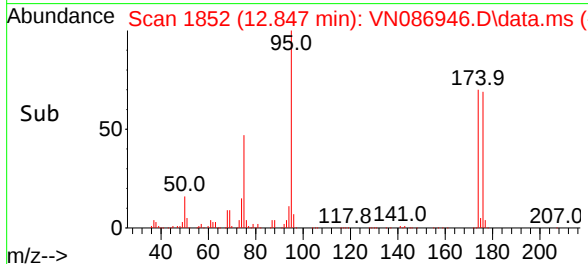
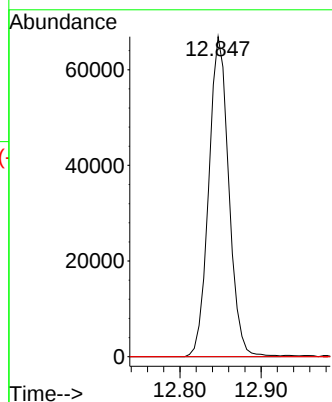
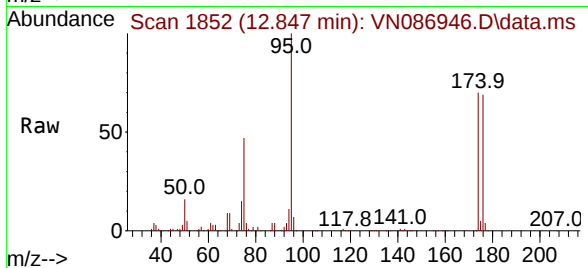




#81
trans-1,4-Dichloro-2-butene
Concen: 46.354 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250605

Tgt Ion: 75 Resp: 114772
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#94
Hexachlorobutadiene
Concen: 0.291 ug/l
RT: 15.500 min Scan# 2303
Delta R.T. -0.000 min
Lab File: VN086946.D
Acq: 11 Jun 2025 14:22

Tgt Ion: 225 Resp: 525
Ion Ratio Lower Upper
225 100
223 25.1 33.5 100.4#
227 11.0 31.1 93.5#

