

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087002.D
 Acq On : 13 Jun 2025 15:28
 Operator : JC\MD
 Sample : Q2314-06
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VPB182-HYD-20250612

Quant Time: Jun 14 00:29:51 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)

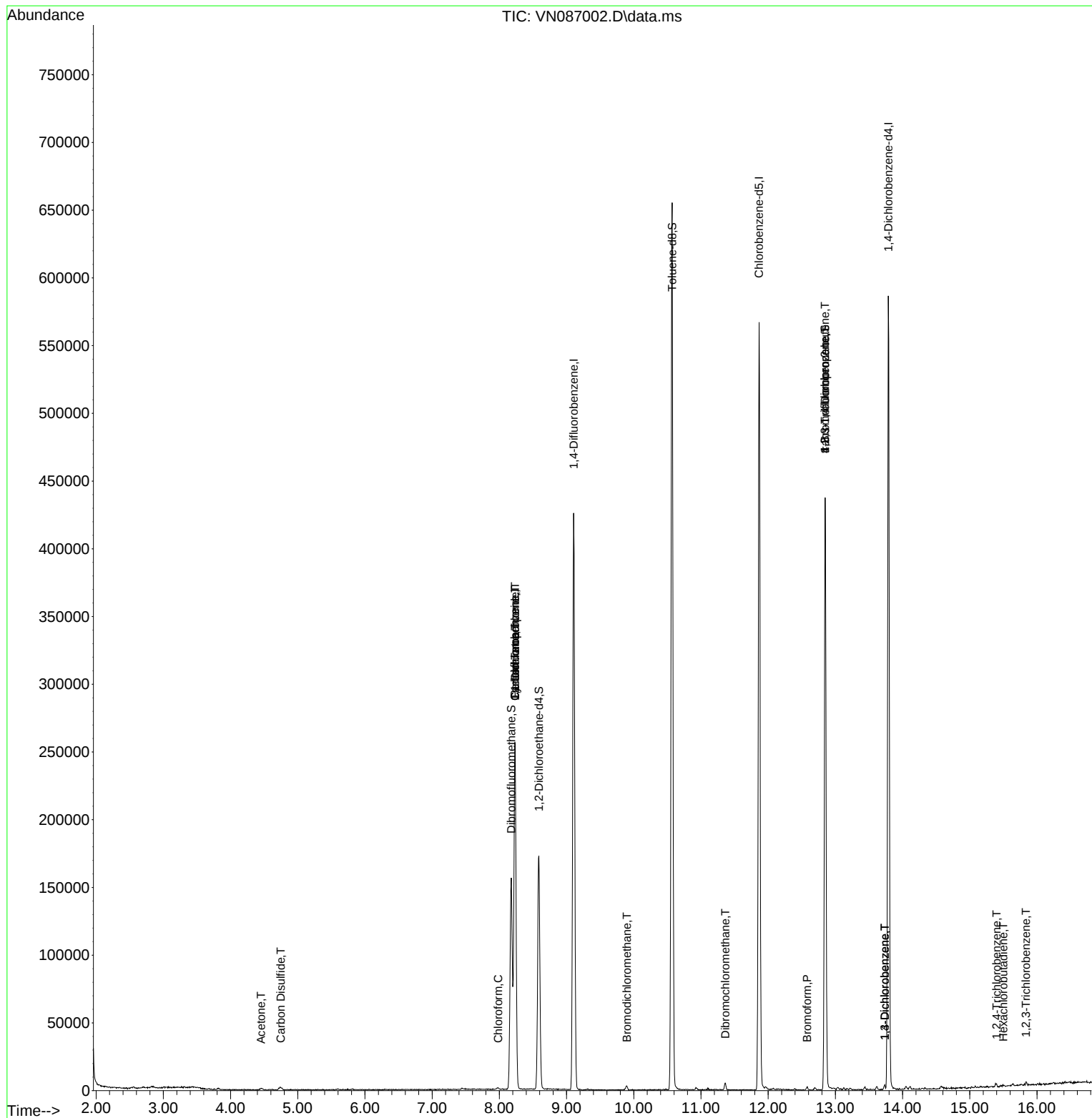
Internal Standards						
1) Pentafluorobenzene	8.230	168	207879	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	402501	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	359714	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	173766	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141723	50.920	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.840%		
35) Dibromofluoromethane	8.177	113	120918	50.693	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.380%		
50) Toluene-d8	10.571	98	485254	51.389	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 102.780%		
62) 4-Bromofluorobenzene	12.847	95	178616	50.913	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.820%		
Target Compounds						
						Qvalue
16) Acetone	4.453	43	2163	1.465	ug/l	97
17) Carbon Disulfide	4.747	76	2128	0.332	ug/l #	75
30) Chloroform	7.983	83	1206	0.259	ug/l #	59
31) Cyclohexane	8.235	56	3430	0.760	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	15412	4.336	ug/l #	47
38) Carbon Tetrachloride	8.235	117	20029	5.740	ug/l #	16
47) Bromodichloromethane	9.900	83	2859	0.740	ug/l #	86
60) Dibromochloromethane	11.365	129	3371	1.184	ug/l	100
71) Bromoform	12.582	173	1138	0.602	ug/l #	96
76) 1,2,3-Trichloropropane	12.847	75	80316	19.445	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80316	44.761	ug/l #	16
87) 1,3-Dichlorobenzene	13.735	146	1225	0.214	ug/l	85
88) 1,4-Dichlorobenzene	13.735	146	1225	0.210	ug/l	87
93) 1,2,4-Trichlorobenzene	15.400	180	926	0.264	ug/l	89
94) Hexachlorobutadiene	15.500	225	333	0.255	ug/l #	58
96) 1,2,3-Trichlorobenzene	15.835	180	924	0.265	ug/l	84

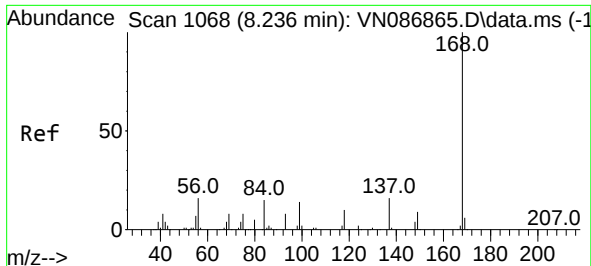
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087002.D
Acq On : 13 Jun 2025 15:28
Operator : JC\MD
Sample : Q2314-06
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 8 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

Quant Time: Jun 14 00:29:51 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

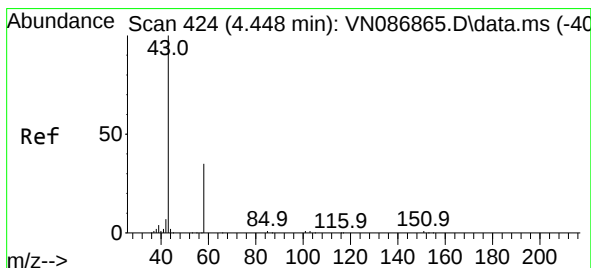
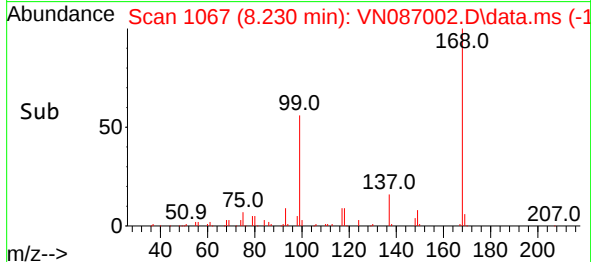
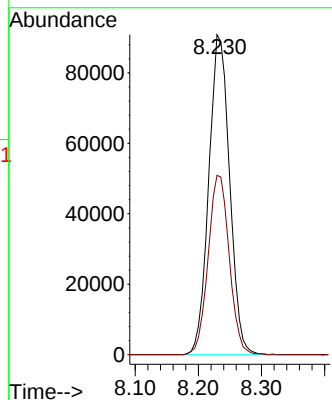
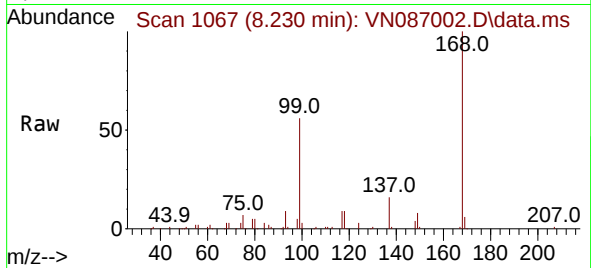




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

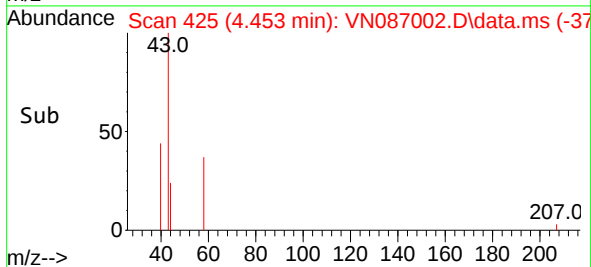
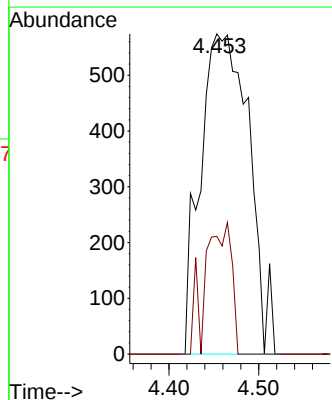
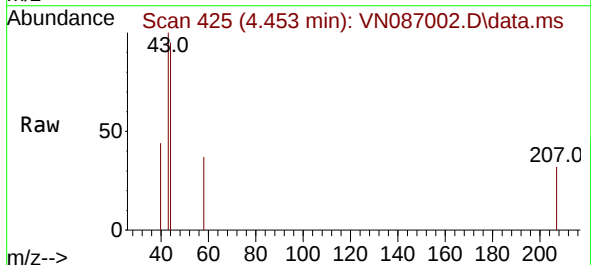
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

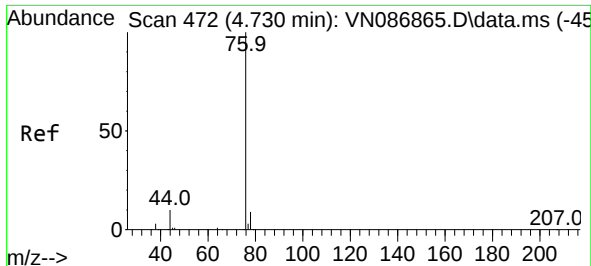
Tgt Ion:168 Resp: 207879
Ion Ratio Lower Upper
168 100
99 56.0 49.1 73.7



#16
Acetone
Concen: 1.465 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 43 Resp: 2163
Ion Ratio Lower Upper
43 100
58 36.8 28.0 42.0

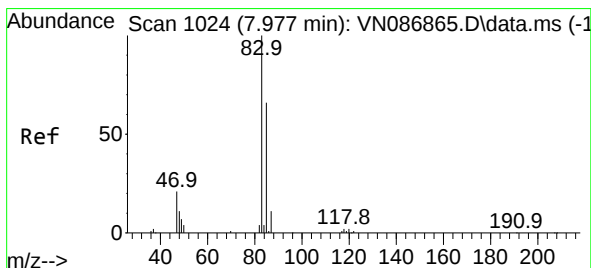
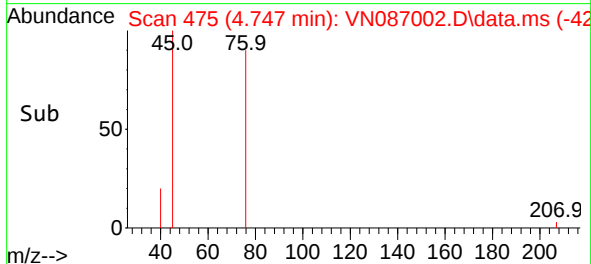
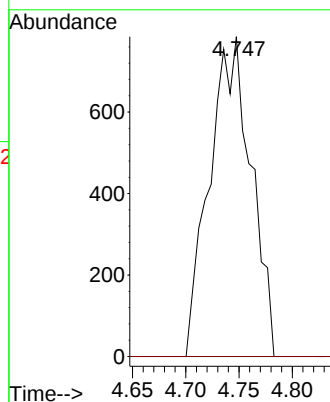
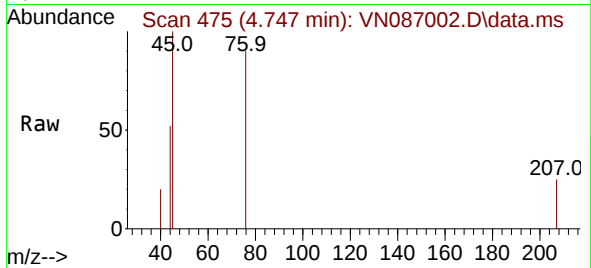




#17
Carbon Disulfide
Concen: 0.332 ug/l
RT: 4.747 min Scan# 41
Delta R.T. 0.018 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

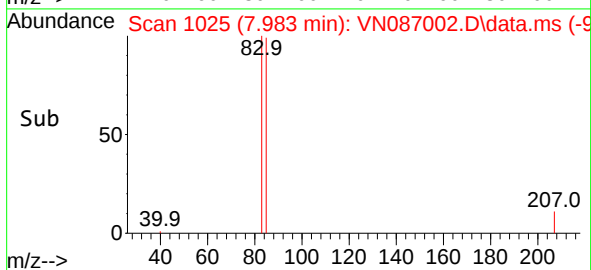
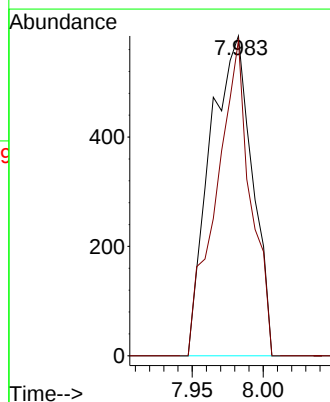
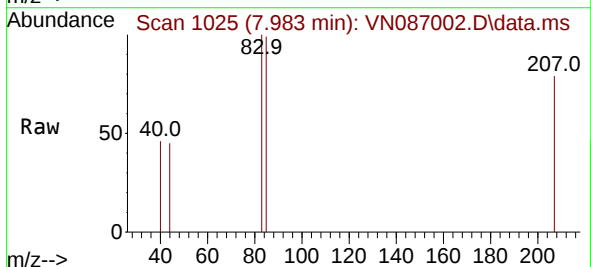
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

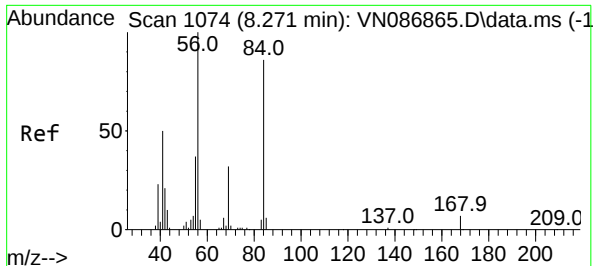
Tgt Ion: 76 Resp: 2128
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#30
Chloroform
Concen: 0.259 ug/l
RT: 7.983 min Scan# 1025
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 83 Resp: 1206
Ion Ratio Lower Upper
83 100
85 98.6 52.9 79.3#

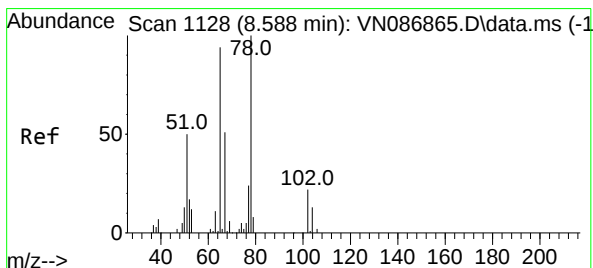
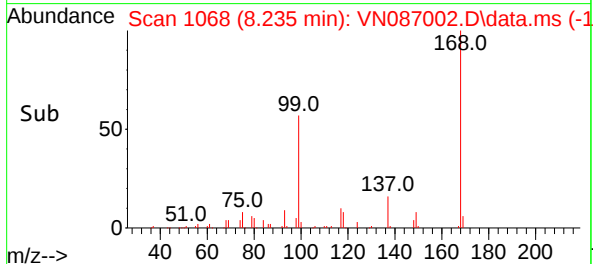
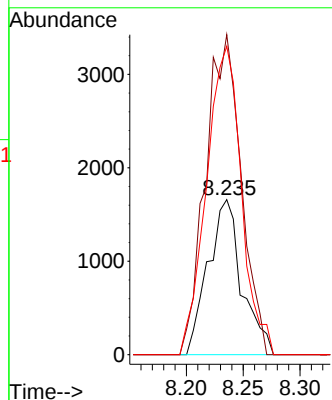
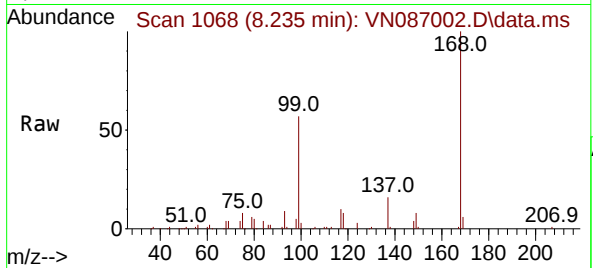




#31
Cyclohexane
Concen: 0.760 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

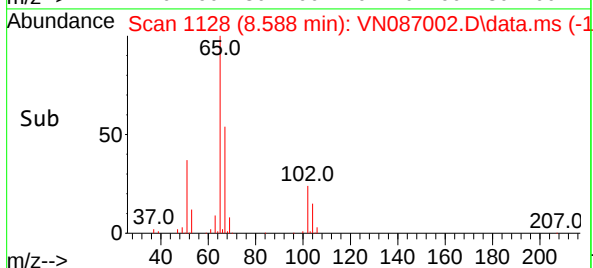
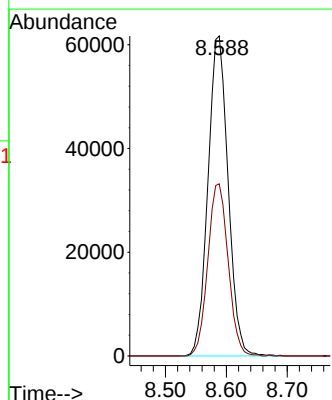
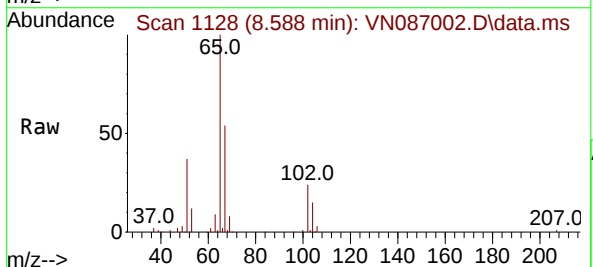
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

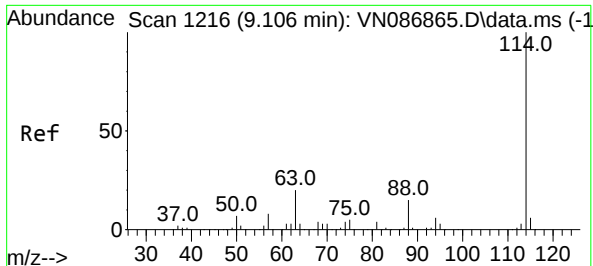
Tgt Ion: 56 Resp: 3430
Ion Ratio Lower Upper
56 100
69 206.4 25.4 38.0#
84 199.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.920 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 65 Resp: 141723
Ion Ratio Lower Upper
65 100
67 54.3 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: VN087002.D

Acq: 13 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250612

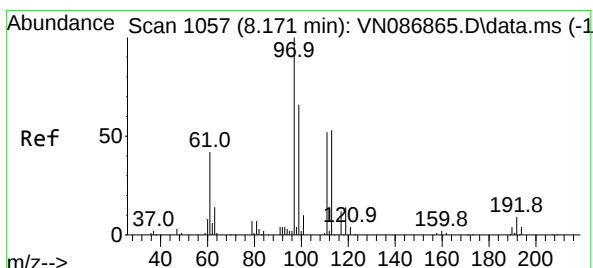
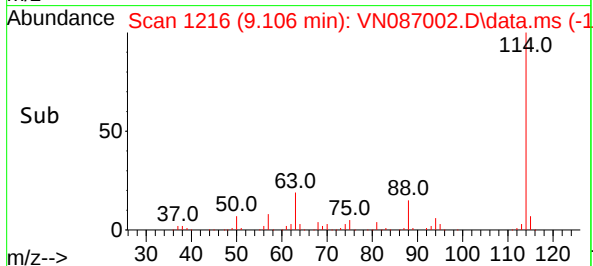
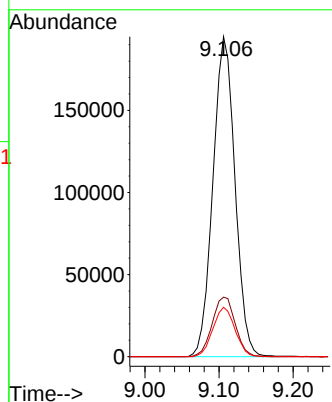
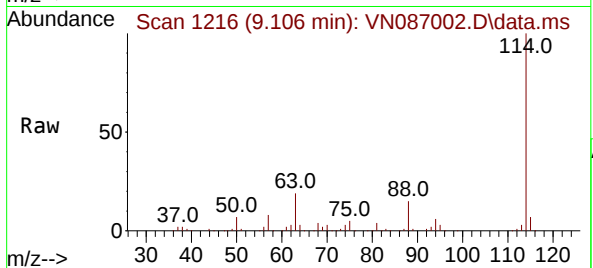
Tgt Ion:114 Resp: 402501

Ion Ratio Lower Upper

114 100

63 18.6 0.0 39.6

88 15.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.693 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

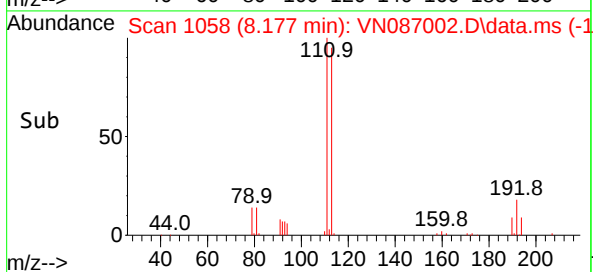
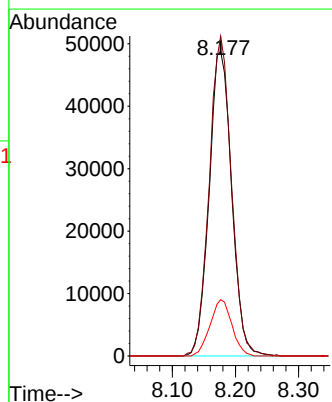
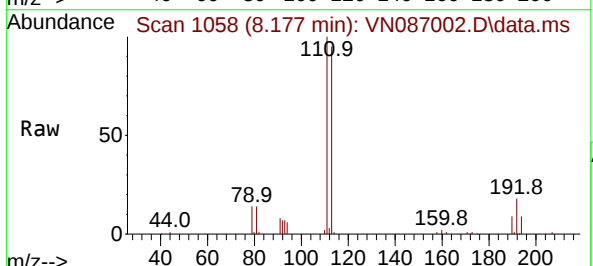
Tgt Ion:113 Resp: 120918

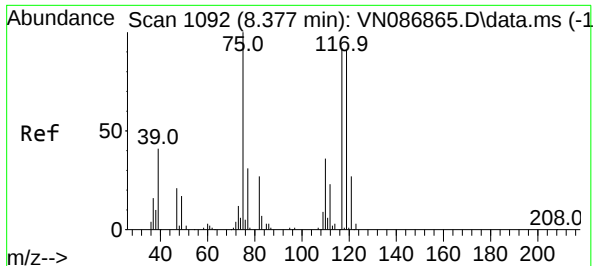
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.9 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.336 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250612

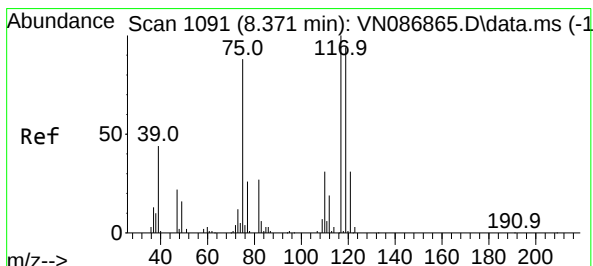
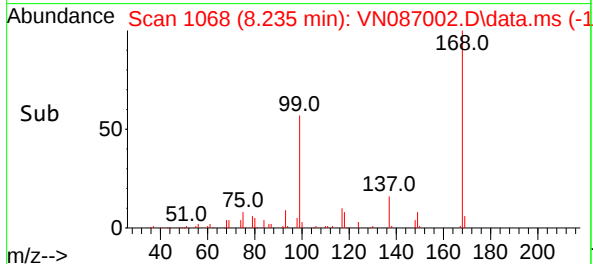
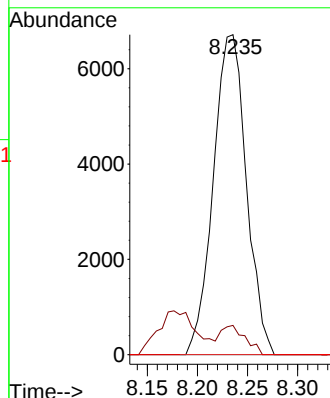
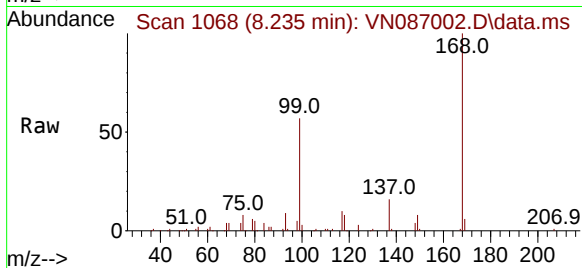
Tgt Ion: 75 Resp: 15412

Ion Ratio Lower Upper

75 100

110 6.7 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.740 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

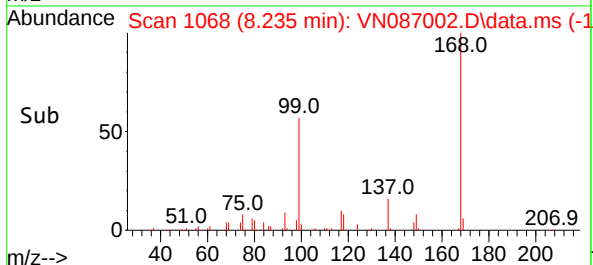
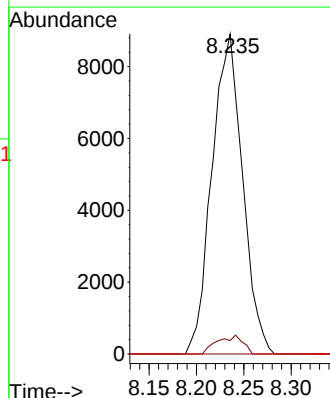
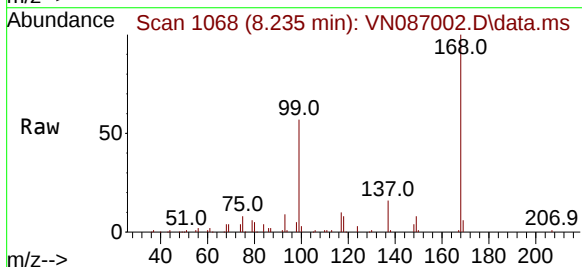
Tgt Ion: 117 Resp: 20029

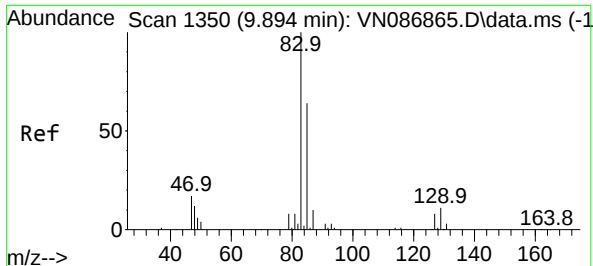
Ion Ratio Lower Upper

117 100

119 4.2 75.0 112.6#

121 0.0 24.9 37.3#

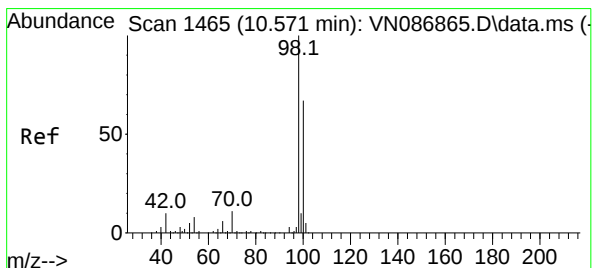
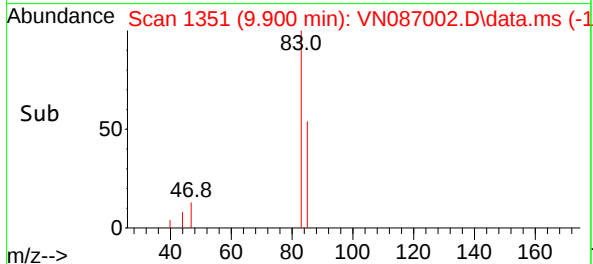
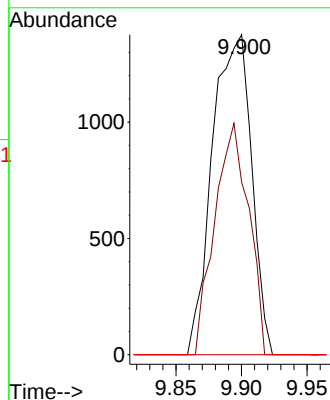
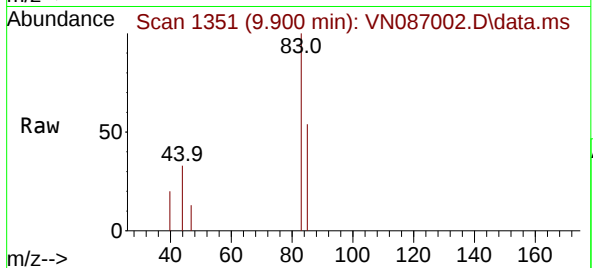




#47
Bromodichloromethane
Concen: 0.740 ug/l
RT: 9.900 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

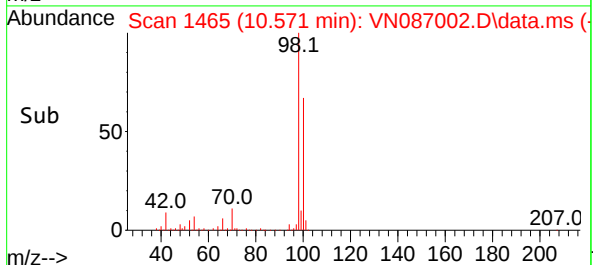
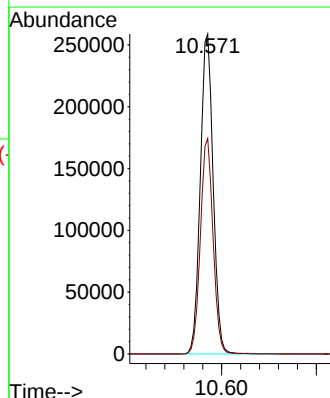
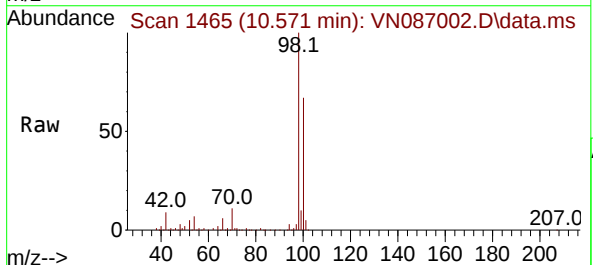
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

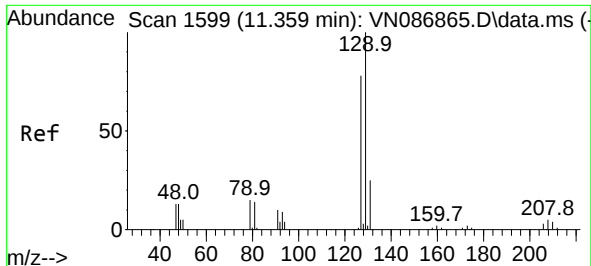
Tgt Ion: 83 Resp: 2859
Ion Ratio Lower Upper
83 100
85 53.9 50.9 76.3
127 0.0 6.6 10.0#



#50
Toluene-d8
Concen: 51.389 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 98 Resp: 485254
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

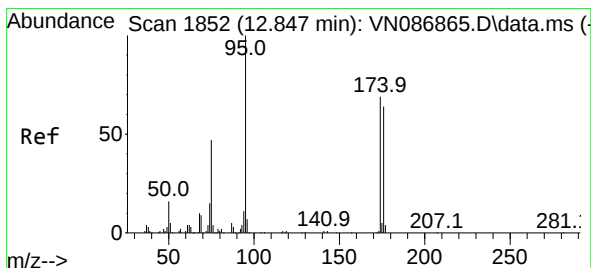
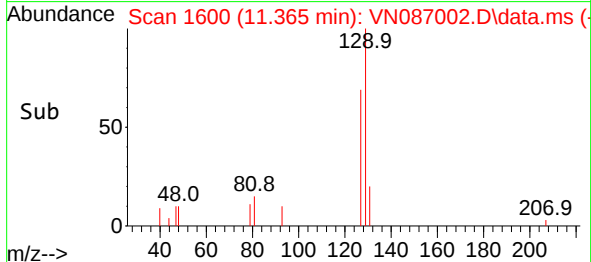
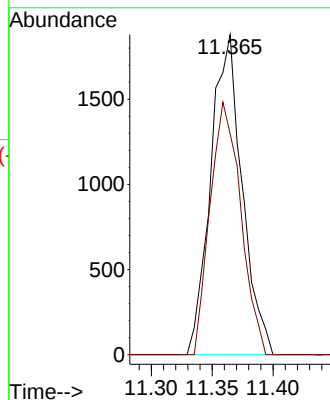
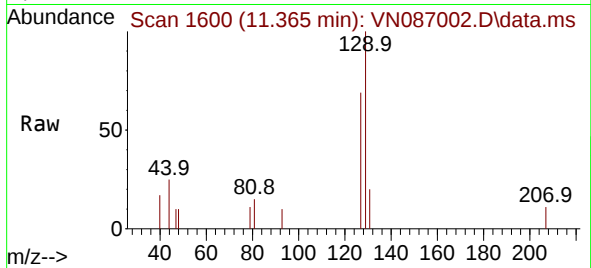




#60
Dibromochloromethane
Concen: 1.184 ug/l
RT: 11.365 min Scan# 1
Delta R.T. 0.006 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

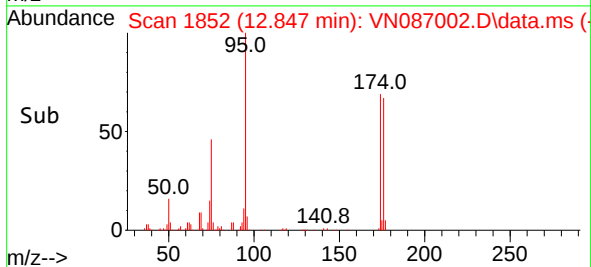
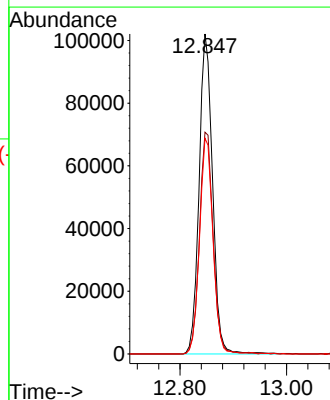
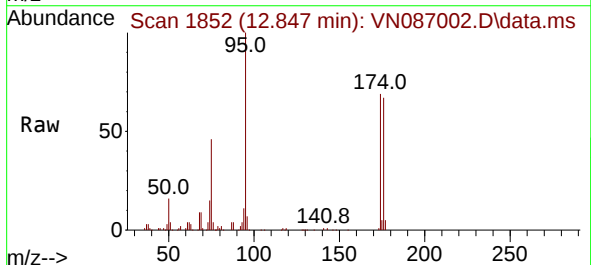
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

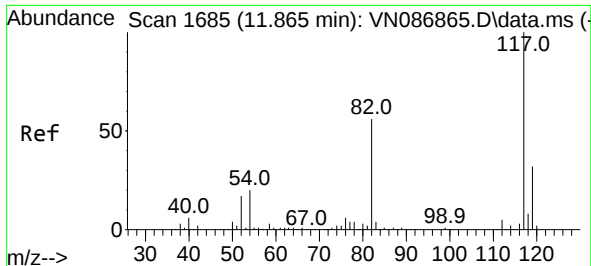
Tgt Ion:129 Resp: 3371
Ion Ratio Lower Upper
129 100
127 77.0 38.6 115.8



#62
4-Bromofluorobenzene
Concen: 50.913 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion: 95 Resp: 178616
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 67.5 0.0 132.6

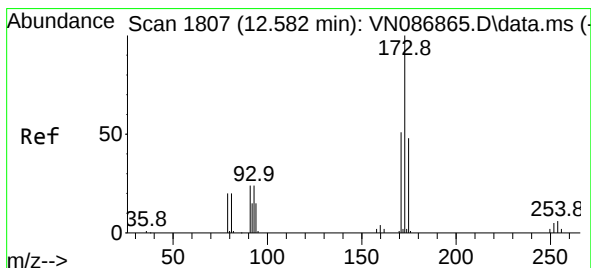
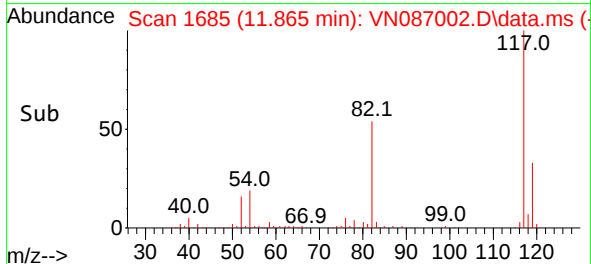
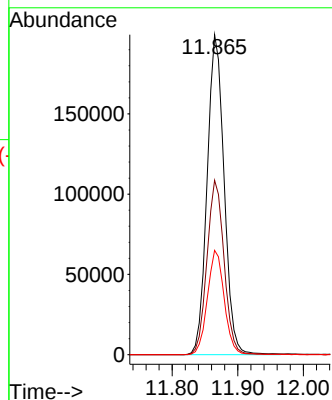
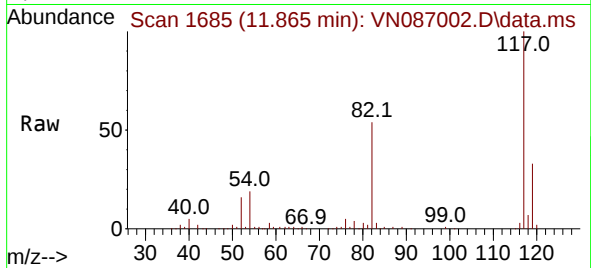




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

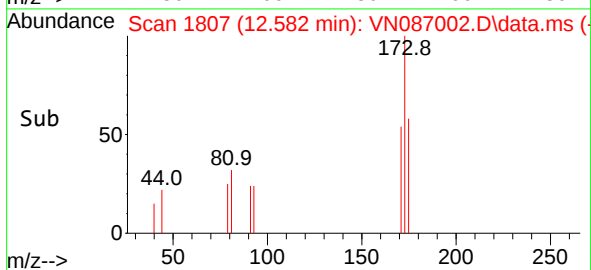
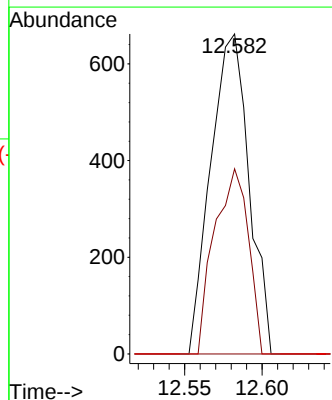
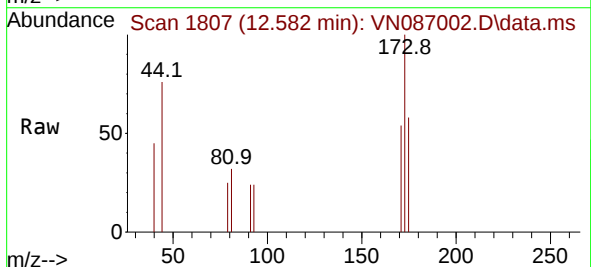
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

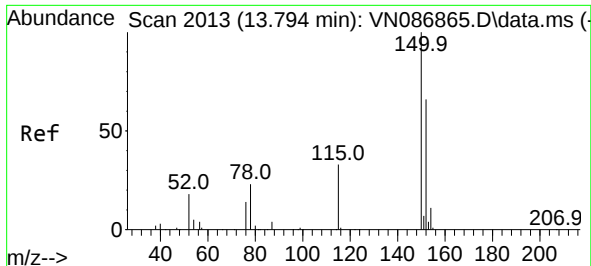
Tgt Ion:117 Resp: 359714
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 32.6 25.5 38.3



#71
Bromoform
Concen: 0.602 ug/l
RT: 12.582 min Scan# 1807
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:173 Resp: 1138
Ion Ratio Lower Upper
173 100
175 51.2 24.1 72.4
254 0.0 0.0 0.0

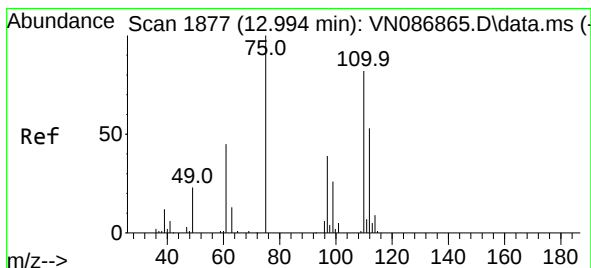
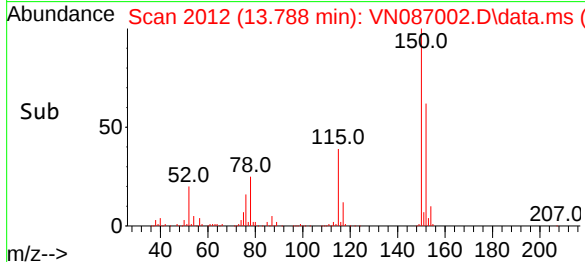
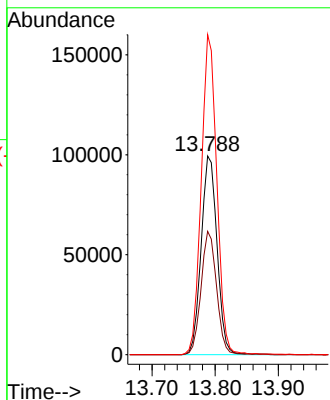
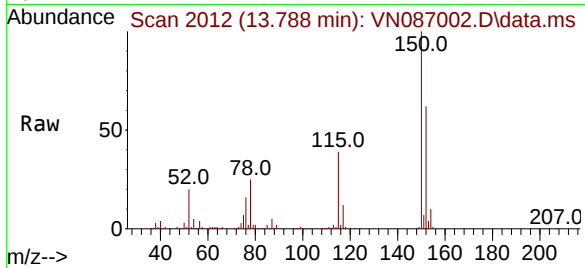




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087002.D
 Acq: 13 Jun 2025 15:28

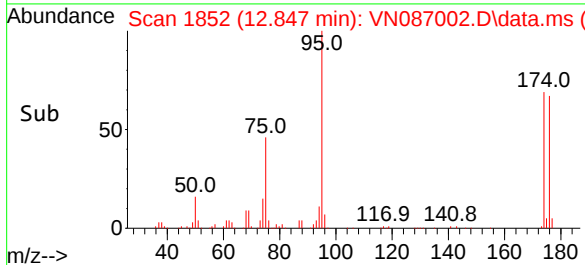
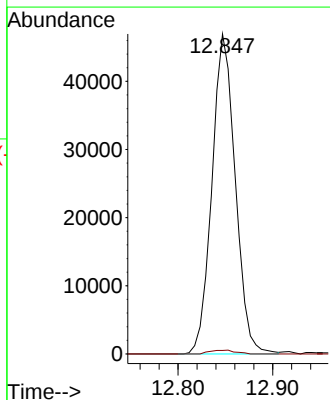
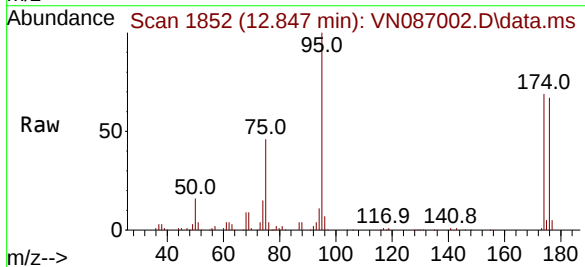
Instrument :
 MSVOA_N
 ClientSampleId :
 VPB182-HYD-20250612

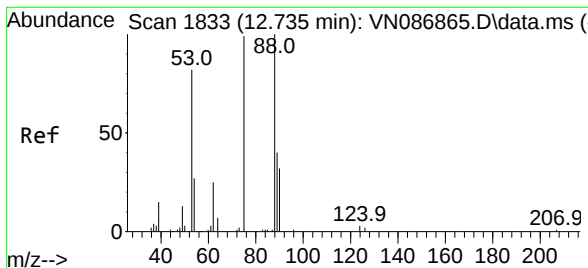
Tgt Ion:152 Resp: 173766
 Ion Ratio Lower Upper
 152 100
 115 60.8 30.1 90.5
 150 157.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.445 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087002.D
 Acq: 13 Jun 2025 15:28

Tgt Ion: 75 Resp: 80316
 Ion Ratio Lower Upper
 75 100
 77 1.3 79.3 237.9#

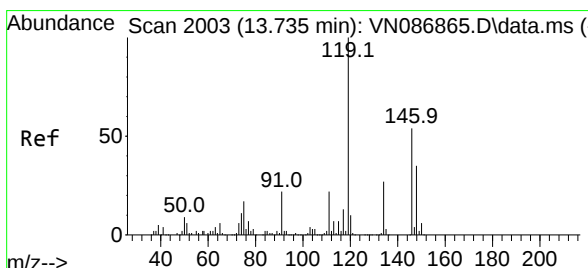
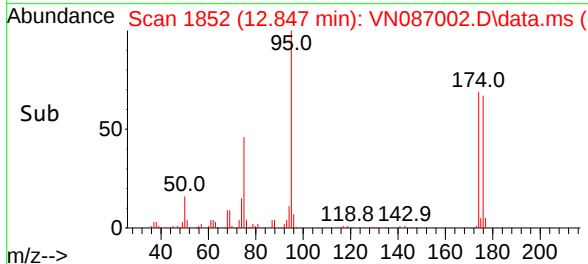
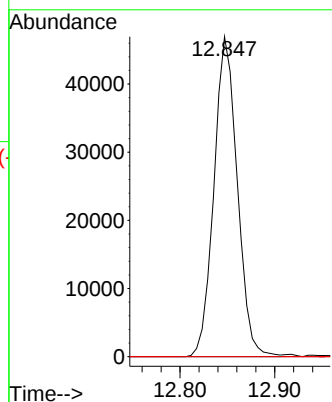
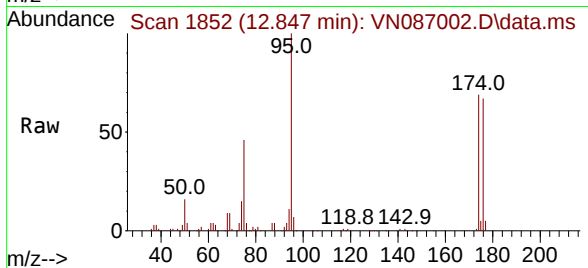




#81
trans-1,4-Dichloro-2-butene
Concen: 44.761 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

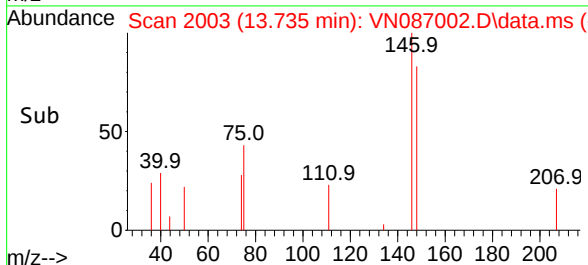
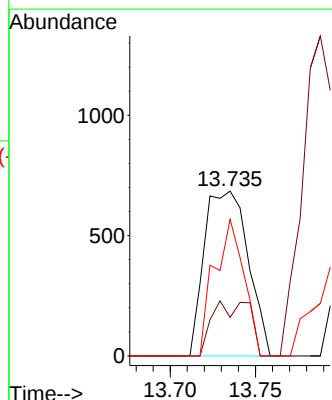
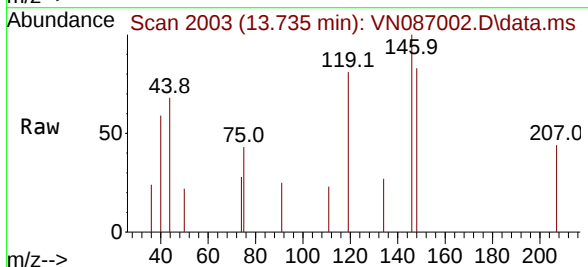
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

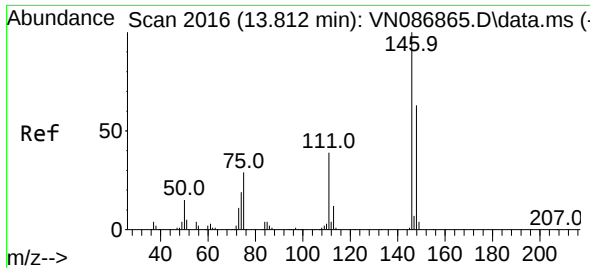
Tgt Ion: 75 Resp: 80316
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#



#87
1,3-Dichlorobenzene
Concen: 0.214 ug/l
RT: 13.735 min Scan# 2003
Delta R.T. -0.000 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:146 Resp: 1225
Ion Ratio Lower Upper
146 100
111 28.3 20.9 62.8
148 55.8 32.0 96.2

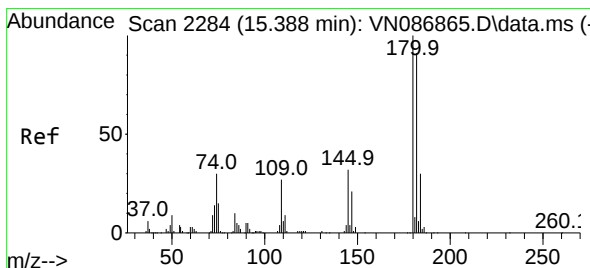
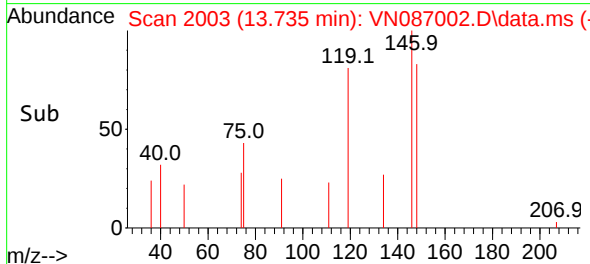
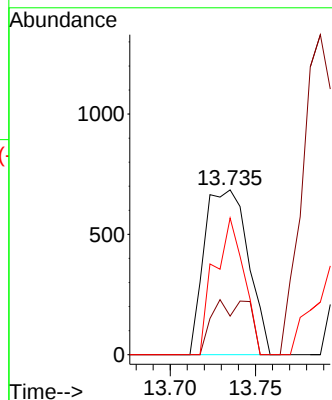
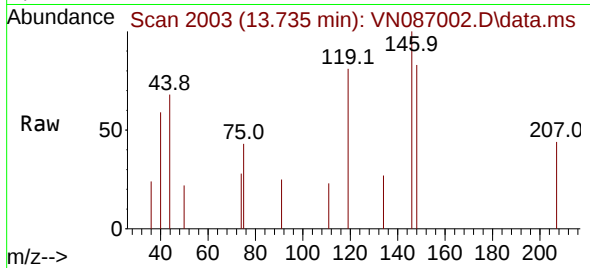




#88
1,4-Dichlorobenzene
Concen: 0.210 ug/l
RT: 13.735 min Scan# 2016
Delta R.T. -0.077 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

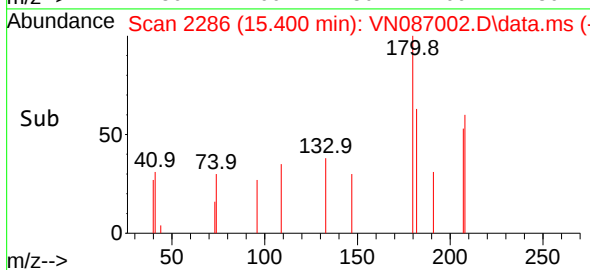
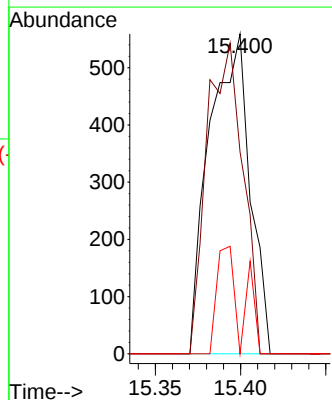
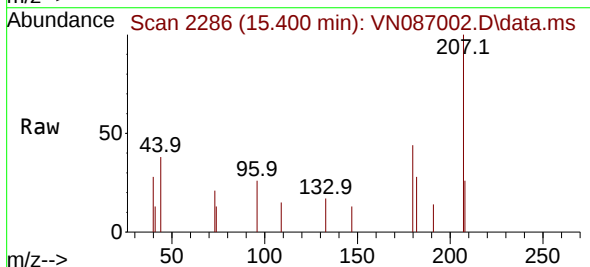
Instrument :
MSVOA_N
ClientSampleId :
VPB182-HYD-20250612

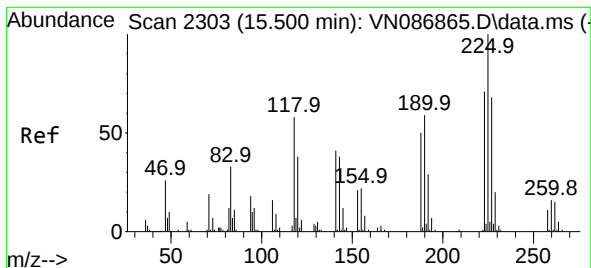
Tgt Ion:146 Resp: 1225
Ion Ratio Lower Upper
146 100
111 28.3 19.9 59.7
148 55.8 31.8 95.4



#93
1,2,4-Trichlorobenzene
Concen: 0.264 ug/l
RT: 15.400 min Scan# 2286
Delta R.T. 0.012 min
Lab File: VN087002.D
Acq: 13 Jun 2025 15:28

Tgt Ion:180 Resp: 926
Ion Ratio Lower Upper
180 100
182 86.4 46.9 140.7
145 20.2 16.0 47.9





#94

Hexachlorobutadiene

Concen: 0.255 ug/l

RT: 15.500 min Scan# 21

Delta R.T. -0.000 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

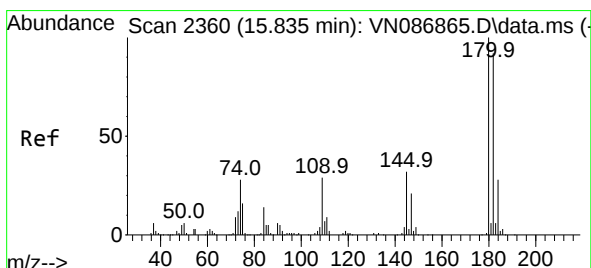
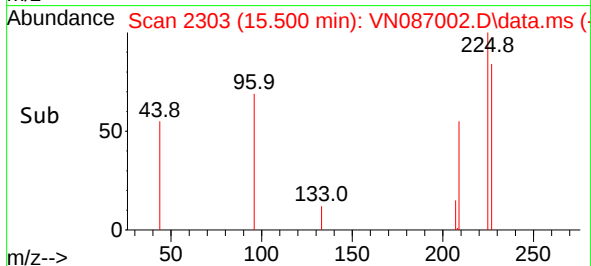
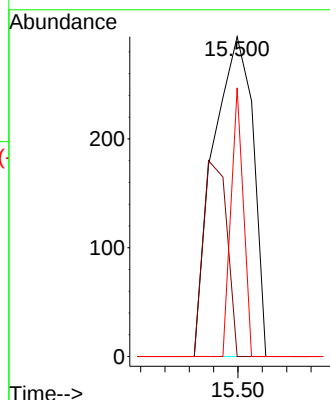
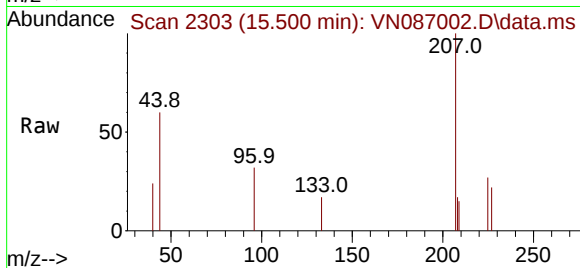
Instrument :

MSVOA_N

ClientSampleId :

VPB182-HYD-20250612

Tgt Ion:225	Resp:	333
Ion Ratio	Lower	Upper
225	100	
223	36.6	33.5 100.4
227	26.1	31.1 93.5#



#96

1,2,3-Trichlorobenzene

Concen: 0.265 ug/l

RT: 15.835 min Scan# 2360

Delta R.T. -0.000 min

Lab File: VN087002.D

Acq: 13 Jun 2025 15:28

Tgt Ion:180	Resp:	924
Ion Ratio	Lower	Upper
180	100	
182	113.1	47.0 141.0
145	29.9	16.6 49.8

