

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086932.D
 Acq On : 10 Jun 2025 16:26
 Operator : JC\MD
 Sample : Q2251-01RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-TB-20250603

Quant Time: Jun 11 01:57:28 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)

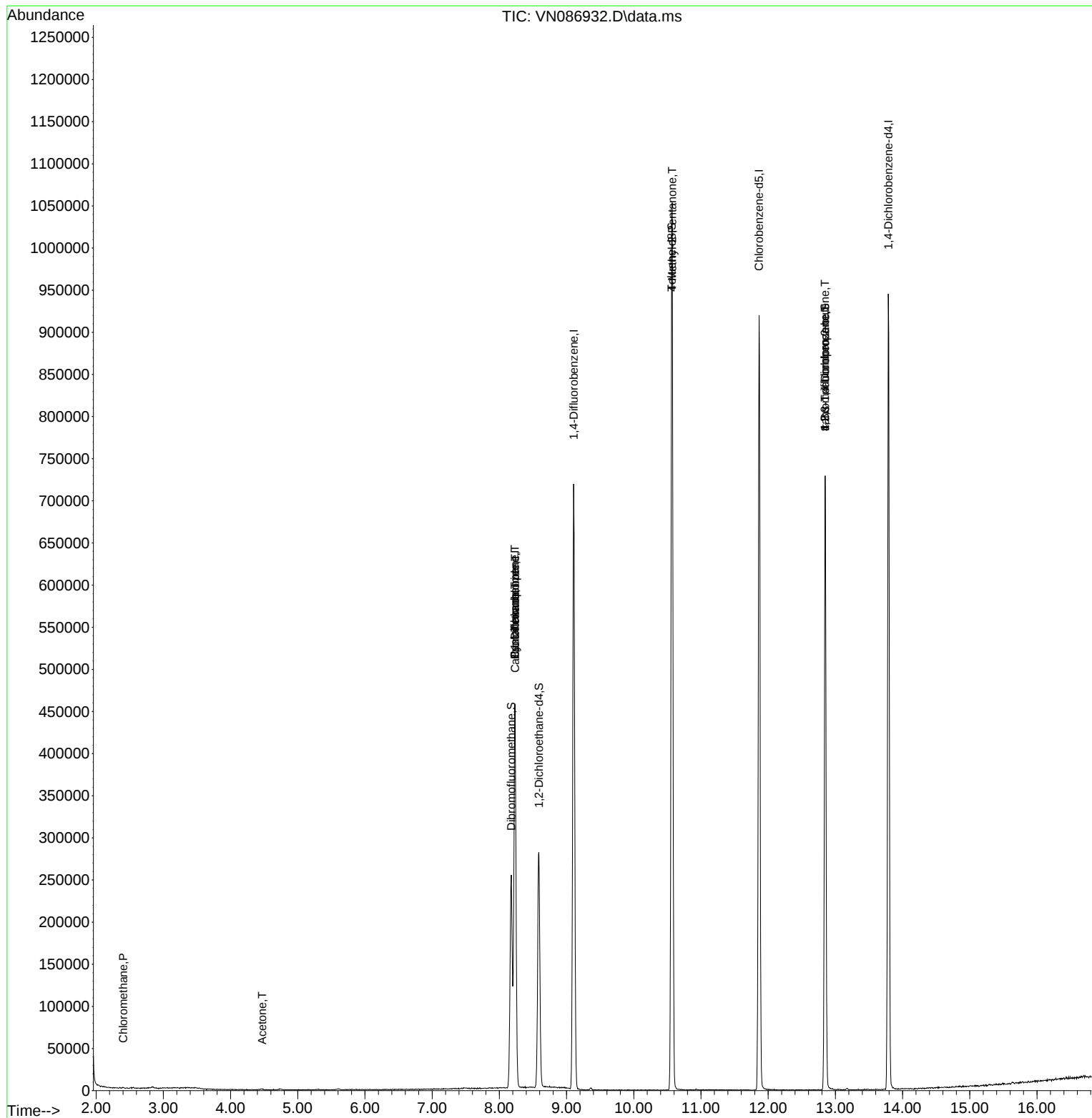
Internal Standards						
1) Pentafluorobenzene	8.229	168	351776	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	656962	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	575035	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	273719	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	230658	48.973	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.940%		
35) Dibromofluoromethane	8.177	113	190795	49.006	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	98.020%		
50) Toluene-d8	10.565	98	799111	51.848	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	103.700%		
62) 4-Bromofluorobenzene	12.847	95	282537	49.341	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.680%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.400	50	1191	0.263	ug/l	92
16) Acetone	4.471	43	2207	0.884	ug/l #	82
31) Cyclohexane	8.229	56	6213	0.813	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	27096	4.671	ug/l #	48
38) Carbon Tetrachloride	8.235	117	34320	6.026	ug/l #	17
51) 4-Methyl-2-Pentanone	10.570	43	2848	0.399	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	132689	20.394	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	132689	46.945	ug/l #	16

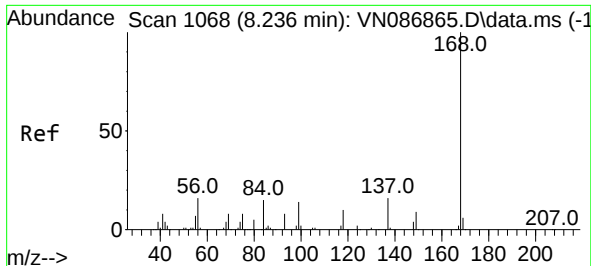
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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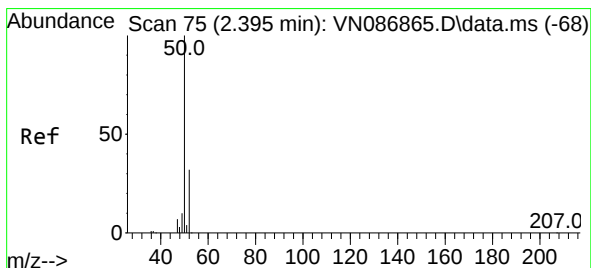
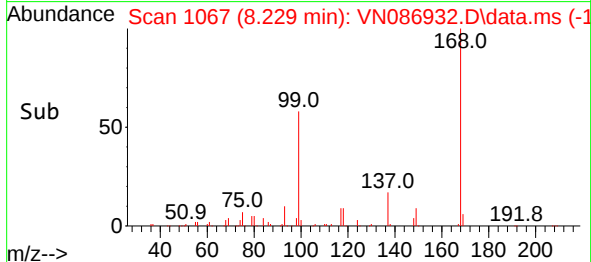
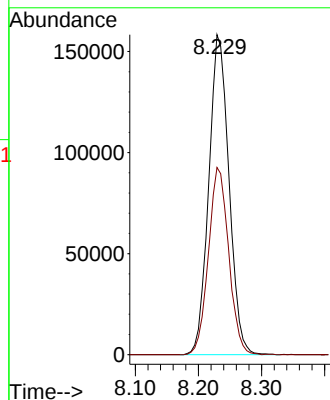
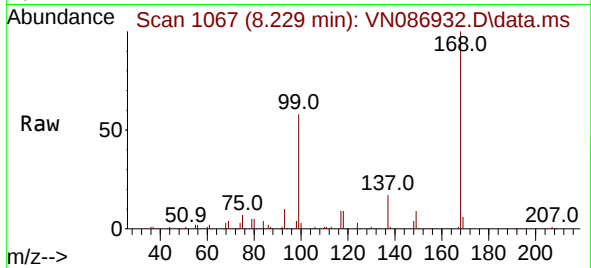




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

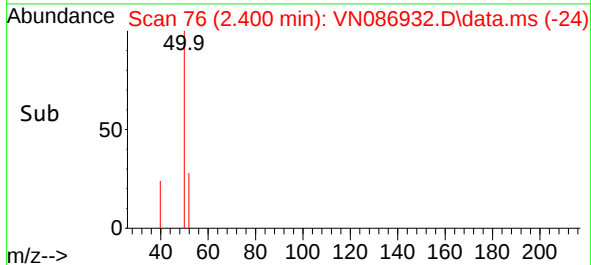
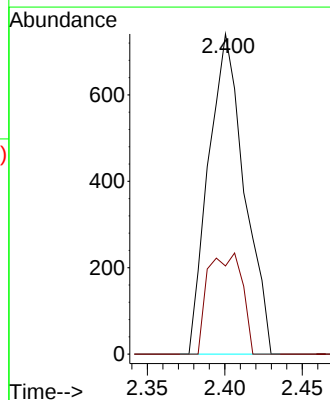
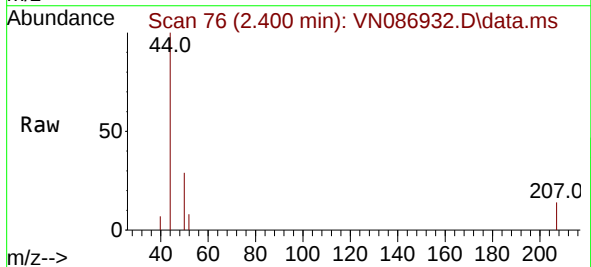
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

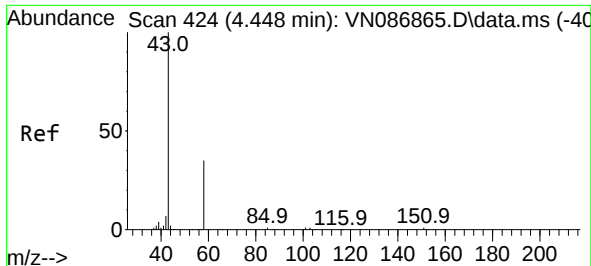
Tgt Ion:168 Resp: 351776
Ion Ratio Lower Upper
168 100
99 58.5 49.1 73.7



#3
Chloromethane
Concen: 0.263 ug/l
RT: 2.400 min Scan# 76
Delta R.T. 0.006 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 50 Resp: 1191
Ion Ratio Lower Upper
50 100
52 27.5 25.7 38.5

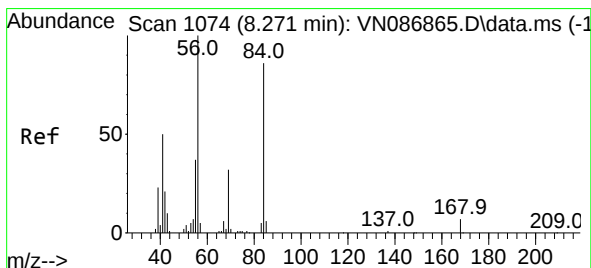
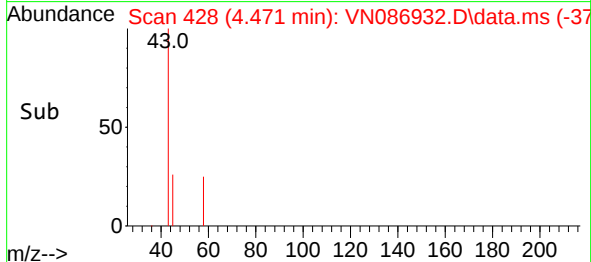
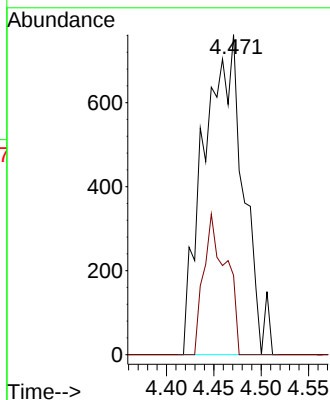
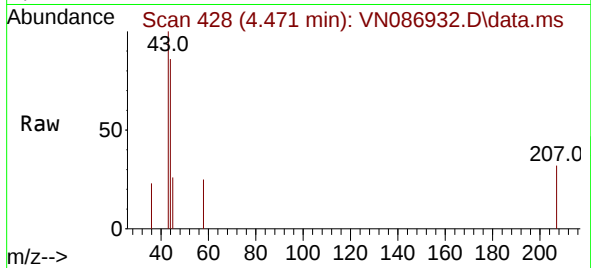




#16
Acetone
Concen: 0.884 ug/l
RT: 4.471 min Scan# 41
Delta R.T. 0.023 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

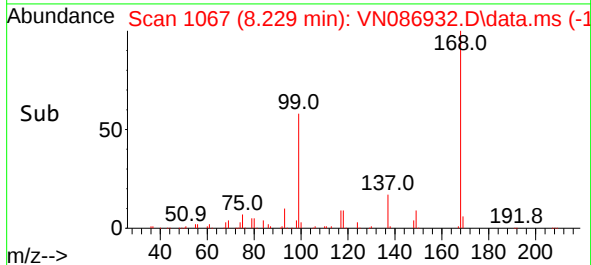
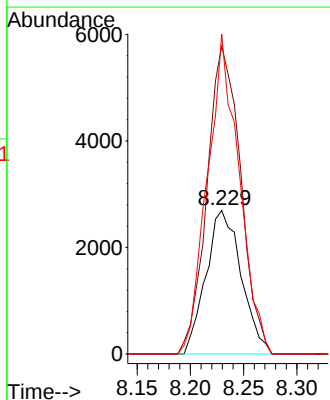
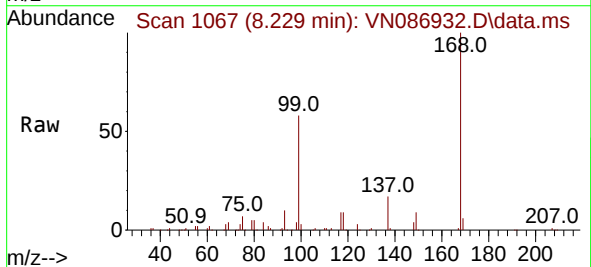
Instrument :
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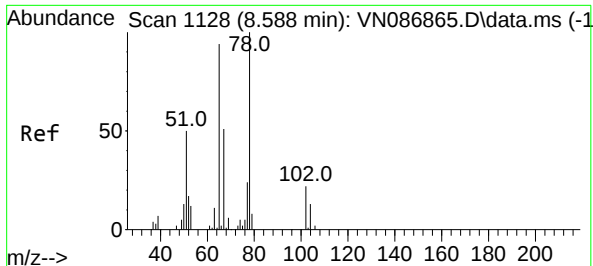
Tgt Ion: 43 Resp: 2207
Ion Ratio Lower Upper
43 100
58 24.8 28.0 42.0#



#31
Cyclohexane
Concen: 0.813 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 56 Resp: 6213
Ion Ratio Lower Upper
56 100
69 214.5 25.4 38.0#
84 222.9 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.973 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

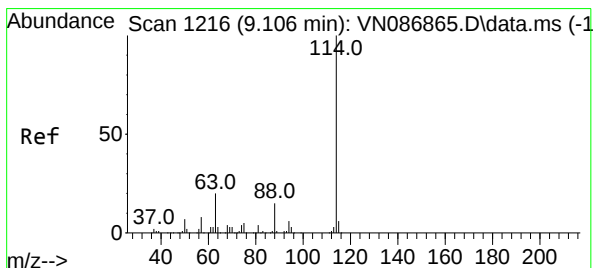
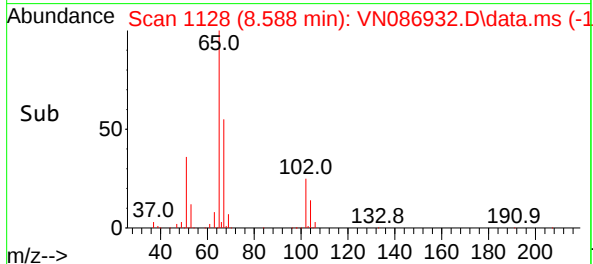
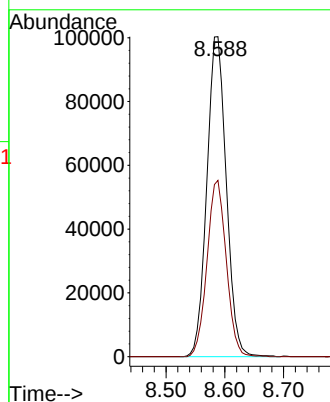
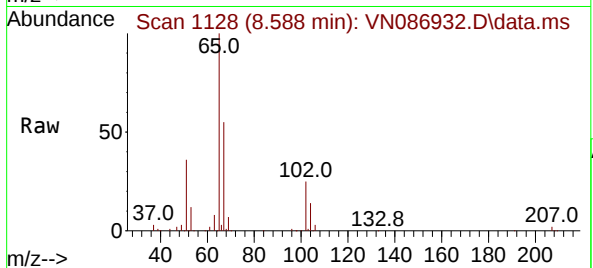
BP-VPB-182-TB-20250603

Tgt Ion: 65 Resp: 230658

Ion Ratio Lower Upper

65 100

67 54.5 0.0 105.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. -0.000 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

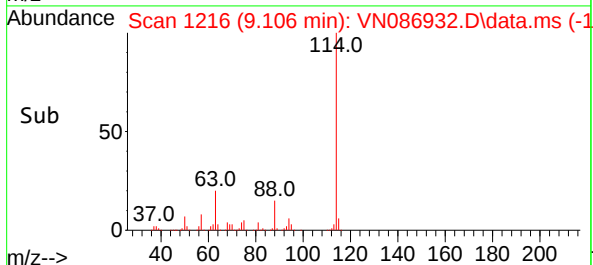
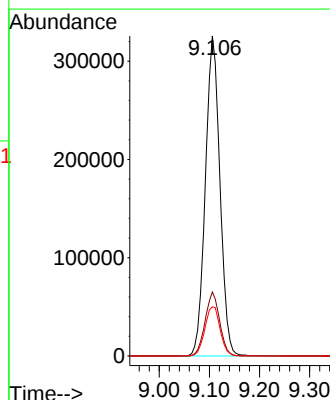
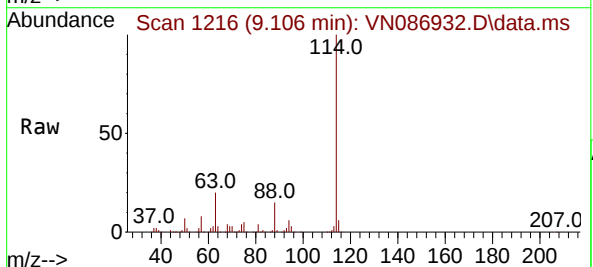
Tgt Ion: 114 Resp: 656962

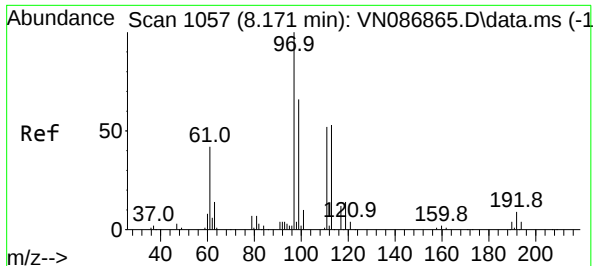
Ion Ratio Lower Upper

114 100

63 20.0 0.0 39.6

88 15.4 0.0 30.2





#35

Dibromofluoromethane

Concen: 49.006 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-TB-20250603

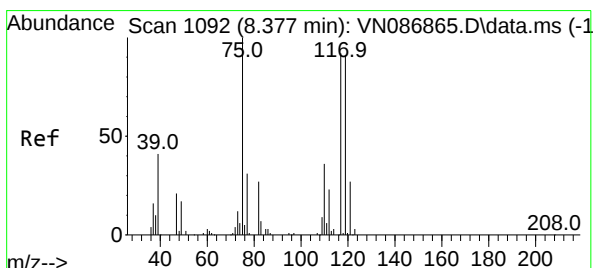
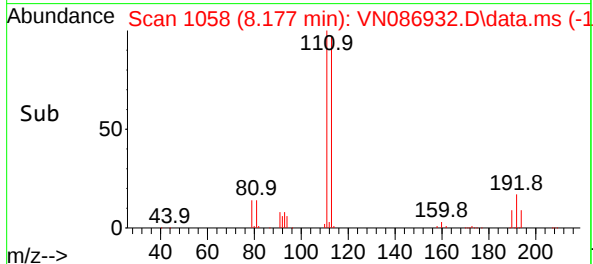
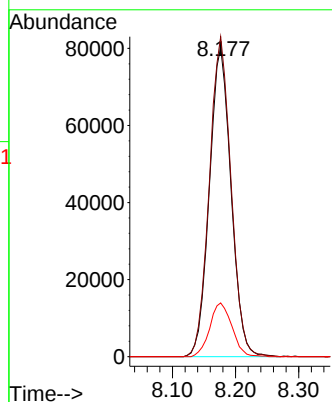
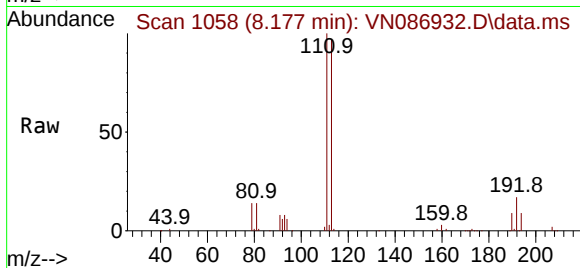
Tgt Ion:113 Resp: 190795

Ion Ratio Lower Upper

113 100

111 103.7 84.2 126.2

192 17.8 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.671 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

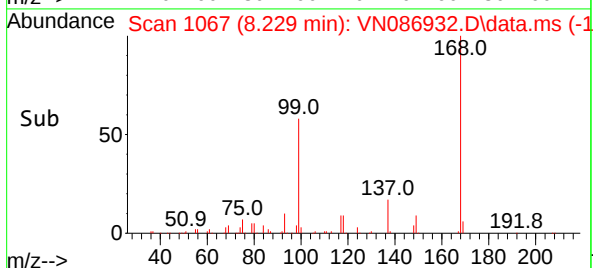
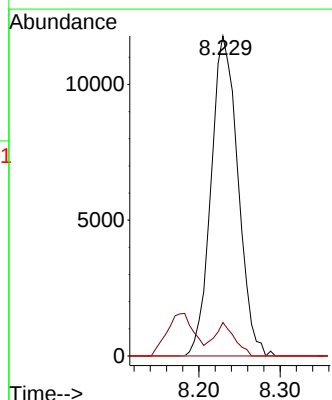
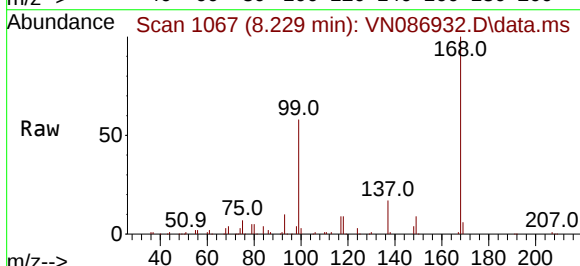
Tgt Ion: 75 Resp: 27096

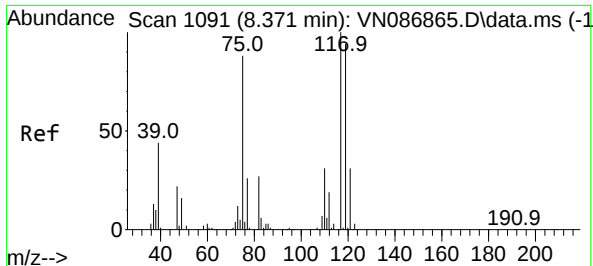
Ion Ratio Lower Upper

75 100

110 8.0 17.6 52.9#

77 0.0 25.3 37.9#

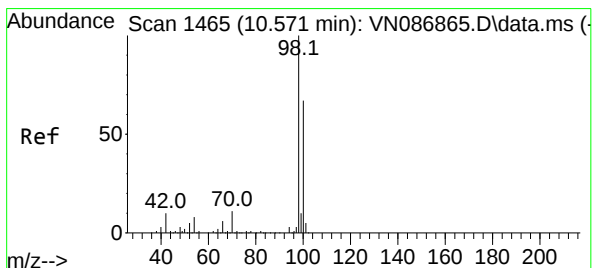
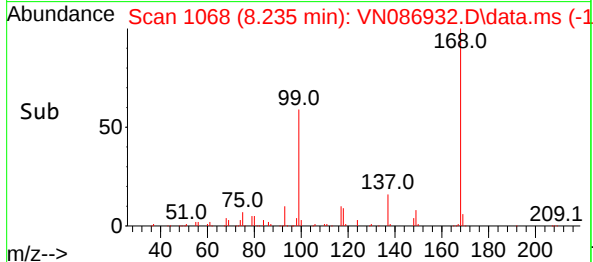
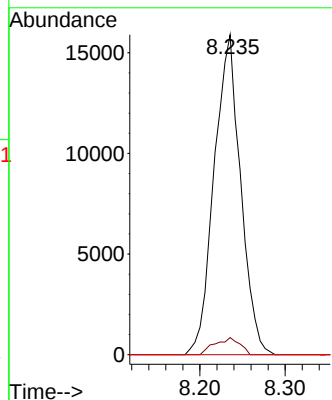
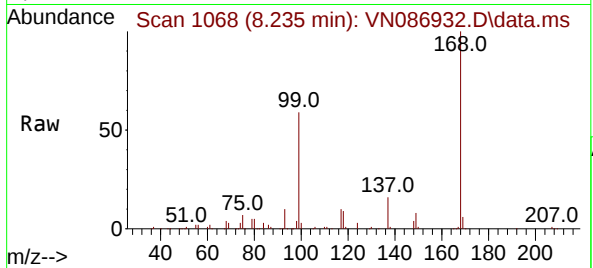




#38
Carbon Tetrachloride
Concen: 6.026 ug/l
RT: 8.235 min Scan# 1091
Delta R.T. -0.136 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

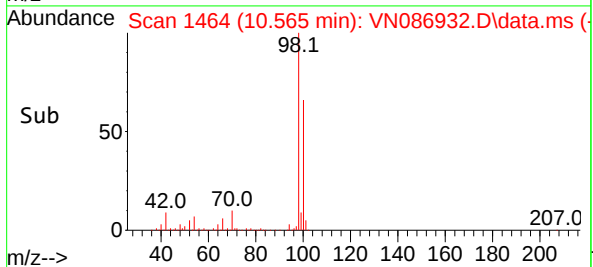
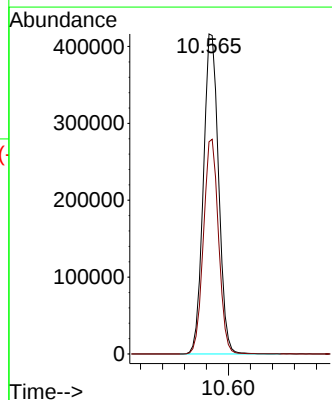
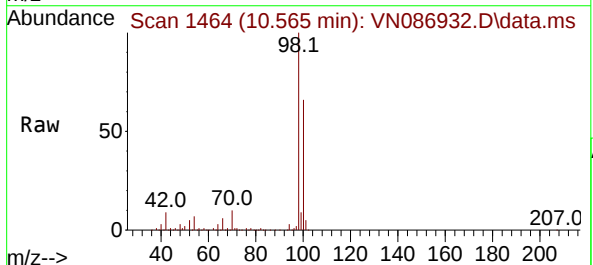
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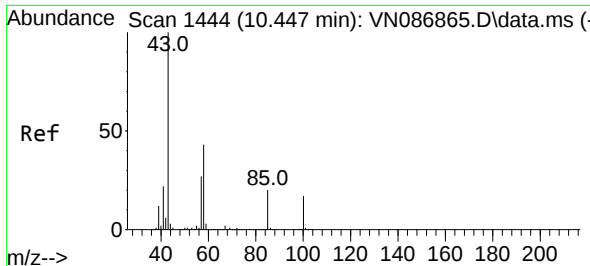
Tgt Ion:117 Resp: 34320
Ion Ratio Lower Upper
117 100
119 5.3 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 51.848 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 98 Resp: 799111
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0

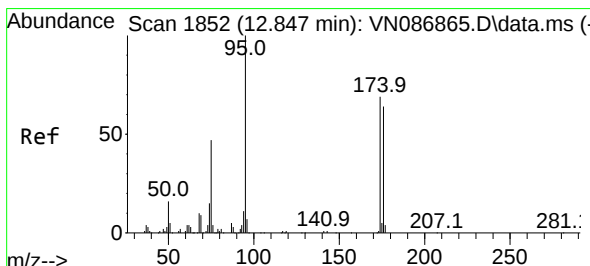
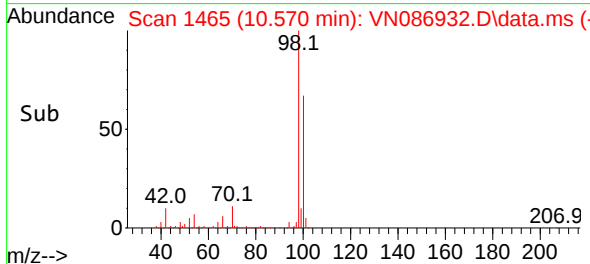
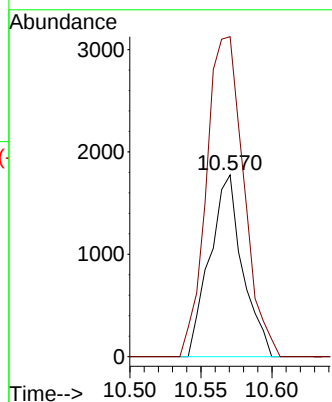
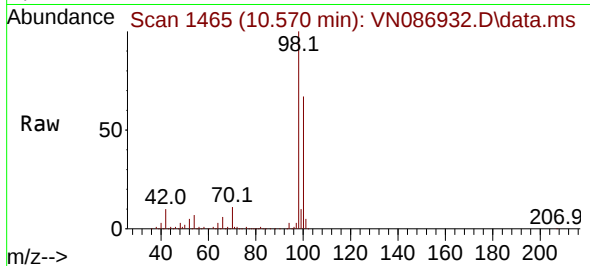




#51
4-Methyl-2-Pentanone
Concen: 0.399 ug/l
RT: 10.570 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

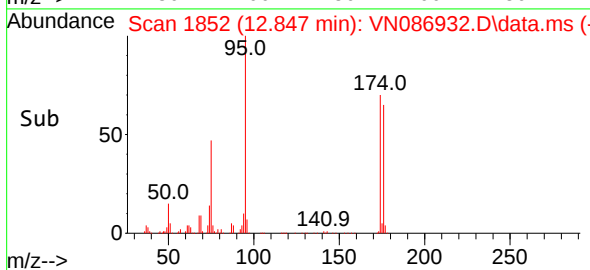
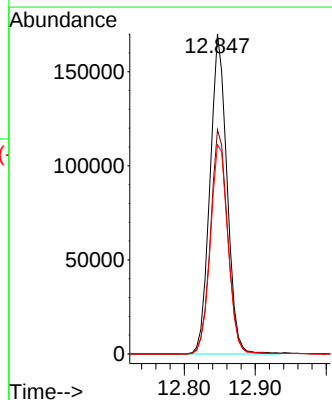
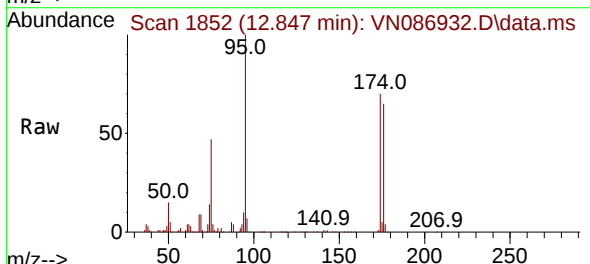
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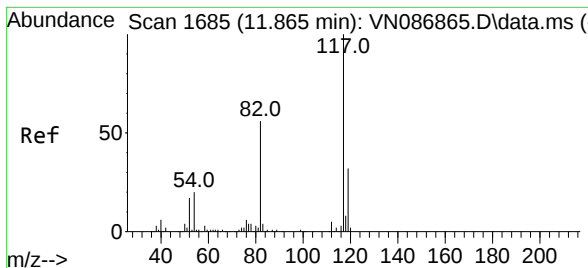
Tgt Ion: 43 Resp: 2848
Ion Ratio Lower Upper
43 100
58 201.1 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 49.341 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 95 Resp: 282537
Ion Ratio Lower Upper
95 100
174 71.1 0.0 141.8
176 67.9 0.0 132.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1

Delta R.T. -0.000 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-TB-20250603

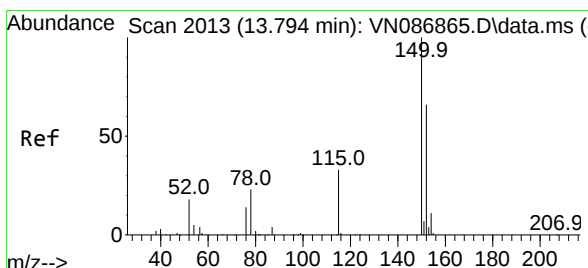
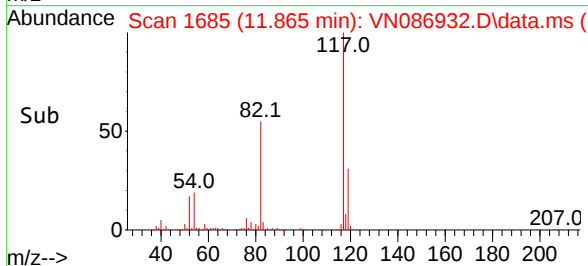
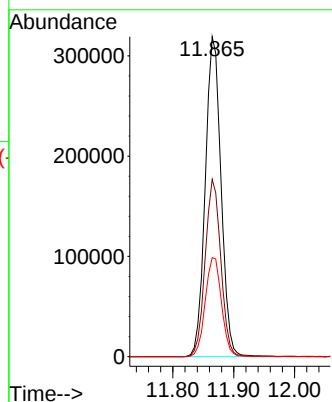
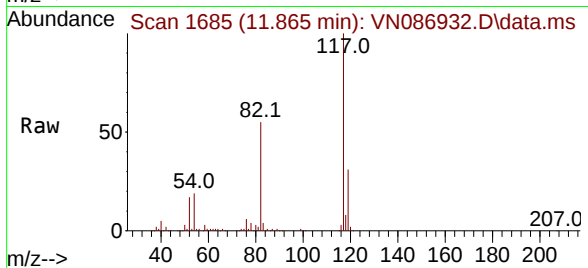
Tgt Ion:117 Resp: 575035

Ion Ratio Lower Upper

117 100

82 55.4 44.6 67.0

119 31.0 25.5 38.3



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.788 min Scan# 2012

Delta R.T. -0.006 min

Lab File: VN086932.D

Acq: 10 Jun 2025 16:26

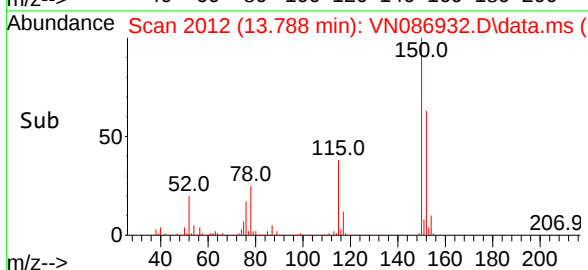
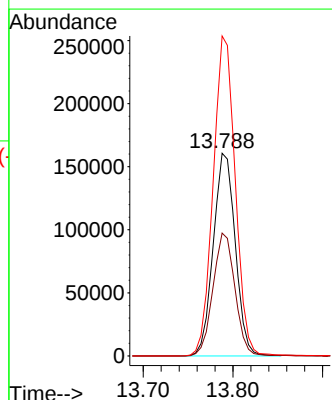
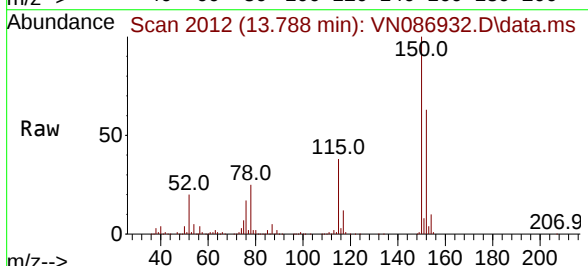
Tgt Ion:152 Resp: 273719

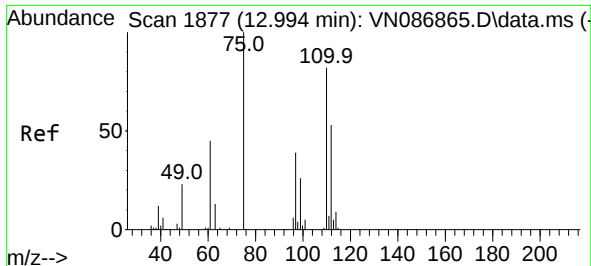
Ion Ratio Lower Upper

152 100

115 60.6 30.1 90.5

150 158.7 0.0 345.0

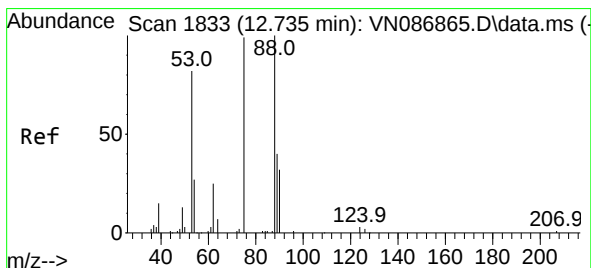
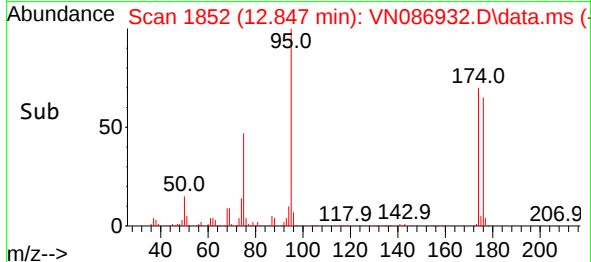
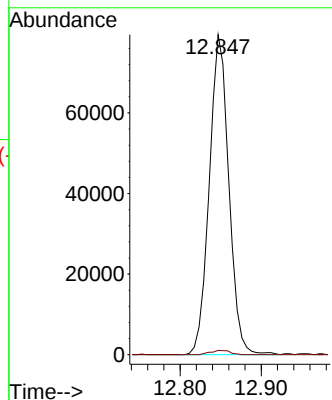
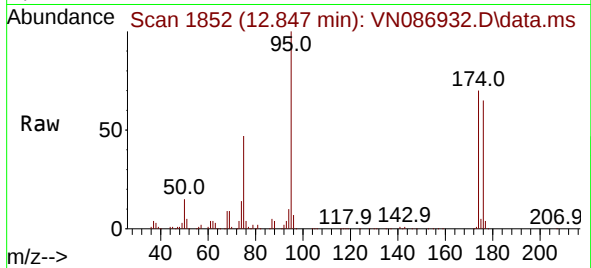




#76
1,2,3-Trichloropropane
Concen: 20.394 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-TB-20250603

Tgt Ion: 75 Resp: 132689
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.945 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN086932.D
Acq: 10 Jun 2025 16:26

Tgt Ion: 75 Resp: 132689
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

