

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087006.D
 Acq On : 13 Jun 2025 16:56
 Operator : JC\MD
 Sample : Q2314-02
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-GW-820-822

Quant Time: Jun 14 00:31:27 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)

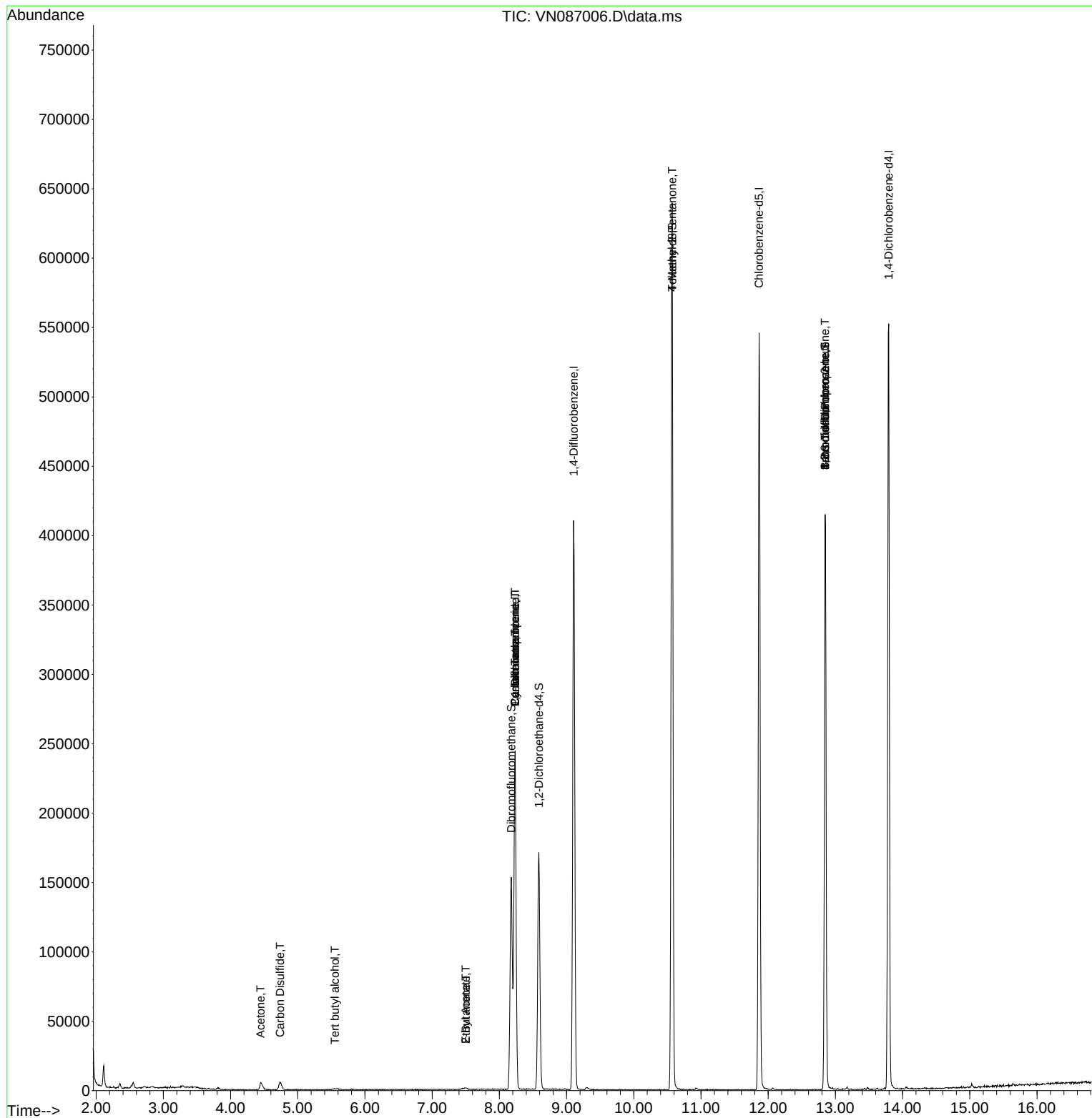
Internal Standards						
1) Pentafluorobenzene	8.235	168	193783	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387947	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	349080	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	167434	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139982	53.953	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.900%	
35) Dibromofluoromethane	8.176	113	117753	51.218	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 102.440%	
50) Toluene-d8	10.570	98	472614	51.928	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 103.860%	
62) 4-Bromofluorobenzene	12.847	95	168301	49.772	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 99.540%	
Target Compounds						
					Qvalue	
11) Tert butyl alcohol	5.553	59	877	1.246	ug/l #	73
16) Acetone	4.447	43	10635	7.729	ug/l	95
17) Carbon Disulfide	4.735	76	6983	1.170	ug/l #	75
25) 2-Butanone	7.500	43	2043	0.913	ug/l	95
31) Cyclohexane	8.235	56	3634	0.864	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	14557	4.249	ug/l #	48
37) Ethyl Acetate	7.500	43	2043	0.468	ug/l #	66
38) Carbon Tetrachloride	8.235	117	18238	5.423	ug/l #	17
51) 4-Methyl-2-Pentanone	10.570	43	1659	0.394	ug/l #	1
71) Bromoform	12.847	173	911	0.497	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	77207	19.399	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77207	44.655	ug/l #	16

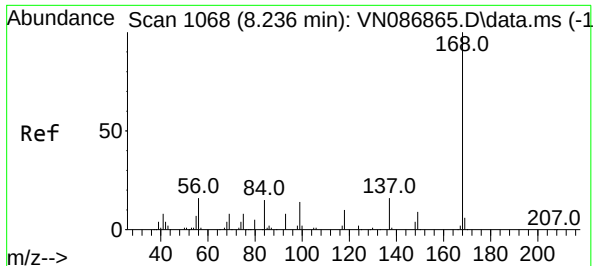
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 00:31:27 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

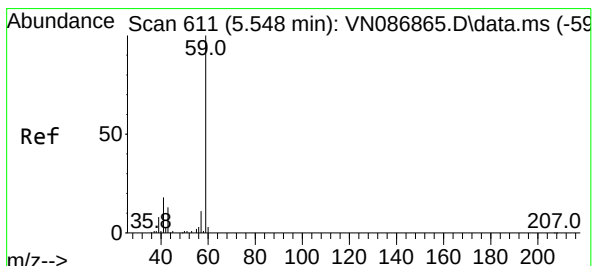
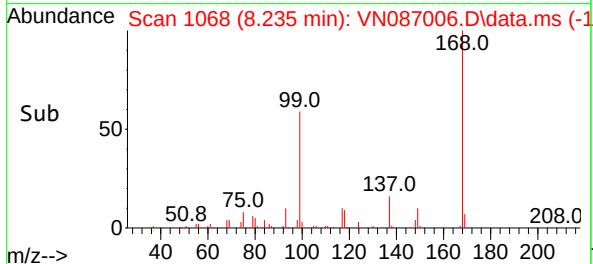
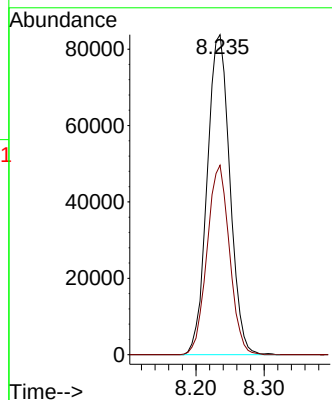
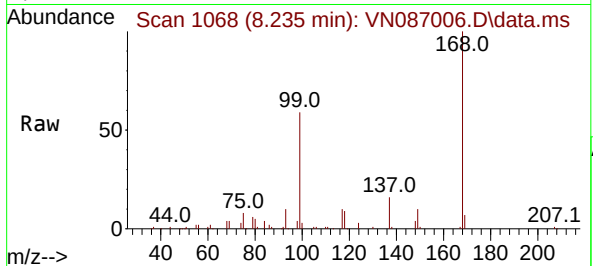




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

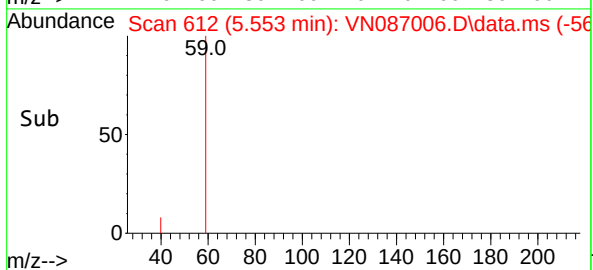
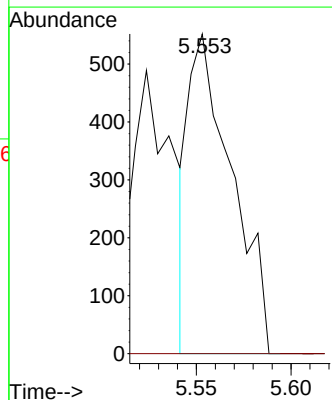
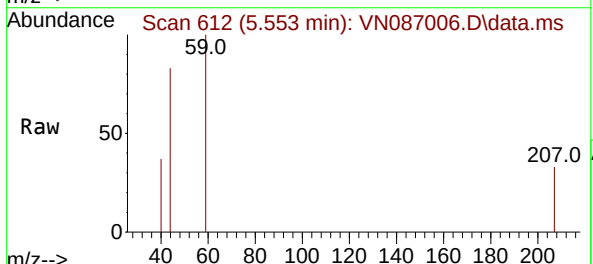
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

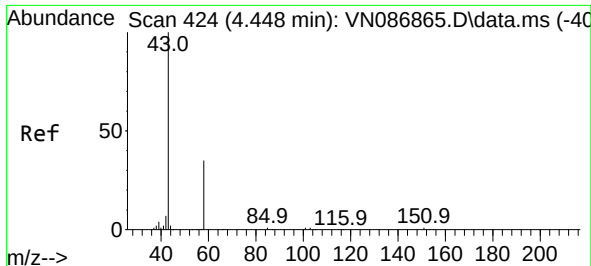
Tgt Ion:168 Resp: 193783
Ion Ratio Lower Upper
168 100
99 59.2 49.1 73.7



#11
Tert butyl alcohol
Concen: 1.246 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 59 Resp: 877
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#16

Acetone

Concen: 7.729 ug/l

RT: 4.447 min Scan# 41

Delta R.T. -0.000 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

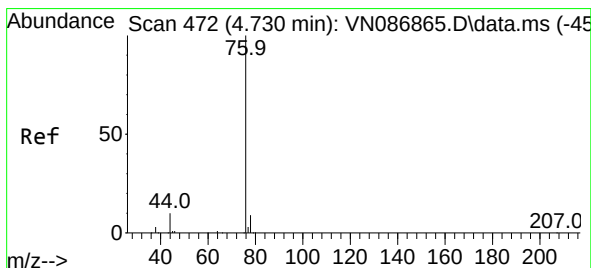
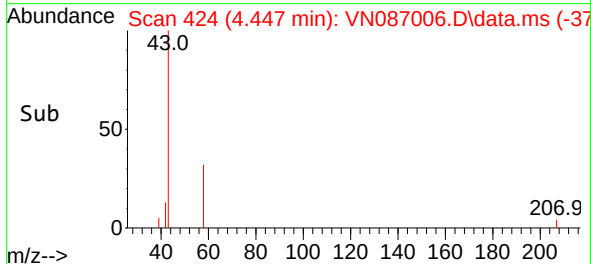
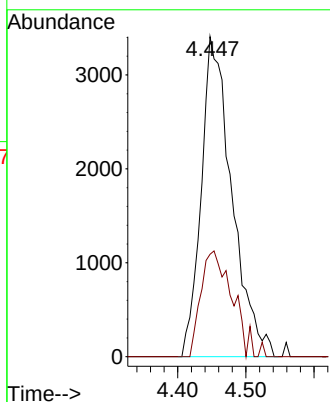
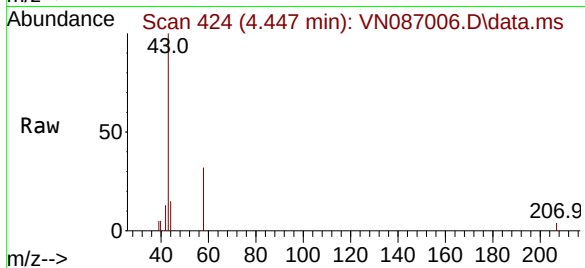
BP-VPB-182-GW-820-822

Tgt Ion: 43 Resp: 10635

Ion Ratio Lower Upper

43 100

58 32.0 28.0 42.0



#17

Carbon Disulfide

Concen: 1.170 ug/l

RT: 4.735 min Scan# 473

Delta R.T. 0.006 min

Lab File: VN087006.D

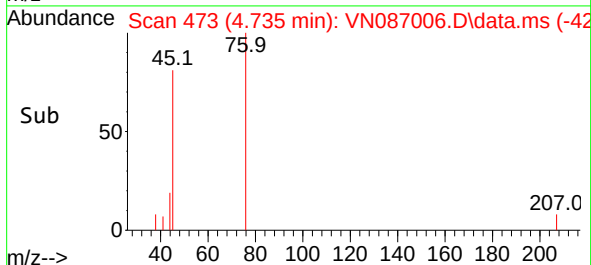
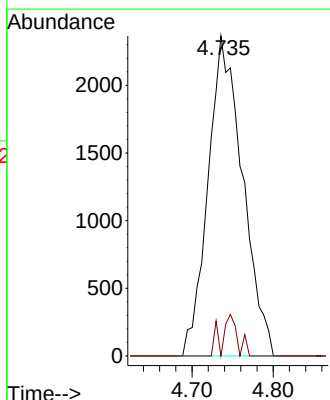
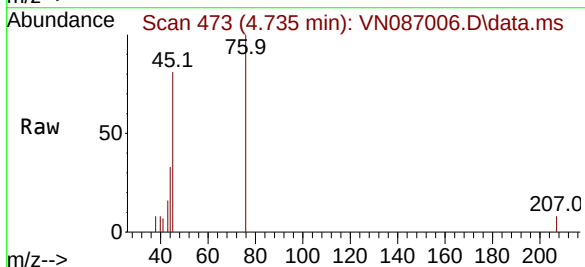
Acq: 13 Jun 2025 16:56

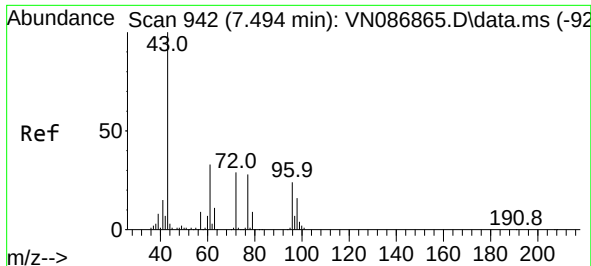
Tgt Ion: 76 Resp: 6983

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#

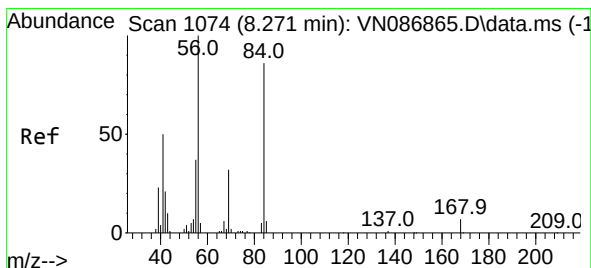
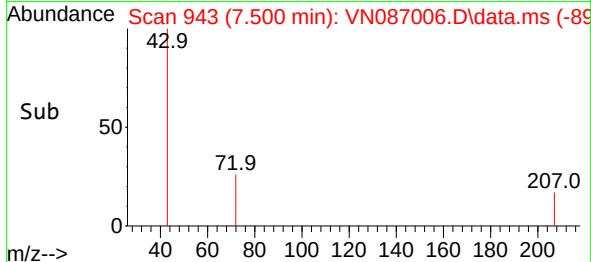
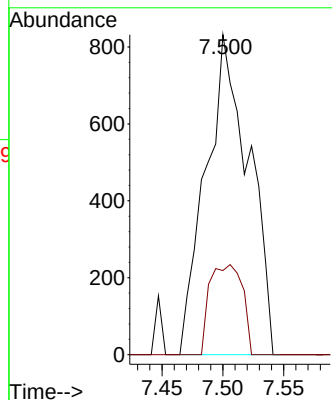
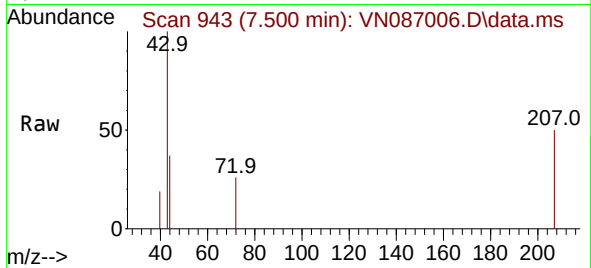




#25
2-Butanone
Concen: 0.913 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

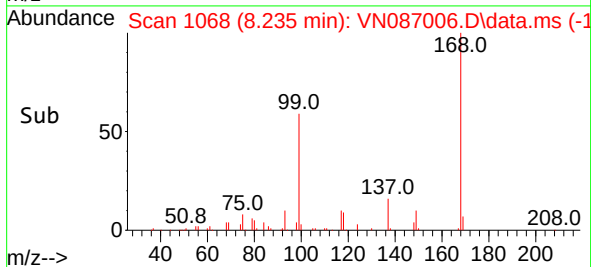
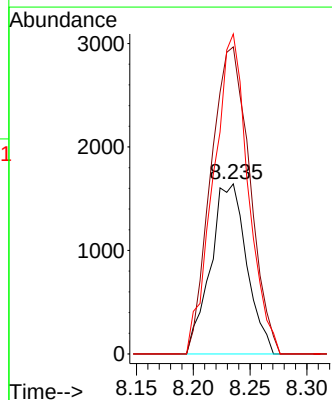
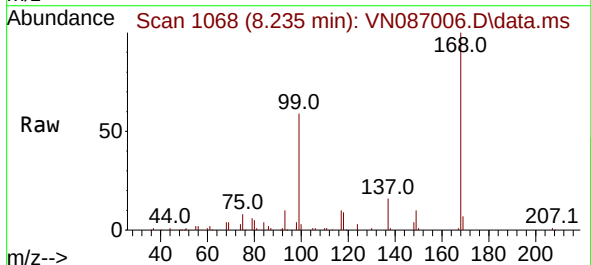
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

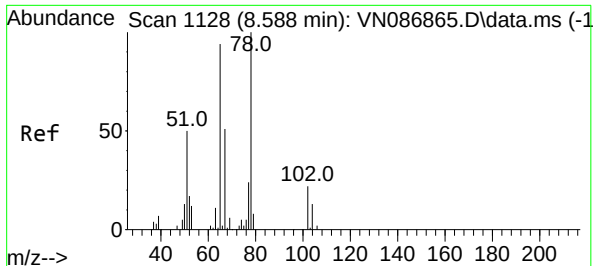
Tgt Ion: 43 Resp: 2043
Ion Ratio Lower Upper
43 100
72 26.3 23.0 34.6



#31
Cyclohexane
Concen: 0.864 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.036 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 56 Resp: 3634
Ion Ratio Lower Upper
56 100
69 180.6 25.4 38.0#
84 188.2 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.953 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

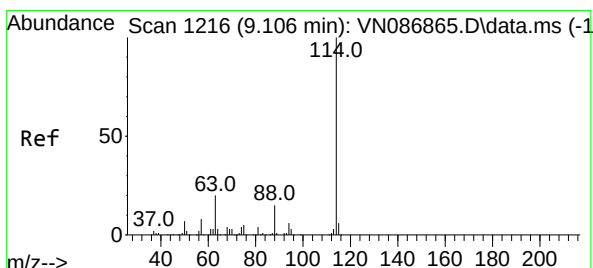
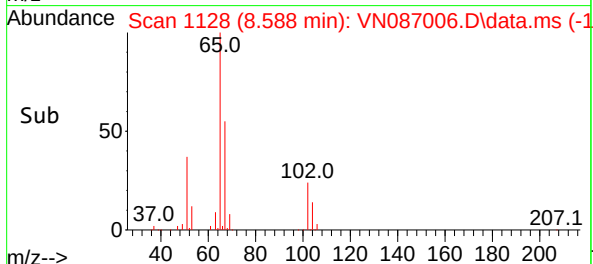
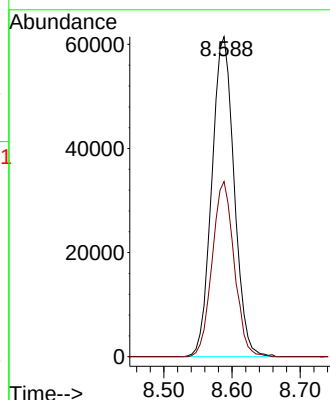
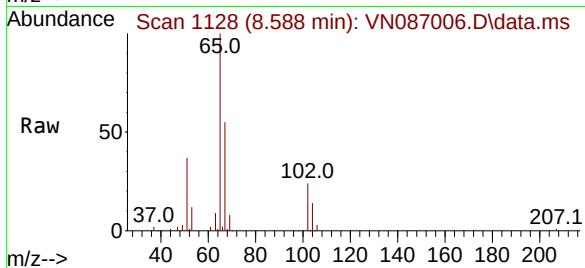
BP-VPB-182-GW-820-822

Tgt Ion: 65 Resp: 139982

Ion Ratio Lower Upper

65 100

67 54.1 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: VN087006.D

Acq: 13 Jun 2025 16:56

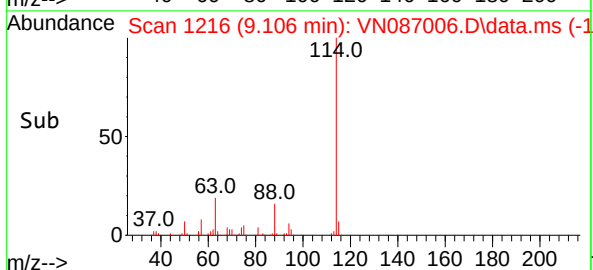
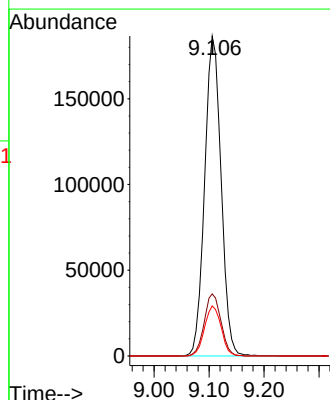
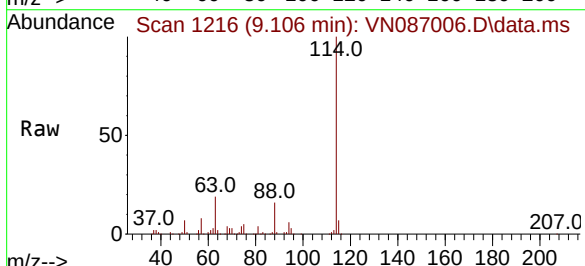
Tgt Ion: 114 Resp: 387947

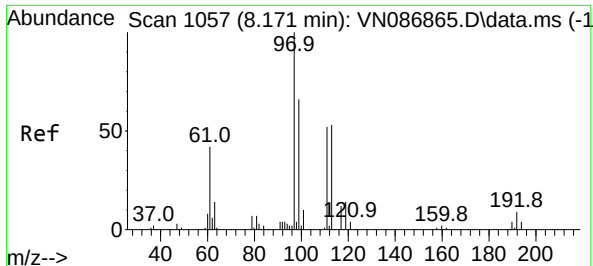
Ion Ratio Lower Upper

114 100

63 19.4 0.0 39.6

88 15.6 0.0 30.2

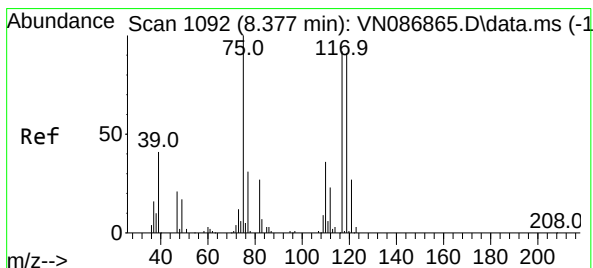
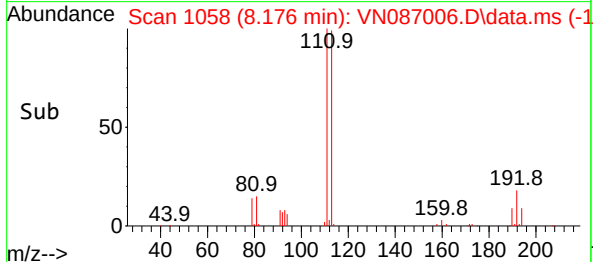
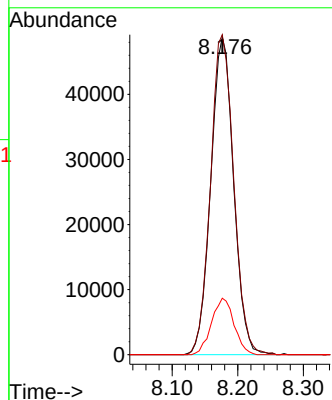
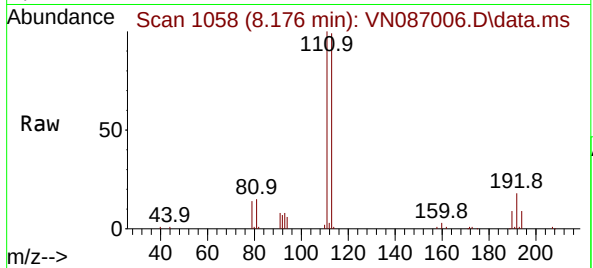




#35
Dibromofluoromethane
Concen: 51.218 ug/l
RT: 8.176 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

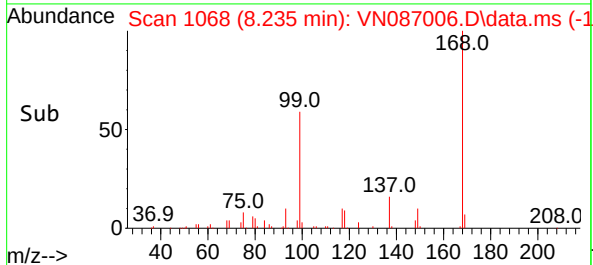
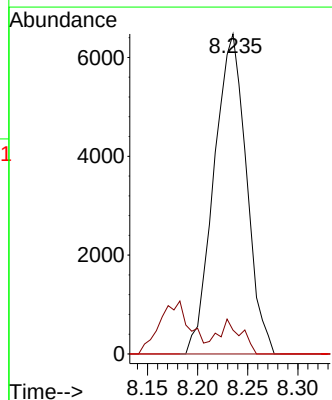
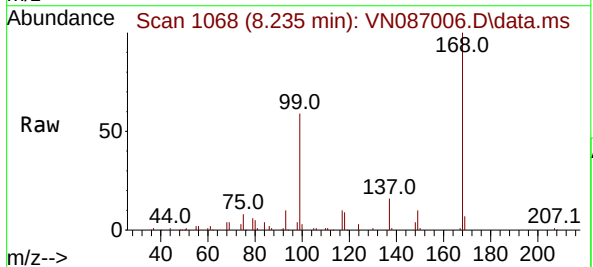
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

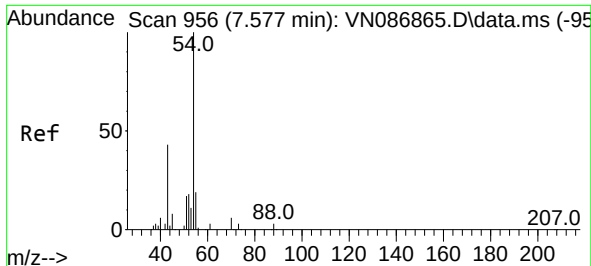
Tgt Ion:113 Resp: 117753
Ion Ratio Lower Upper
113 100
111 102.5 84.2 126.2
192 17.5 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.249 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.142 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 75 Resp: 14557
Ion Ratio Lower Upper
75 100
110 7.3 17.6 52.9#
77 0.0 25.3 37.9#





#37

Ethyl Acetate

Concen: 0.468 ug/l

RT: 7.500 min Scan# 943

Delta R.T. -0.077 min

Lab File: VN087006.D

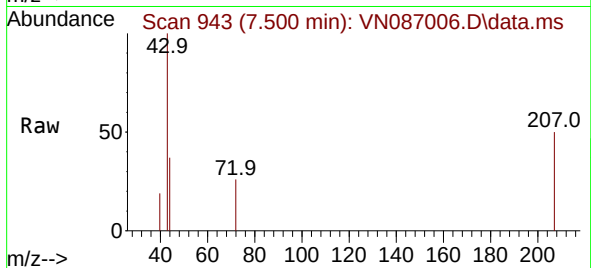
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Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-GW-820-822



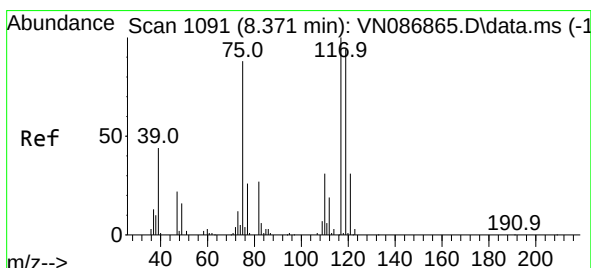
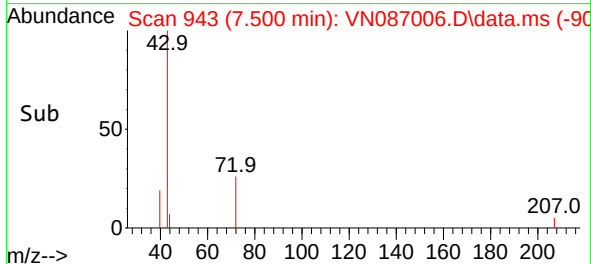
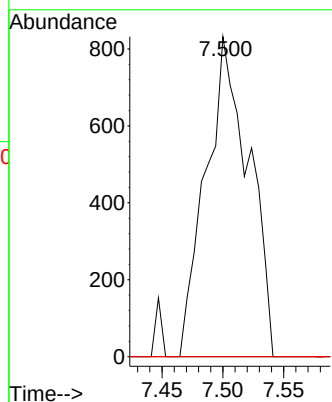
Tgt Ion: 43 Resp: 2043

Ion Ratio Lower Upper

43 100

61 0.0 12.1 18.1#

70 0.0 9.8 14.6#



#38

Carbon Tetrachloride

Concen: 5.423 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.136 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

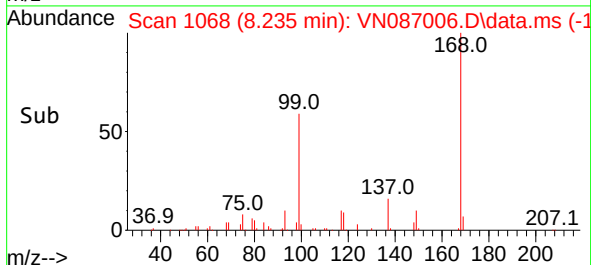
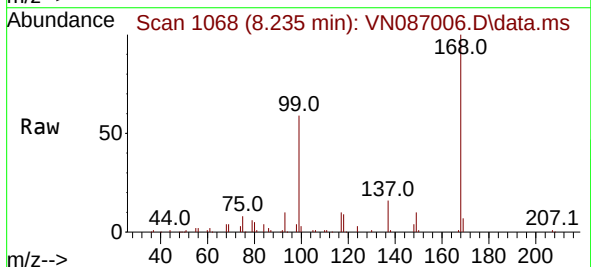
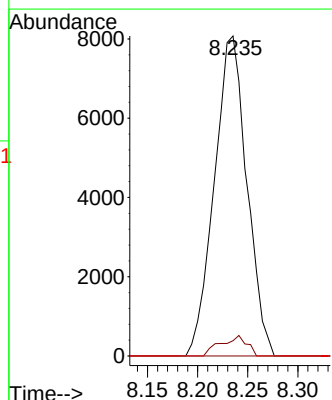
Tgt Ion: 117 Resp: 18238

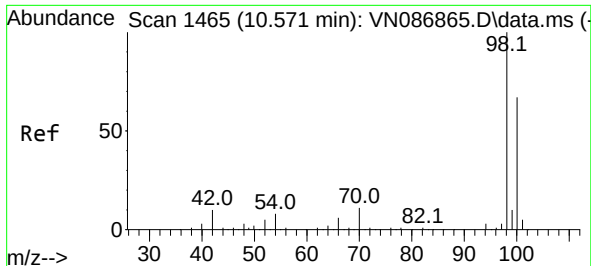
Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 24.9 37.3#

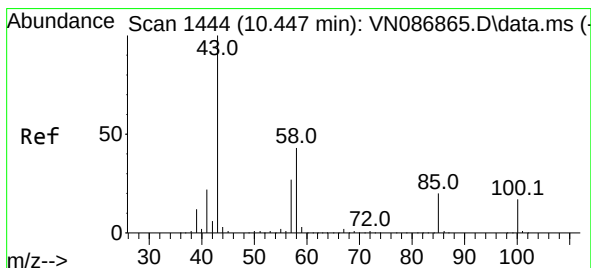
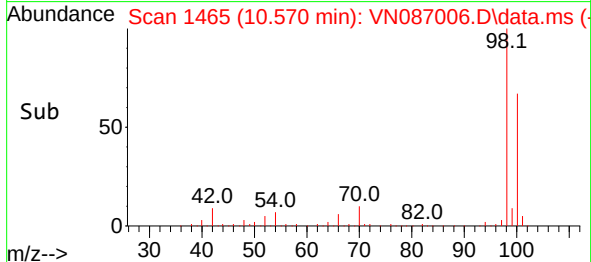
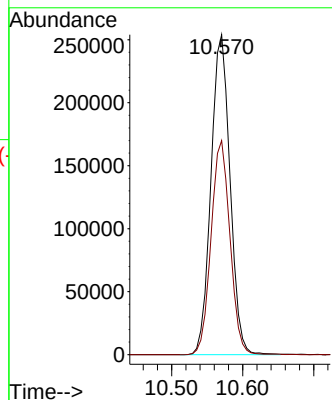
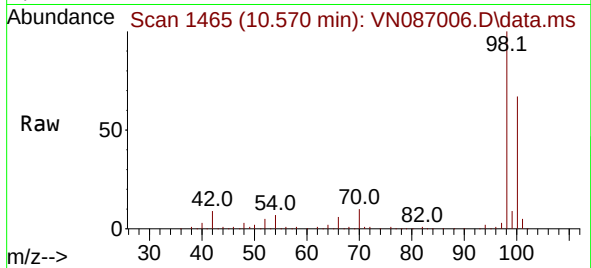




#50
Toluene-d8
Concen: 51.928 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

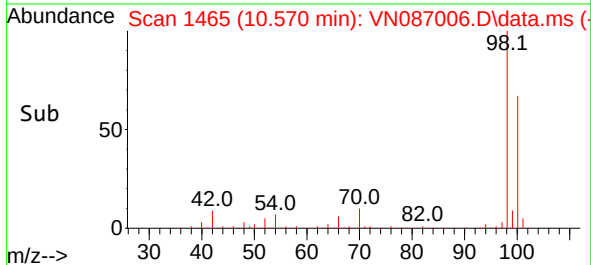
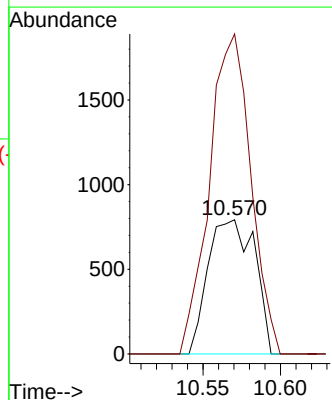
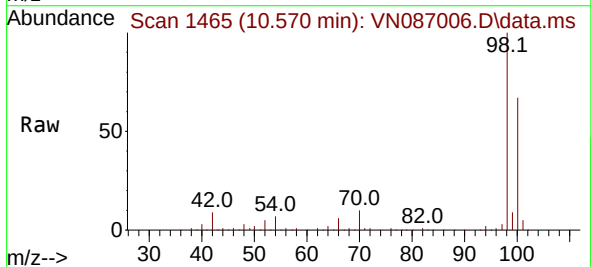
Instrument :
MSVOA_N
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BP-VPB-182-GW-820-822

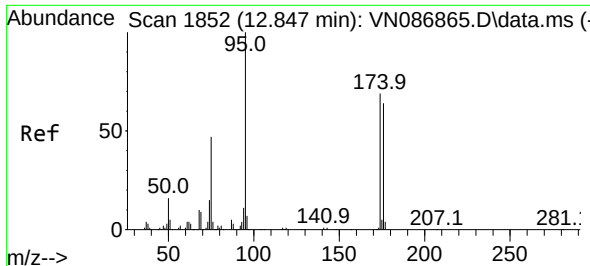
Tgt Ion: 98 Resp: 472614
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.394 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 43 Resp: 1659
Ion Ratio Lower Upper
43 100
58 211.5 34.2 51.4#

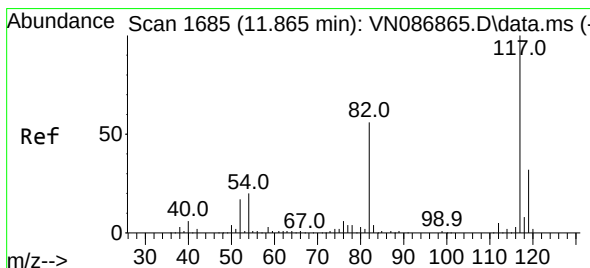
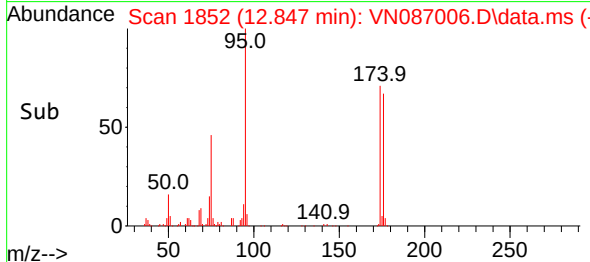
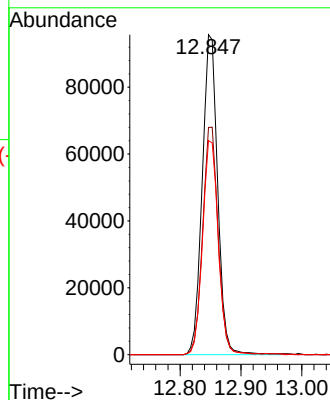
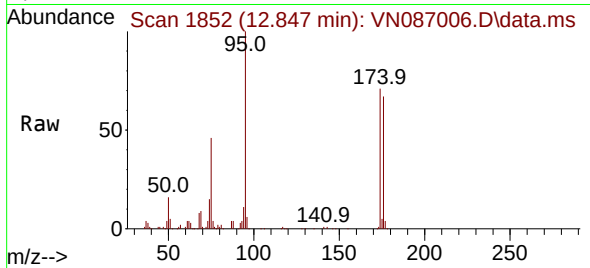




#62
4-Bromofluorobenzene
Concen: 49.772 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

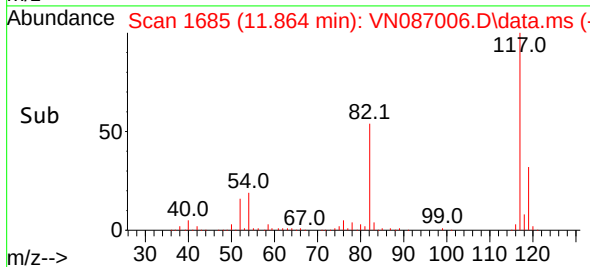
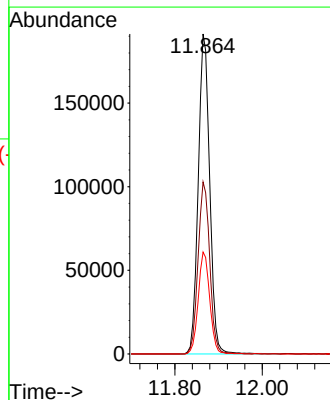
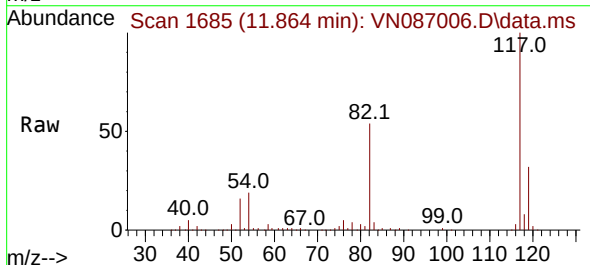
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-GW-820-822

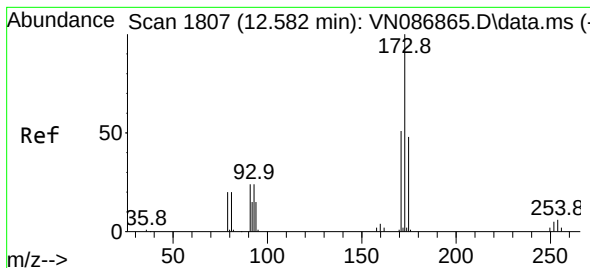
Tgt Ion: 95 Resp: 168301
Ion Ratio Lower Upper
95 100
174 71.9 0.0 141.8
176 68.1 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087006.D
Acq: 13 Jun 2025 16:56

Tgt Ion: 117 Resp: 349080
Ion Ratio Lower Upper
117 100
82 53.7 44.6 67.0
119 31.9 25.5 38.3





#71

Bromoform

Concen: 0.497 ug/l

RT: 12.847 min Scan# 1807

Delta R.T. 0.264 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-GW-820-822

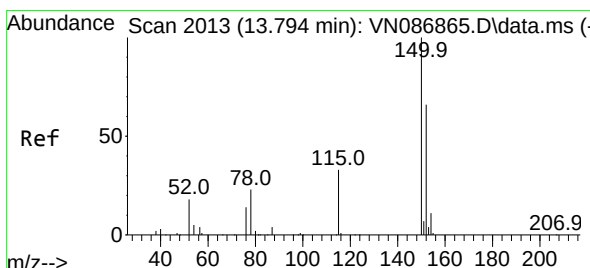
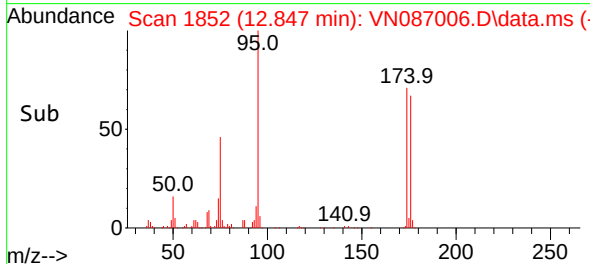
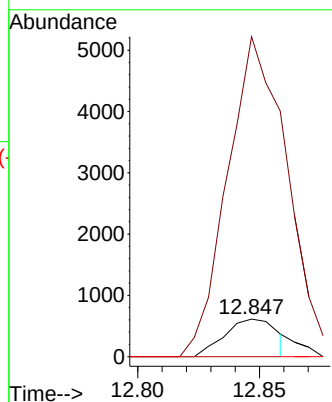
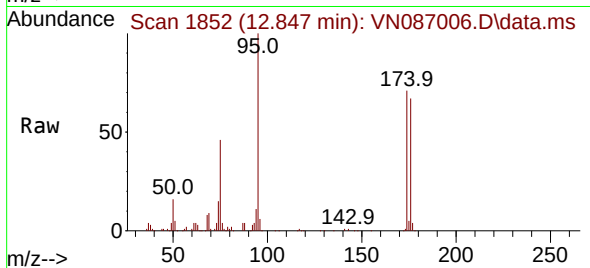
Tgt Ion:173 Resp: 911

Ion Ratio Lower Upper

173 100

175 828.6 24.1 72.4#

254 0.0 0.0 0.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.794 min Scan# 2013

Delta R.T. -0.000 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

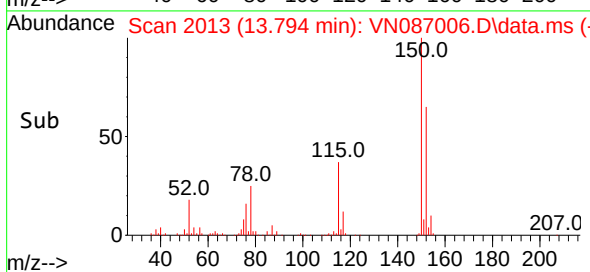
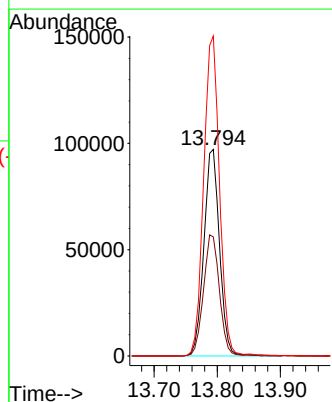
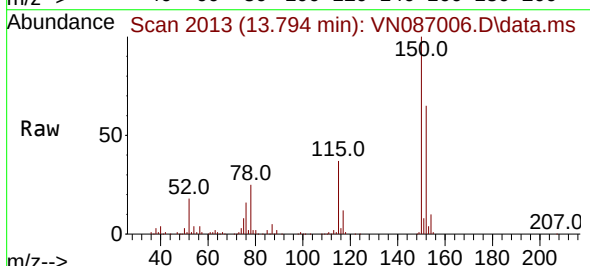
Tgt Ion:152 Resp: 167434

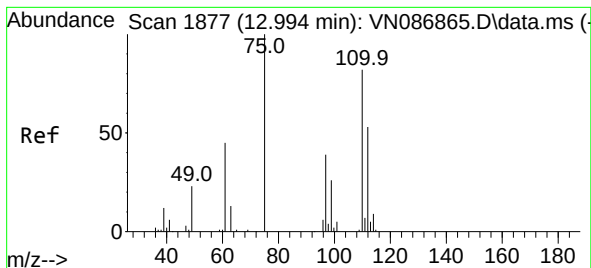
Ion Ratio Lower Upper

152 100

115 59.8 30.1 90.5

150 156.9 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.399 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

Instrument :

MSVOA_N

ClientSampleId :

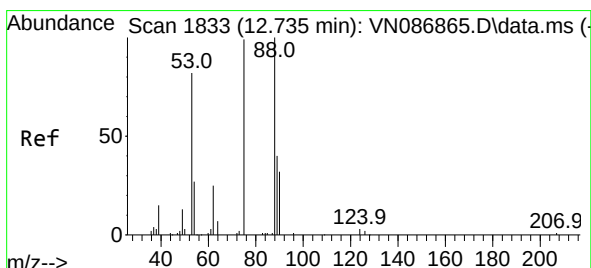
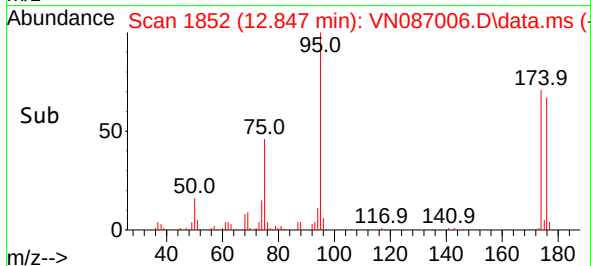
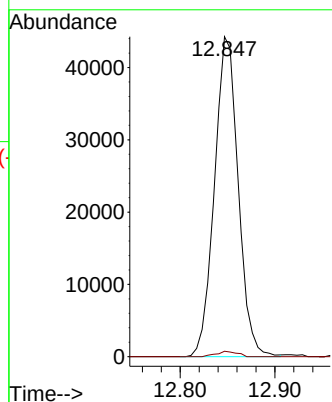
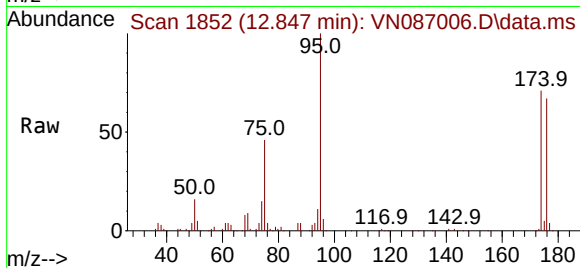
BP-VPB-182-GW-820-822

Tgt Ion: 75 Resp: 77207

Ion Ratio Lower Upper

75 100

77 1.5 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 44.655 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.111 min

Lab File: VN087006.D

Acq: 13 Jun 2025 16:56

Tgt Ion: 75 Resp: 77207

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

