

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087007.D
 Acq On : 13 Jun 2025 17:18
 Operator : JC\MD
 Sample : Q2314-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250612

Quant Time: Jun 14 00:31:49 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)

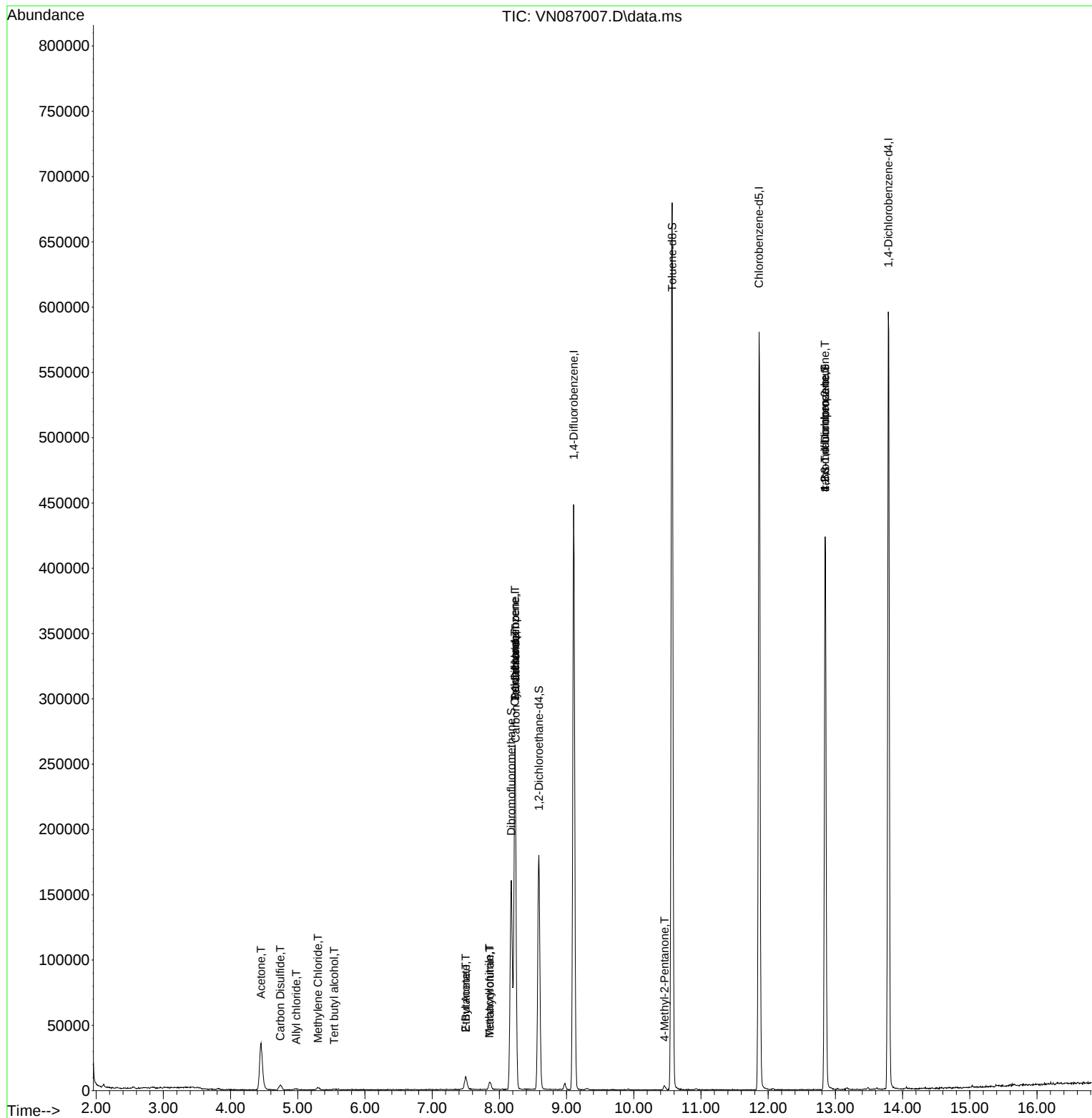
Internal Standards						
1) Pentafluorobenzene	8.236	168	207748	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	404853	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	368221	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	177791	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145112	52.170	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 104.340%			
35) Dibromofluoromethane	8.177	113	122540	51.074	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.140%			
50) Toluene-d8	10.571	98	498466	52.481	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.960%			
62) 4-Bromofluorobenzene	12.847	95	177650	50.343	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 100.680%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.542	59	1222	1.619	ug/l #	73
14) Allyl chloride	4.977	41	1685	0.439	ug/l #	30
16) Acetone	4.453	43	70313	47.668	ug/l	97
17) Carbon Disulfide	4.742	76	2908	0.455	ug/l #	75
20) Methylene Chloride	5.300	84	1578	0.571	ug/l #	83
25) 2-Butanone	7.500	43	18392	7.671	ug/l	91
29) Tetrahydrofuran	7.859	42	4879	3.124	ug/l	99
31) Cyclohexane	8.230	56	3713	0.823	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	15824	4.426	ug/l #	48
37) Ethyl Acetate	7.500	43	18392	4.041	ug/l #	66
38) Carbon Tetrachloride	8.241	117	20447	5.825	ug/l #	16
41) Methacrylonitrile	7.853	41	2754	1.077	ug/l #	38
51) 4-Methyl-2-Pentanone	10.459	43	3219	0.732	ug/l	95
76) 1,2,3-Trichloropropane	12.847	75	83107	19.665	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83107	45.268	ug/l #	16

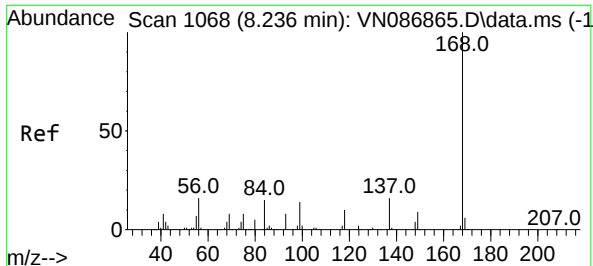
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 14 00:31:49 2025
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

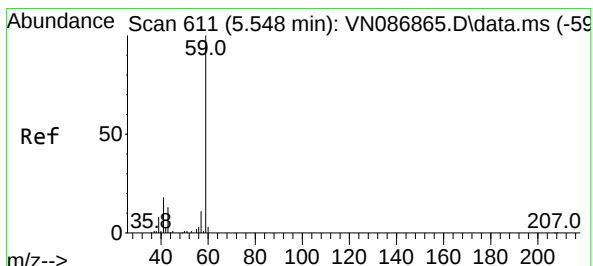
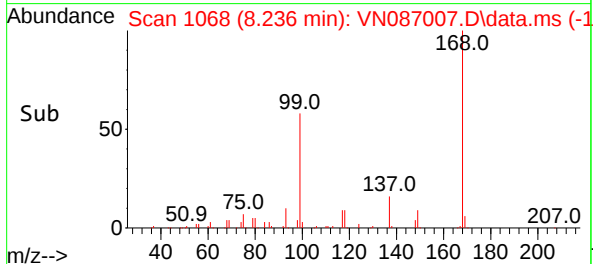
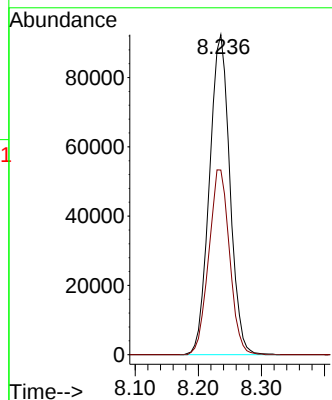
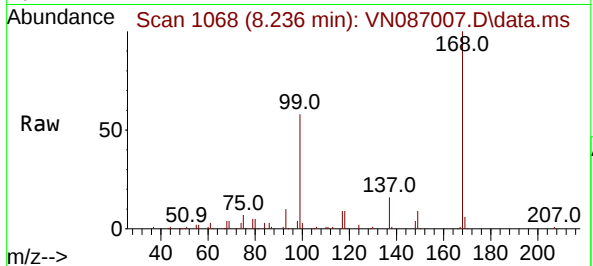




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

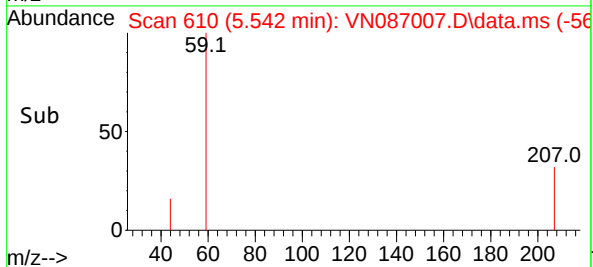
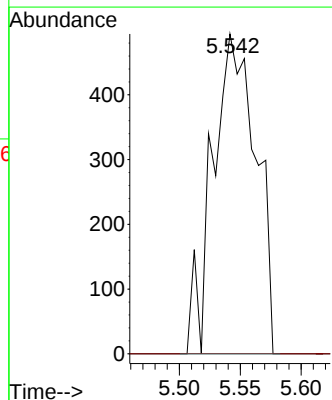
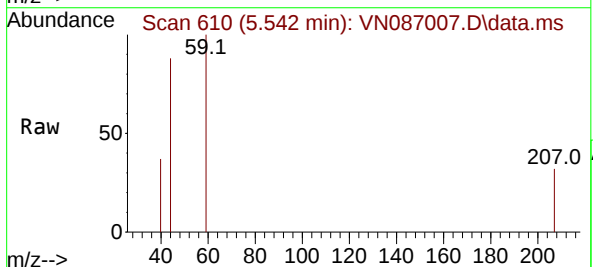
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

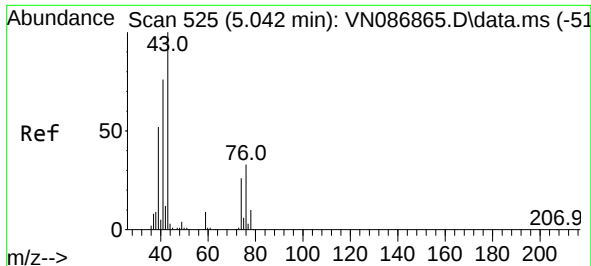
Tgt Ion:168 Resp: 207748
Ion Ratio Lower Upper
168 100
99 57.7 49.1 73.7



#11
Tert butyl alcohol
Concen: 1.619 ug/l
RT: 5.542 min Scan# 610
Delta R.T. -0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 59 Resp: 1222
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

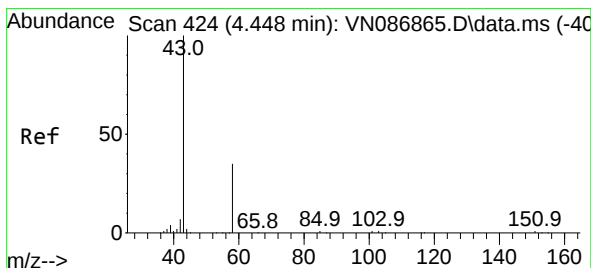
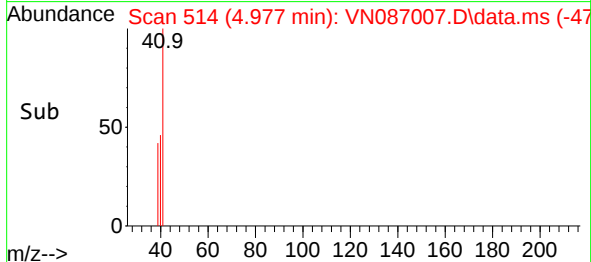
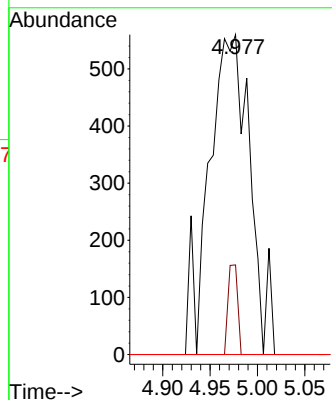
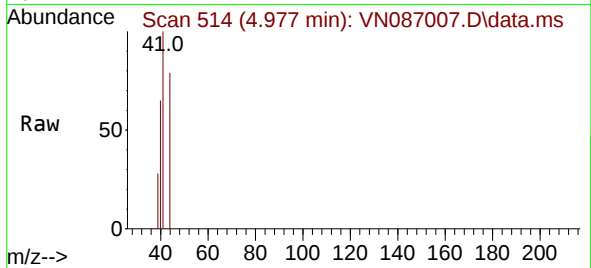




#14
 Allyl chloride
 Concen: 0.439 ug/l
 RT: 4.977 min Scan# 514
 Delta R.T. -0.065 min
 Lab File: VN087007.D
 Acq: 13 Jun 2025 17:18

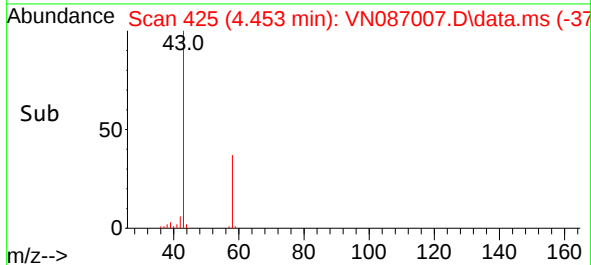
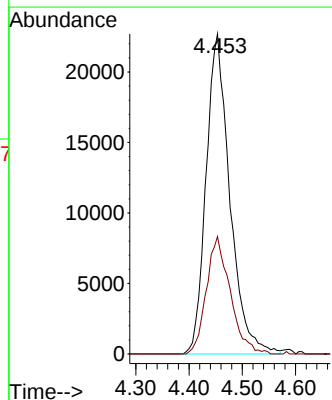
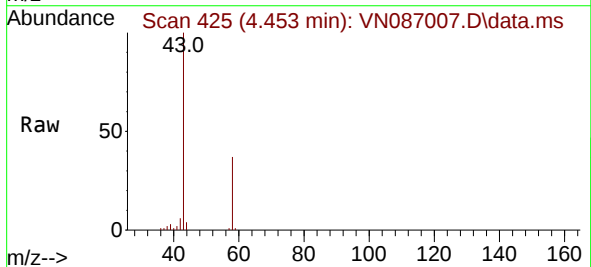
Instrument :
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 ClientSampleId :
 BP-VPB-182-EB-20250612

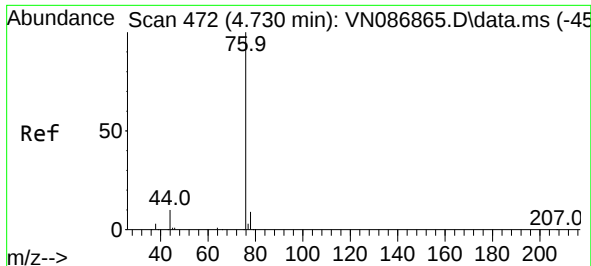
Tgt Ion: 41 Resp: 1685
 Ion Ratio Lower Upper
 41 100
 39 6.5 51.3 76.9#
 76 0.0 31.4 47.0#



#16
 Acetone
 Concen: 47.668 ug/l
 RT: 4.453 min Scan# 425
 Delta R.T. 0.006 min
 Lab File: VN087007.D
 Acq: 13 Jun 2025 17:18

Tgt Ion: 43 Resp: 70313
 Ion Ratio Lower Upper
 43 100
 58 36.7 28.0 42.0

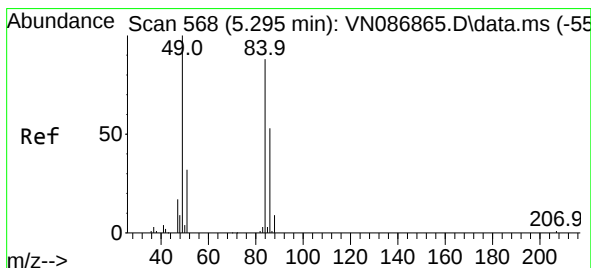
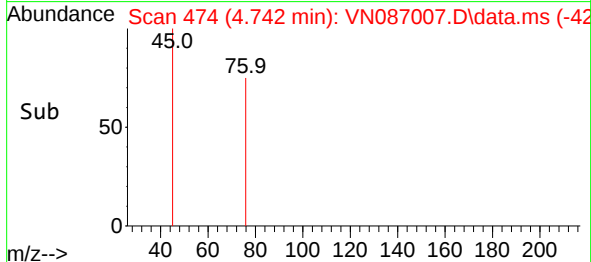
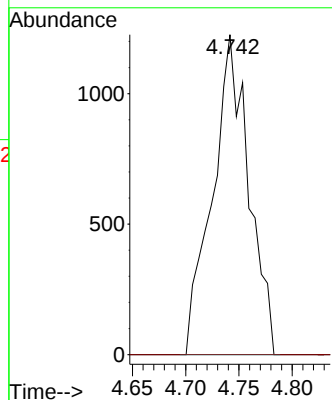
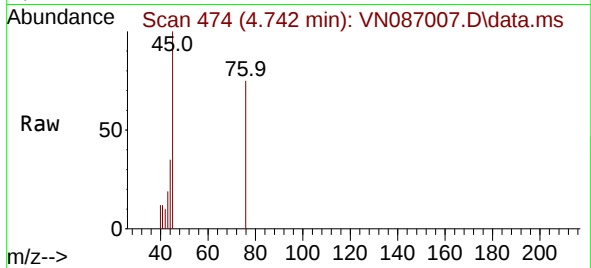




#17
Carbon Disulfide
Concen: 0.455 ug/l
RT: 4.742 min Scan# 474
Delta R.T. 0.012 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

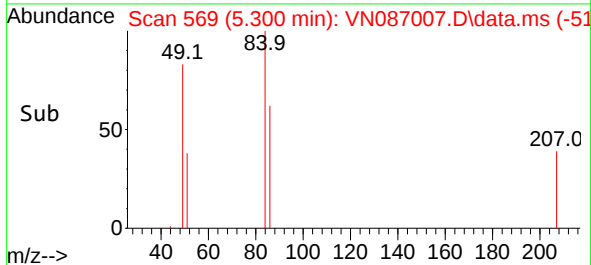
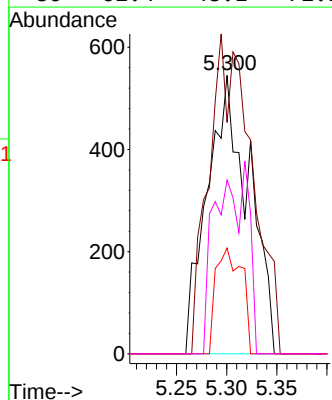
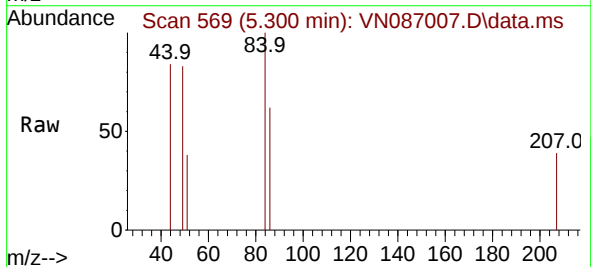
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

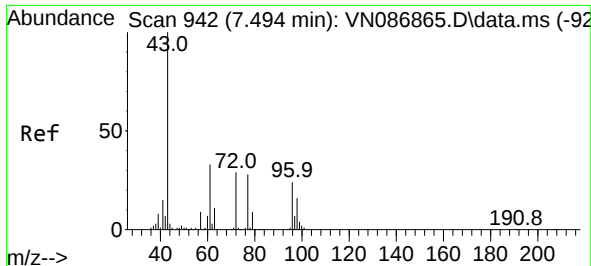
Tgt Ion: 76 Resp: 2908
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



#20
Methylene Chloride
Concen: 0.571 ug/l
RT: 5.300 min Scan# 569
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 84 Resp: 1578
Ion Ratio Lower Upper
84 100
49 83.1 90.5 135.7#
51 38.0 28.5 42.7
86 62.4 48.1 72.1

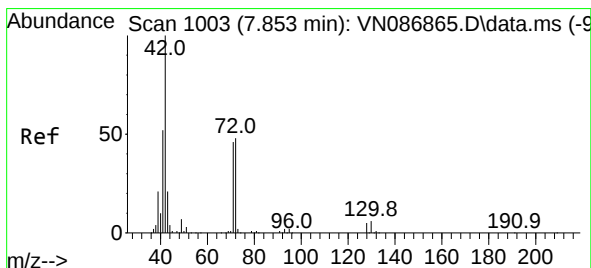
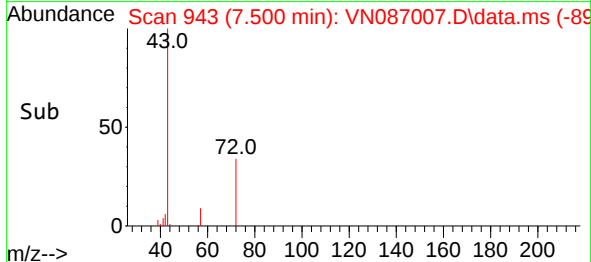
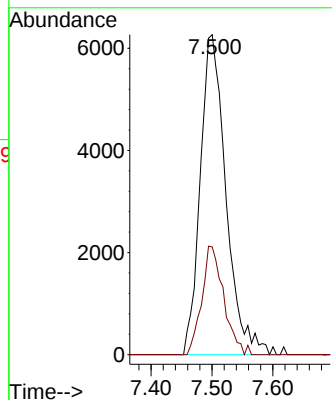
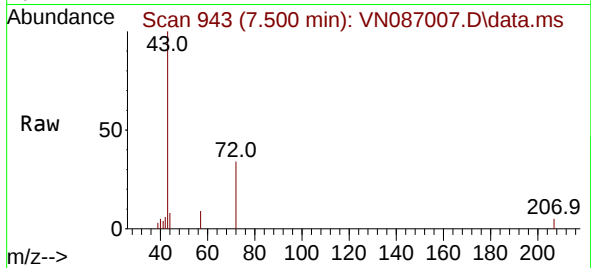




#25
2-Butanone
Concen: 7.671 ug/l
RT: 7.500 min Scan# 94
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

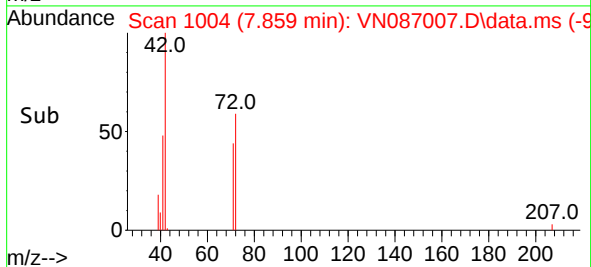
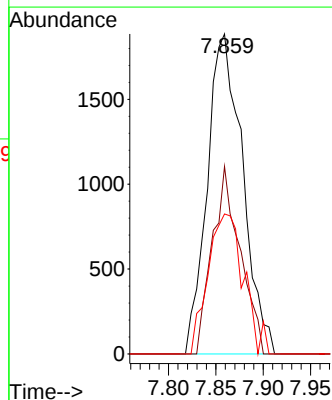
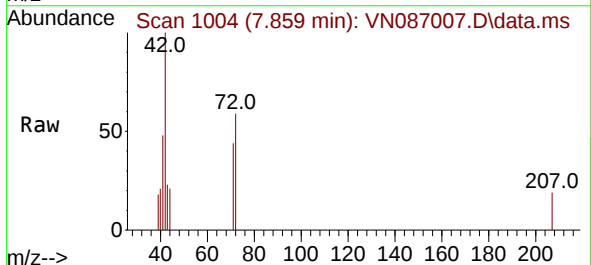
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

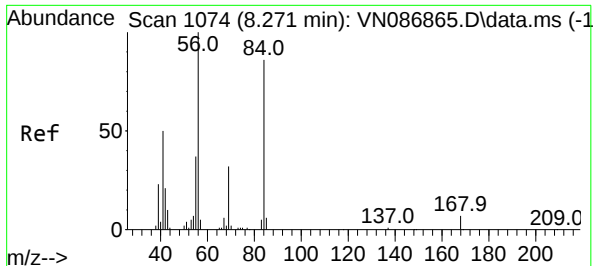
Tgt Ion: 43 Resp: 18392
Ion Ratio Lower Upper
43 100
72 33.7 23.0 34.6



#29
Tetrahydrofuran
Concen: 3.124 ug/l
RT: 7.859 min Scan# 1004
Delta R.T. 0.006 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 42 Resp: 4879
Ion Ratio Lower Upper
42 100
72 46.3 37.8 56.6
71 44.2 35.6 53.4

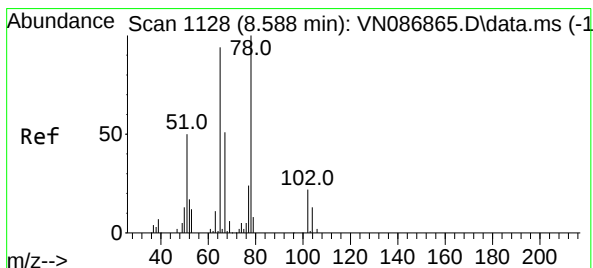
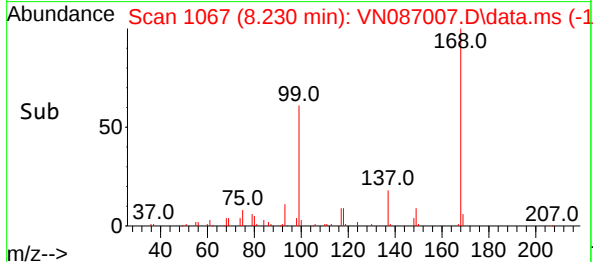
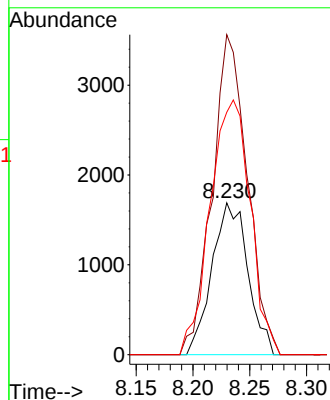
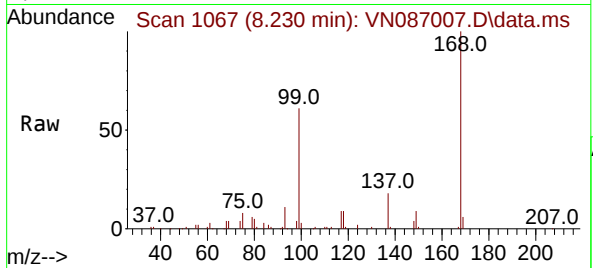




#31
Cyclohexane
Concen: 0.823 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

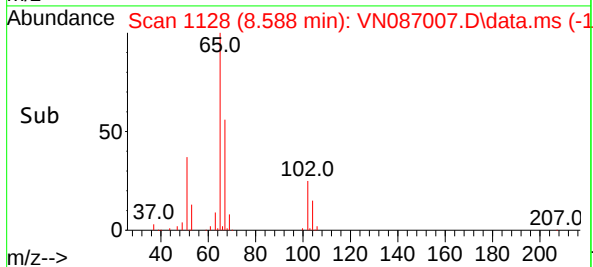
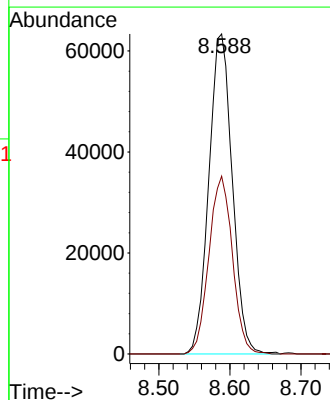
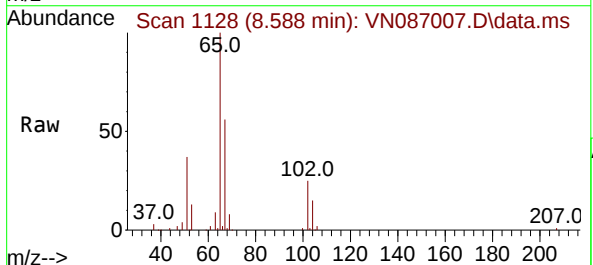
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

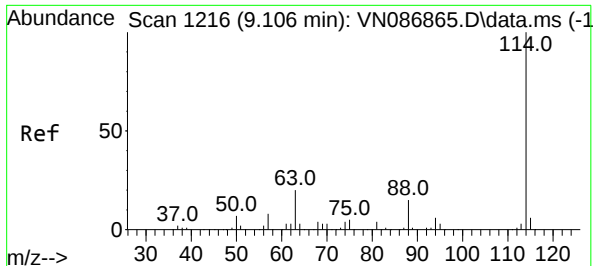
Tgt Ion: 56 Resp: 3713
Ion Ratio Lower Upper
56 100
69 210.6 25.4 38.0#
84 159.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.170 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 65 Resp: 145112
Ion Ratio Lower Upper
65 100
67 55.7 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: VN087007.D

Acq: 13 Jun 2025 17:18

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250612

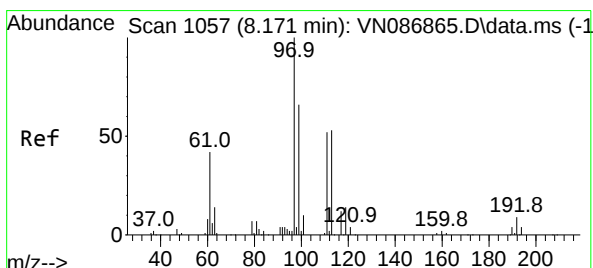
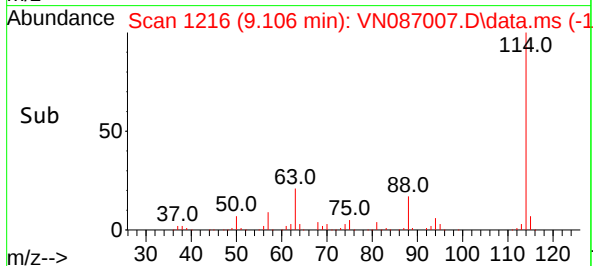
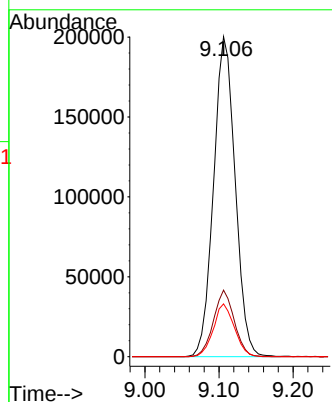
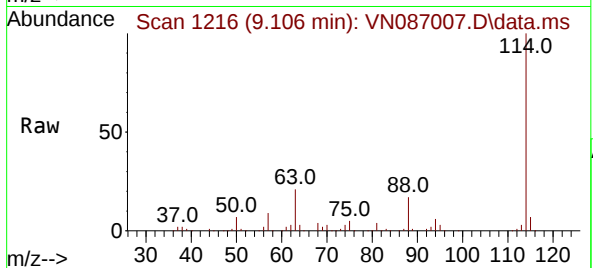
Tgt Ion:114 Resp: 404853

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 16.5 0.0 30.2



#35

Dibromofluoromethane

Concen: 51.074 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087007.D

Acq: 13 Jun 2025 17:18

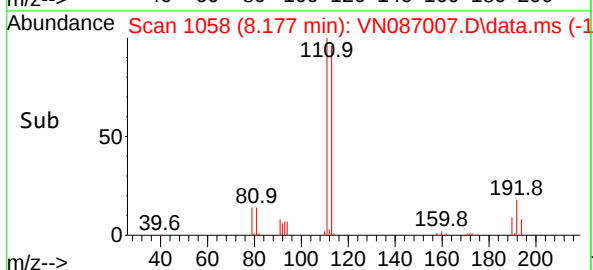
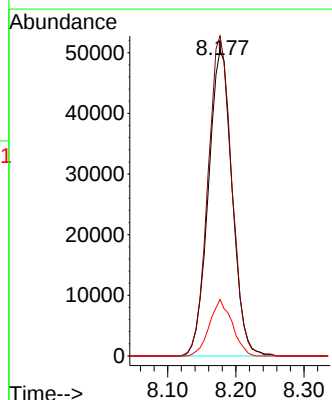
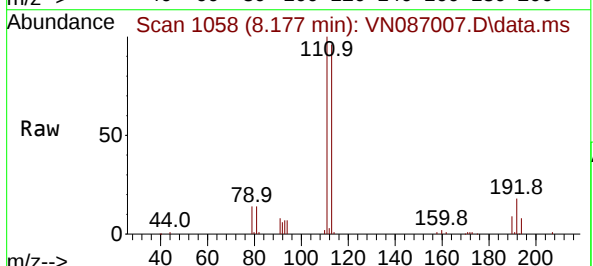
Tgt Ion:113 Resp: 122540

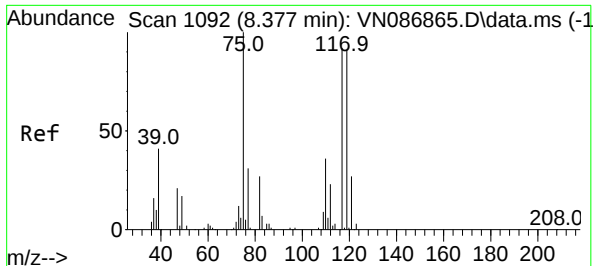
Ion Ratio Lower Upper

113 100

111 104.6 84.2 126.2

192 17.6 14.2 21.4

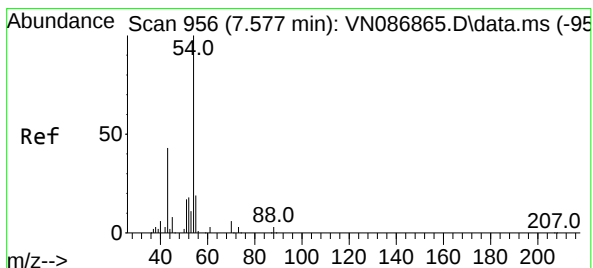
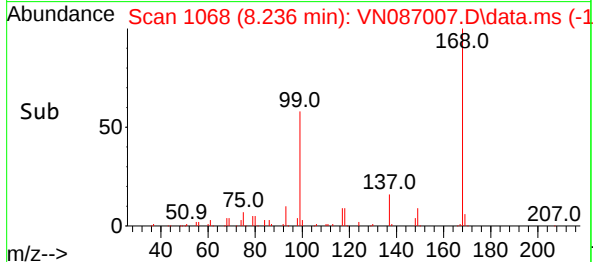
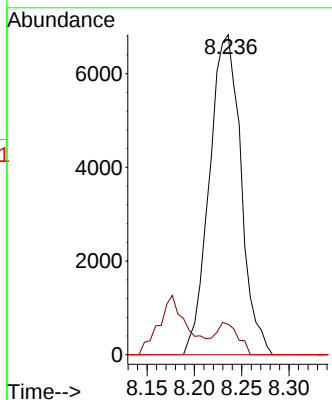
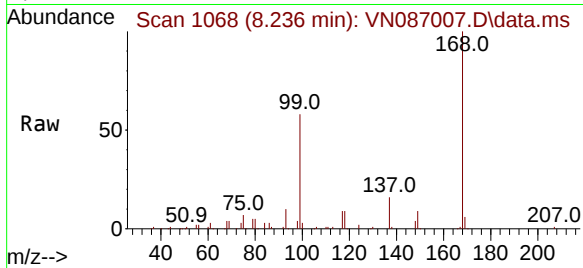




#36
1,1-Dichloropropene
Concen: 4.426 ug/l
RT: 8.236 min Scan# 1092
Delta R.T. -0.141 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

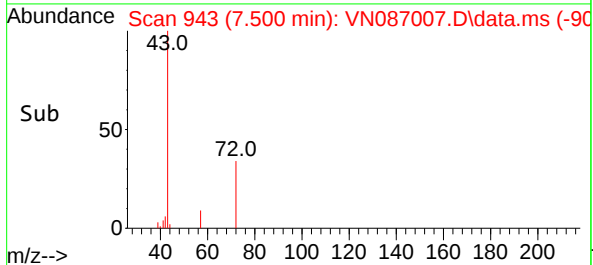
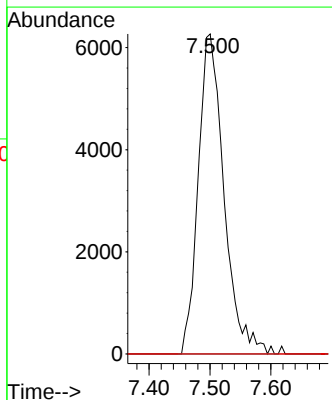
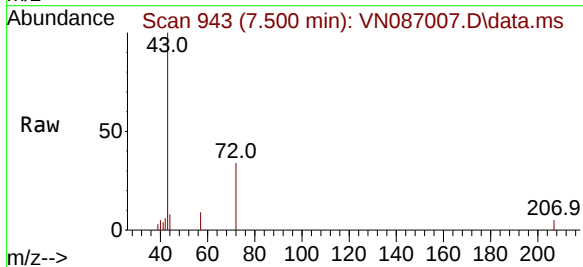
Instrument :
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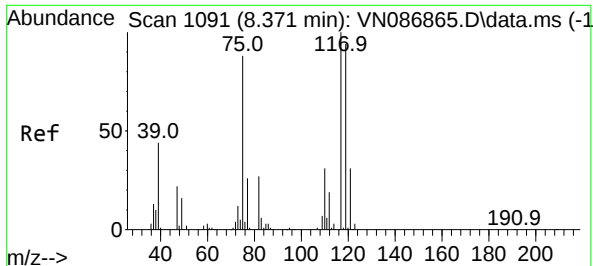
Tgt Ion: 75 Resp: 15824
Ion Ratio Lower Upper
75 100
110 7.4 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.041 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.077 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 43 Resp: 18392
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

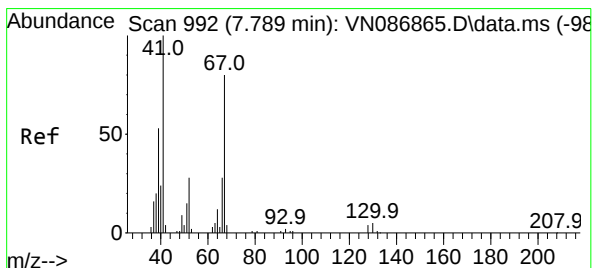
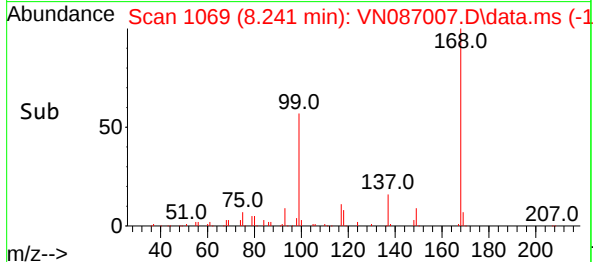
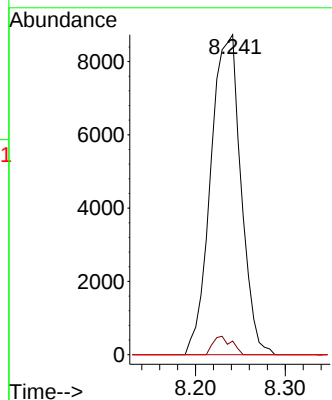
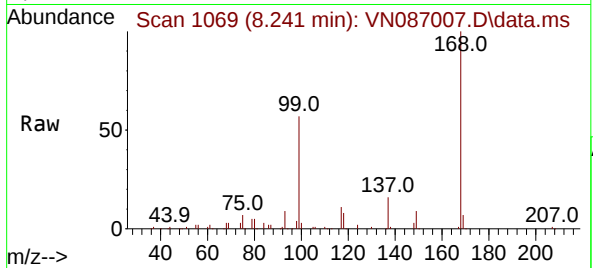




#38
Carbon Tetrachloride
Concen: 5.825 ug/l
RT: 8.241 min Scan# 1069
Delta R.T. -0.129 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

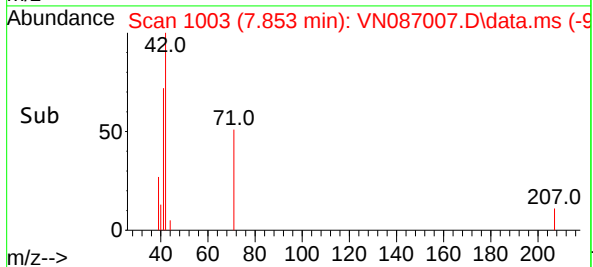
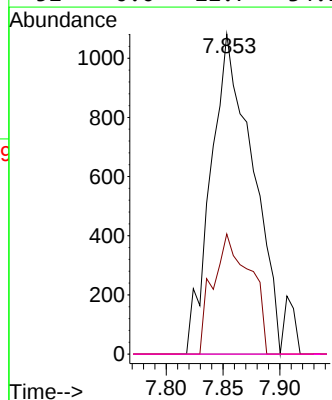
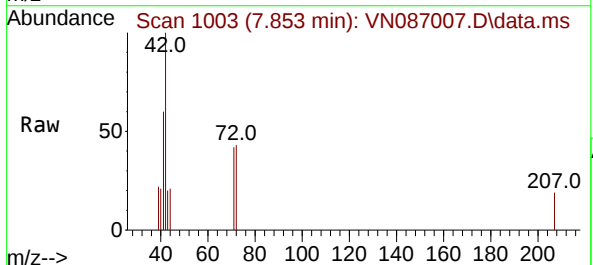
Instrument : MSVOA_N
ClientSampleId : BP-VPB-182-EB-20250612

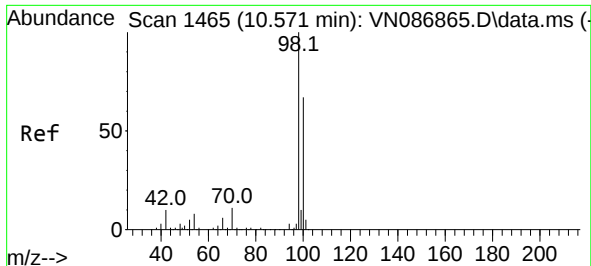
Tgt Ion: 117 Resp: 20447
Ion Ratio Lower Upper
117 100
119 4.3 75.0 112.6#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 1.077 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. 0.065 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 41 Resp: 2754
Ion Ratio Lower Upper
41 100
39 33.7 41.2 61.8#
67 0.0 61.4 92.2#
52 0.0 22.7 34.1#

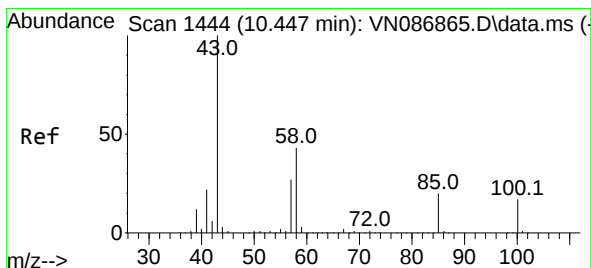
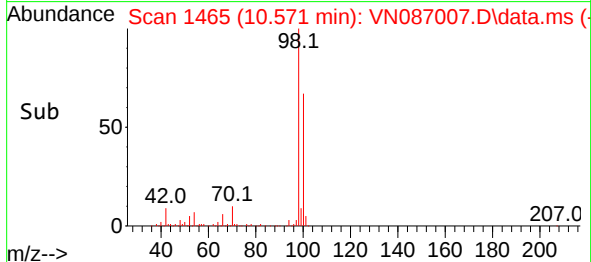
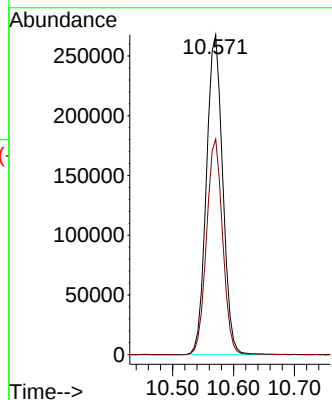
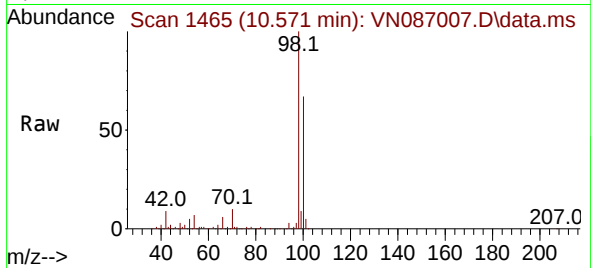




#50
Toluene-d8
Concen: 52.481 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

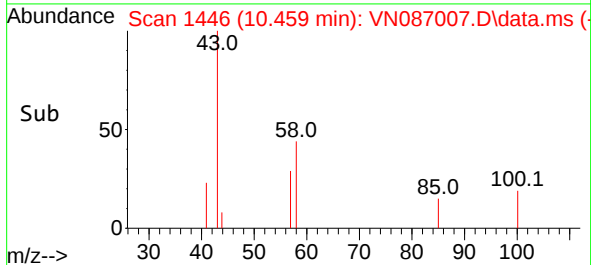
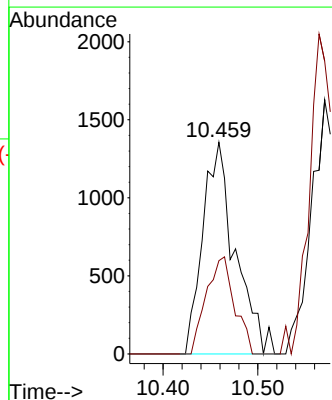
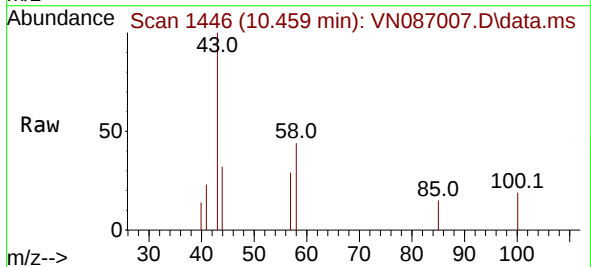
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

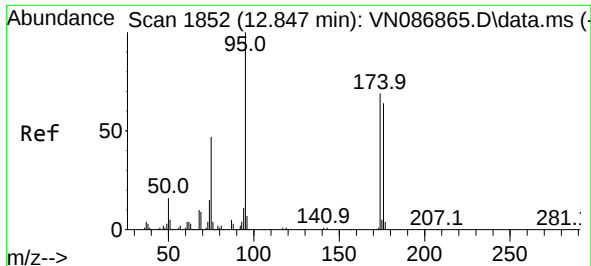
Tgt Ion: 98 Resp: 498466
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.732 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

Tgt Ion: 43 Resp: 3219
Ion Ratio Lower Upper
43 100
58 39.9 34.2 51.4

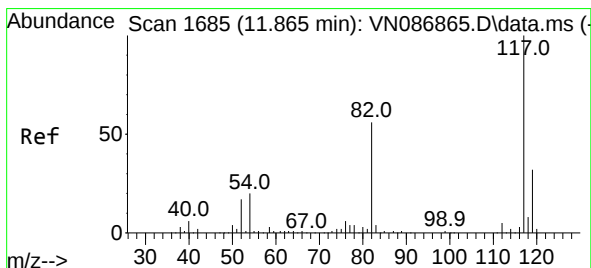
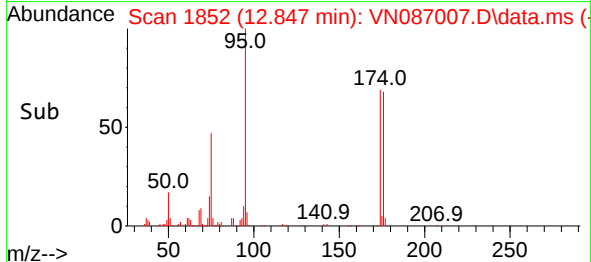
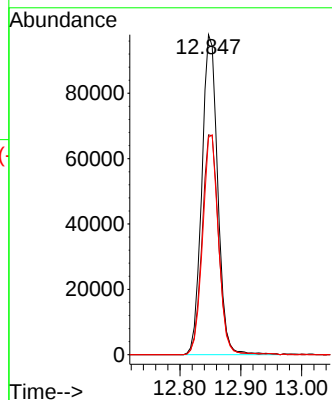
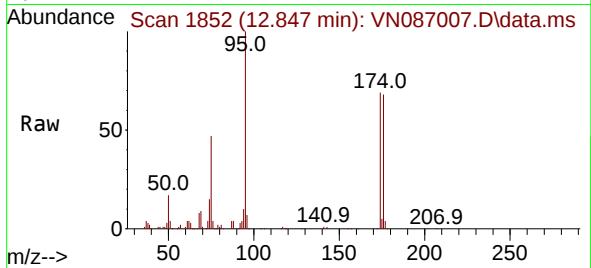




#62
4-Bromofluorobenzene
Concen: 50.343 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

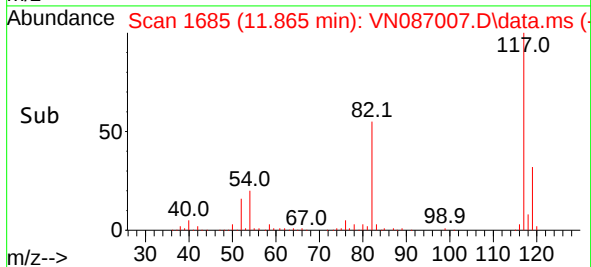
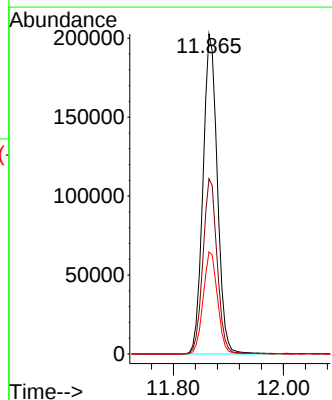
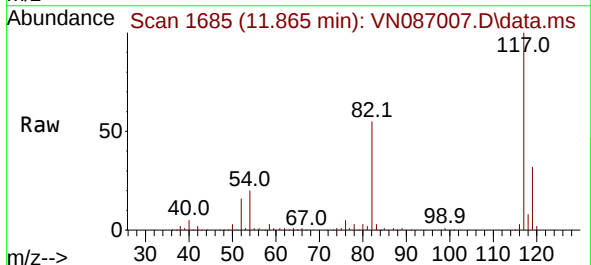
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

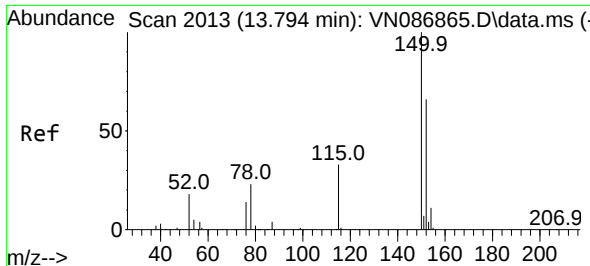
Tgt Ion: 95 Resp: 177650
Ion Ratio Lower Upper
95 100
174 71.0 0.0 141.8
176 68.2 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087007.D
Acq: 13 Jun 2025 17:18

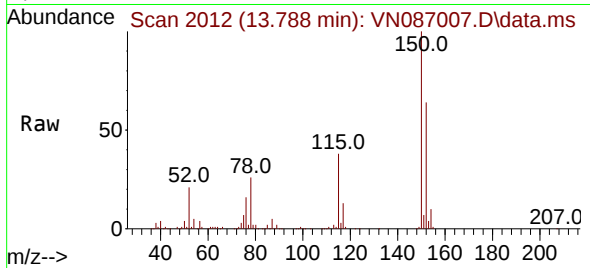
Tgt Ion: 117 Resp: 368221
Ion Ratio Lower Upper
117 100
82 54.8 44.6 67.0
119 31.9 25.5 38.3



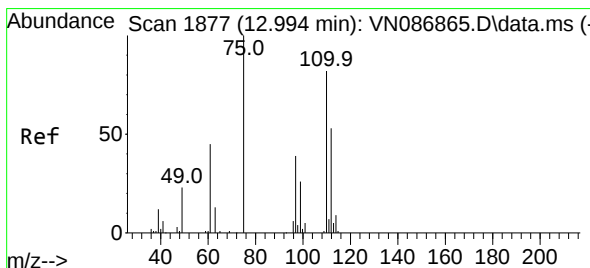
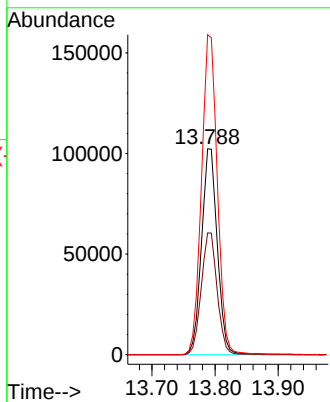
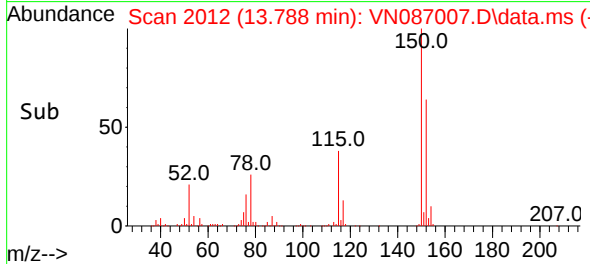


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 2013
 Delta R.T. -0.006 min
 Lab File: VN087007.D
 Acq: 13 Jun 2025 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250612

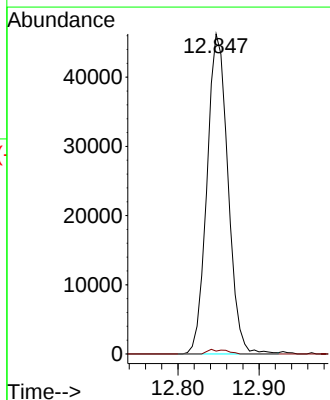
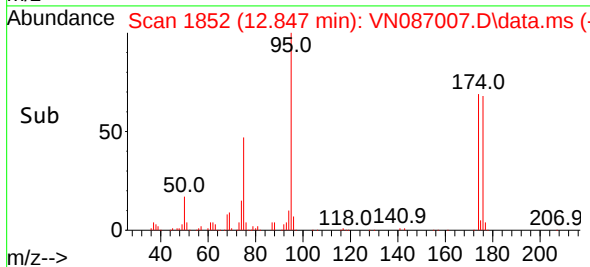
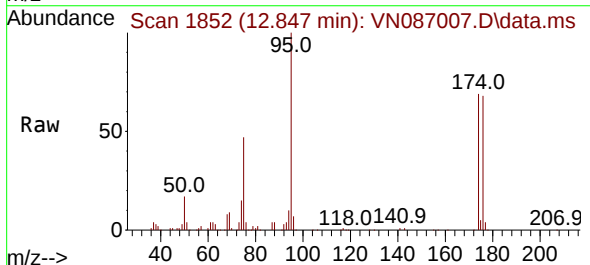


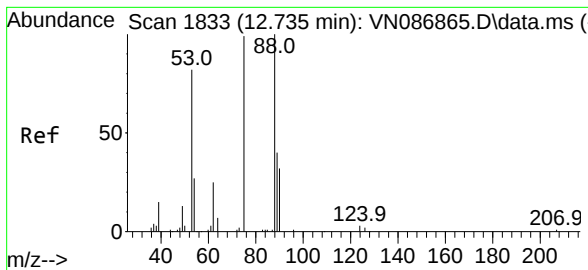
Tgt Ion:152 Resp: 177791
 Ion Ratio Lower Upper
 152 100
 115 59.6 30.1 90.5
 150 155.6 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.665 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087007.D
 Acq: 13 Jun 2025 17:18

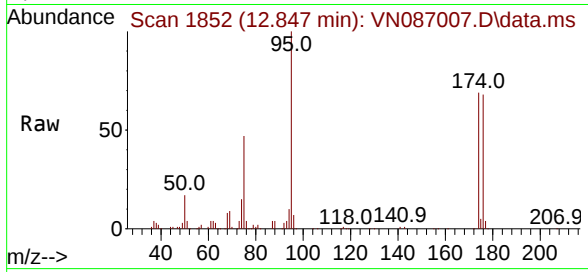
Tgt Ion: 75 Resp: 83107
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 45.268 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087007.D
 Acq: 13 Jun 2025 17:18

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250612



Tgt Ion: 75 Resp: 83107
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

