

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
 Data File : VN087004.D
 Acq On : 13 Jun 2025 16:12
 Operator : JC\MD
 Sample : Q2314-05
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 14 00:30:41 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)

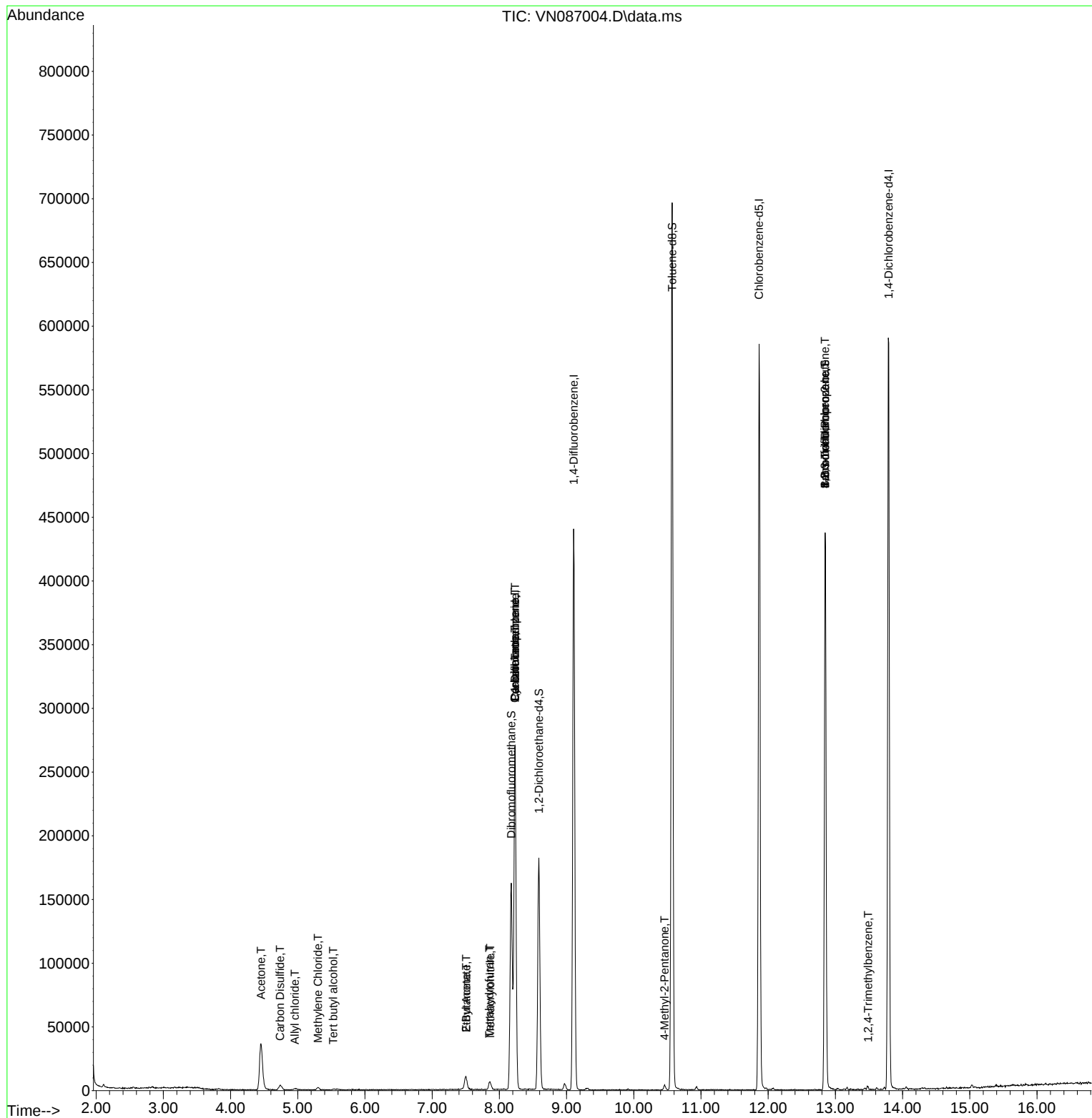
Internal Standards						
1) Pentafluorobenzene	8.235	168	212310	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	415259	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	371370	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	176704	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	145570	51.210	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 102.420%			
35) Dibromofluoromethane	8.177	113	124816	50.719	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 101.440%			
50) Toluene-d8	10.571	98	510098	52.360	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 104.720%			
62) 4-Bromofluorobenzene	12.847	95	179068	49.473	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 98.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	747	0.968	ug/l #	73
14) Allyl chloride	4.959	41	899	0.229	ug/l #	35
16) Acetone	4.453	43	73783	48.946	ug/l	94
17) Carbon Disulfide	4.736	76	3338	0.511	ug/l #	75
20) Methylene Chloride	5.300	84	1282	0.454	ug/l #	78
25) 2-Butanone	7.506	43	18816	7.679	ug/l	99
29) Tetrahydrofuran	7.853	42	5268	3.300	ug/l	94
31) Cyclohexane	8.229	56	3587	0.778	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	16373	4.465	ug/l #	49
37) Ethyl Acetate	7.506	43	18816	4.031	ug/l #	66
38) Carbon Tetrachloride	8.235	117	21230	5.897	ug/l #	17
41) Methacrylonitrile	7.865	41	2765	1.055	ug/l #	41
51) 4-Methyl-2-Pentanone	10.459	43	3491	0.774	ug/l	92
71) Bromoform	12.847	173	1014	0.520	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	83314	19.835	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	83314	45.660	ug/l #	16
84) 1,2,4-Trimethylbenzene	13.488	105	2246	0.211	ug/l	91

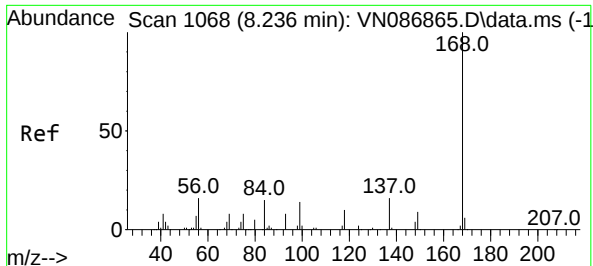
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061325\
Data File : VN087004.D
Acq On : 13 Jun 2025 16:12
Operator : JC\MD
Sample : Q2314-05
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Jun 14 00:30:41 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

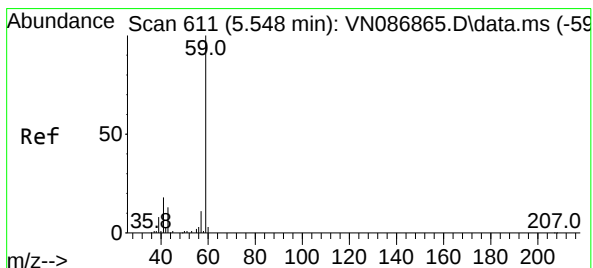
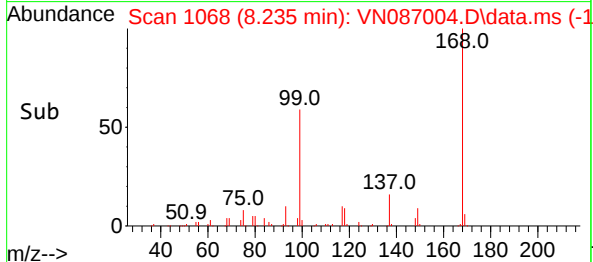
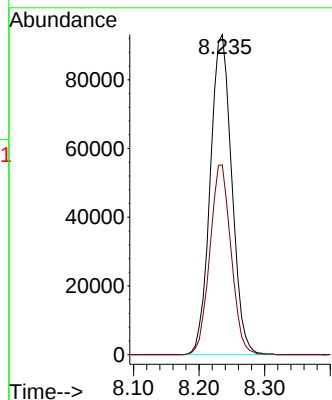
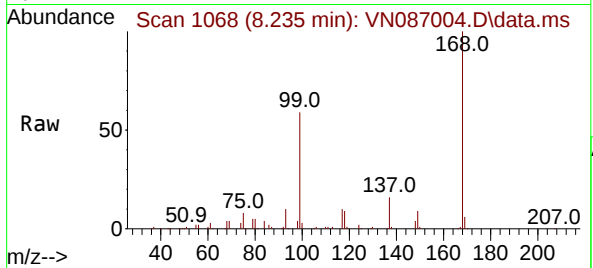




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

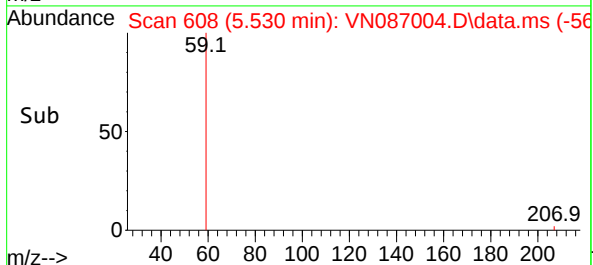
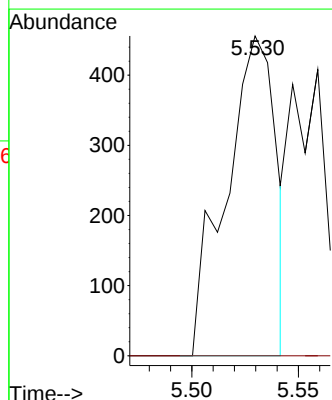
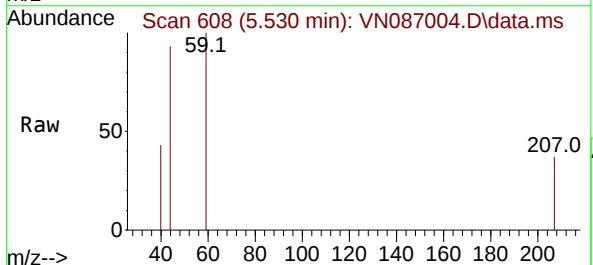
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

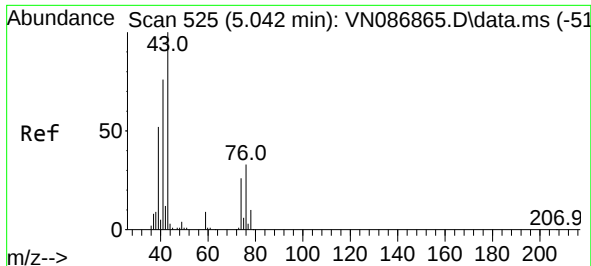
Tgt Ion:168 Resp: 212310
Ion Ratio Lower Upper
168 100
99 59.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.968 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 59 Resp: 747
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#





#14

Allyl chloride

Concen: 0.229 ug/l

RT: 4.959 min Scan# 511

Delta R.T. -0.083 min

Lab File: VN087004.D

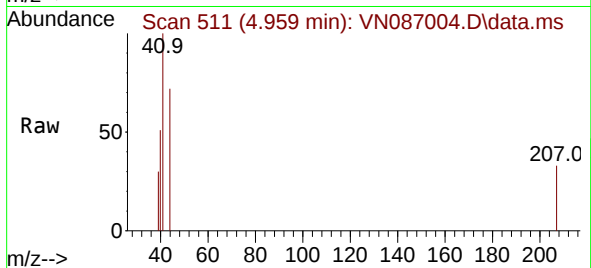
Acq: 13 Jun 2025 16:12

Instrument :

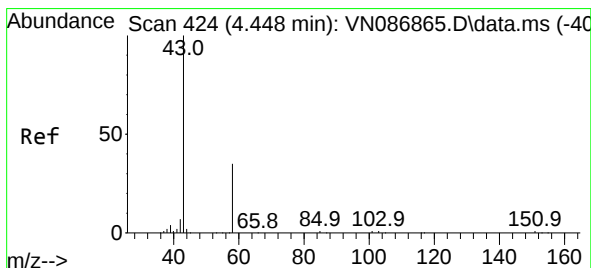
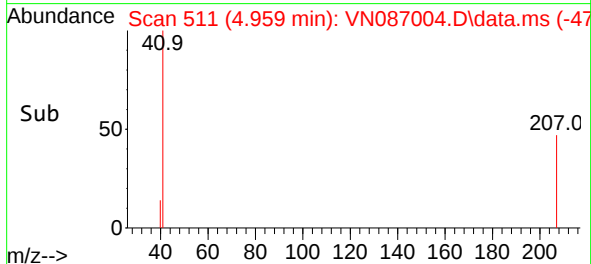
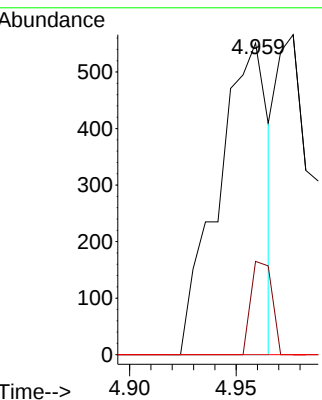
MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250612



Tgt Ion:	41	Resp:	899
Ion	Ratio	Lower	Upper
41	100		
39	12.7	51.3	76.9#
76	0.0	31.4	47.0#



#16

Acetone

Concen: 48.946 ug/l

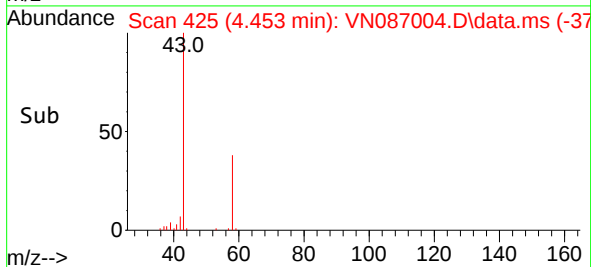
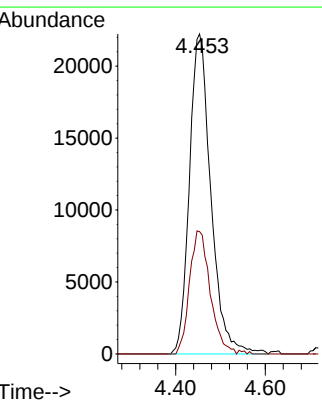
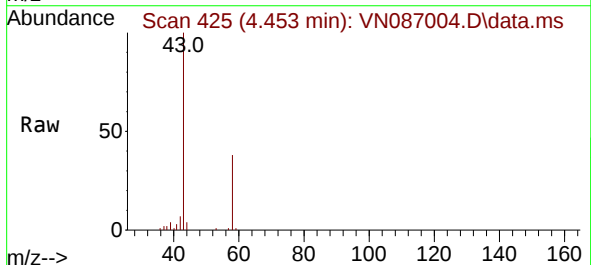
RT: 4.453 min Scan# 425

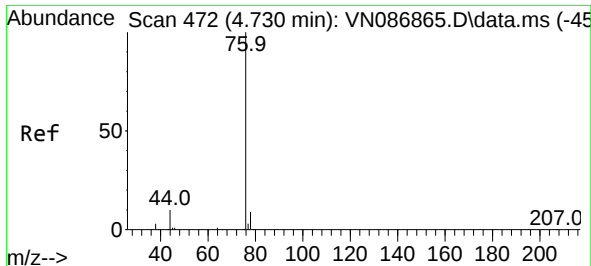
Delta R.T. 0.006 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

Tgt Ion:	43	Resp:	73783
Ion	Ratio	Lower	Upper
43	100		
58	38.2	28.0	42.0





#17

Carbon Disulfide

Concen: 0.511 ug/l

RT: 4.736 min Scan# 473

Delta R.T. 0.006 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

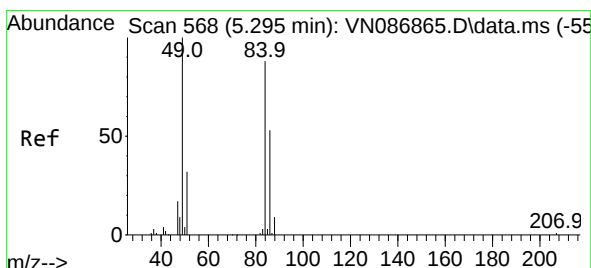
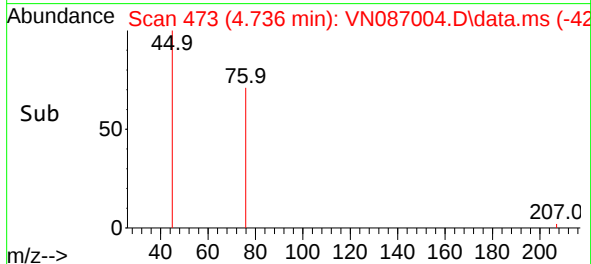
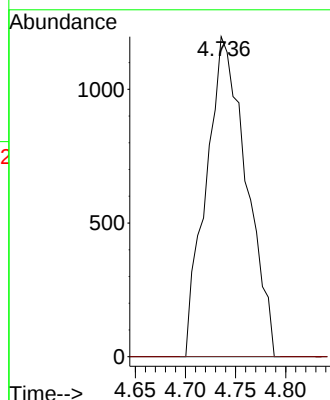
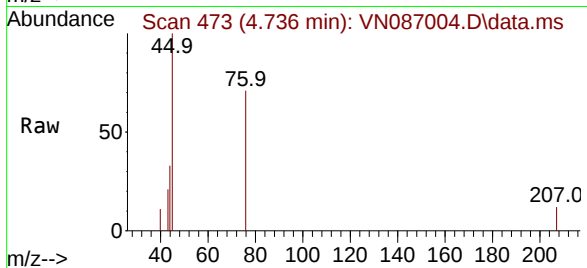
BP-VPB-182-EB-20250612

Tgt Ion: 76 Resp: 3338

Ion Ratio Lower Upper

76 100

78 0.0 7.3 10.9#



#20

Methylene Chloride

Concen: 0.454 ug/l

RT: 5.300 min Scan# 569

Delta R.T. 0.006 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

Tgt Ion: 84 Resp: 1282

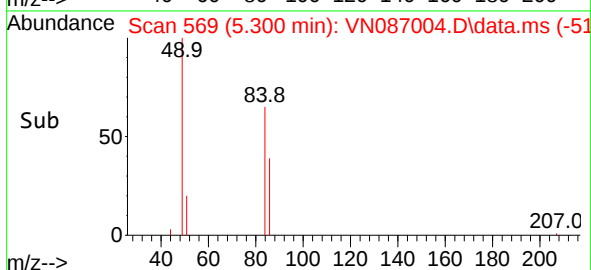
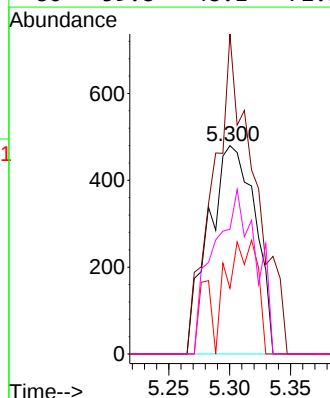
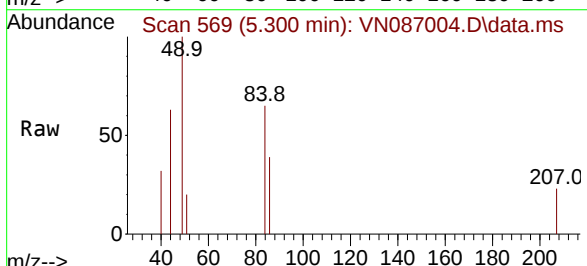
Ion Ratio Lower Upper

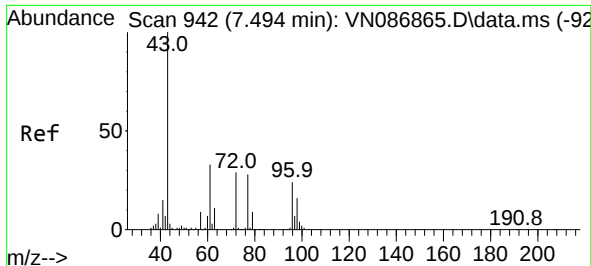
84 100

49 153.5 90.5 135.7#

51 31.5 28.5 42.7

86 59.8 48.1 72.1

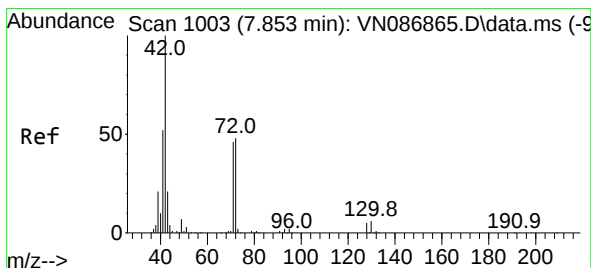
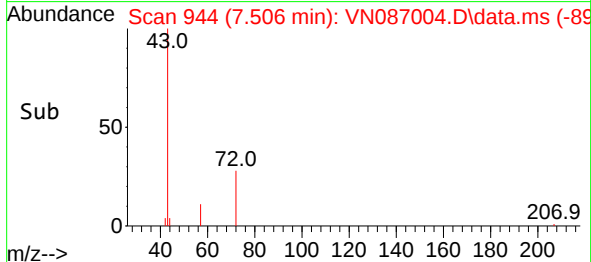
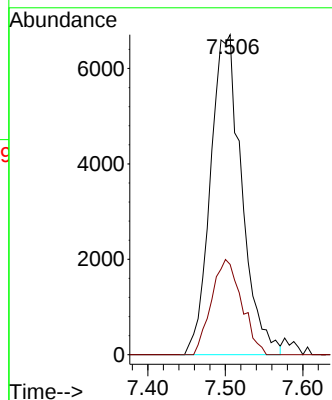
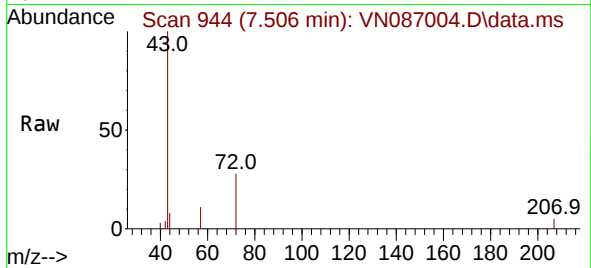




#25
2-Butanone
Concen: 7.679 ug/l
RT: 7.506 min Scan# 944
Delta R.T. 0.012 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

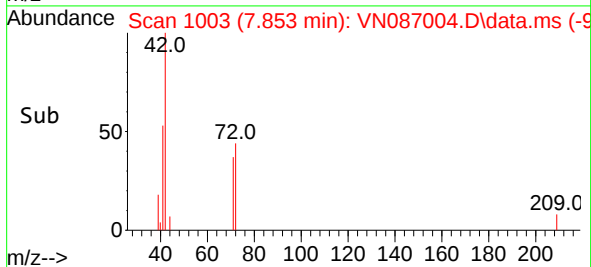
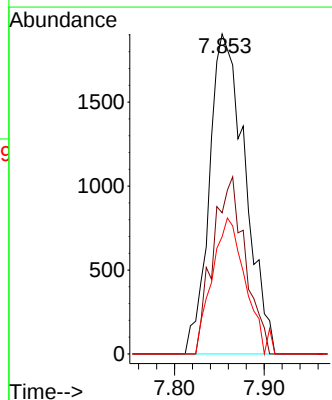
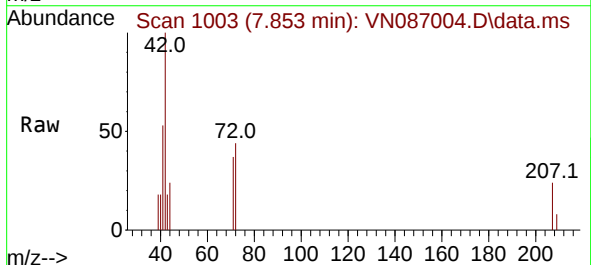
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

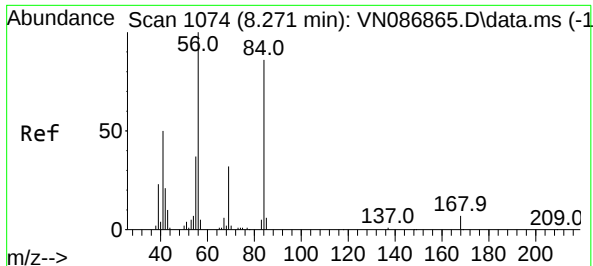
Tgt Ion: 43 Resp: 18816
Ion Ratio Lower Upper
43 100
72 28.2 23.0 34.6



#29
Tetrahydrofuran
Concen: 3.300 ug/l
RT: 7.853 min Scan# 1003
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 42 Resp: 5268
Ion Ratio Lower Upper
42 100
72 50.1 37.8 56.6
71 39.7 35.6 53.4

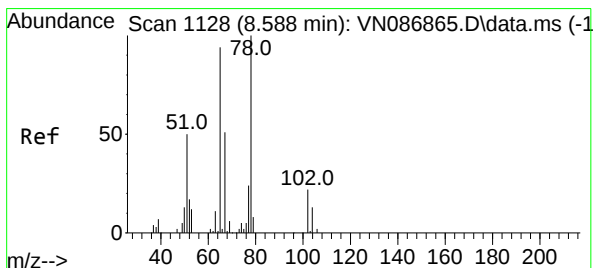
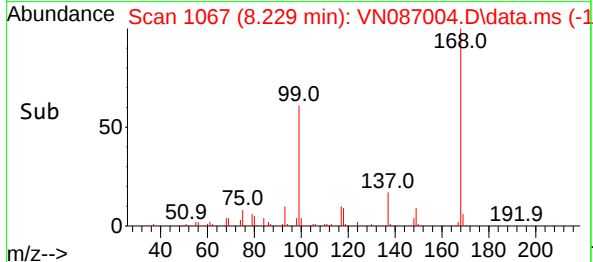
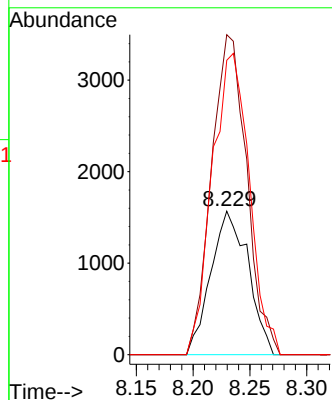
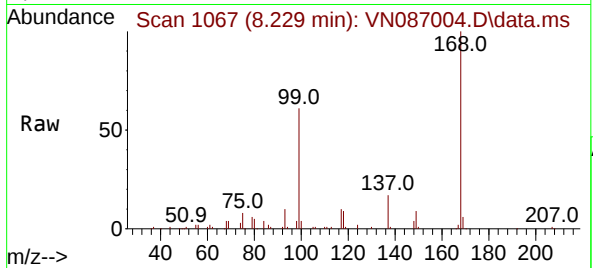




#31
Cyclohexane
Concen: 0.778 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

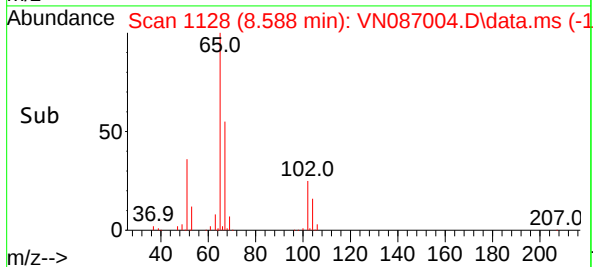
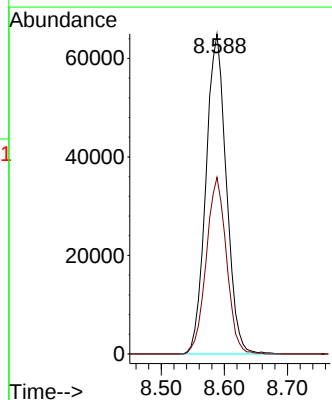
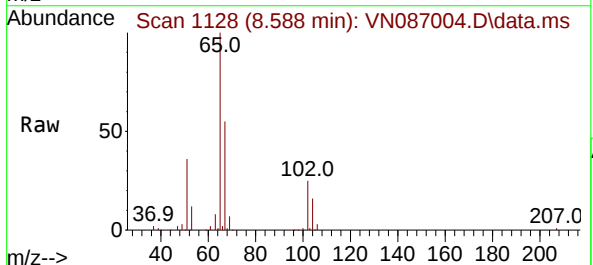
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

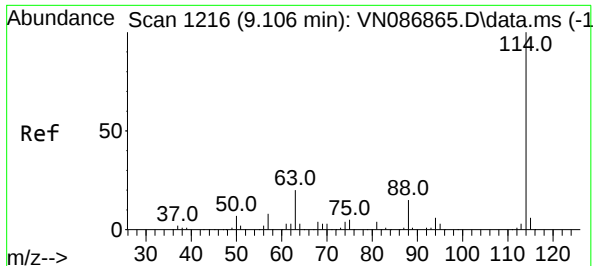
Tgt Ion: 56 Resp: 3587
Ion Ratio Lower Upper
56 100
69 223.0 25.4 38.0#
84 205.2 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 51.210 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 65 Resp: 145570
Ion Ratio Lower Upper
65 100
67 54.7 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: VN087004.D

Acq: 13 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250612

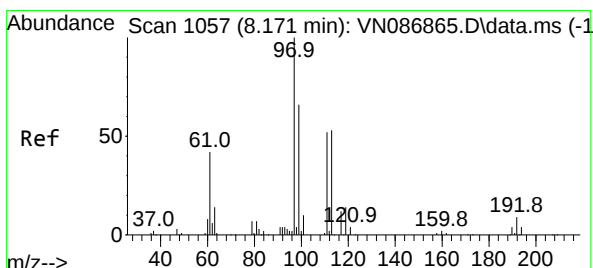
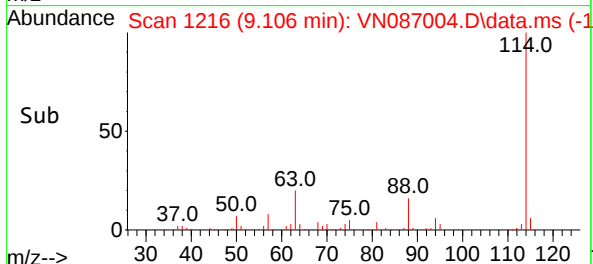
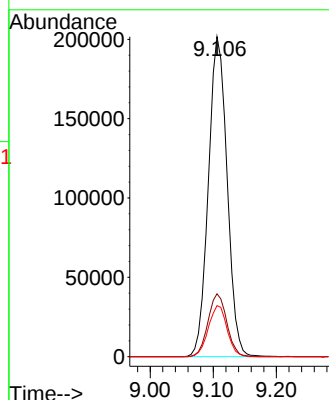
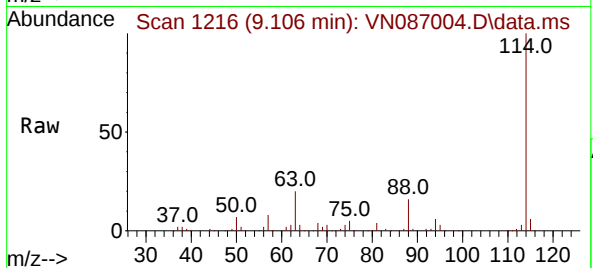
Tgt Ion:114 Resp: 415259

Ion Ratio Lower Upper

114 100

63 19.6 0.0 39.6

88 16.0 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.719 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

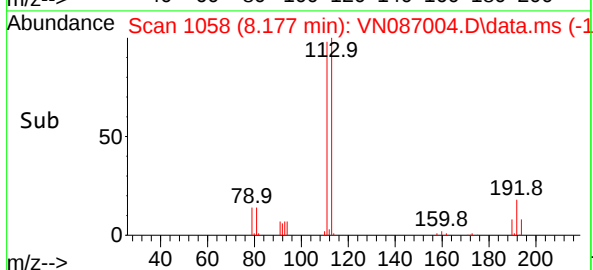
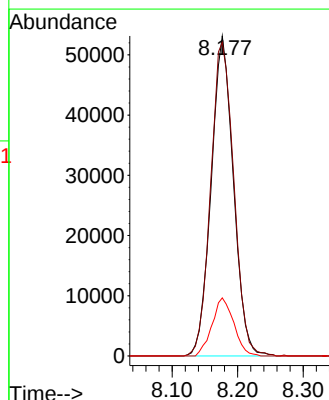
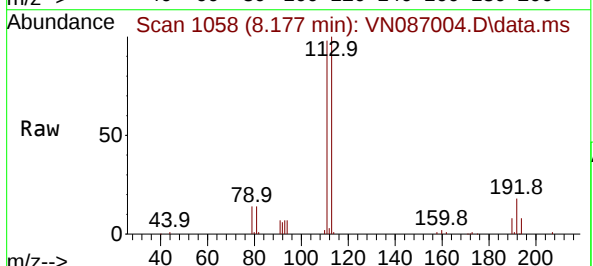
Tgt Ion:113 Resp: 124816

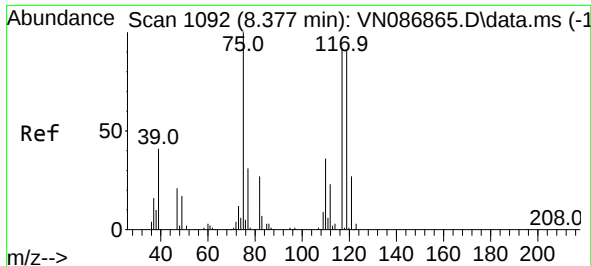
Ion Ratio Lower Upper

113 100

111 102.0 84.2 126.2

192 17.8 14.2 21.4

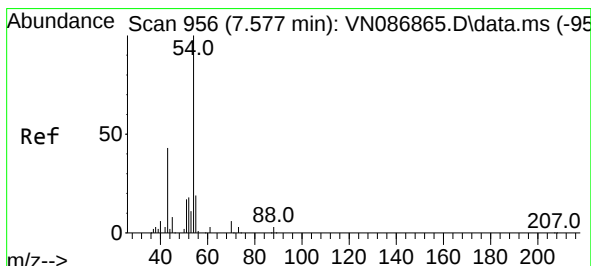
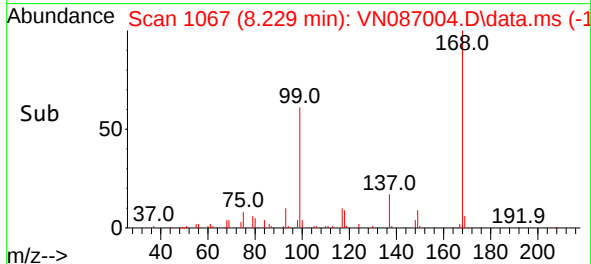
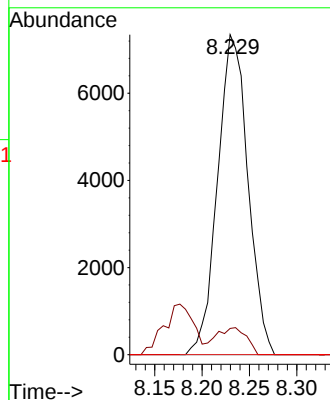
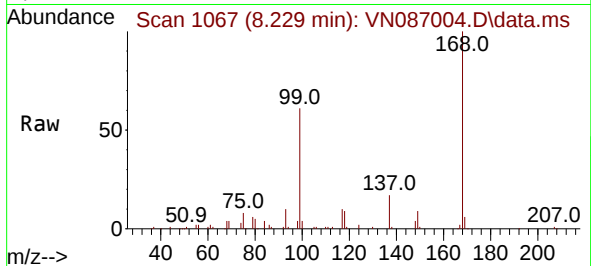




#36
1,1-Dichloropropene
Concen: 4.465 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

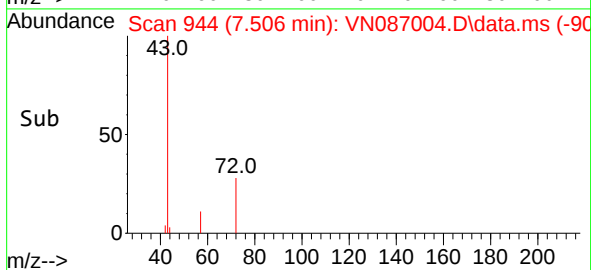
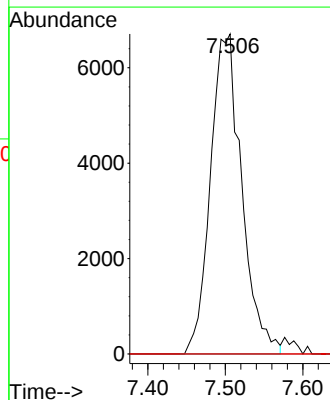
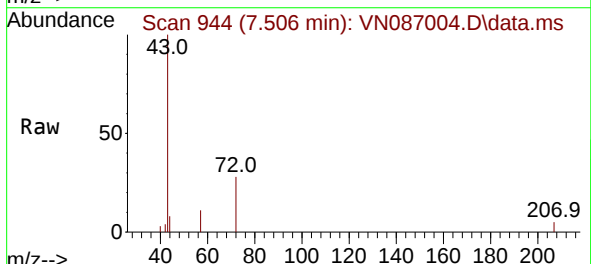
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

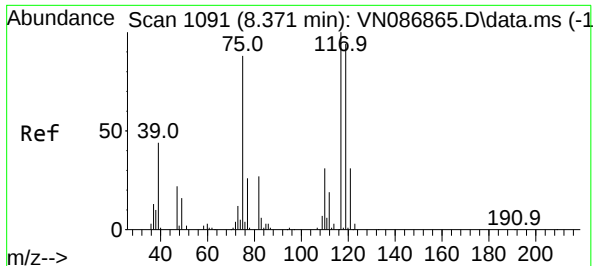
Tgt Ion: 75 Resp: 16373
Ion Ratio Lower Upper
75 100
110 8.2 17.6 52.9#
77 0.0 25.3 37.9#



#37
Ethyl Acetate
Concen: 4.031 ug/l
RT: 7.506 min Scan# 944
Delta R.T. -0.071 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 43 Resp: 18816
Ion Ratio Lower Upper
43 100
61 0.0 12.1 18.1#
70 0.0 9.8 14.6#

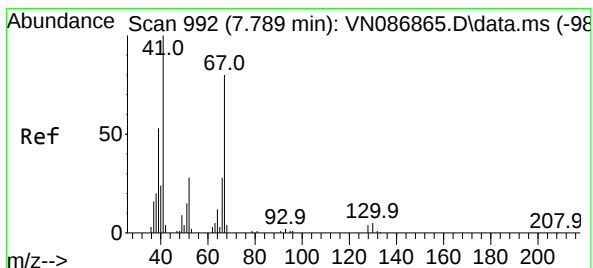
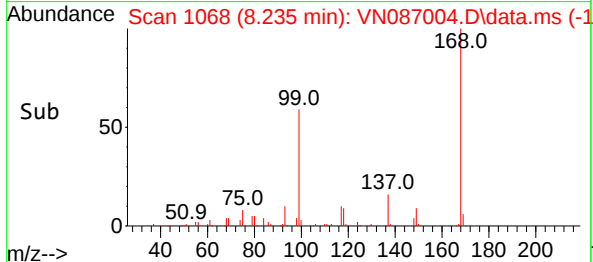
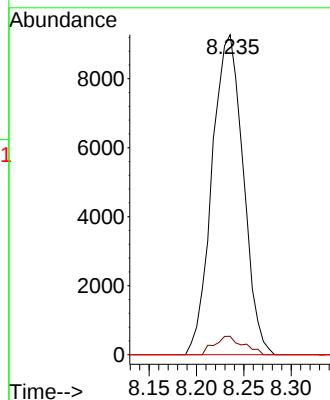
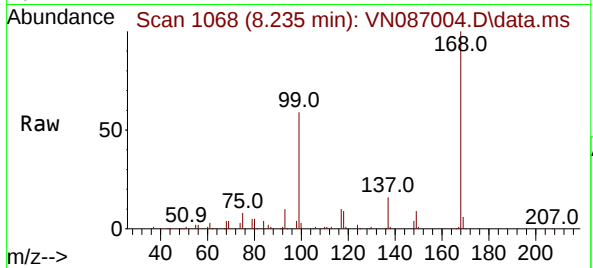




#38
Carbon Tetrachloride
Concen: 5.897 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

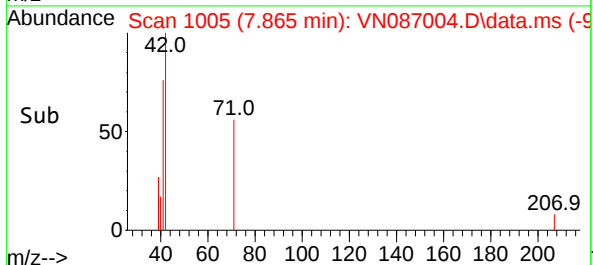
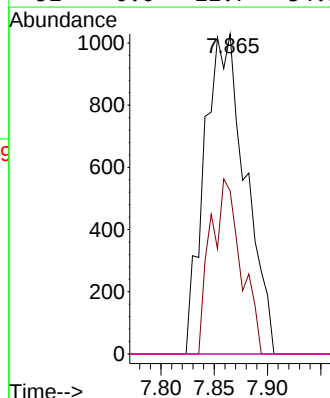
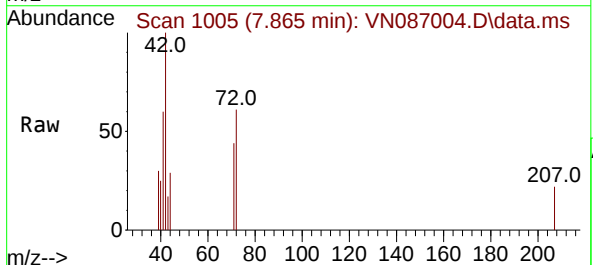
Instrument : MSVOA_N
ClientSampleId : BP-VPB-182-EB-20250612

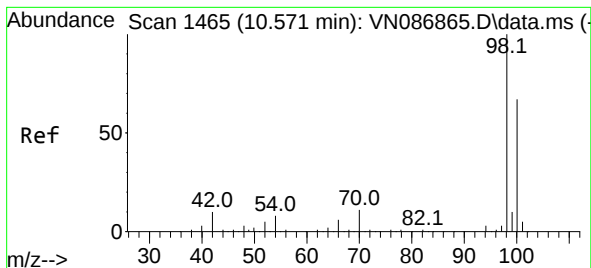
Tgt Ion:117 Resp: 21230
Ion Ratio Lower Upper
117 100
119 5.8 75.0 112.6#
121 0.0 24.9 37.3#



#41
Methacrylonitrile
Concen: 1.055 ug/l
RT: 7.865 min Scan# 1005
Delta R.T. 0.076 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 41 Resp: 2765
Ion Ratio Lower Upper
41 100
39 40.3 41.2 61.8#
67 0.0 61.4 92.2#
52 0.0 22.7 34.1#

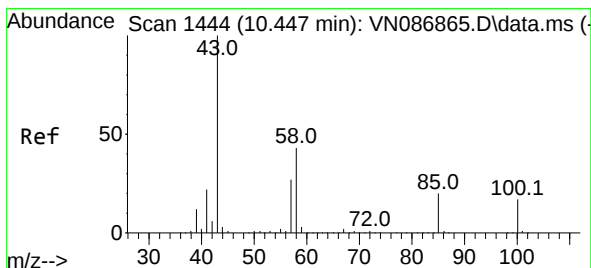
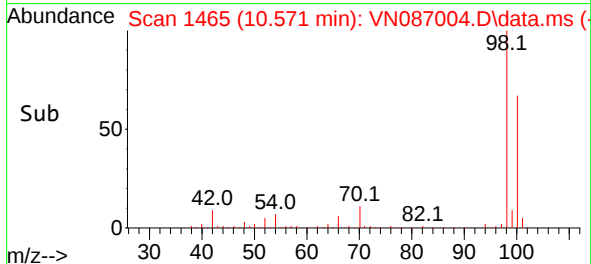
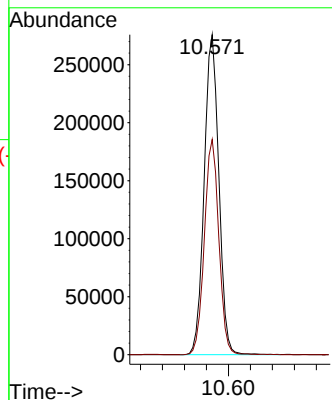
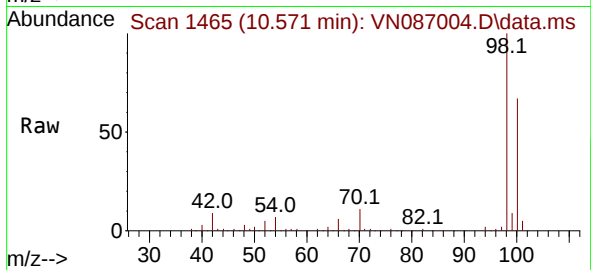




#50
Toluene-d8
Concen: 52.360 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

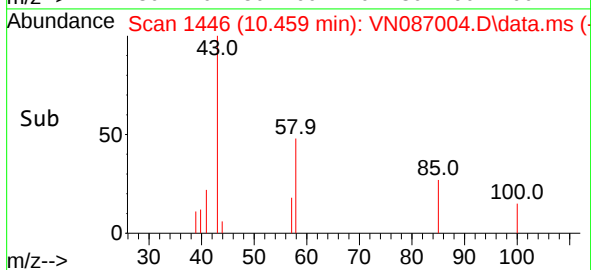
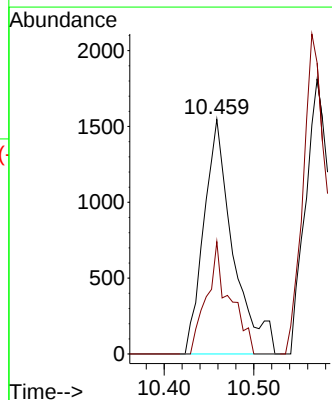
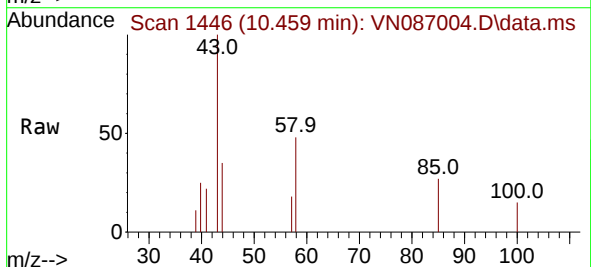
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

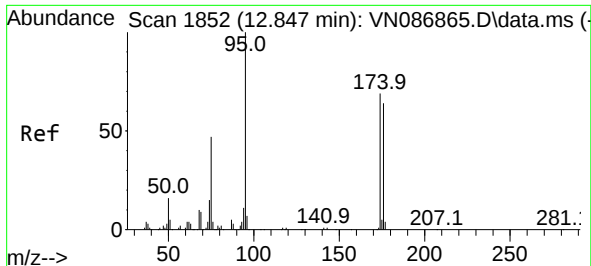
Tgt Ion: 98 Resp: 510098
Ion Ratio Lower Upper
98 100
100 66.4 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.774 ug/l
RT: 10.459 min Scan# 1446
Delta R.T. 0.012 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 43 Resp: 3491
Ion Ratio Lower Upper
43 100
58 38.0 34.2 51.4

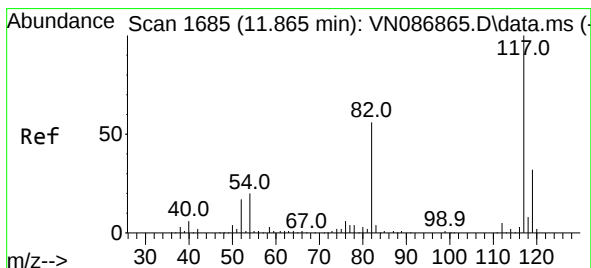
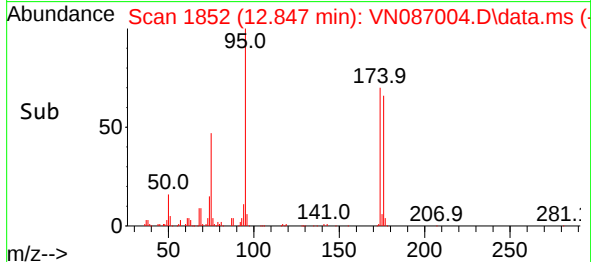
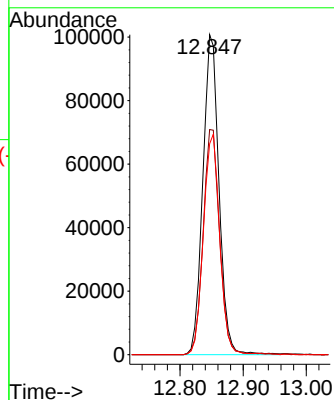
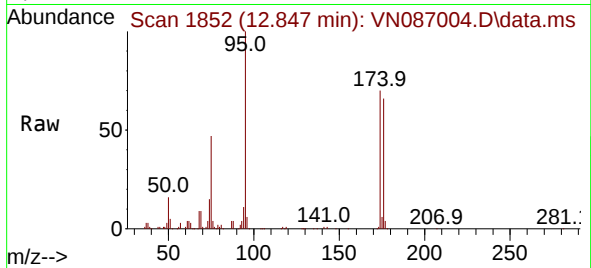




#62
4-Bromofluorobenzene
Concen: 49.473 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

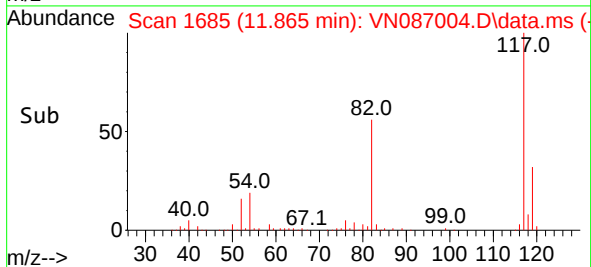
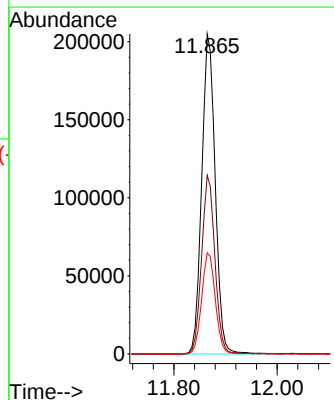
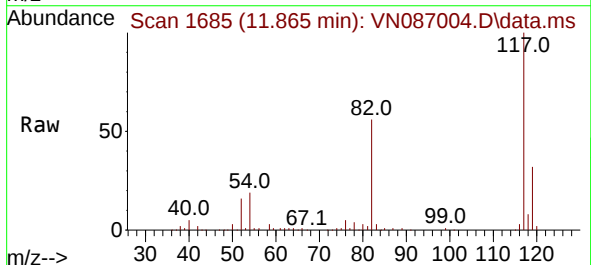
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

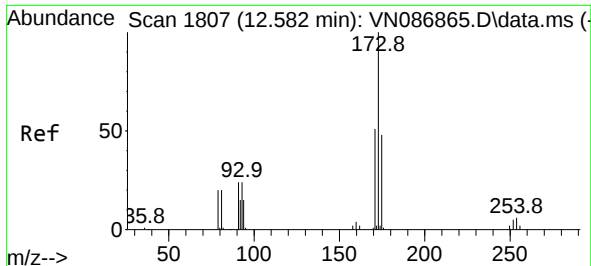
Tgt Ion: 95 Resp: 179068
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.8
176 69.6 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion: 117 Resp: 371370
Ion Ratio Lower Upper
117 100
82 55.8 44.6 67.0
119 31.6 25.5 38.3

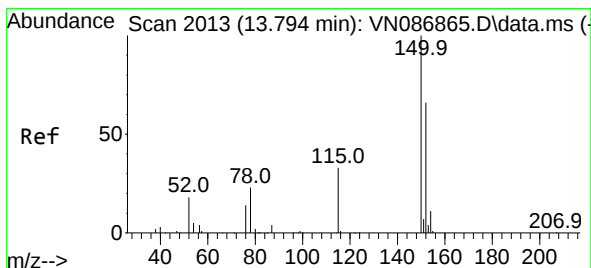
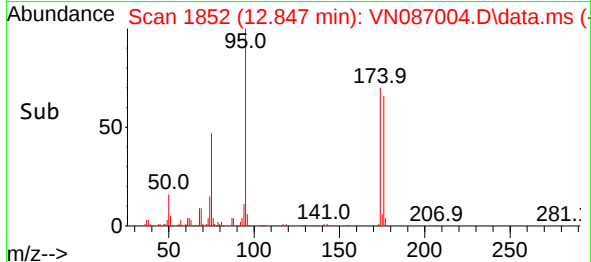
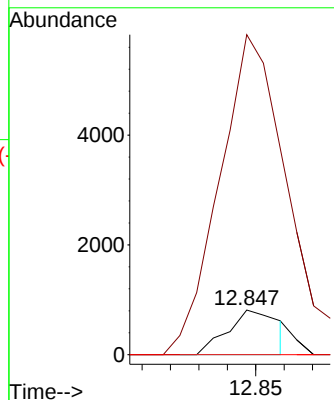
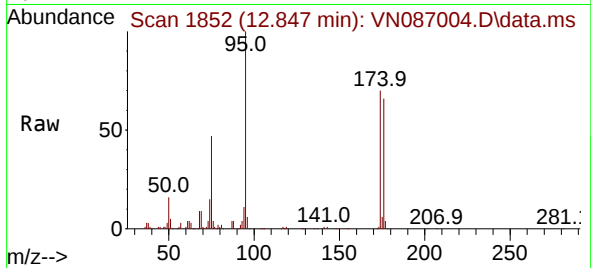




#71
Bromoform
Concen: 0.520 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.264 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

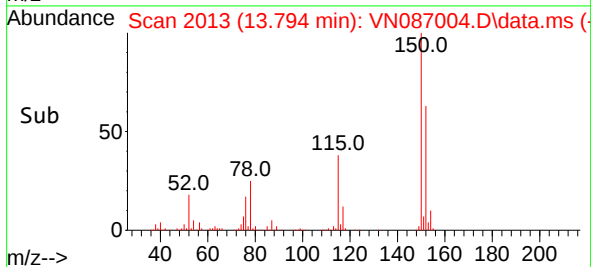
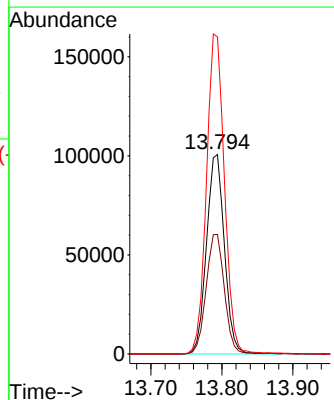
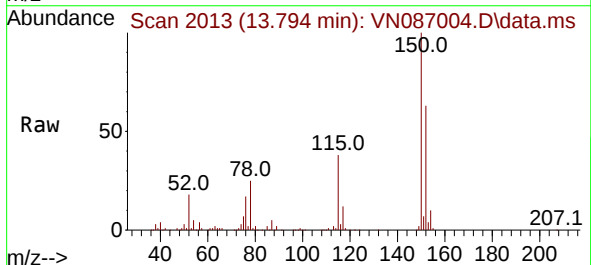
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250612

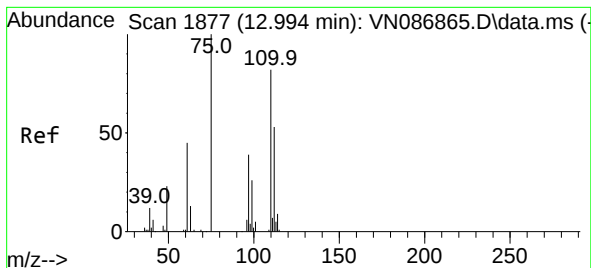
Tgt Ion:173 Resp: 1014
Ion Ratio Lower Upper
173 100
175 806.3 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN087004.D
Acq: 13 Jun 2025 16:12

Tgt Ion:152 Resp: 176704
Ion Ratio Lower Upper
152 100
115 60.9 30.1 90.5
150 161.0 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.835 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

Instrument :

MSVOA_N

ClientSampleId :

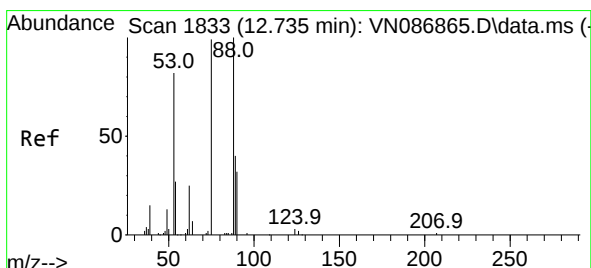
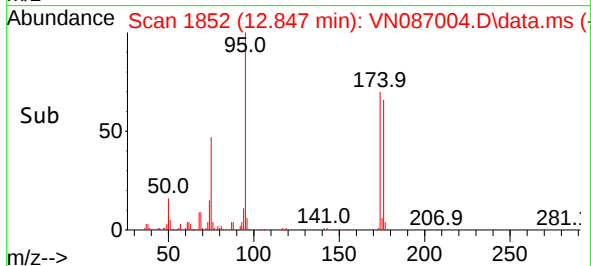
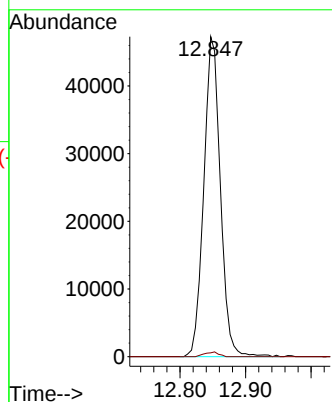
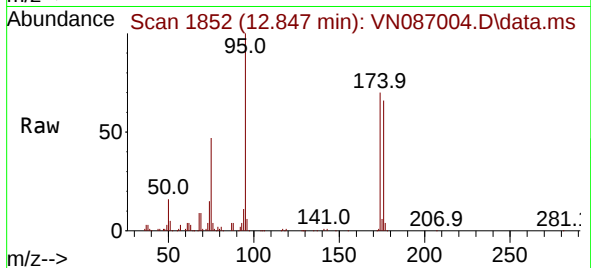
BP-VPB-182-EB-20250612

Tgt Ion: 75 Resp: 83314

Ion Ratio Lower Upper

75 100

77 1.2 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 45.660 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN087004.D

Acq: 13 Jun 2025 16:12

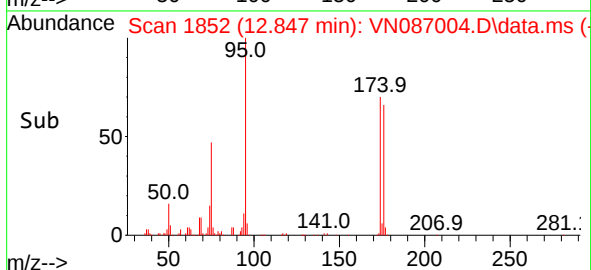
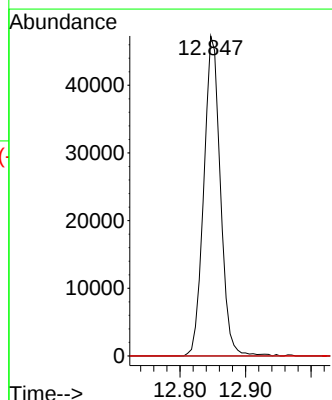
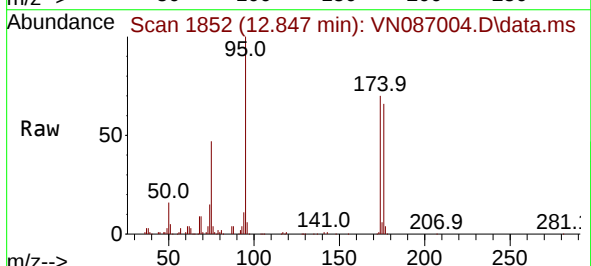
Tgt Ion: 75 Resp: 83314

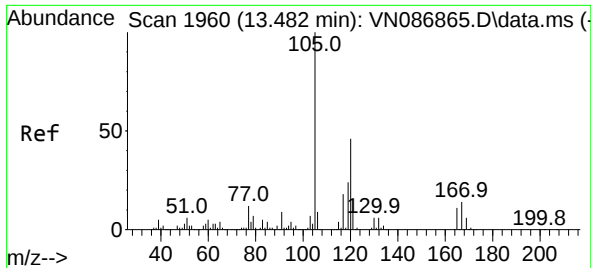
Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#





#84
 1,2,4-Trimethylbenzene
 Concen: 0.211 ug/l
 RT: 13.488 min Scan# 1961
 Delta R.T. 0.006 min
 Lab File: VN087004.D
 Acq: 13 Jun 2025 16:12

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

Tgt Ion:105 Resp: 2246
 Ion Ratio Lower Upper
 105 100
 120 40.7 23.2 69.6

