

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061025\
 Data File : VN086933.D
 Acq On : 10 Jun 2025 16:48
 Operator : JC\MD
 Sample : Q2251-05RE
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250604

Quant Time: Jun 11 01:57:47 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)

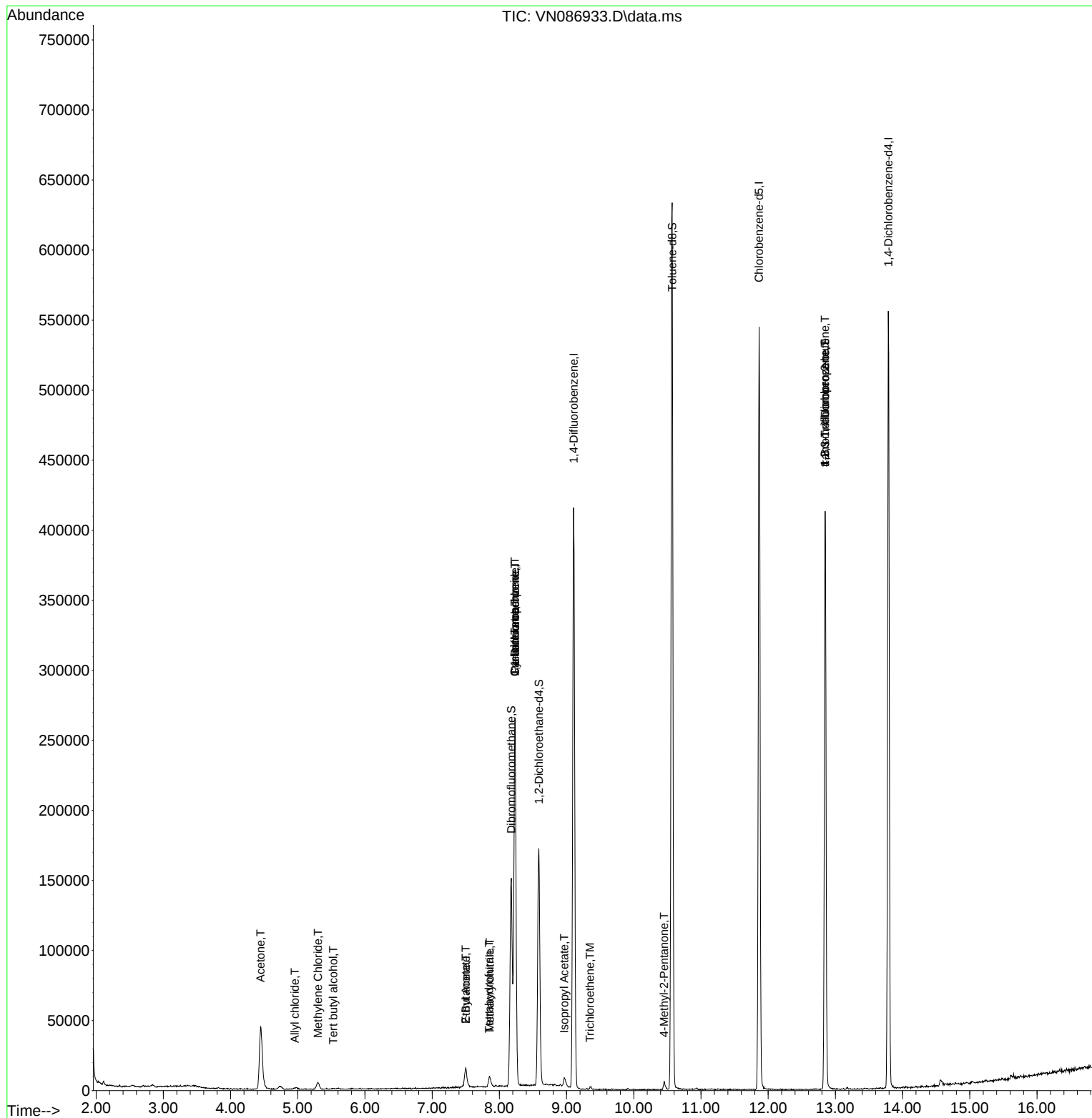
Internal Standards						
1) Pentafluorobenzene	8.235	168	207035	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	385111	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	340856	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	162809	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	139054	50.164	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 100.320%			
35) Dibromofluoromethane	8.177	113	114361	50.109	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 100.220%			
50) Toluene-d8	10.570	98	469495	51.965	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 103.920%			
62) 4-Bromofluorobenzene	12.847	95	166962	49.740	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 99.480%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.530	59	622	0.827	ug/l #	73
14) Allyl chloride	4.959	41	916	0.240	ug/l #	30
16) Acetone	4.447	43	88685	60.330	ug/l	100
20) Methylene Chloride	5.300	84	4441	1.614	ug/l #	83
25) 2-Butanone	7.500	43	23219	9.717	ug/l	95
29) Tetrahydrofuran	7.847	42	5759	3.700	ug/l	96
31) Cyclohexane	8.229	56	3512	0.781	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	15813	4.650	ug/l #	48
37) Ethyl Acetate	7.500	43	23219	5.363	ug/l #	68
38) Carbon Tetrachloride	8.229	117	20421	6.116	ug/l #	18
41) Methacrylonitrile	7.859	41	3061	1.259	ug/l #	43
43) Isopropyl Acetate	8.965	43	4391	0.632	ug/l #	53
44) Trichloroethene	9.347	130	717	0.272	ug/l	45
51) 4-Methyl-2-Pentanone	10.453	43	5159	1.233	ug/l	92
76) 1,2,3-Trichloropropane	12.847	75	77212	19.951	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	77212	45.927	ug/l #	16

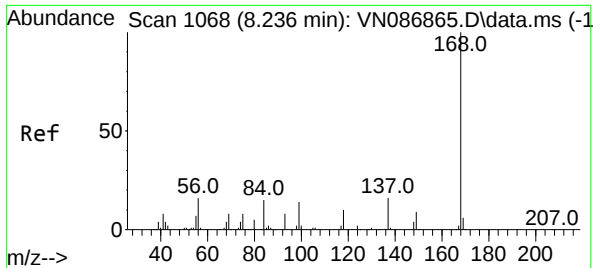
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

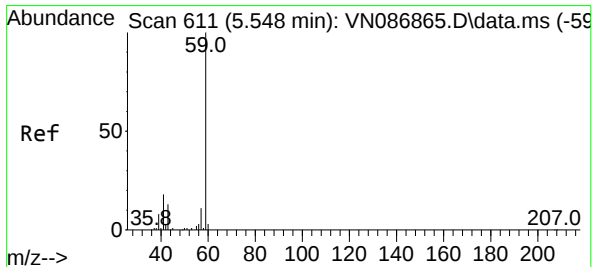
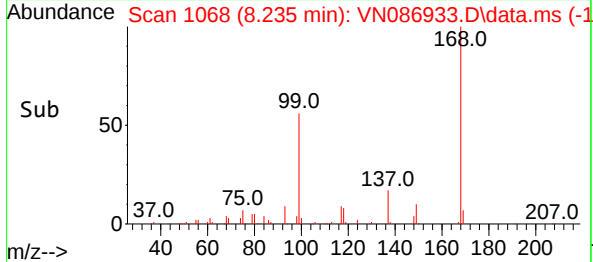
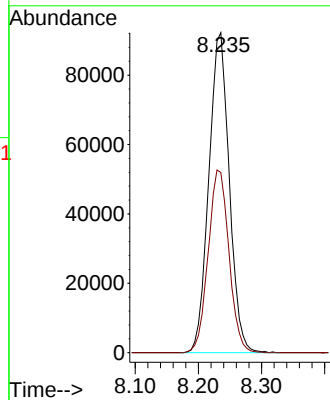
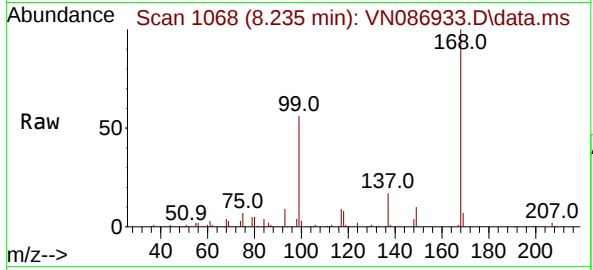




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1
Delta R.T. -0.001 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

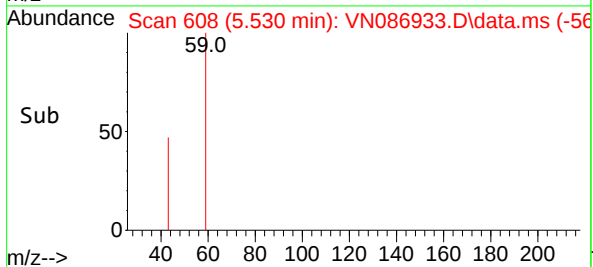
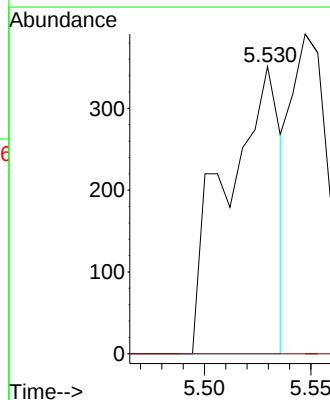
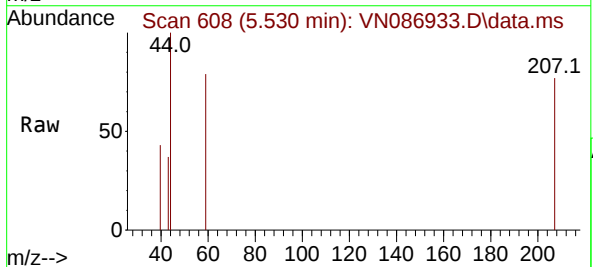
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

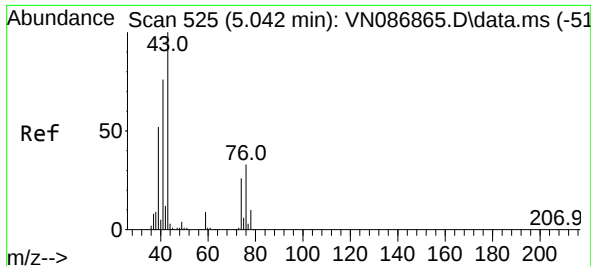
Tgt Ion:168 Resp: 207035
Ion Ratio Lower Upper
168 100
99 56.3 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.827 ug/l
RT: 5.530 min Scan# 608
Delta R.T. -0.018 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

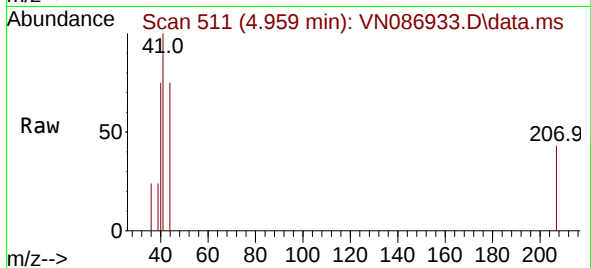
Tgt Ion: 59 Resp: 622
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#



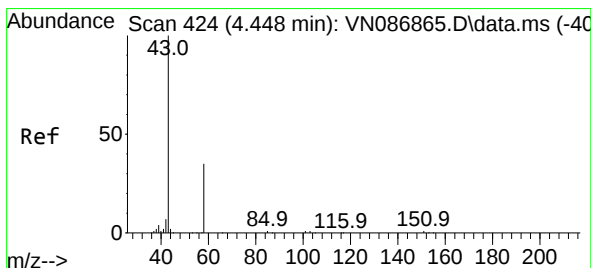
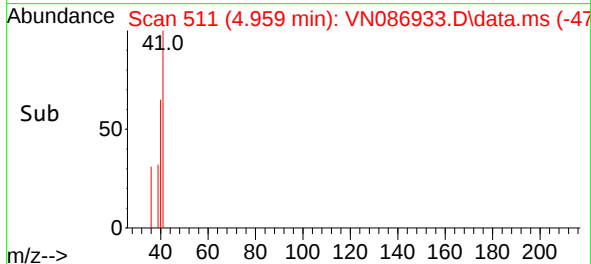
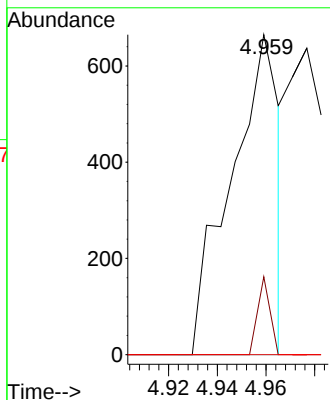


#14
 Allyl chloride
 Concen: 0.240 ug/l
 RT: 4.959 min Scan# 511
 Delta R.T. -0.083 min
 Lab File: VN086933.D
 Acq: 10 Jun 2025 16:48

Instrument :
 MSVOA_N
 ClientSampleId :
 BP-VPB-182-EB-20250604

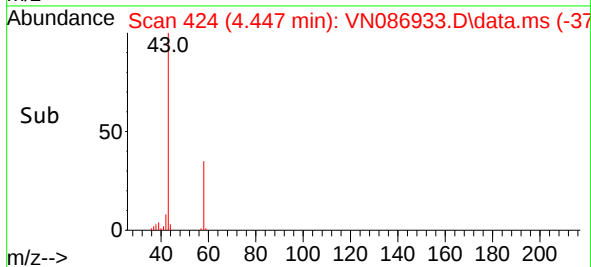
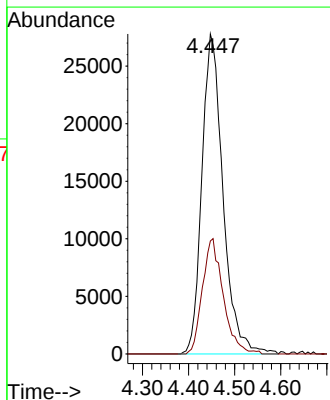
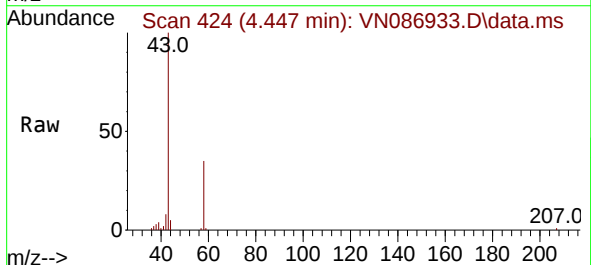


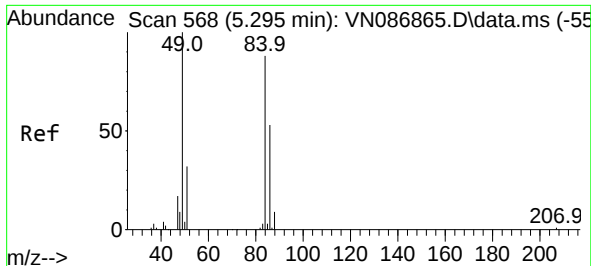
Tgt Ion: 41 Resp: 916
 Ion Ratio Lower Upper
 41 100
 39 6.2 51.3 76.9#
 76 0.0 31.4 47.0#



#16
 Acetone
 Concen: 60.330 ug/l
 RT: 4.447 min Scan# 424
 Delta R.T. -0.000 min
 Lab File: VN086933.D
 Acq: 10 Jun 2025 16:48

Tgt Ion: 43 Resp: 88685
 Ion Ratio Lower Upper
 43 100
 58 35.3 28.0 42.0

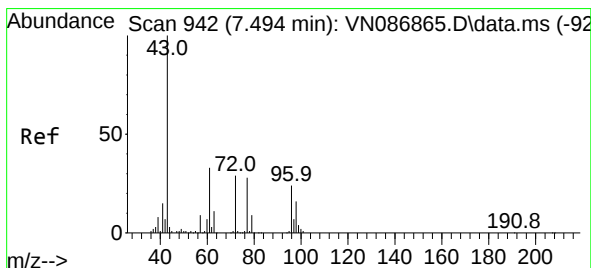
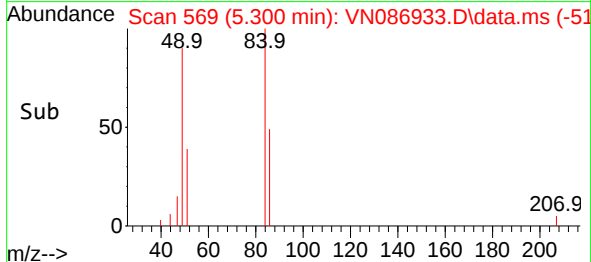
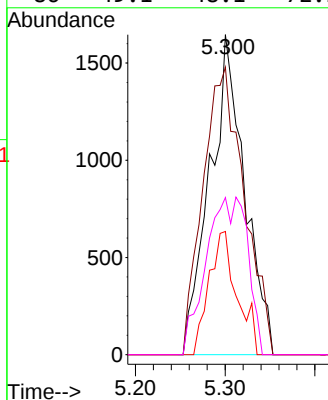
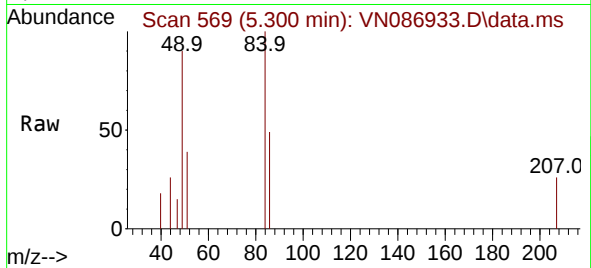




#20
Methylene Chloride
Concen: 1.614 ug/l
RT: 5.300 min Scan# 51
Delta R.T. 0.006 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

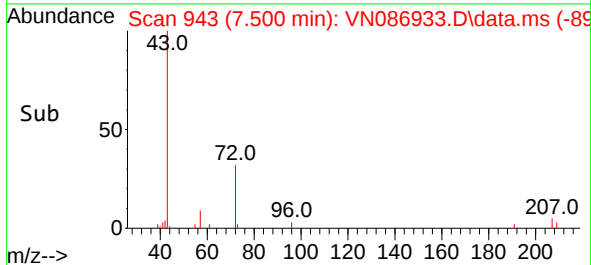
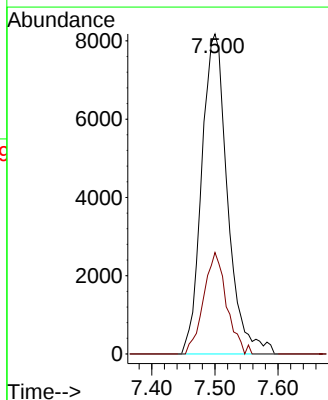
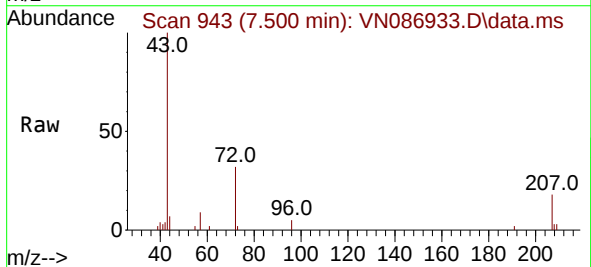
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

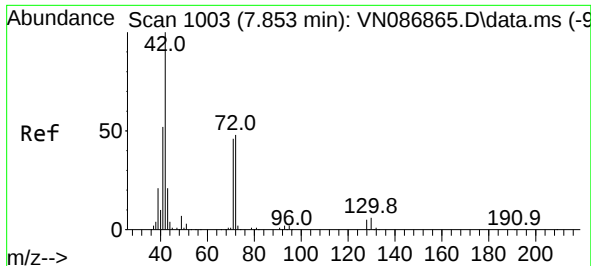
Tgt Ion:	84	Resp:	4441
Ion	Ratio	Lower	Upper
84	100		
49	89.9	90.5	135.7#
51	38.5	28.5	42.7
86	49.1	48.1	72.1



#25
2-Butanone
Concen: 9.717 ug/l
RT: 7.500 min Scan# 943
Delta R.T. 0.006 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

Tgt Ion:	43	Resp:	23219
Ion	Ratio	Lower	Upper
43	100		
72	31.7	23.0	34.6





#29

Tetrahydrofuran

Concen: 3.700 ug/l

RT: 7.847 min Scan# 1067

Delta R.T. -0.006 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

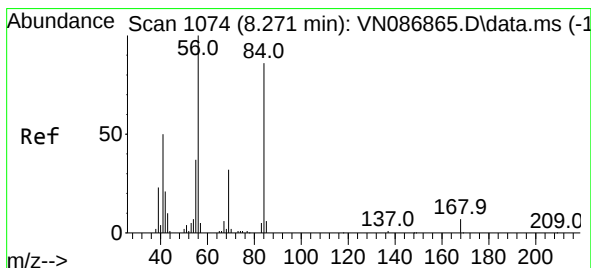
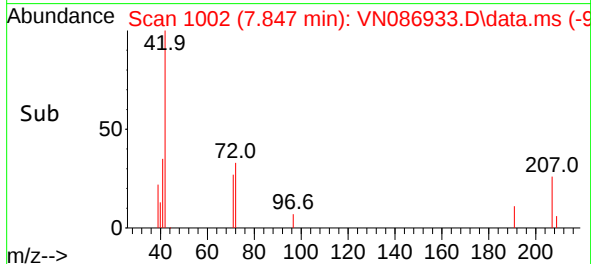
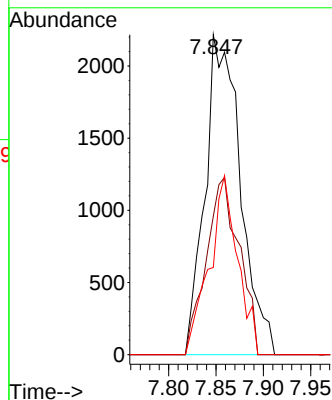
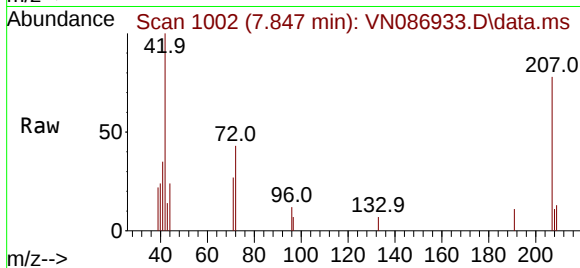
Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250604

Tgt Ion:	42	Resp:	5759
Ion	Ratio	Lower	Upper
42	100		
72	51.7	37.8	56.6
71	44.8	35.6	53.4



#31

Cyclohexane

Concen: 0.781 ug/l

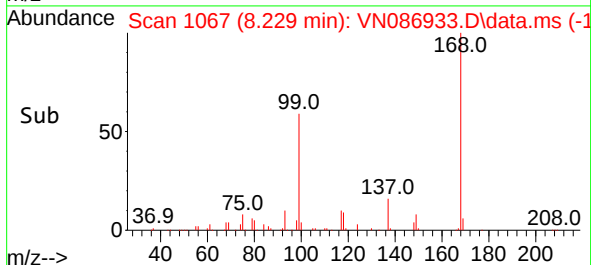
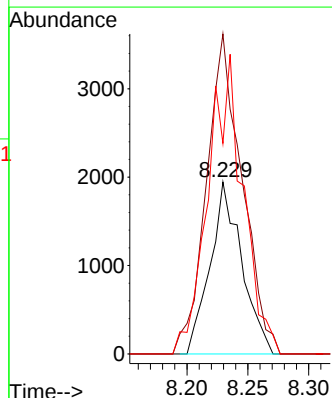
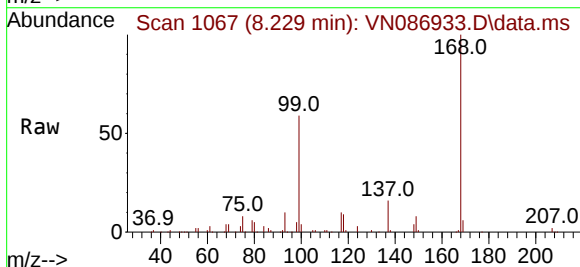
RT: 8.229 min Scan# 1067

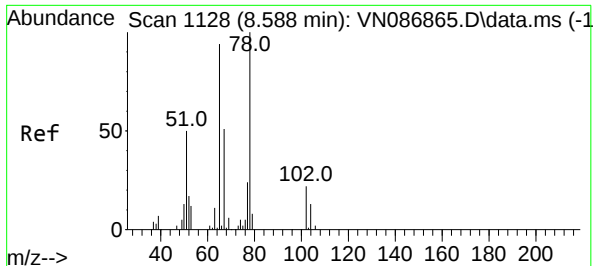
Delta R.T. -0.041 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

Tgt Ion:	56	Resp:	3512
Ion	Ratio	Lower	Upper
56	100		
69	186.1	25.4	38.0#
84	122.5	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 50.164 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

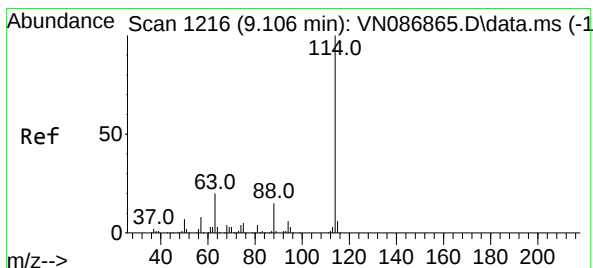
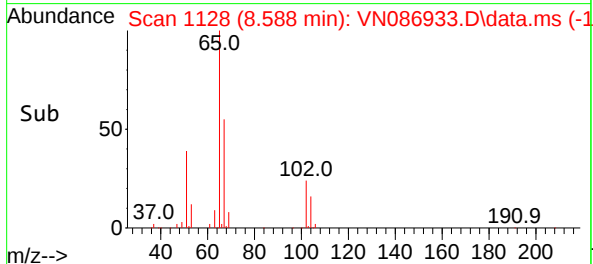
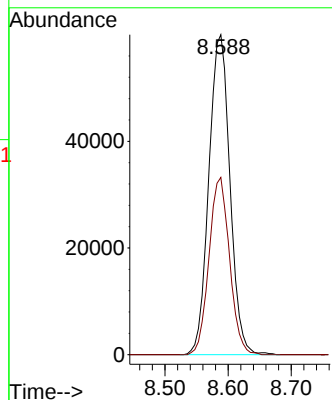
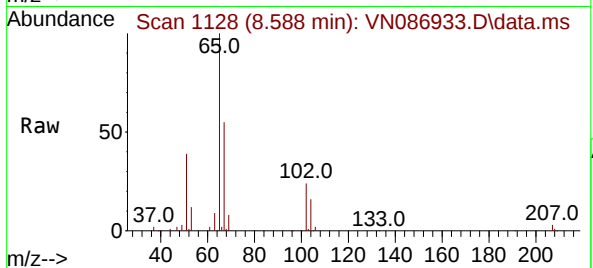
BP-VPB-182-EB-20250604

Tgt Ion: 65 Resp: 139054

Ion Ratio Lower Upper

65 100

67 54.0 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: VN086933.D

Acq: 10 Jun 2025 16:48

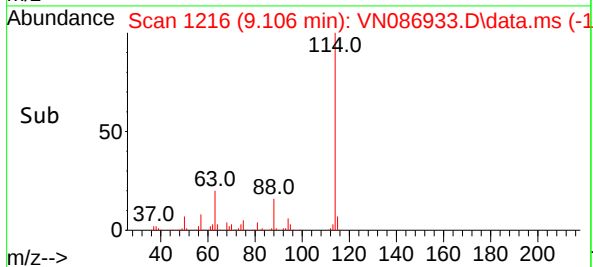
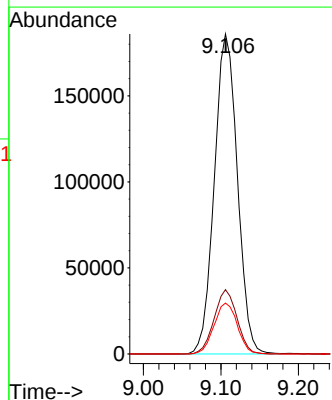
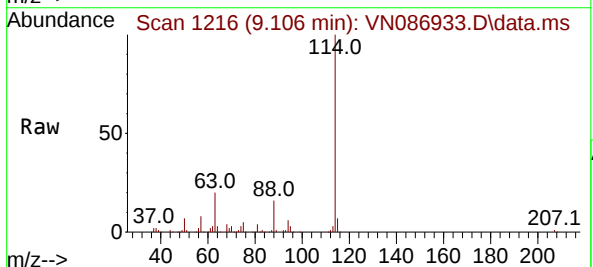
Tgt Ion: 114 Resp: 385111

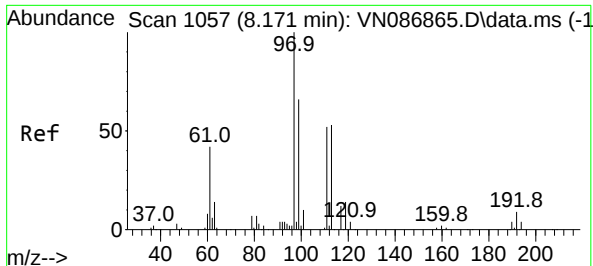
Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.109 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

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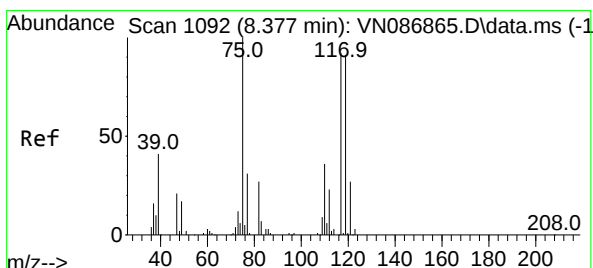
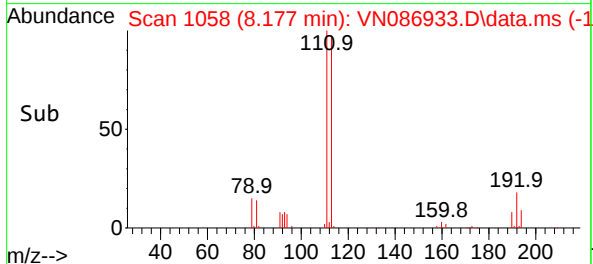
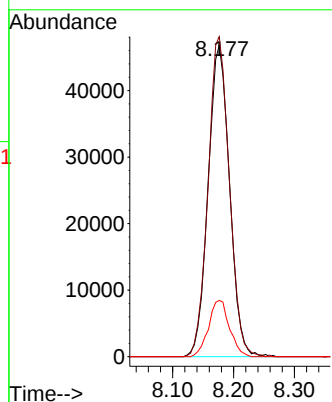
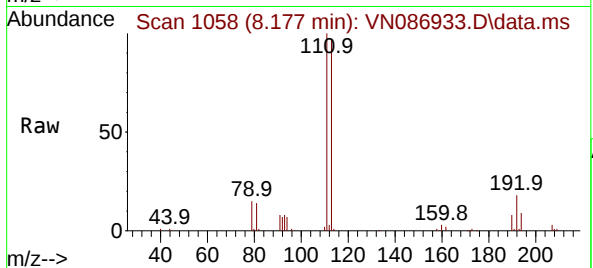
Tgt Ion:113 Resp: 114361

Ion Ratio Lower Upper

113 100

111 101.9 84.2 126.2

192 17.6 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.650 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

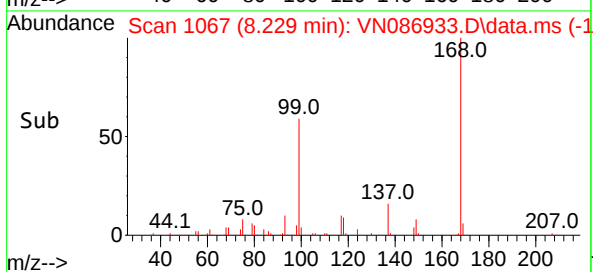
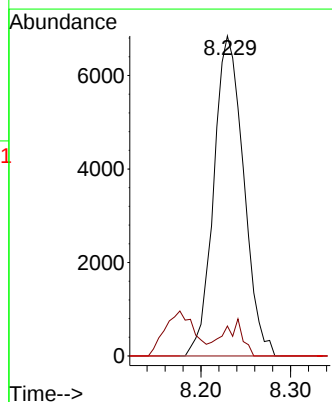
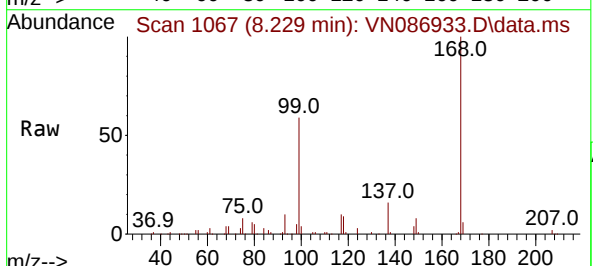
Tgt Ion: 75 Resp: 15813

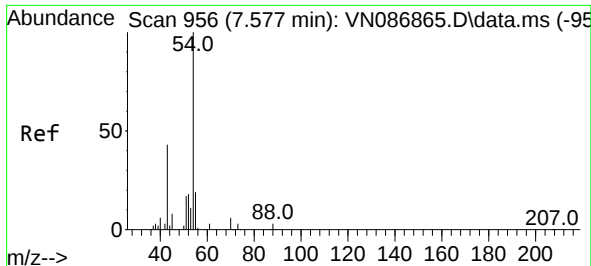
Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.9#

77 0.0 25.3 37.9#

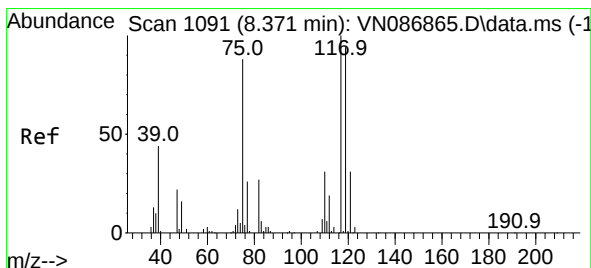
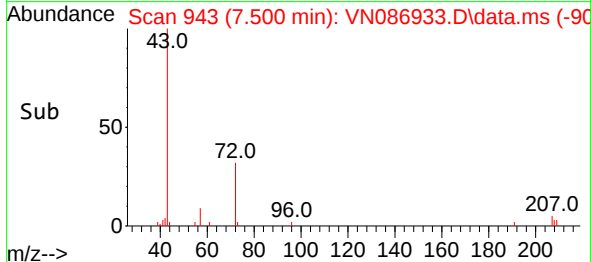
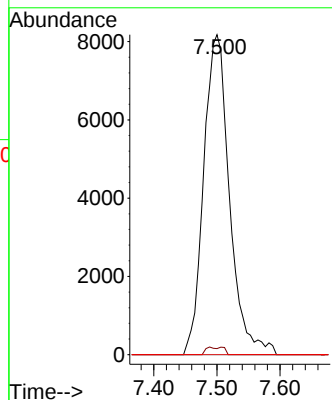
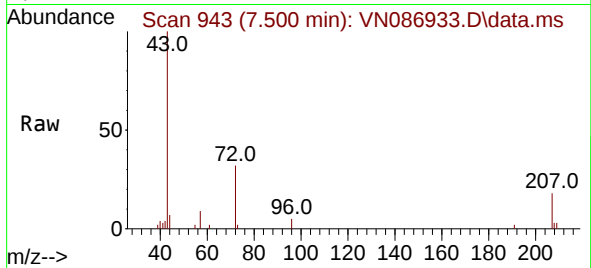




#37
Ethyl Acetate
Concen: 5.363 ug/l
RT: 7.500 min Scan# 943
Delta R.T. -0.077 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

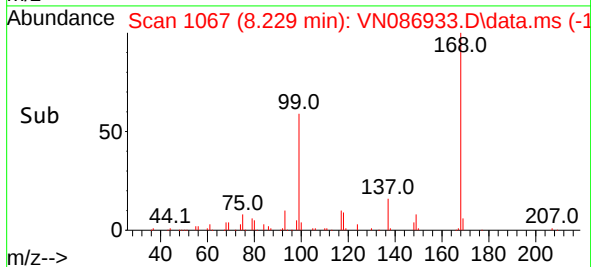
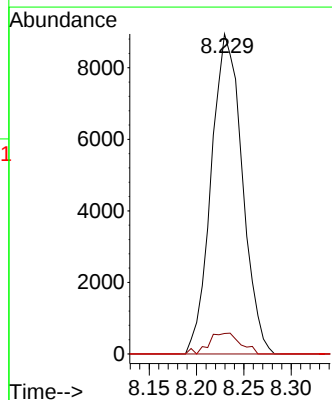
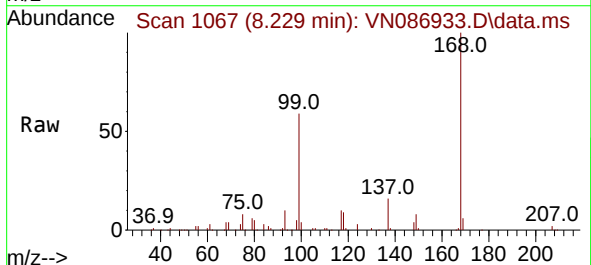
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

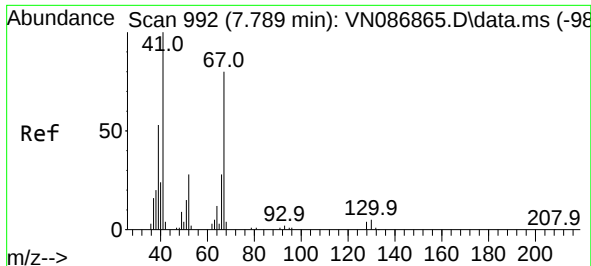
Tgt Ion: 43 Resp: 23219
Ion Ratio Lower Upper
43 100
61 1.6 12.1 18.1#
70 0.0 9.8 14.6#



#38
Carbon Tetrachloride
Concen: 6.116 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

Tgt Ion: 117 Resp: 20421
Ion Ratio Lower Upper
117 100
119 6.4 75.0 112.6#
121 0.0 24.9 37.3#

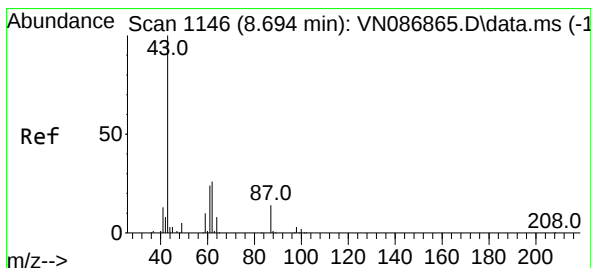
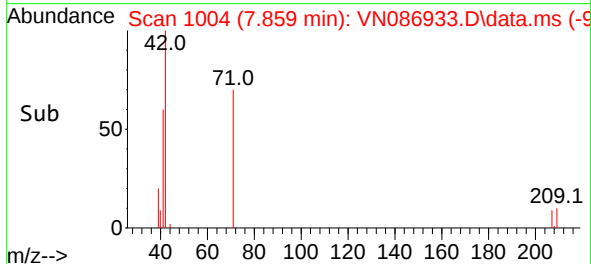
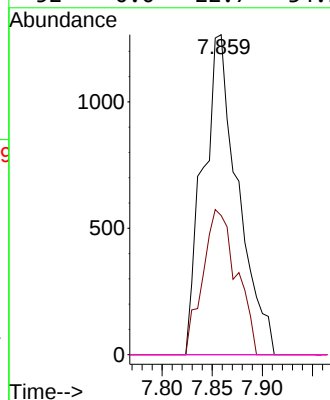
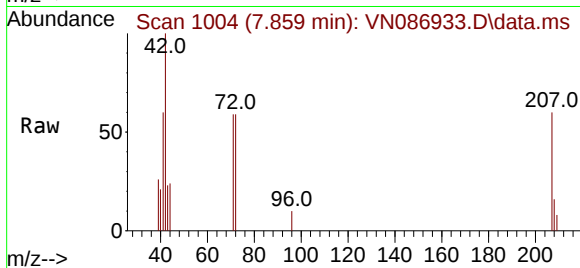




#41
Methacrylonitrile
Concen: 1.259 ug/l
RT: 7.859 min Scan# 1192
Delta R.T. 0.070 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

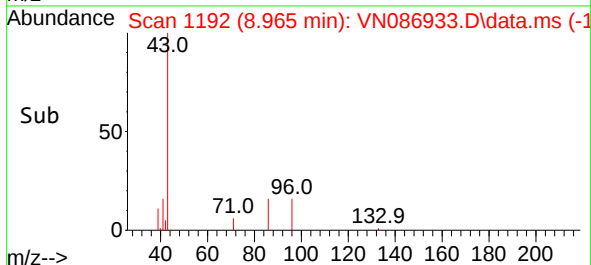
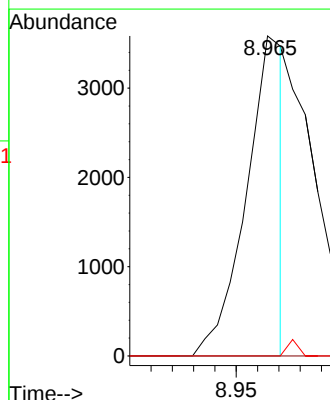
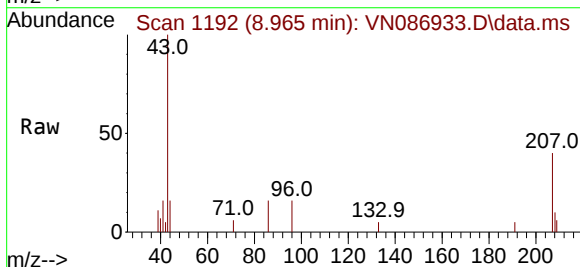
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

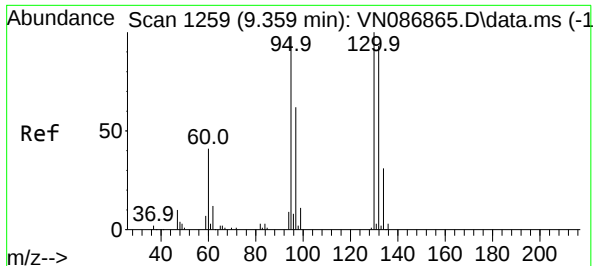
Tgt Ion:	41	Resp:	3061
Ion	Ratio	Lower	Upper
41	100		
39	44.0	41.2	61.8
67	0.0	61.4	92.2#
52	0.0	22.7	34.1#



#43
Isopropyl Acetate
Concen: 0.632 ug/l
RT: 8.965 min Scan# 1192
Delta R.T. 0.270 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

Tgt Ion:	43	Resp:	4391
Ion	Ratio	Lower	Upper
43	100		
61	0.0	22.1	33.1#
87	0.0	11.8	17.6#

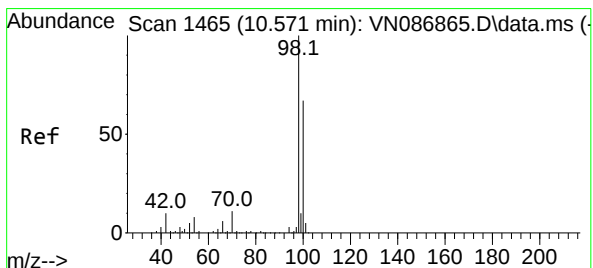
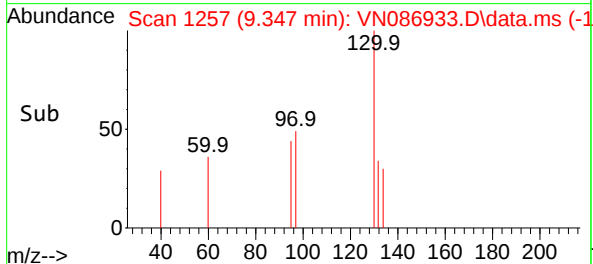
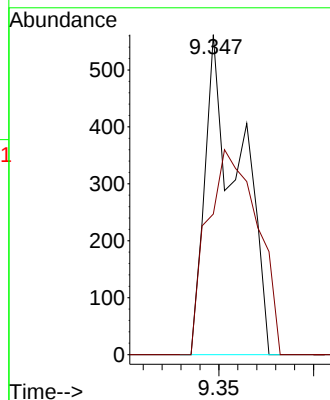
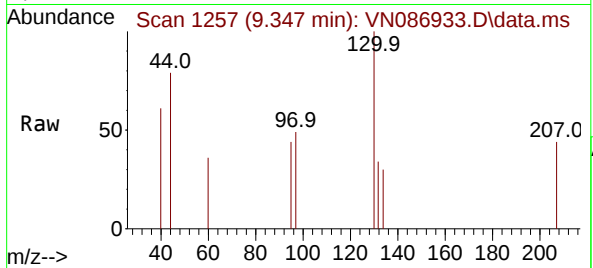




#44
Trichloroethene
Concen: 0.272 ug/l
RT: 9.347 min Scan# 11
Delta R.T. -0.012 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

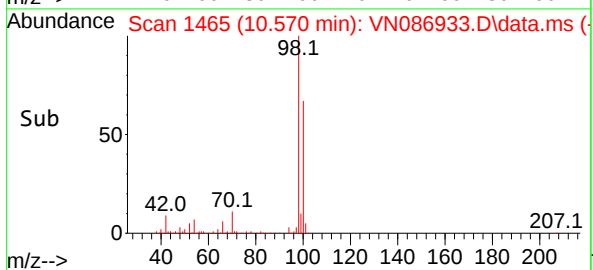
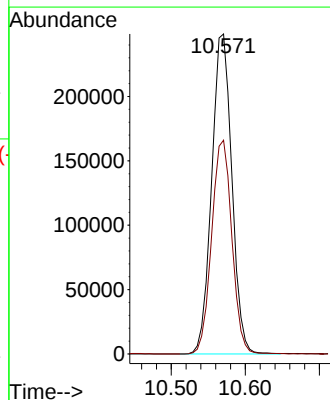
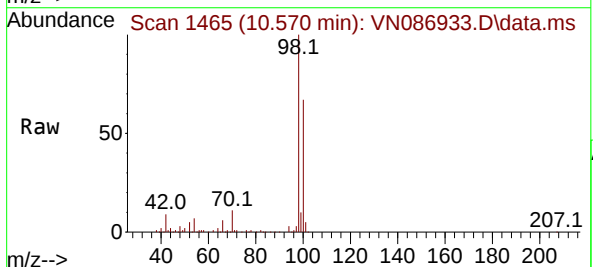
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

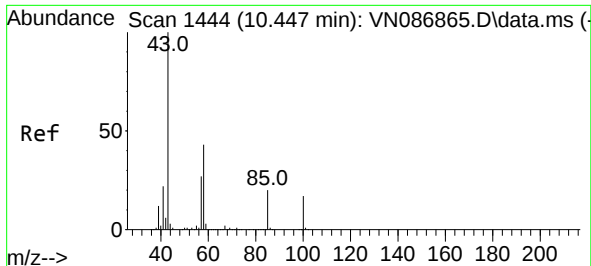
Tgt Ion:130 Resp: 717
Ion Ratio Lower Upper
130 100
95 44.0 0.0 196.2



#50
Toluene-d8
Concen: 51.965 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

Tgt Ion: 98 Resp: 469495
Ion Ratio Lower Upper
98 100
100 67.0 53.4 80.0

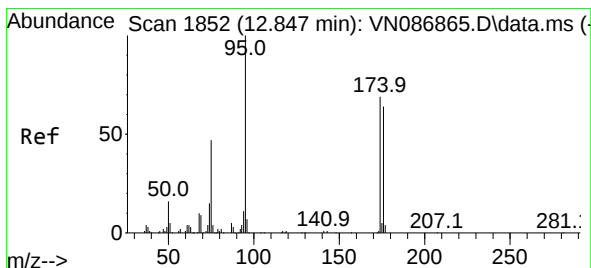
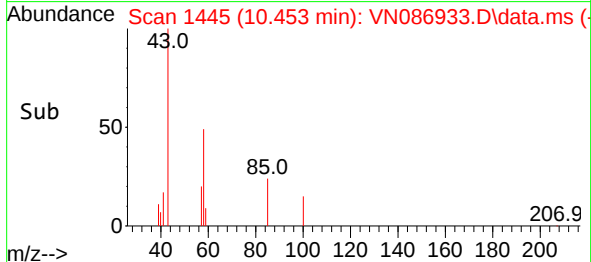
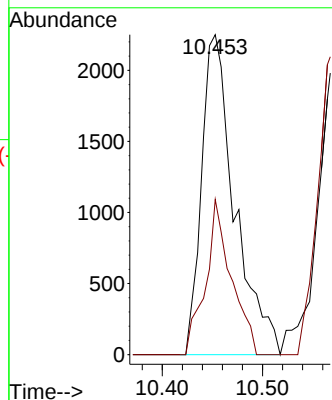
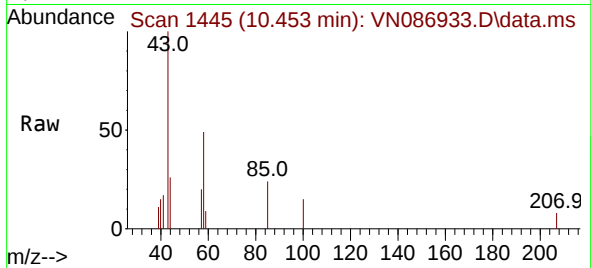




#51
4-Methyl-2-Pentanone
Concen: 1.233 ug/l
RT: 10.453 min Scan# 1445
Delta R.T. 0.006 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

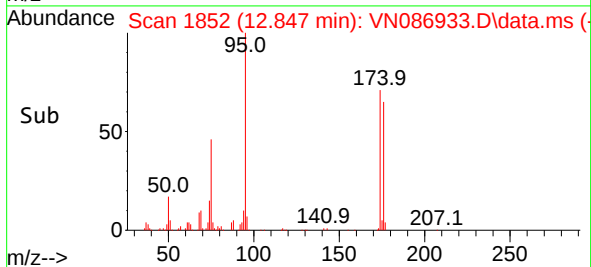
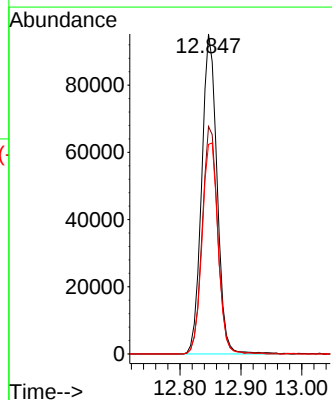
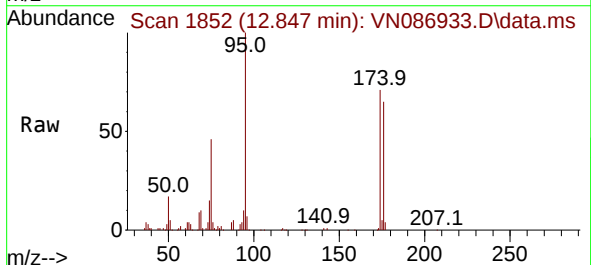
Instrument :
MSVOA_N
ClientSampleId :
BP-VPB-182-EB-20250604

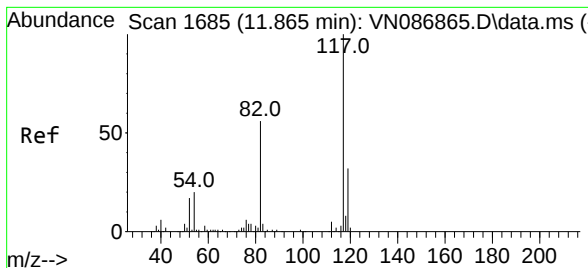
Tgt Ion: 43 Resp: 5159
Ion Ratio Lower Upper
43 100
58 37.6 34.2 51.4



#62
4-Bromofluorobenzene
Concen: 49.740 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086933.D
Acq: 10 Jun 2025 16:48

Tgt Ion: 95 Resp: 166962
Ion Ratio Lower Upper
95 100
174 71.5 0.0 141.8
176 68.6 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: VN086933.D

Acq: 10 Jun 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

BP-VPB-182-EB-20250604

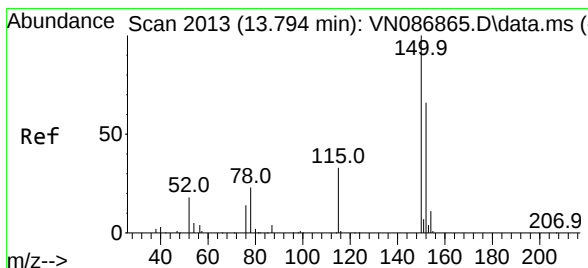
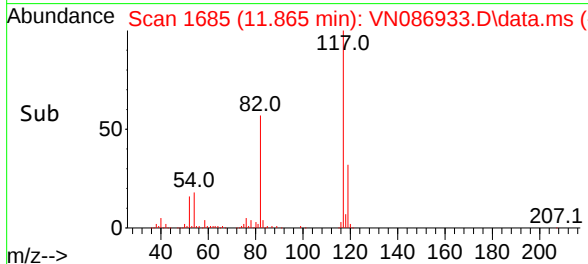
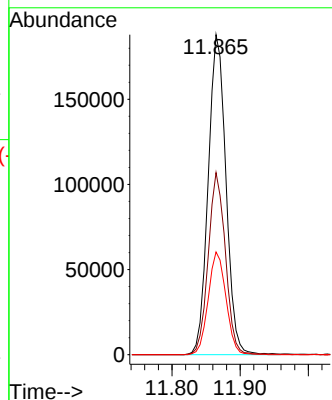
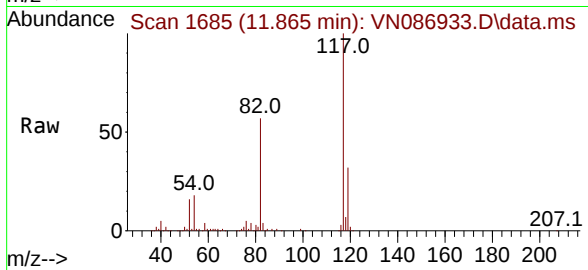
Tgt Ion:117 Resp: 340856

Ion Ratio Lower Upper

117 100

82 56.9 44.6 67.0

119 32.1 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: VN086933.D

Acq: 10 Jun 2025 16:48

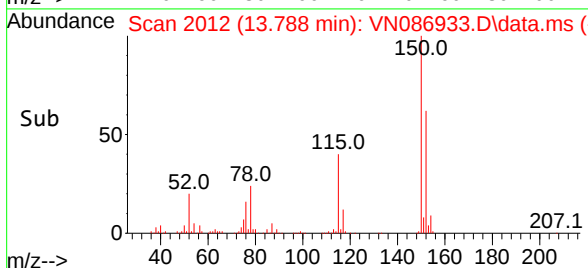
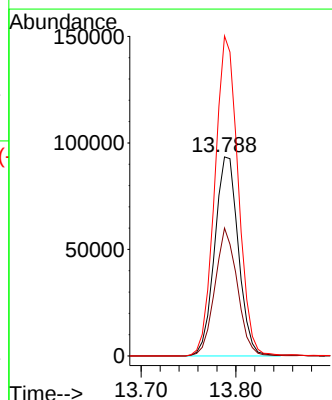
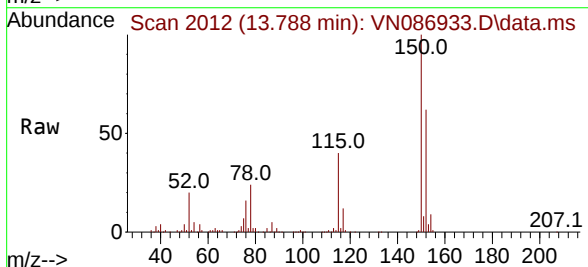
Tgt Ion:152 Resp: 162809

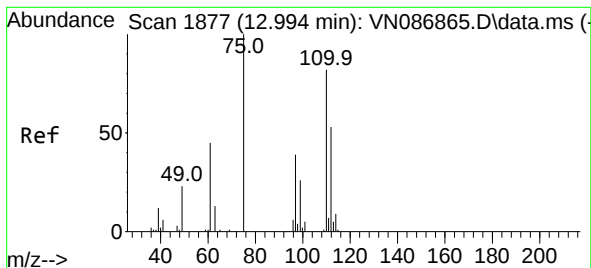
Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.5

150 158.4 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.951 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

Instrument :

MSVOA_N

ClientSampleId :

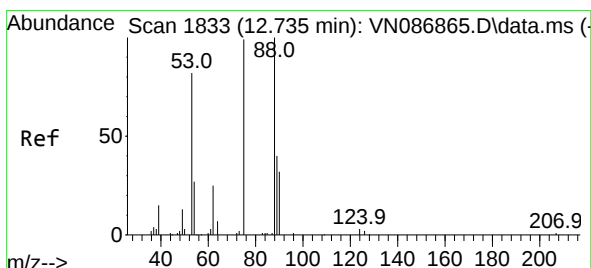
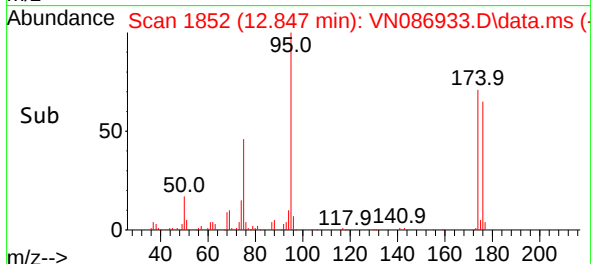
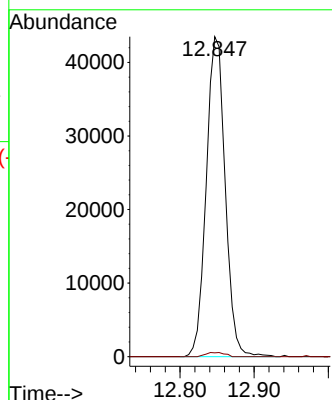
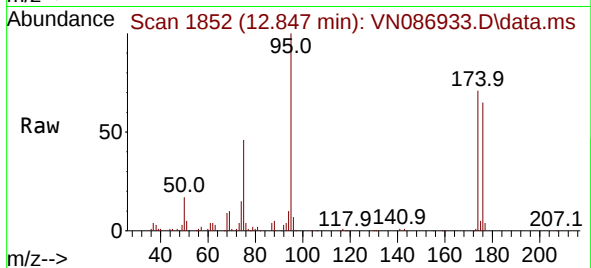
BP-VPB-182-EB-20250604

Tgt Ion: 75 Resp: 77212

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 45.927 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086933.D

Acq: 10 Jun 2025 16:48

Tgt Ion: 75 Resp: 77212

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

