

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087087.D
 Acq On : 18 Jun 2025 15:46
 Operator : JC\MD
 Sample : Q2329-08
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPOW6-11-20250613

Quant Time: Jun 19 01:30:27 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)

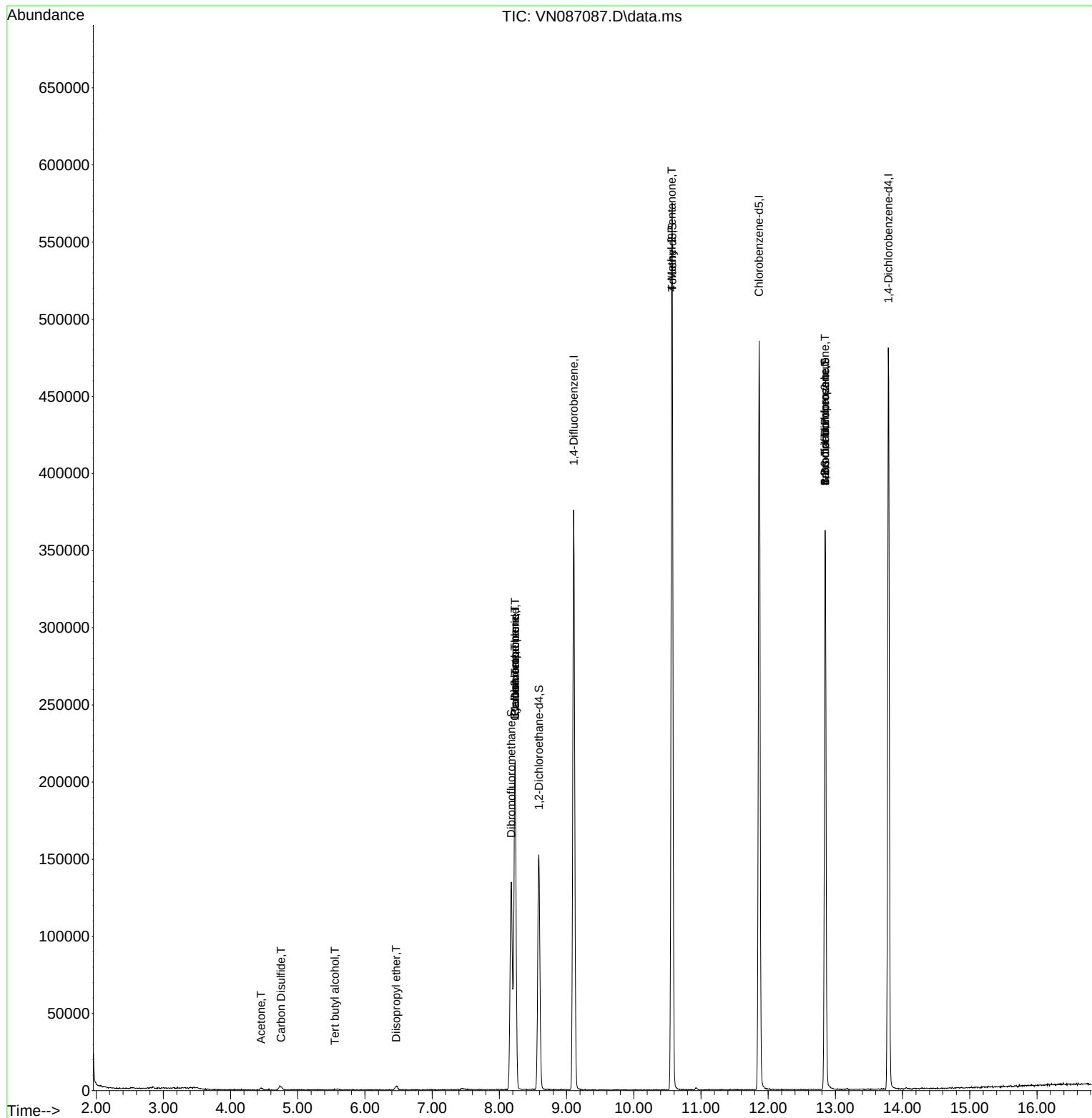
Internal Standards						
1) Pentafluorobenzene	8.236	168	169193	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	343634	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	309468	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	143673	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	125243	55.287	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 110.580%			
35) Dibromofluoromethane	8.177	113	105724	51.916	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 103.840%			
50) Toluene-d8	10.571	98	424060	52.601	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.200%			
62) 4-Bromofluorobenzene	12.847	95	146651	48.962	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.920%			
Target Compounds						Qvalue
11) Tert butyl alcohol	5.553	59	529	0.861	ug/l #	73
16) Acetone	4.453	43	2279	1.897	ug/l	89
17) Carbon Disulfide	4.753	76	2606	0.500	ug/l #	75
22) Diisopropyl ether	6.465	45	1455	0.221	ug/l #	16
31) Cyclohexane	8.230	56	3068	0.835	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	12547	4.135	ug/l #	49
38) Carbon Tetrachloride	8.236	117	16401	5.505	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1244	0.333	ug/l #	1
71) Bromoform	12.847	173	639	0.393	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	68405	20.030	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	68405	46.108	ug/l #	16

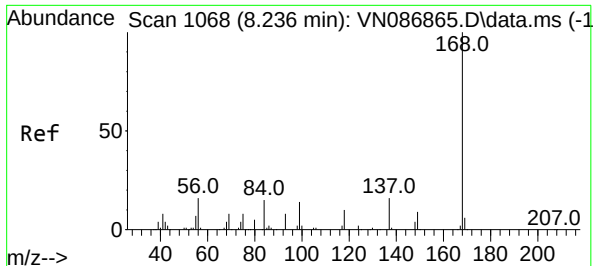
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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BPOW6-11-20250613

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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

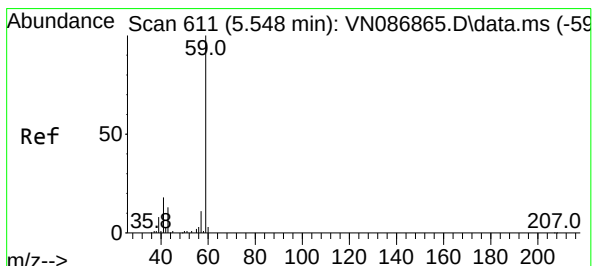
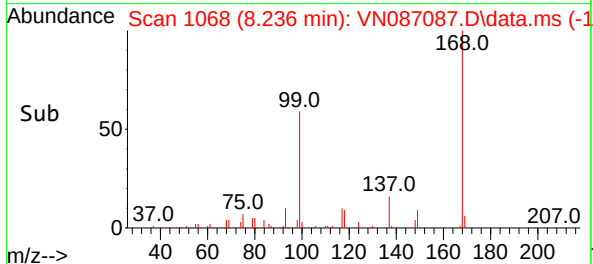
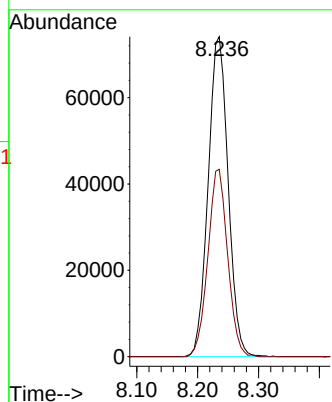
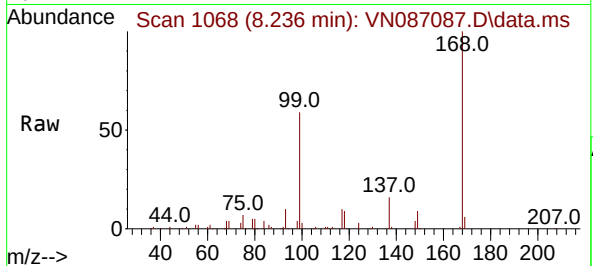




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

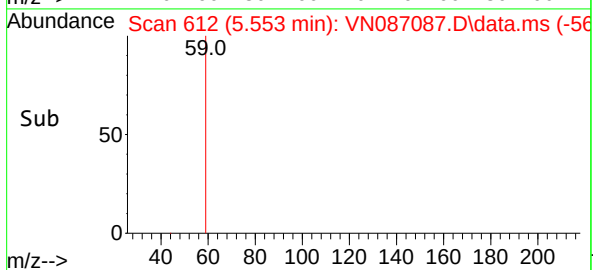
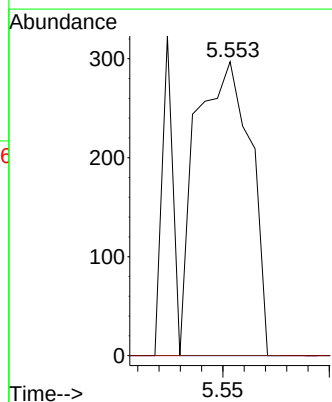
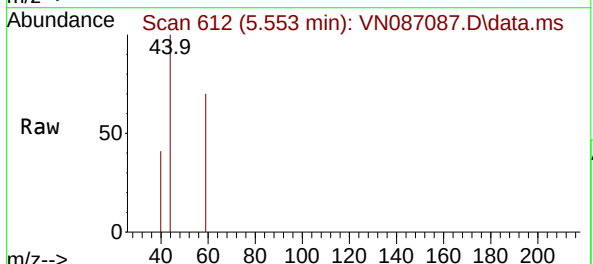
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

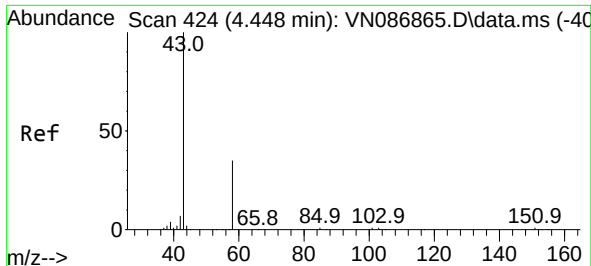
Tgt Ion:168 Resp: 169193
Ion Ratio Lower Upper
168 100
99 58.5 49.1 73.7



#11
Tert butyl alcohol
Concen: 0.861 ug/l
RT: 5.553 min Scan# 612
Delta R.T. 0.006 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 59 Resp: 529
Ion Ratio Lower Upper
59 100
57 0.0 8.1 12.1#

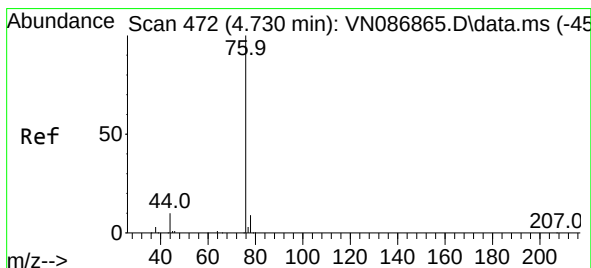
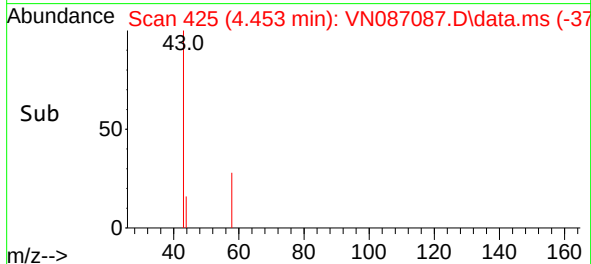
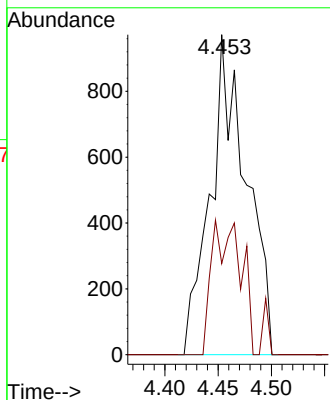
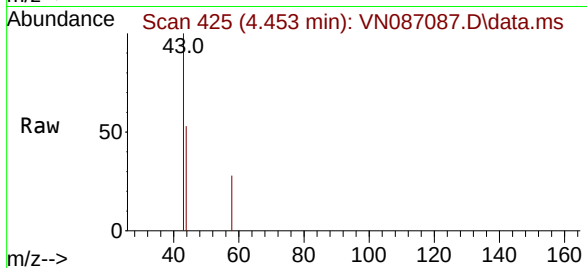




#16
Acetone
Concen: 1.897 ug/l
RT: 4.453 min Scan# 41
Delta R.T. 0.006 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

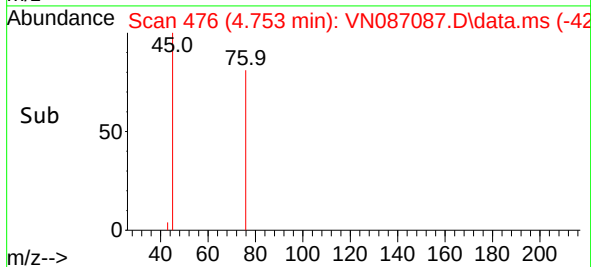
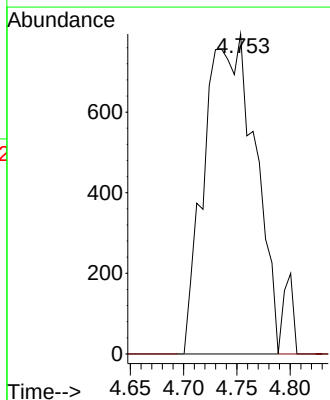
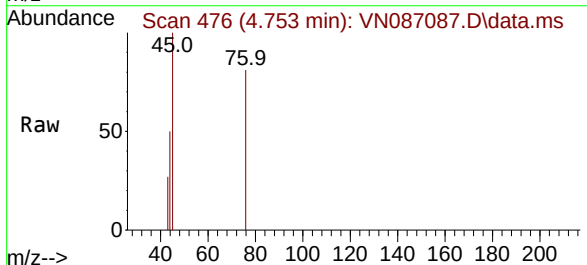
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

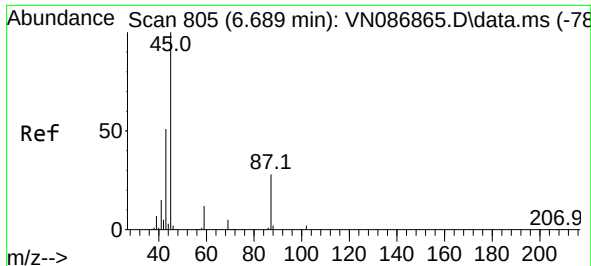
Tgt Ion: 43 Resp: 2279
Ion Ratio Lower Upper
43 100
58 28.5 28.0 42.0



#17
Carbon Disulfide
Concen: 0.500 ug/l
RT: 4.753 min Scan# 476
Delta R.T. 0.023 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 76 Resp: 2606
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

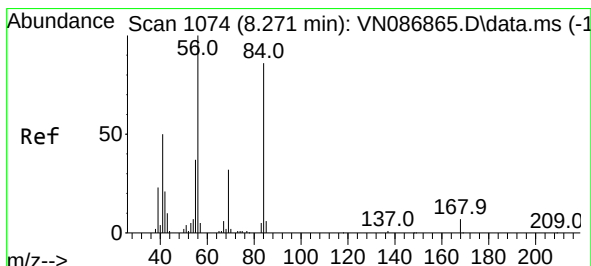
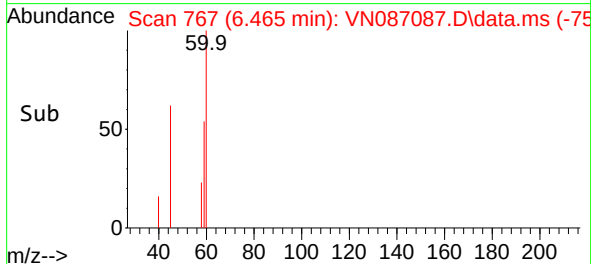
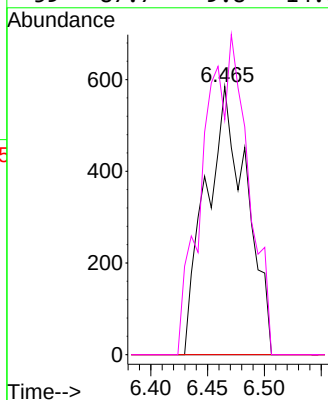
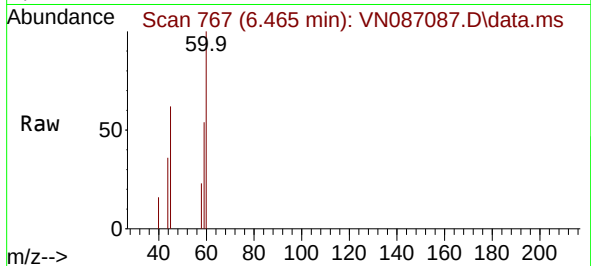




#22
Diisopropyl ether
Concen: 0.221 ug/l
RT: 6.465 min Scan# 70
Delta R.T. -0.224 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

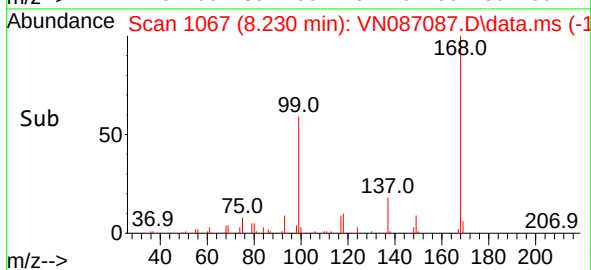
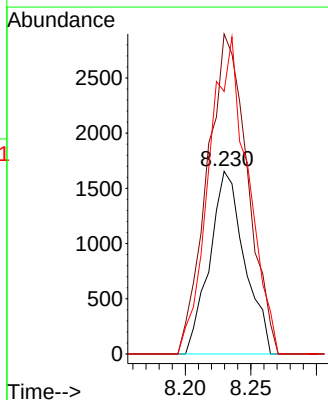
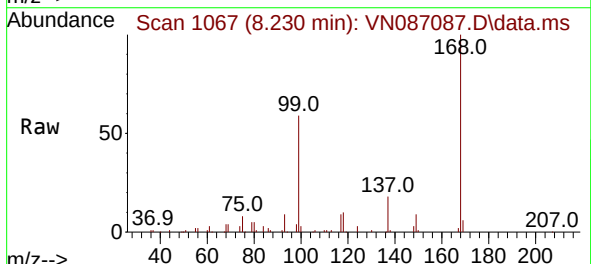
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

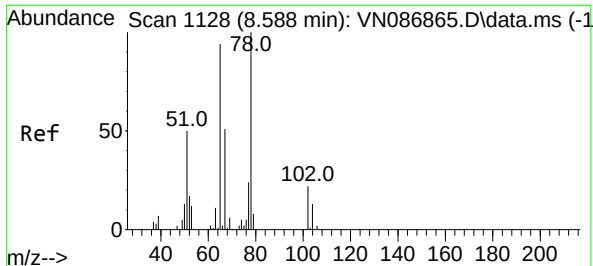
Tgt Ion:	45	Resp:	1455
Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.9	62.9#
87	0.0	22.4	33.6#
59	87.7	9.8	14.6#



#31
Cyclohexane
Concen: 0.835 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion:	56	Resp:	3068
Ion	Ratio	Lower	Upper
56	100		
69	175.3	25.4	38.0#
84	143.8	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 55.287 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087087.D

Acq: 18 Jun 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

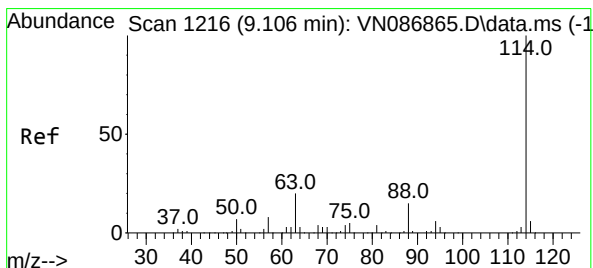
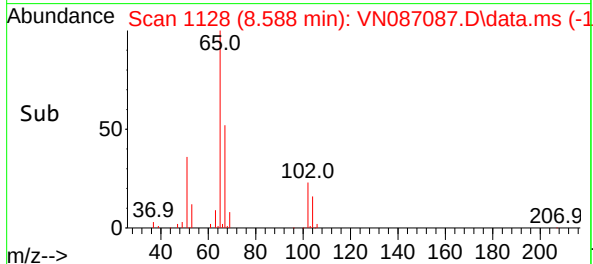
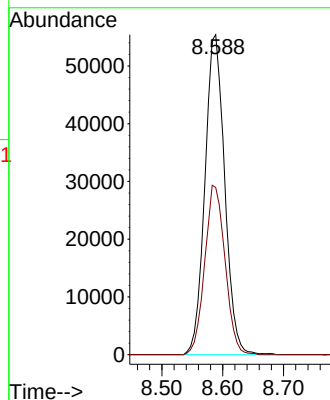
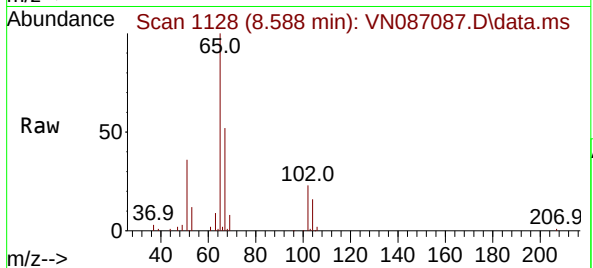
BPOW6-11-20250613

Tgt Ion: 65 Resp: 125243

Ion Ratio Lower Upper

65 100

67 54.2 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: VN087087.D

Acq: 18 Jun 2025 15:46

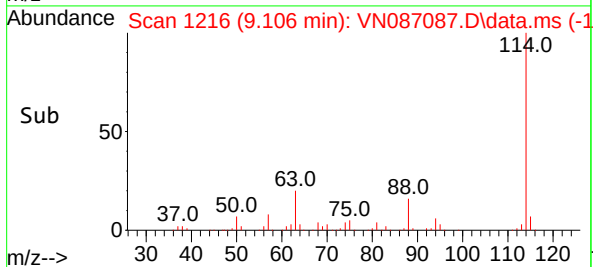
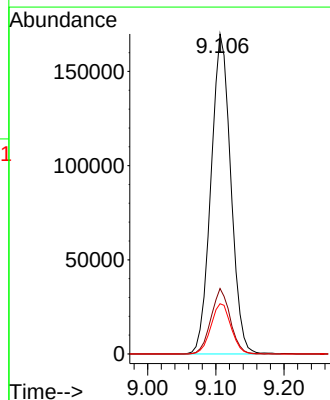
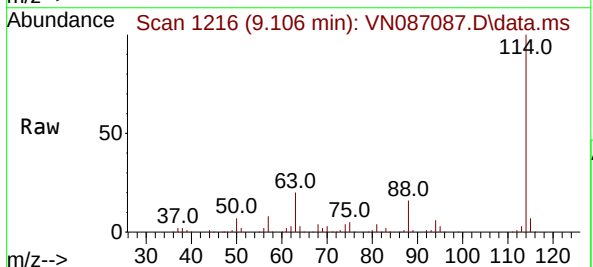
Tgt Ion: 114 Resp: 343634

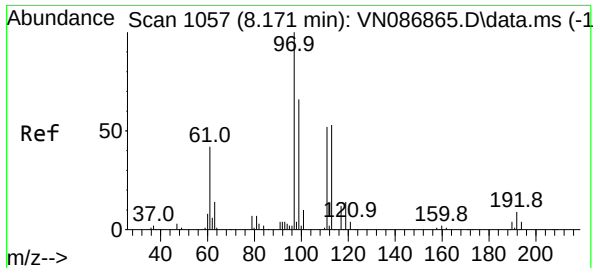
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.7 0.0 30.2

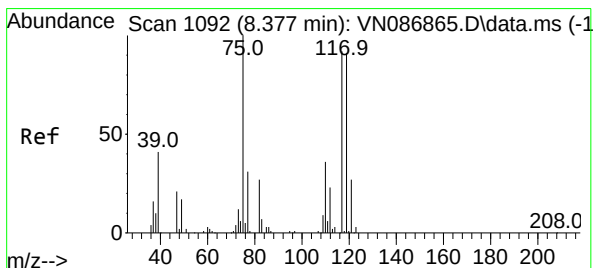
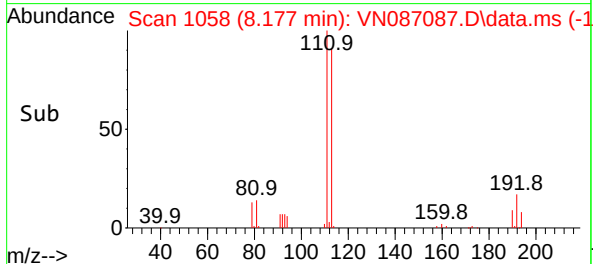
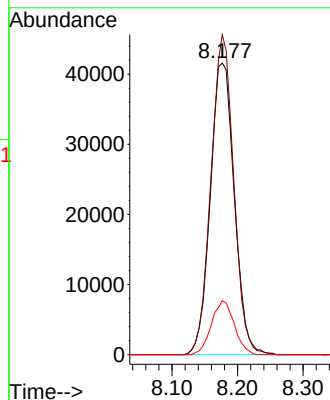
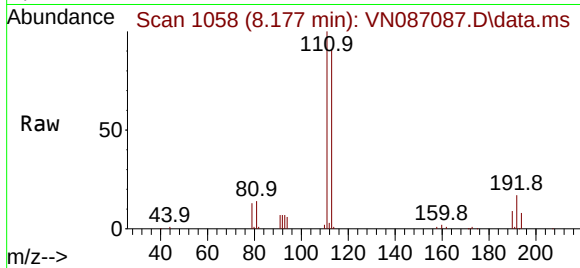




#35
Dibromofluoromethane
Concen: 51.916 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

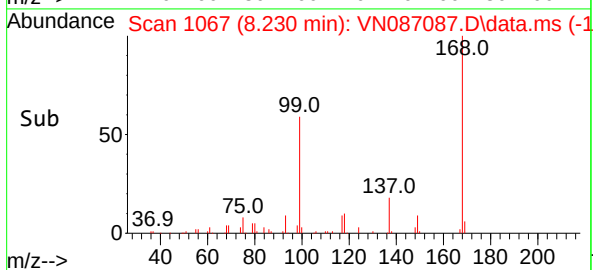
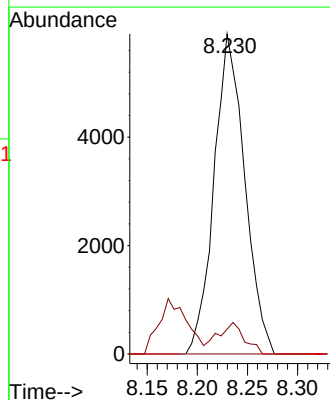
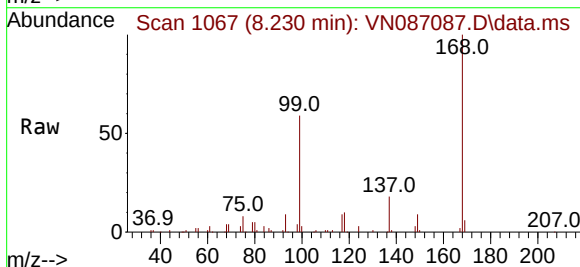
Instrument :
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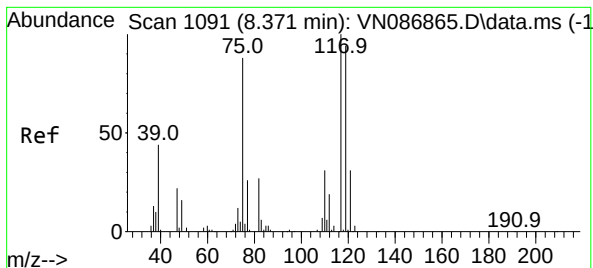
Tgt Ion:113 Resp: 105724
Ion Ratio Lower Upper
113 100
111 103.9 84.2 126.2
192 17.6 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.135 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.147 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 75 Resp: 12547
Ion Ratio Lower Upper
75 100
110 8.5 17.6 52.9#
77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.505 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN087087.D

Acq: 18 Jun 2025 15:46

Instrument :

MSVOA_N

ClientSampleId :

BPOW6-11-20250613

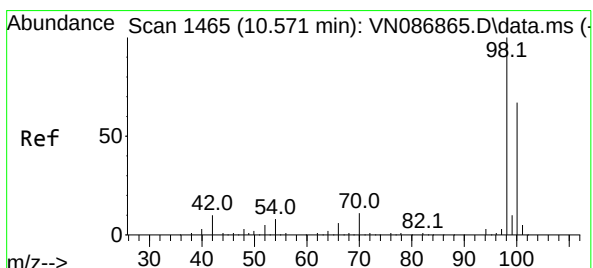
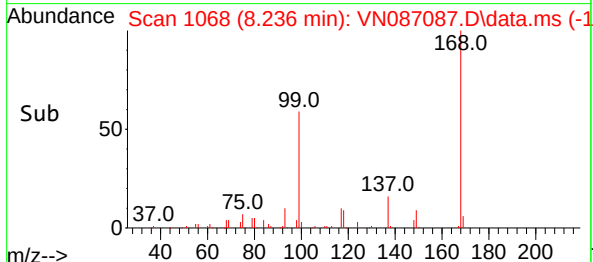
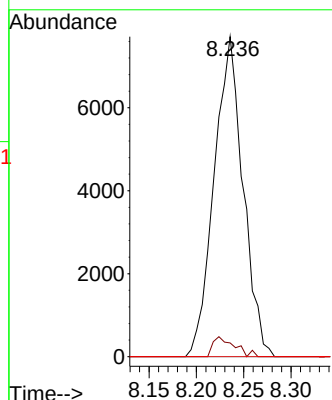
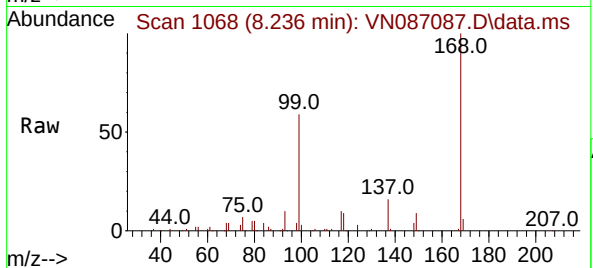
Tgt Ion:117 Resp: 16401

Ion Ratio Lower Upper

117 100

119 4.3 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.601 ug/l

RT: 10.571 min Scan# 1465

Delta R.T. -0.000 min

Lab File: VN087087.D

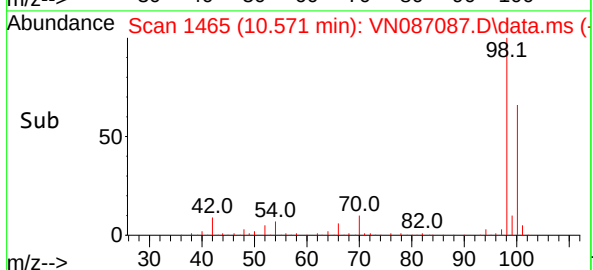
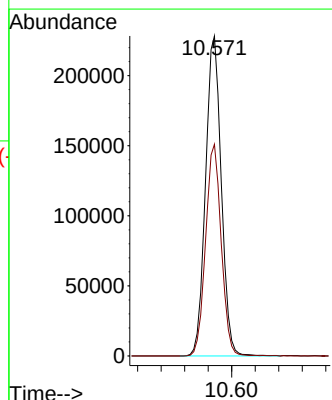
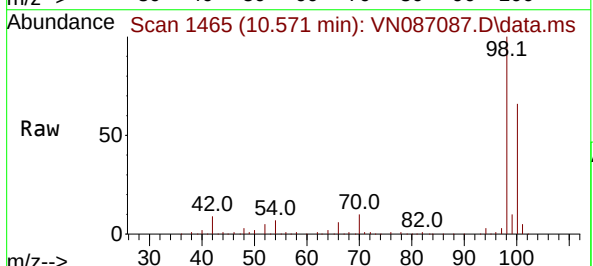
Acq: 18 Jun 2025 15:46

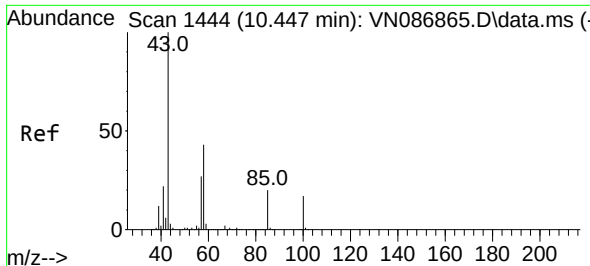
Tgt Ion: 98 Resp: 424060

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0

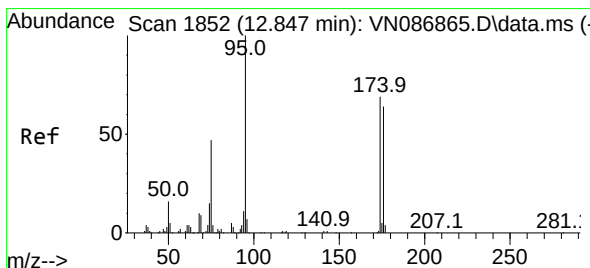
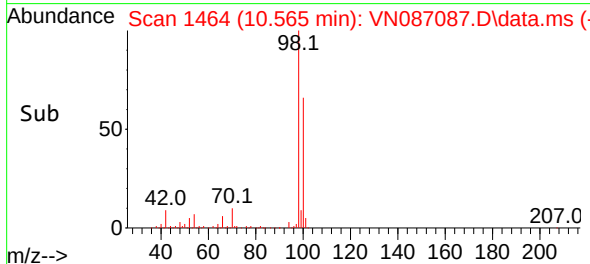
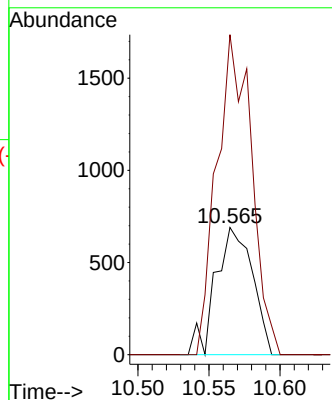
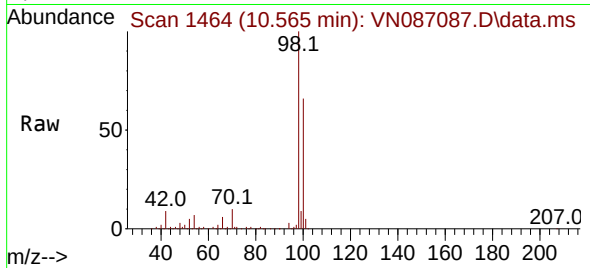




#51
4-Methyl-2-Pentanone
Concen: 0.333 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

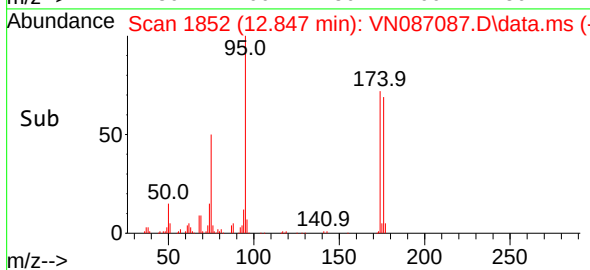
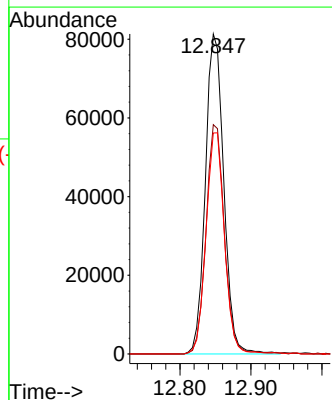
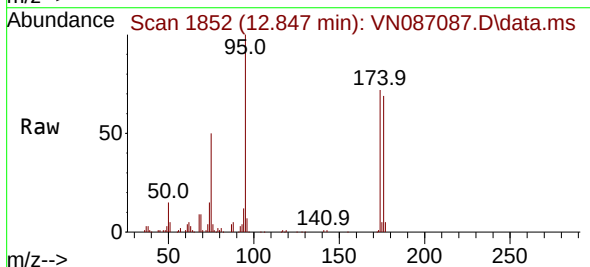
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

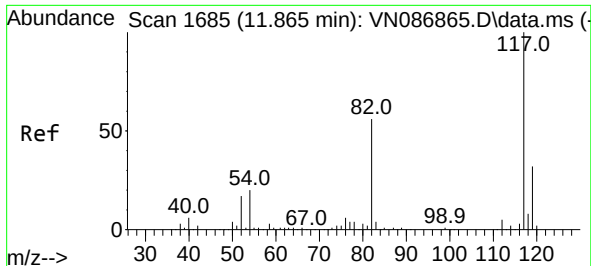
Tgt Ion: 43 Resp: 1244
Ion Ratio Lower Upper
43 100
58 237.1 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 48.962 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion: 95 Resp: 146651
Ion Ratio Lower Upper
95 100
174 71.6 0.0 141.8
176 69.2 0.0 132.6

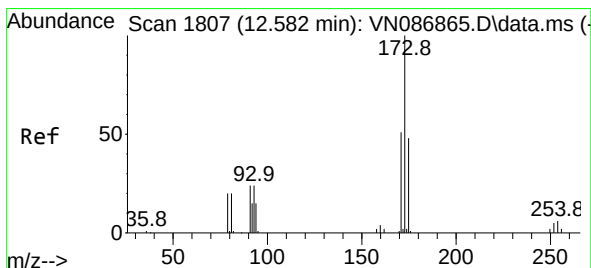
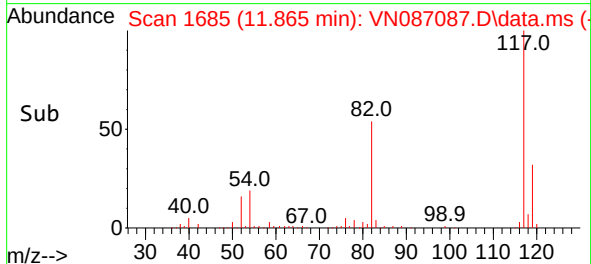
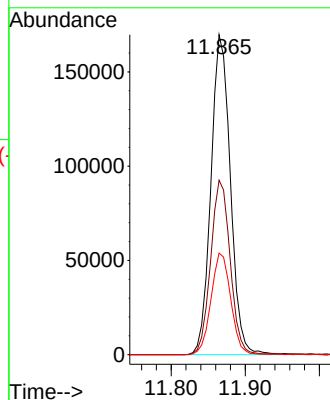
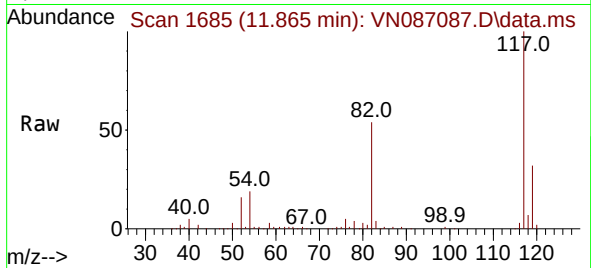




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

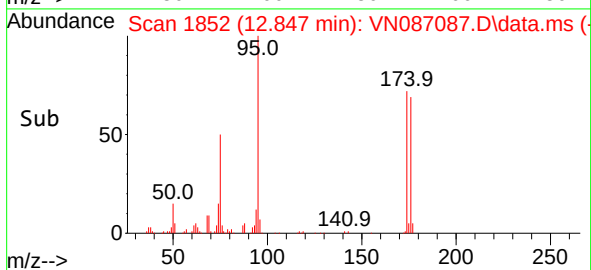
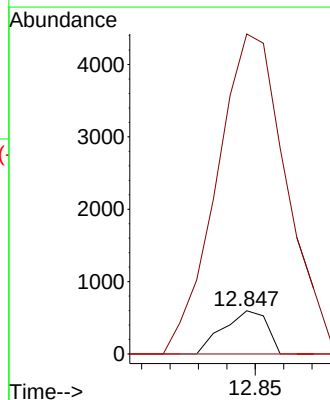
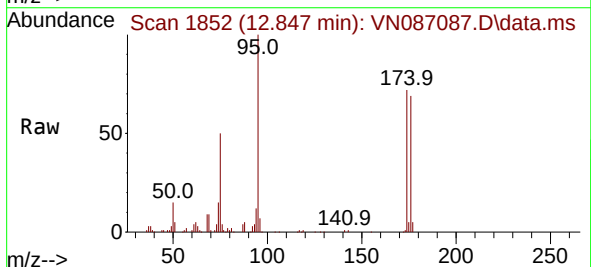
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

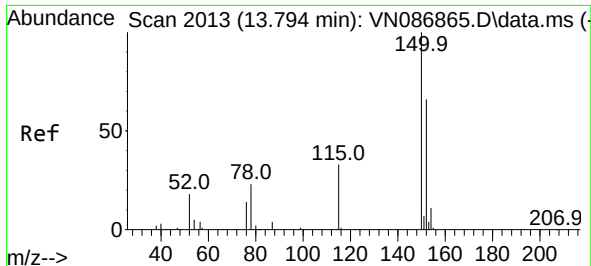
Tgt Ion:117 Resp: 309468
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.393 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

Tgt Ion:173 Resp: 639
Ion Ratio Lower Upper
173 100
175 1033.6 24.1 72.4#
254 0.0 0.0 0.0

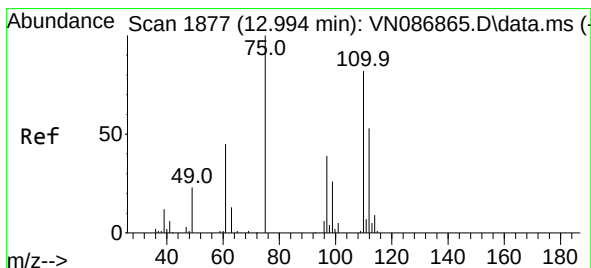
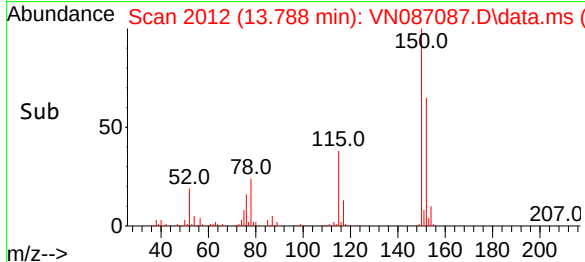
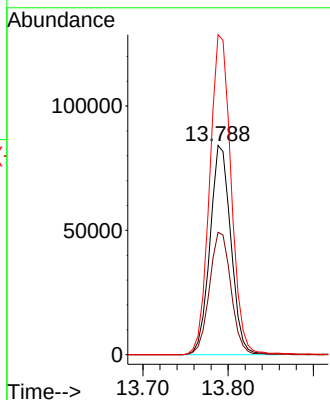
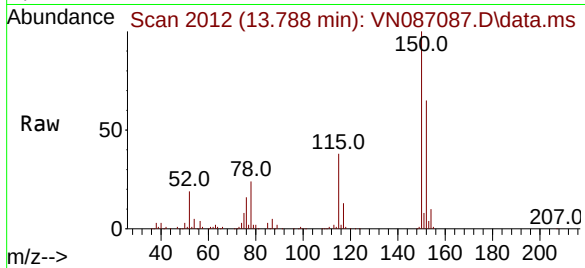




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. -0.006 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

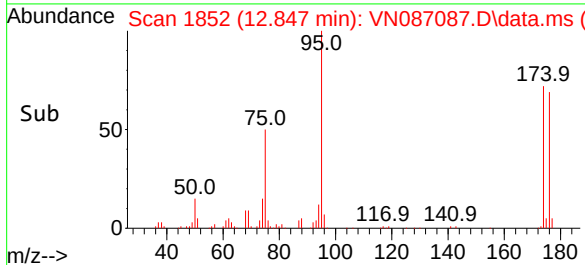
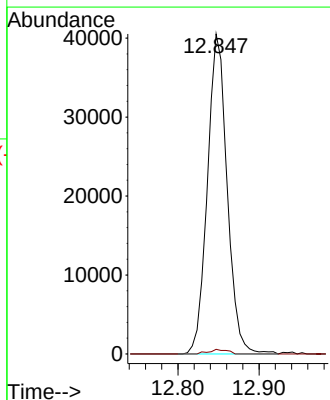
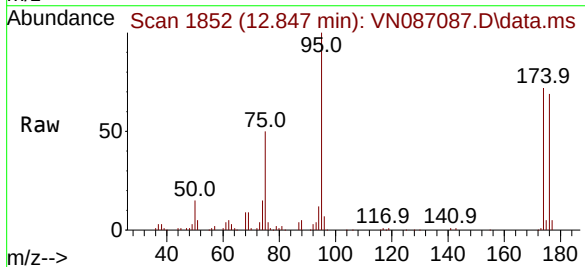
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-11-20250613

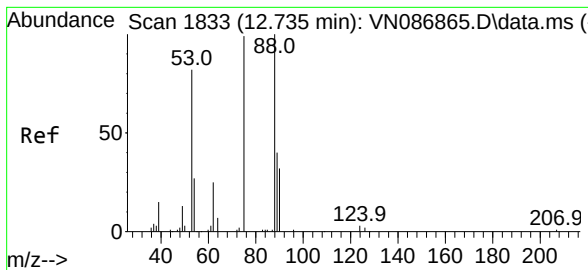
Tgt Ion:152 Resp: 143673
Ion Ratio Lower Upper
152 100
115 60.4 30.1 90.5
150 157.1 0.0 345.0



#76
1,2,3-Trichloropropane
Concen: 20.030 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087087.D
Acq: 18 Jun 2025 15:46

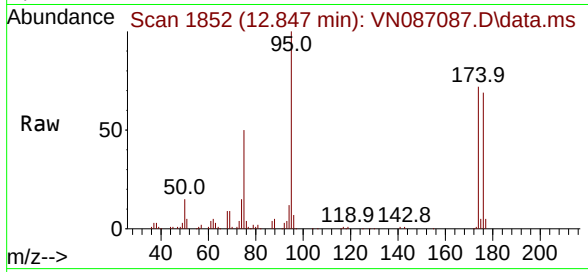
Tgt Ion: 75 Resp: 68405
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.108 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087087.D
 Acq: 18 Jun 2025 15:46

Instrument :
 MSVOA_N
 ClientSampleId :
 BPOW6-11-20250613



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

