

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087086.D
 Acq On : 18 Jun 2025 15:24
 Operator : JC\MD
 Sample : Q2329-07
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 BPOW6-8-20250613

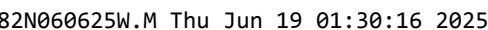
Quant Time: Jun 19 01:30:06 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

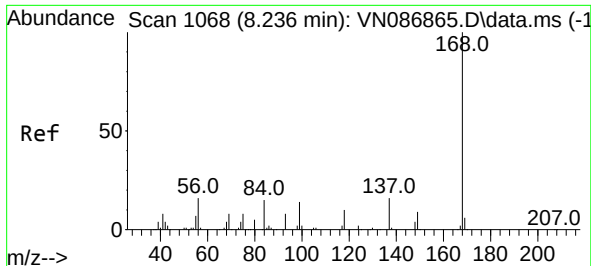
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.236	168	192609	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	387116	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	350512	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	166828	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	141923	55.034	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 110.060%	
35) Dibromofluoromethane	8.177	113	121049	52.764	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 105.520%	
50) Toluene-d8	10.571	98	475637	52.372	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 104.740%	
62) 4-Bromofluorobenzene	12.847	95	170111	50.415	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 100.840%	
Target Compounds						
					Qvalue	
3) Chloromethane	2.395	50	633	0.255	ug/l	89
16) Acetone	4.459	43	2065	1.510	ug/l	98
17) Carbon Disulfide	4.748	76	2959	0.499	ug/l #	75
22) Diisopropyl ether	6.465	45	2279	0.304	ug/l #	2
31) Cyclohexane	8.230	56	3692	0.883	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	14683	4.295	ug/l #	49
38) Carbon Tetrachloride	8.236	117	18806	5.603	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	1788	0.425	ug/l #	1
71) Bromoform	12.847	173	949	0.515	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76738	19.351	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76738	44.545	ug/l #	16

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

Quant Time: Jun 19 01:30:06 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

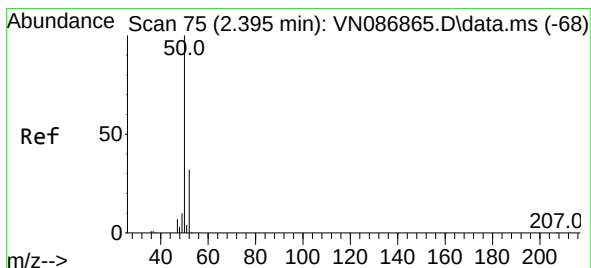
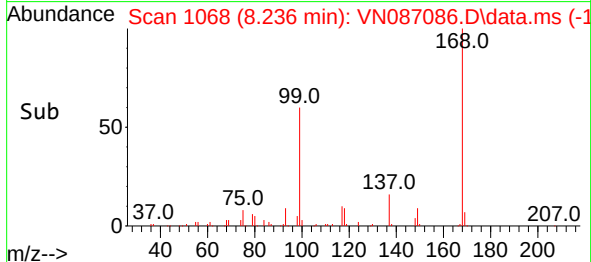
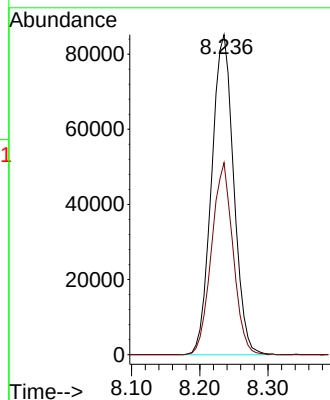
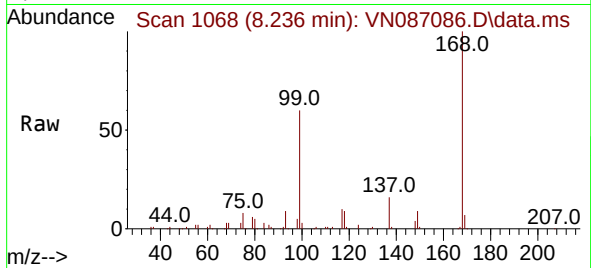




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.000 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

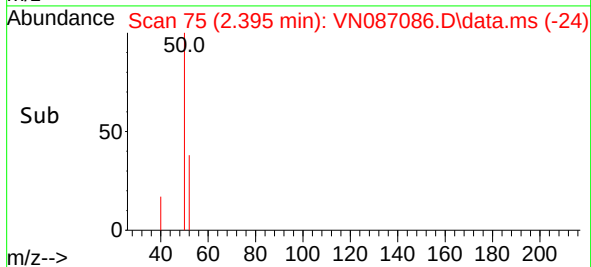
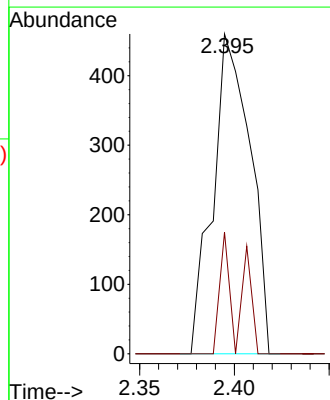
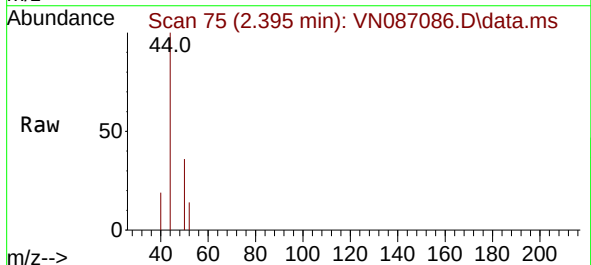
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

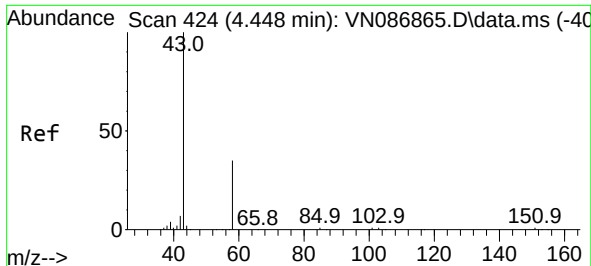
Tgt Ion:168 Resp: 192609
Ion Ratio Lower Upper
168 100
99 60.0 49.1 73.7



#3
Chloromethane
Concen: 0.255 ug/l
RT: 2.395 min Scan# 75
Delta R.T. -0.000 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 50 Resp: 633
Ion Ratio Lower Upper
50 100
52 38.0 25.7 38.5

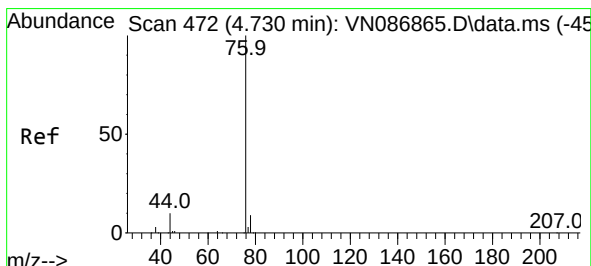
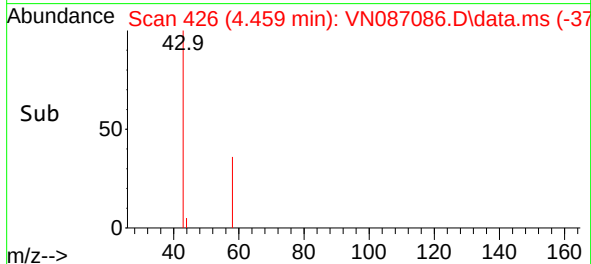
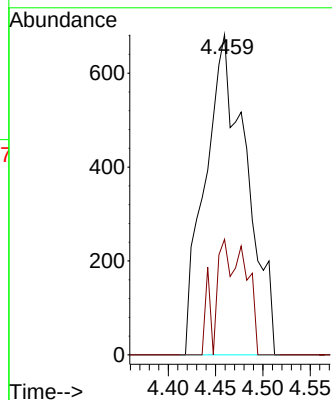
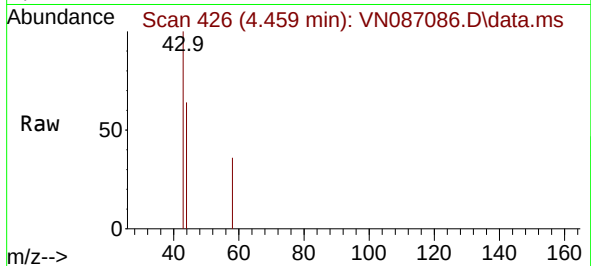




#16
Acetone
Concen: 1.510 ug/l
RT: 4.459 min Scan# 41
Delta R.T. 0.012 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

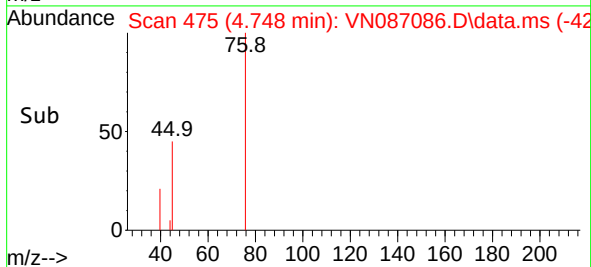
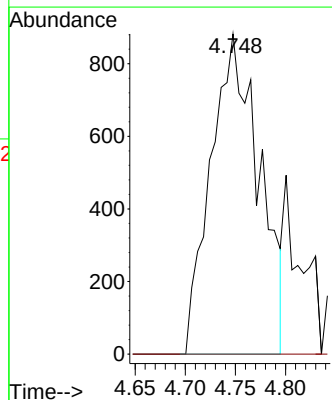
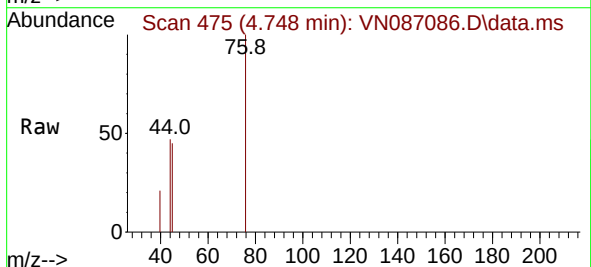
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

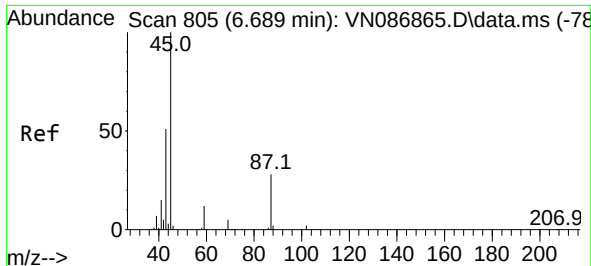
Tgt Ion: 43 Resp: 2065
Ion Ratio Lower Upper
43 100
58 36.1 28.0 42.0



#17
Carbon Disulfide
Concen: 0.499 ug/l
RT: 4.748 min Scan# 475
Delta R.T. 0.018 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

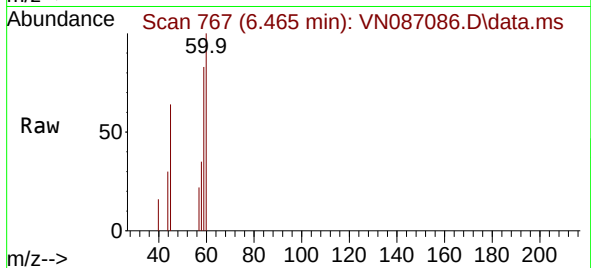
Tgt Ion: 76 Resp: 2959
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#



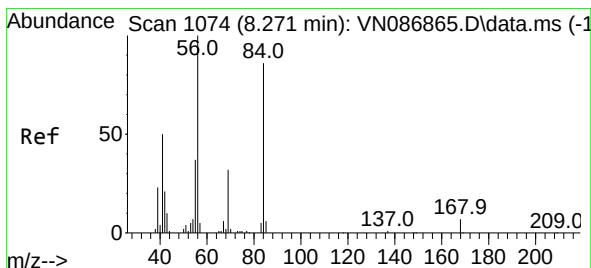
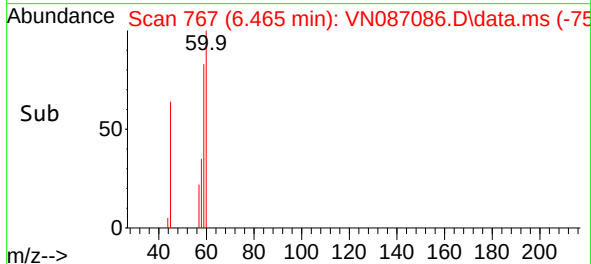
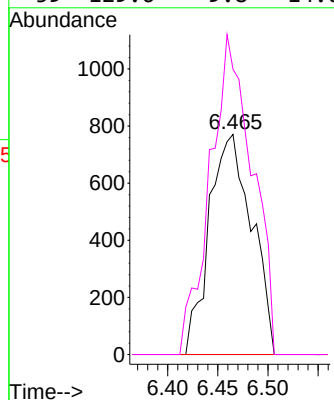


#22
Diisopropyl ether
Concen: 0.304 ug/l
RT: 6.465 min Scan# 71
Delta R.T. -0.224 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

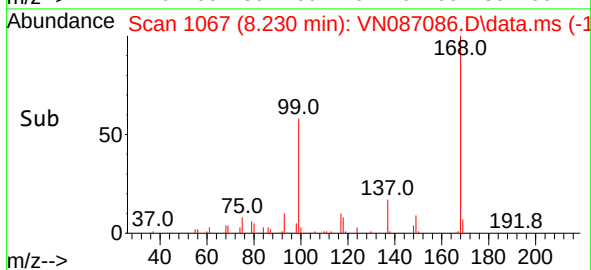
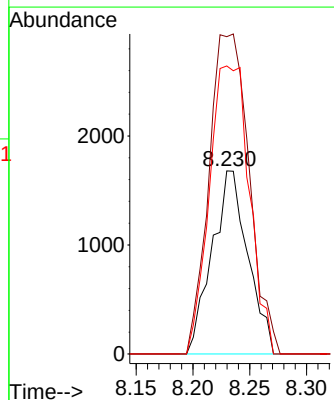
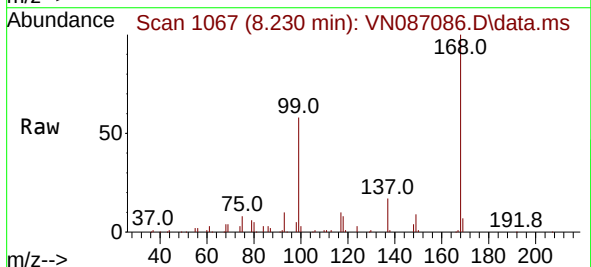


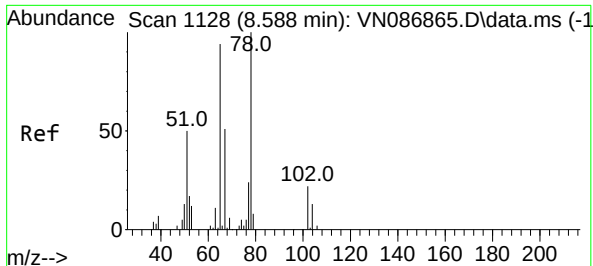
Tgt Ion	Ratio	Lower	Upper
45	100		
43	0.0	41.9	62.9#
87	0.0	22.4	33.6#
59	129.6	9.8	14.6#



#31
Cyclohexane
Concen: 0.883 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Tgt Ion	Ratio	Lower	Upper
56	100		
69	173.3	25.4	38.0#
84	157.3	68.8	103.2#





#33

1,2-Dichloroethane-d4

Concen: 55.034 ug/l

RT: 8.588 min Scan# 1128

Delta R.T. -0.000 min

Lab File: VN087086.D

Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

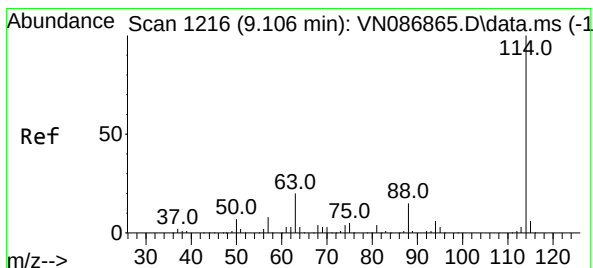
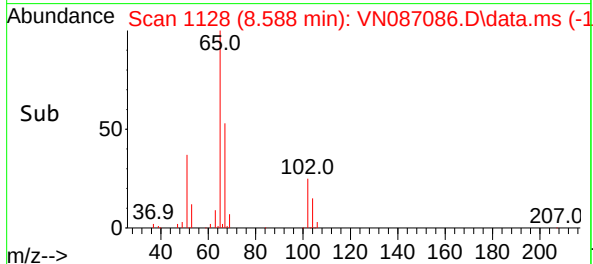
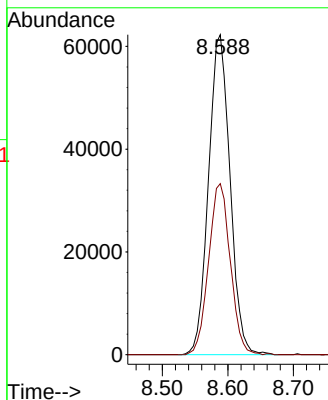
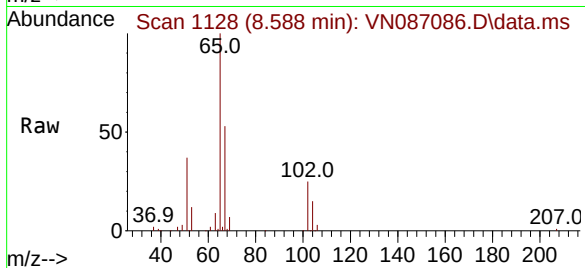
BPOW6-8-20250613

Tgt Ion: 65 Resp: 141923

Ion Ratio Lower Upper

65 100

67 53.8 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: VN087086.D

Acq: 18 Jun 2025 15:24

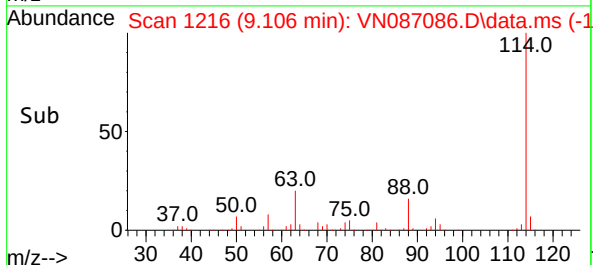
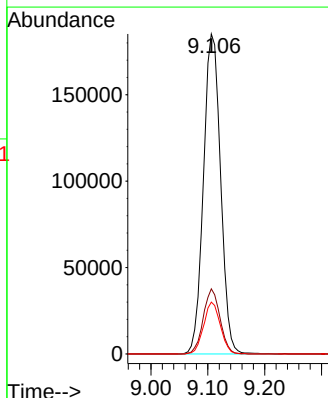
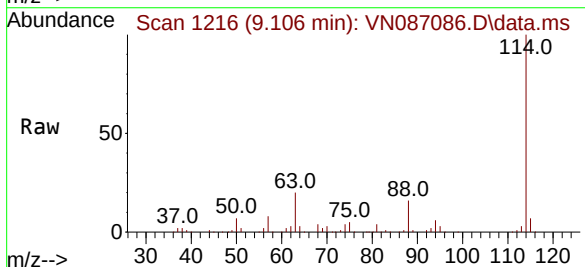
Tgt Ion: 114 Resp: 387116

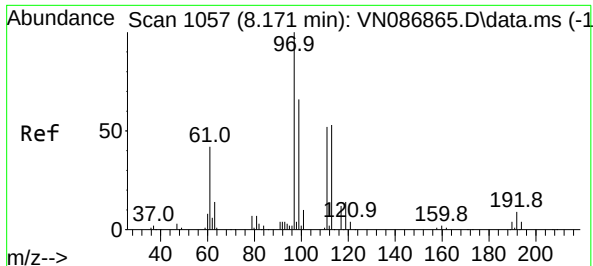
Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 16.2 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.764 ug/l

RT: 8.177 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN087086.D

Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

BPOW6-8-20250613

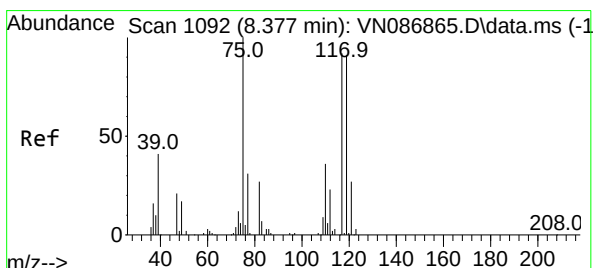
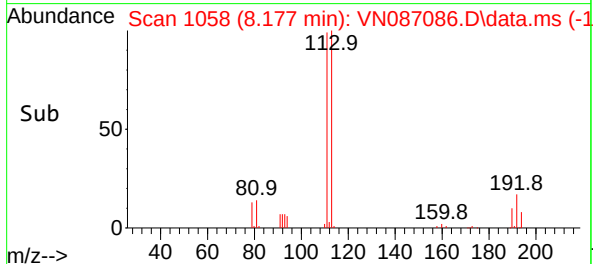
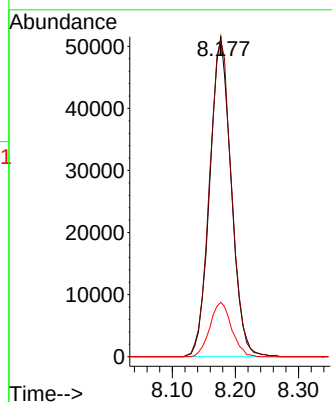
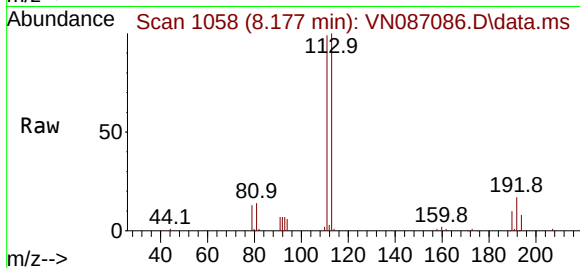
Tgt Ion:113 Resp: 121049

Ion Ratio Lower Upper

113 100

111 102.0 84.2 126.2

192 17.2 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.295 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087086.D

Acq: 18 Jun 2025 15:24

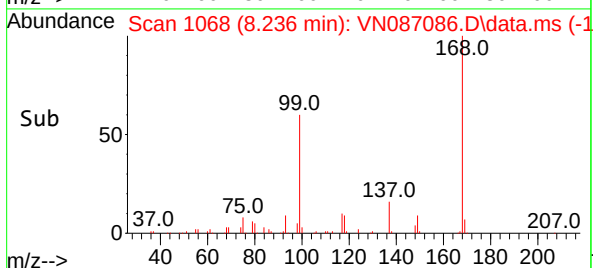
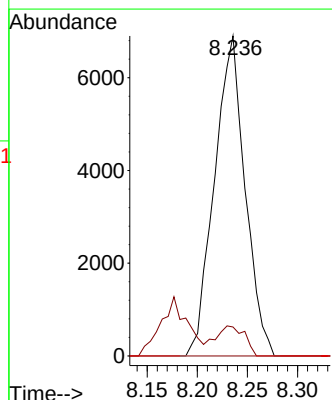
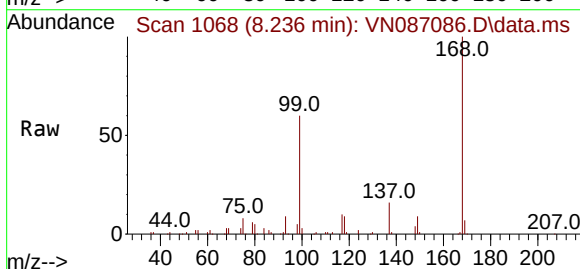
Tgt Ion: 75 Resp: 14683

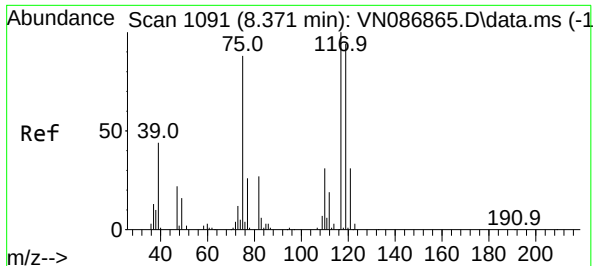
Ion Ratio Lower Upper

75 100

110 9.0 17.6 52.9#

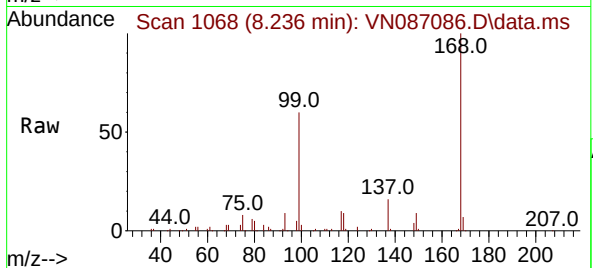
77 0.0 25.3 37.9#



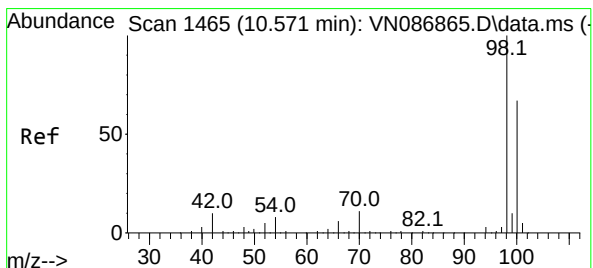
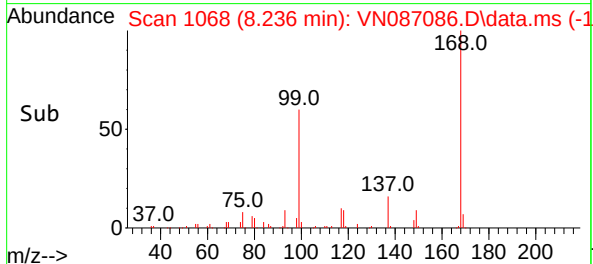
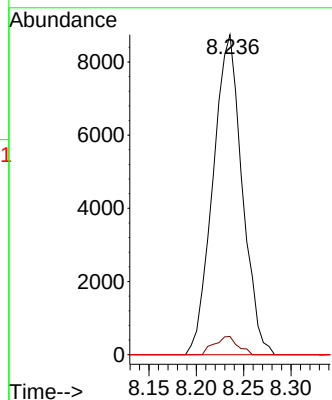


#38
Carbon Tetrachloride
Concen: 5.603 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.135 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

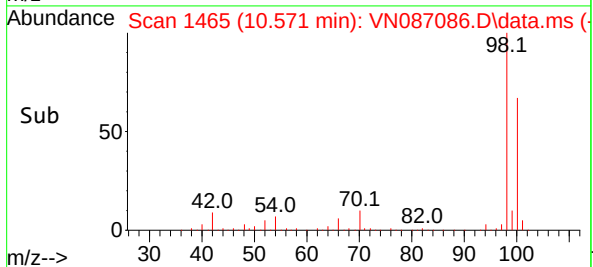
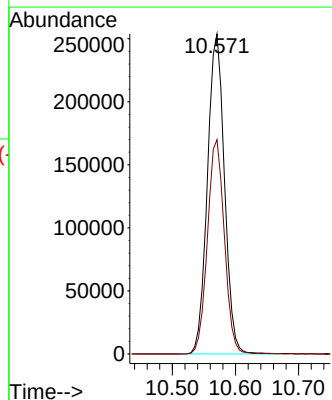
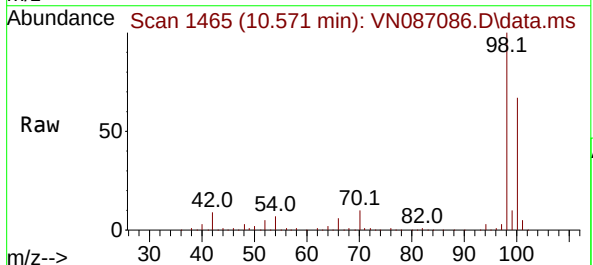


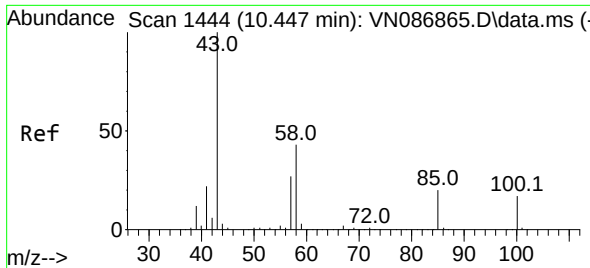
Tgt Ion:117 Resp: 18806
Ion Ratio Lower Upper
117 100
119 5.7 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.372 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 98 Resp: 475637
Ion Ratio Lower Upper
98 100
100 66.5 53.4 80.0

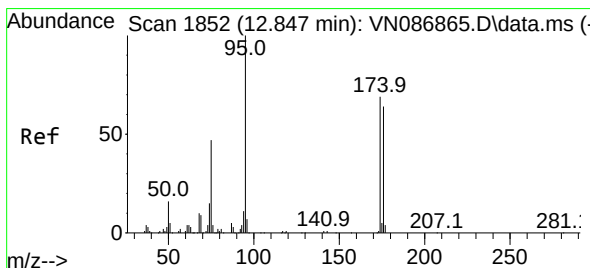
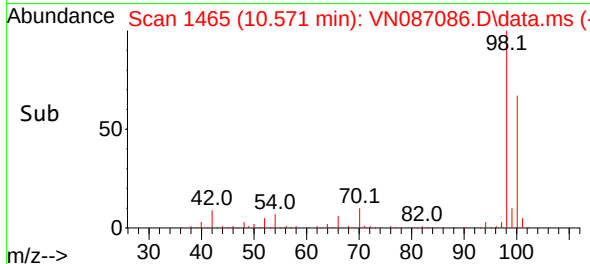
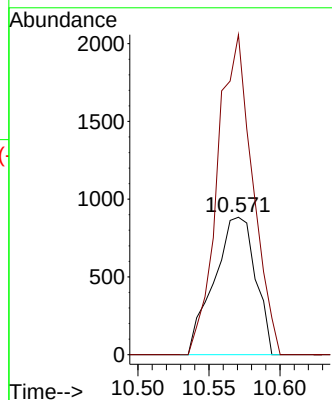
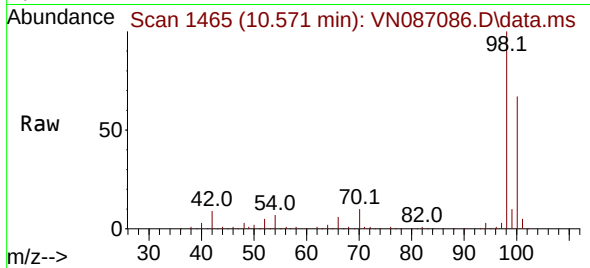




#51
4-Methyl-2-Pentanone
Concen: 0.425 ug/l
RT: 10.571 min Scan# 1444
Delta R.T. 0.123 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

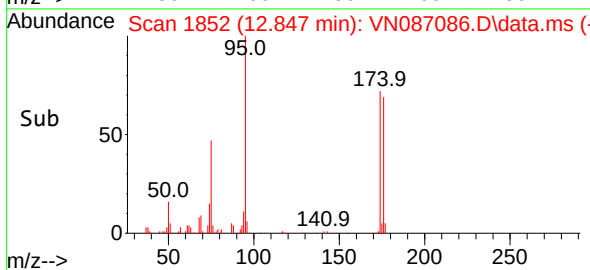
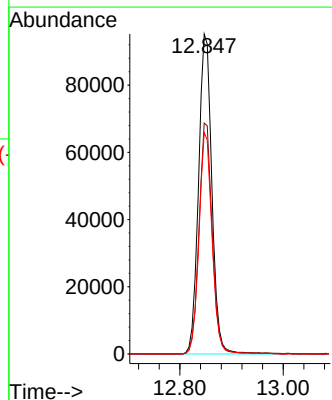
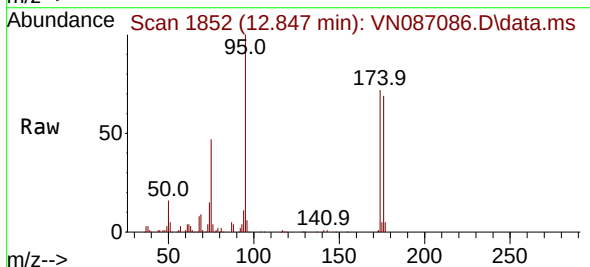
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

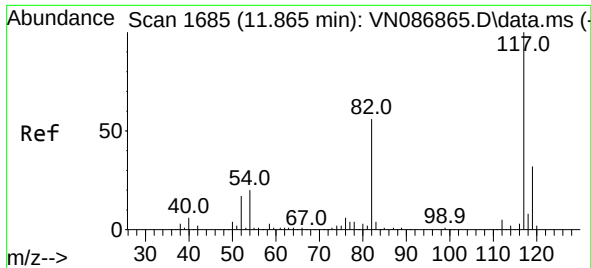
Tgt Ion: 43 Resp: 1788
Ion Ratio Lower Upper
43 100
58 198.0 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 50.415 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Tgt Ion: 95 Resp: 170111
Ion Ratio Lower Upper
95 100
174 71.3 0.0 141.8
176 67.9 0.0 132.6

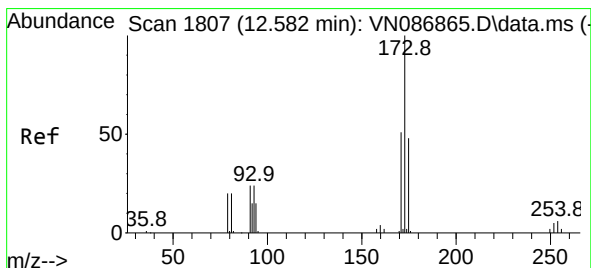
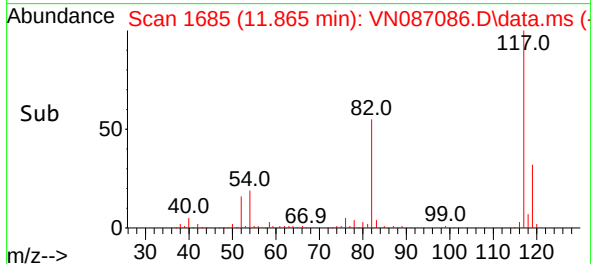
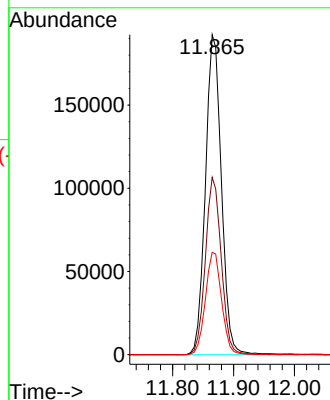
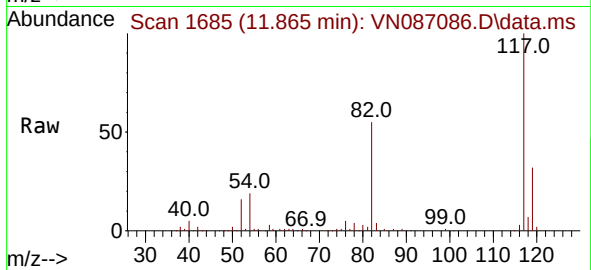




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

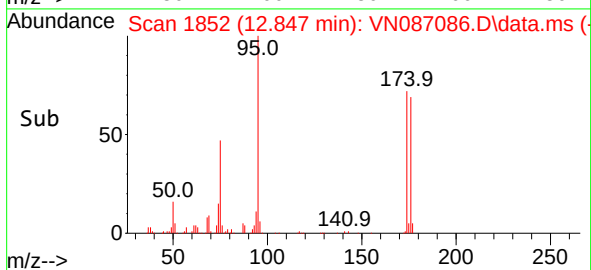
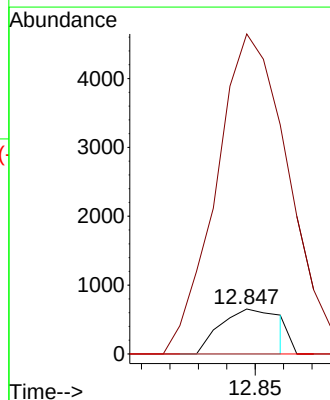
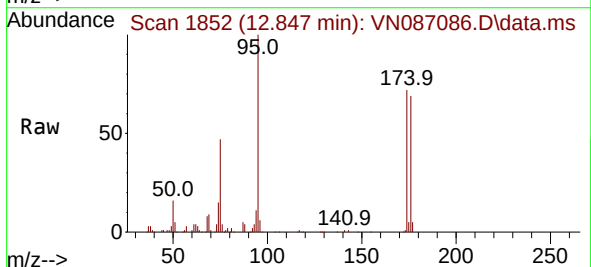
Instrument :
MSVOA_N
ClientSampleId :
BPOW6-8-20250613

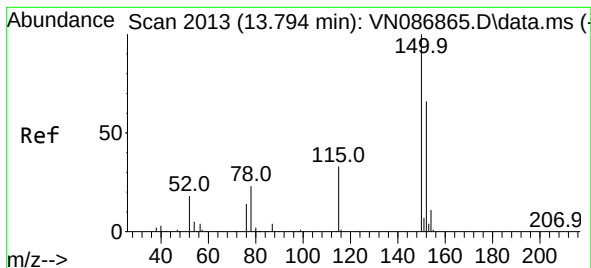
Tgt Ion:117 Resp: 350512
Ion Ratio Lower Upper
117 100
82 55.4 44.6 67.0
119 32.0 25.5 38.3



#71
Bromoform
Concen: 0.515 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.265 min
Lab File: VN087086.D
Acq: 18 Jun 2025 15:24

Tgt Ion:173 Resp: 949
Ion Ratio Lower Upper
173 100
175 739.0 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: VN087086.D

Acq: 18 Jun 2025 15:24

Instrument :

MSVOA_N

ClientSampleId :

BPOW6-8-20250613

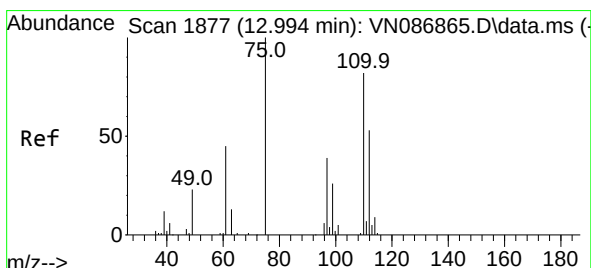
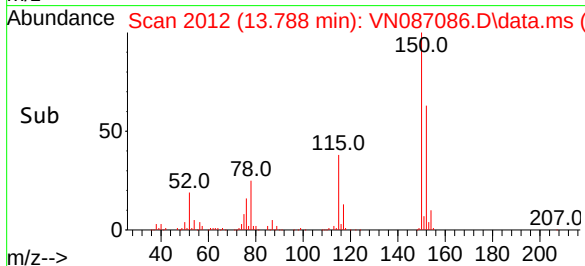
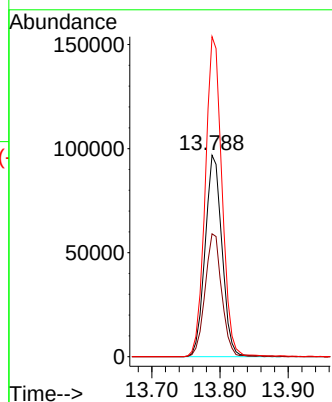
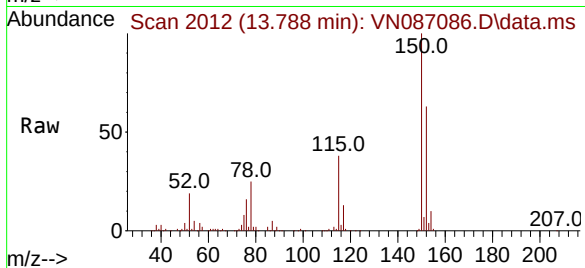
Tgt Ion:152 Resp: 166828

Ion Ratio Lower Upper

152 100

115 60.2 30.1 90.5

150 157.0 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 19.351 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087086.D

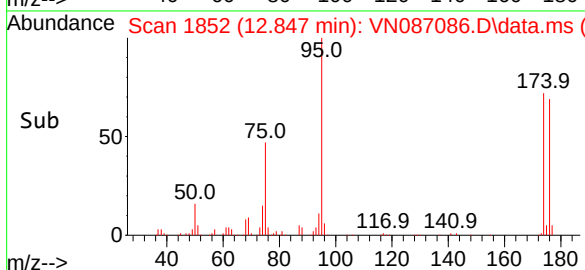
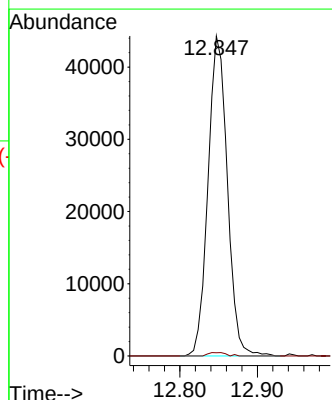
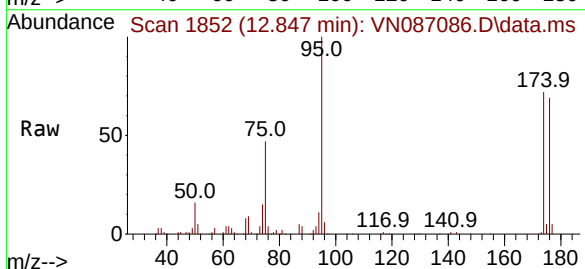
Acq: 18 Jun 2025 15:24

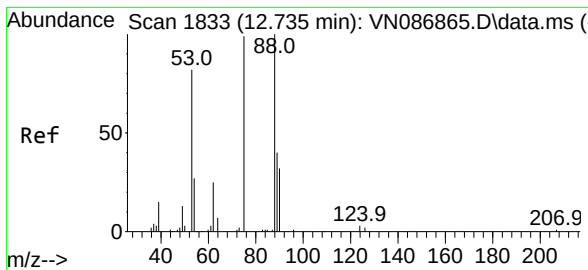
Tgt Ion: 75 Resp: 76738

Ion Ratio Lower Upper

75 100

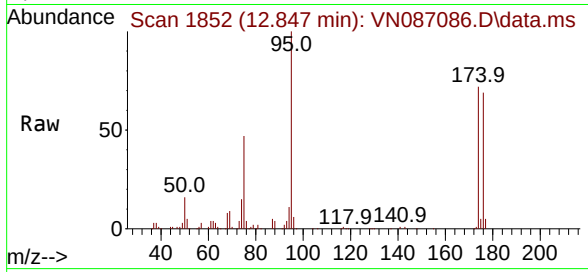
77 1.0 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 44.545 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087086.D
 Acq: 18 Jun 2025 15:24

Instrument :
 MSVOA_N
 ClientSampleId :
 BPOW6-8-20250613



Tgt Ion: 75 Resp: 76738
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

