

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087135.D
 Acq On : 20 Jun 2025 13:46
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

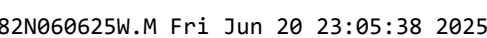
Quant Time: Jun 20 23:05:28 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

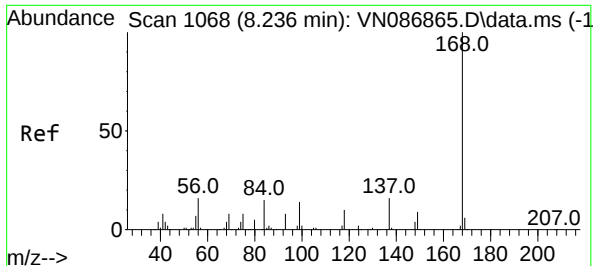
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	181011	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378050	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	361660	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	172994	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	130466	53.833	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	= 107.660%	
35) Dibromofluoromethane	8.177	113	112093	50.032	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	= 100.060%	
50) Toluene-d8	10.565	98	495833	55.905	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	= 111.820%	
62) 4-Bromofluorobenzene	12.847	95	172771	52.432	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	= 104.860%	
Target Compounds						
					Qvalue	
31) Cyclohexane	8.230	56	3247	0.826	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	13723	4.111	ug/l #	50
38) Carbon Tetrachloride	8.230	117	18220	5.559	ug/l #	16
51) 4-Methyl-2-Pentanone	10.565	43	1507	0.367	ug/l #	1
71) Bromoform	12.853	173	1033	0.544	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	80010	19.457	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	80010	44.789	ug/l #	16

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

Quant Time: Jun 20 23:05:28 2025
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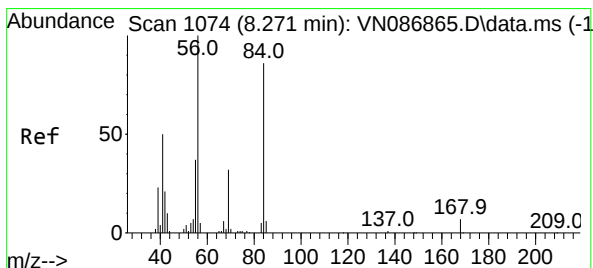
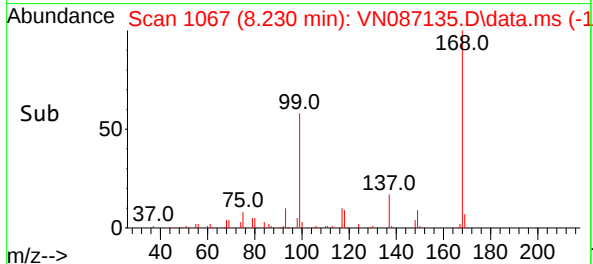
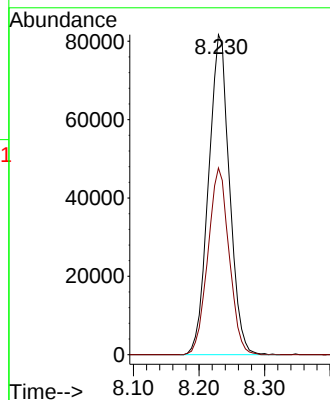
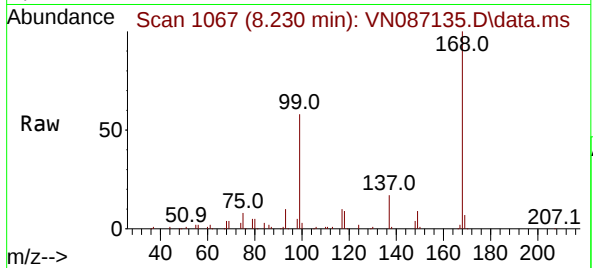




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

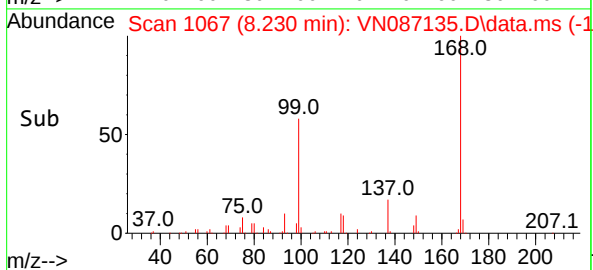
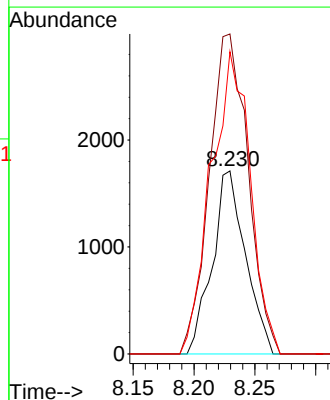
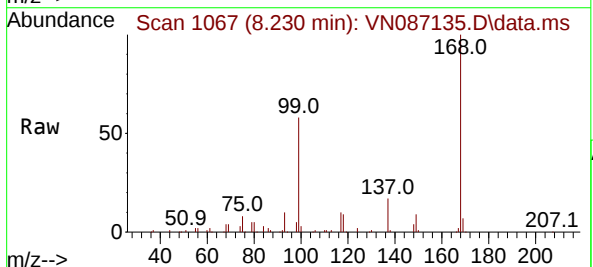
Instrument :
MSVOA_N
ClientSampleId :
IBLK

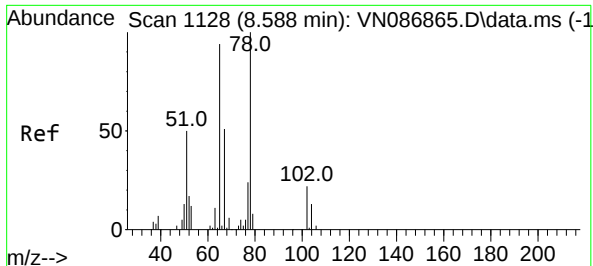
Tgt Ion:168 Resp: 181011
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#31
Cyclohexane
Concen: 0.826 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Tgt Ion: 56 Resp: 3247
Ion Ratio Lower Upper
56 100
69 174.8 25.4 38.0#
84 165.1 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 53.833 ug/l

RT: 8.582 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

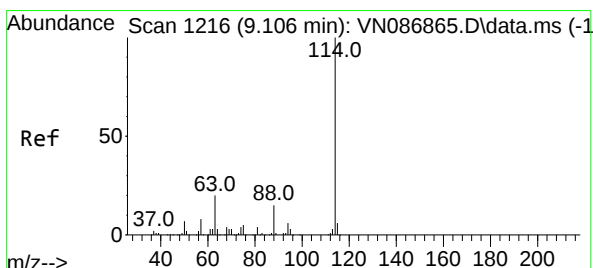
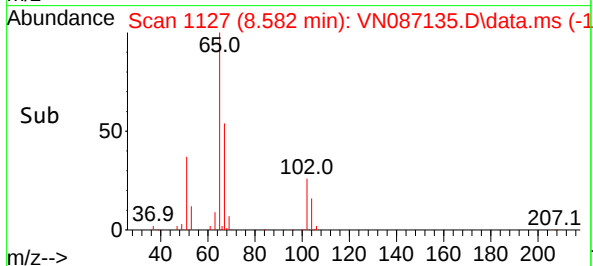
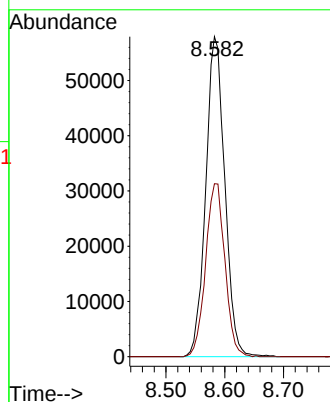
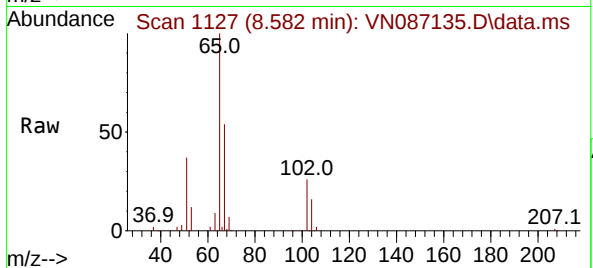
IBLK

Tgt Ion: 65 Resp: 130466

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# 1216

Delta R.T. -0.000 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

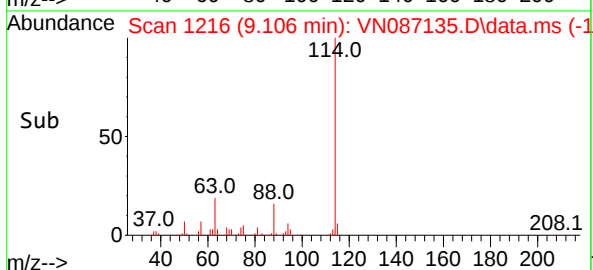
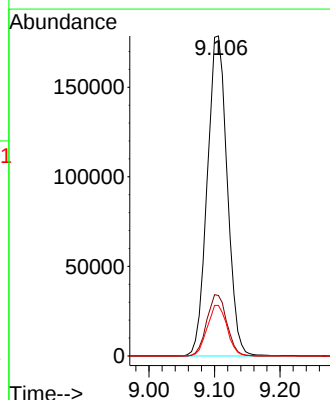
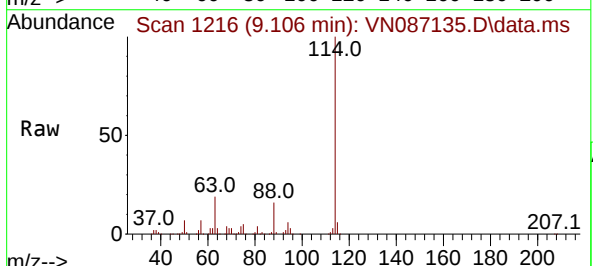
Tgt Ion: 114 Resp: 378050

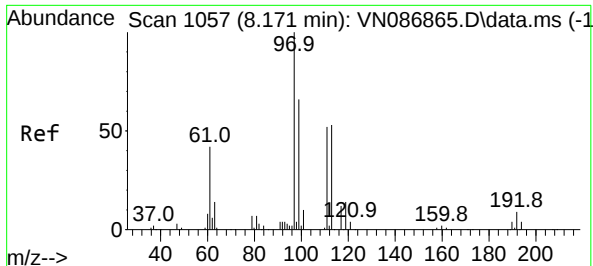
Ion Ratio Lower Upper

114 100

63 18.9 0.0 39.6

88 15.8 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.032 ug/l

RT: 8.177 min Scan# 112093

Delta R.T. 0.006 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

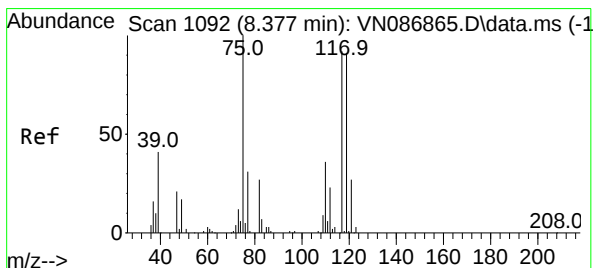
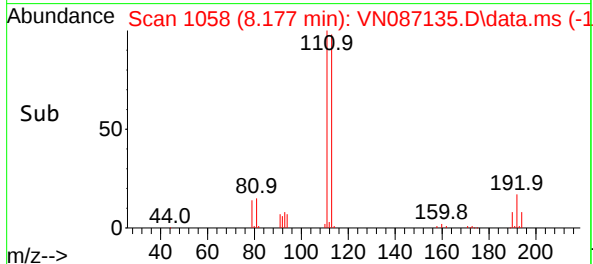
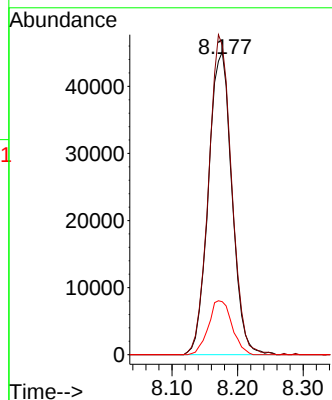
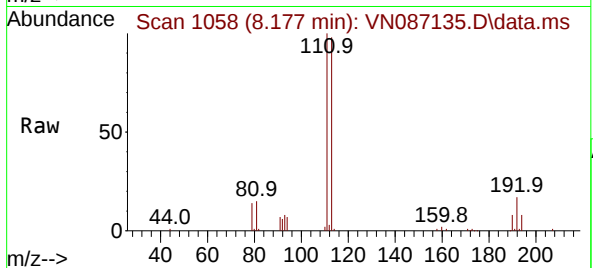
Tgt Ion:113 Resp: 112093

Ion Ratio Lower Upper

113 100

111 103.6 84.2 126.2

192 17.9 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.111 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

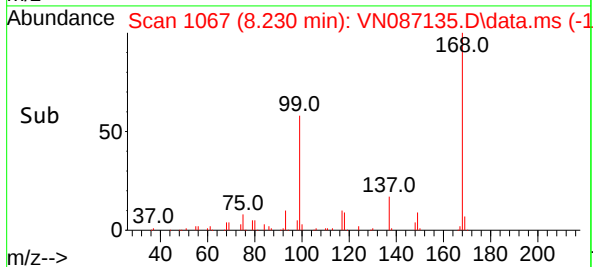
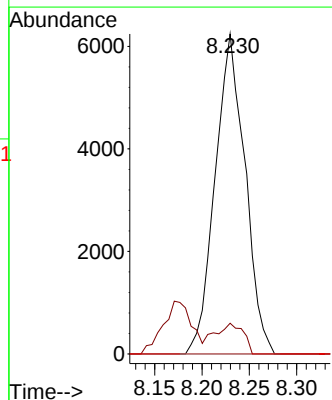
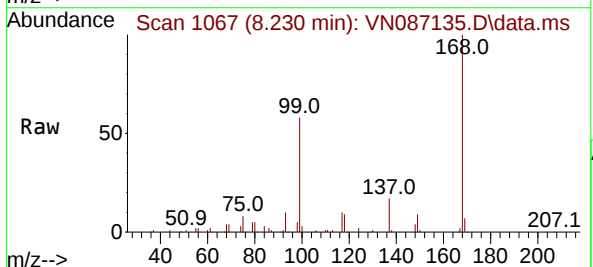
Tgt Ion: 75 Resp: 13723

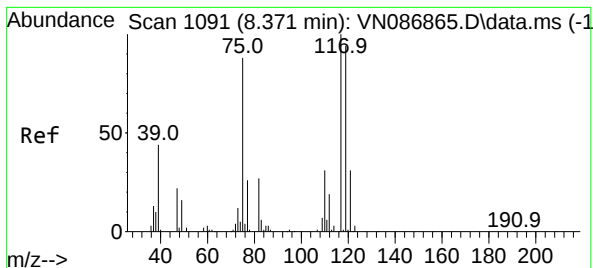
Ion Ratio Lower Upper

75 100

110 9.3 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.559 ug/l

RT: 8.230 min Scan# 1091

Delta R.T. -0.141 min

Lab File: VN087135.D

Acq: 20 Jun 2025 13:46

Instrument :

MSVOA_N

ClientSampleId :

IBLK

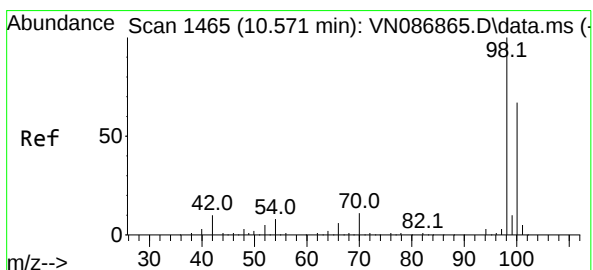
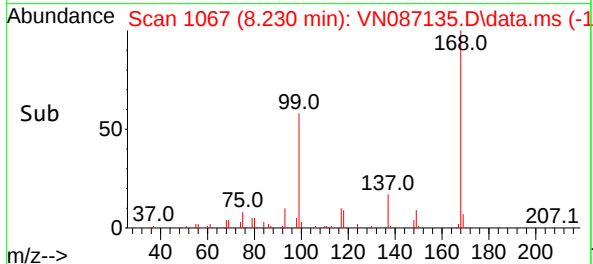
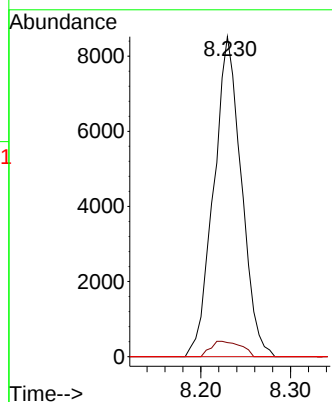
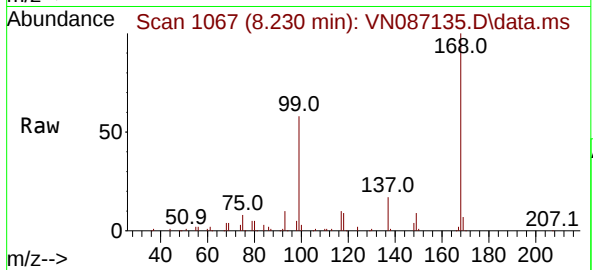
Tgt Ion:117 Resp: 18220

Ion Ratio Lower Upper

117 100

119 4.4 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 55.905 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087135.D

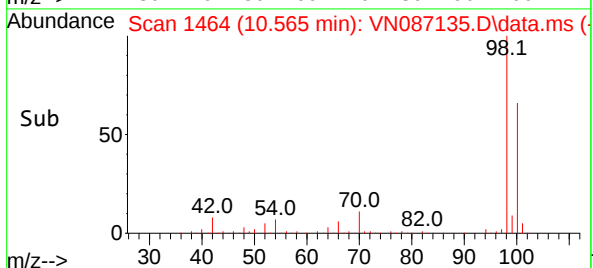
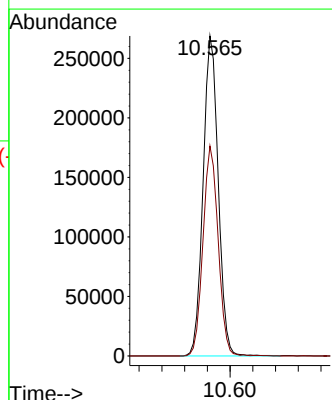
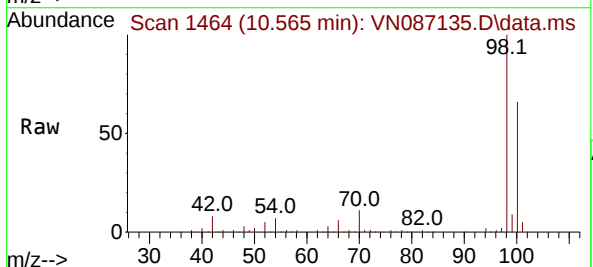
Acq: 20 Jun 2025 13:46

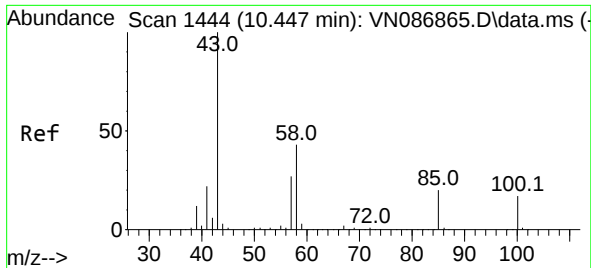
Tgt Ion: 98 Resp: 495833

Ion Ratio Lower Upper

98 100

100 65.7 53.4 80.0

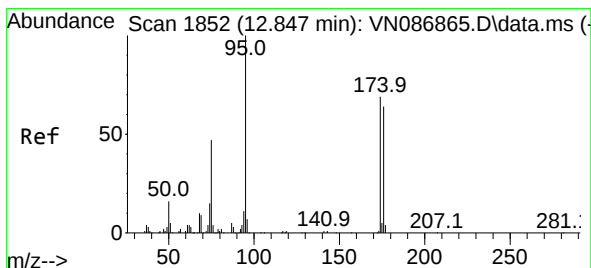
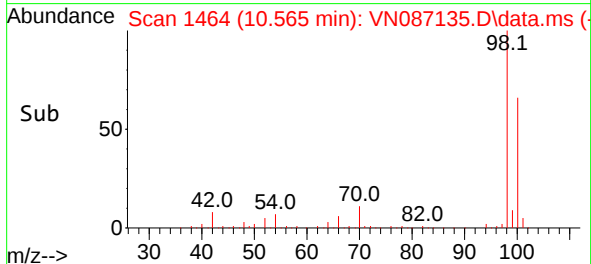
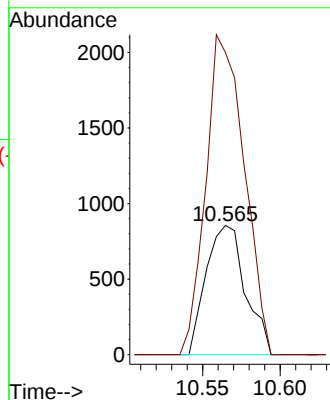
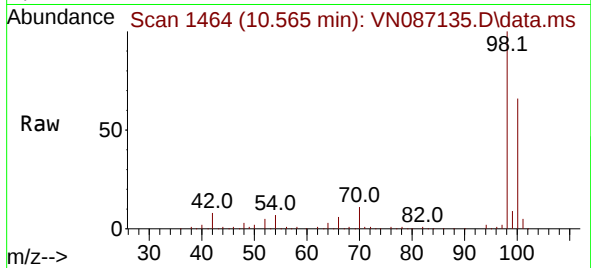




#51
4-Methyl-2-Pentanone
Concen: 0.367 ug/l
RT: 10.565 min Scan# 1444
Delta R.T. 0.118 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

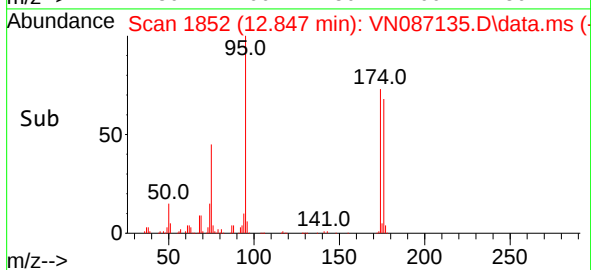
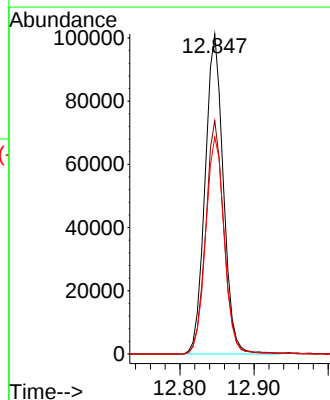
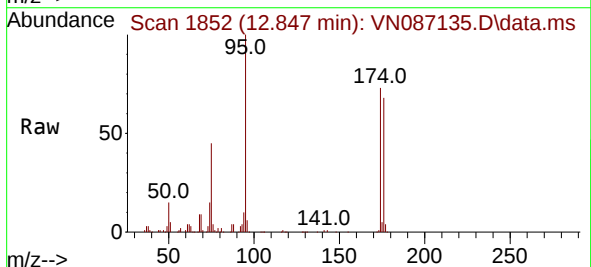
Instrument :
MSVOA_N
ClientSampleId :
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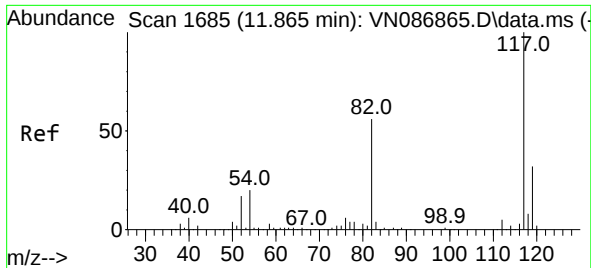
Tgt Ion: 43 Resp: 1507
Ion Ratio Lower Upper
43 100
58 242.5 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 52.432 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Tgt Ion: 95 Resp: 172771
Ion Ratio Lower Upper
95 100
174 72.5 0.0 141.8
176 69.5 0.0 132.6

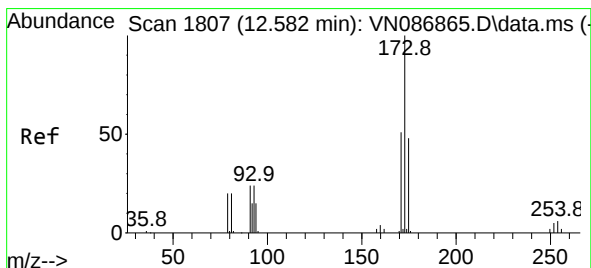
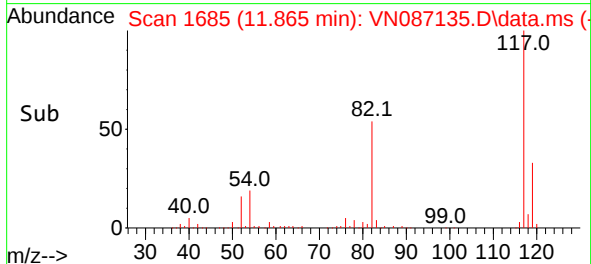
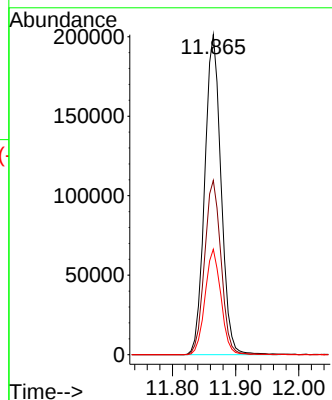
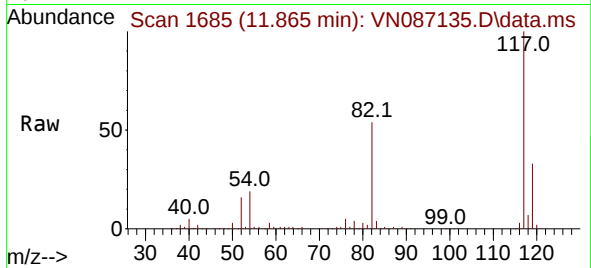




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

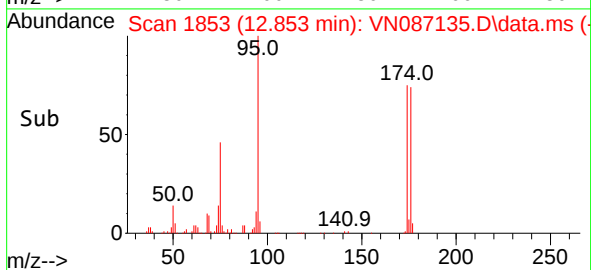
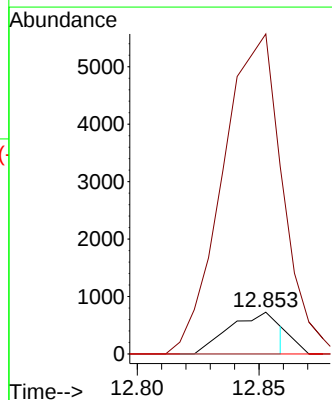
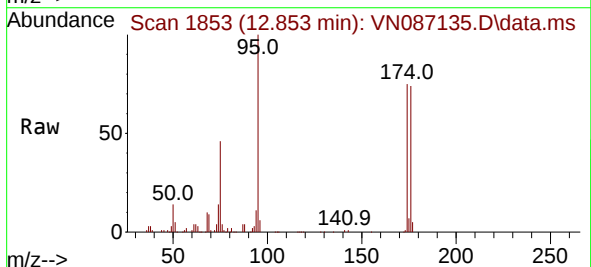
Instrument :
MSVOA_N
ClientSampleId :
IBLK

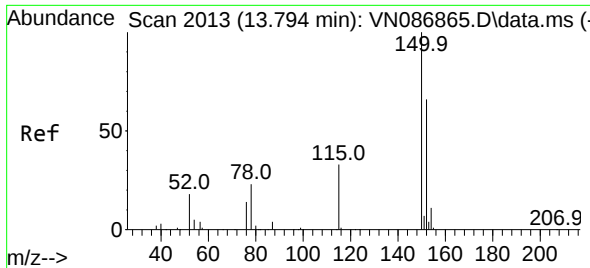
Tgt Ion:117 Resp: 361660
Ion Ratio Lower Upper
117 100
82 54.4 44.6 67.0
119 33.0 25.5 38.3



#71
Bromoform
Concen: 0.544 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Tgt Ion:173 Resp: 1033
Ion Ratio Lower Upper
173 100
175 844.7 24.1 72.4#
254 0.0 0.0 0.0

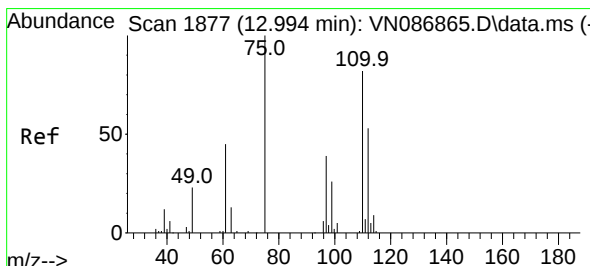
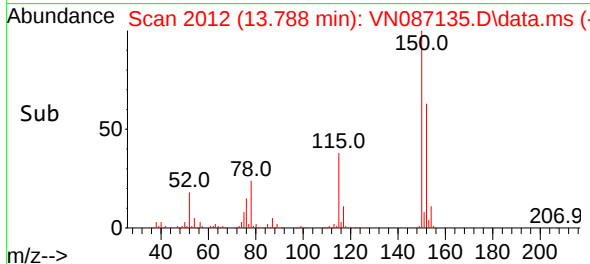
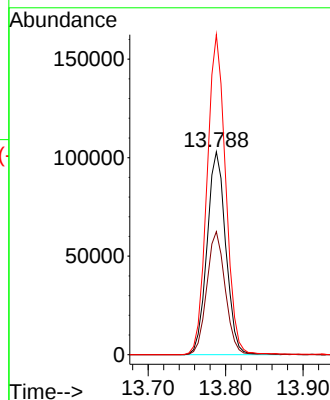
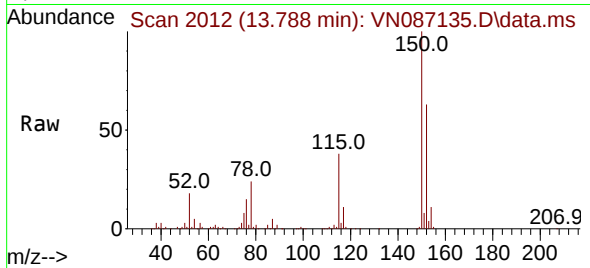




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087135.D
 Acq: 20 Jun 2025 13:46

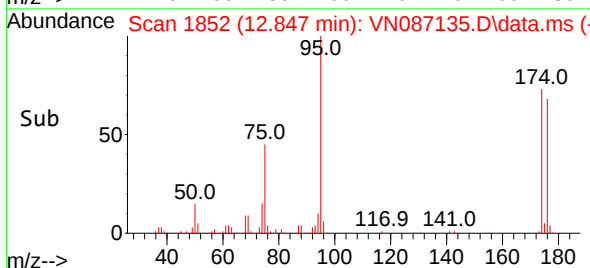
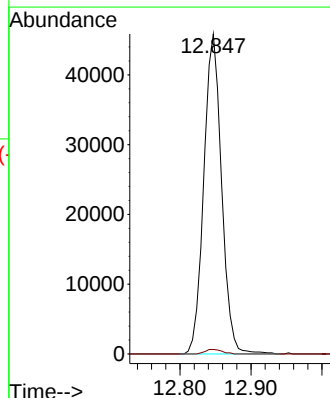
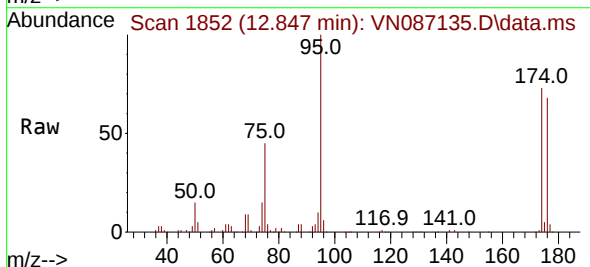
Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

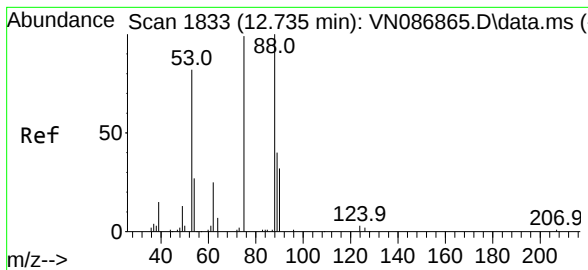
Tgt Ion:152 Resp: 172994
 Ion Ratio Lower Upper
 152 100
 115 60.0 30.1 90.5
 150 156.8 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 19.457 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087135.D
 Acq: 20 Jun 2025 13:46

Tgt Ion: 75 Resp: 80010
 Ion Ratio Lower Upper
 75 100
 77 1.4 79.3 237.9#





#81
trans-1,4-Dichloro-2-butene
Concen: 44.789 ug/l
RT: 12.847 min Scan# 11
Delta R.T. 0.112 min
Lab File: VN087135.D
Acq: 20 Jun 2025 13:46

Instrument :
MSVOA_N
ClientSampleId :
IBLK

Tgt Ion: 75 Resp: 80010
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

