

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062425\
 Data File : VN087156.D
 Acq On : 24 Jun 2025 15:06
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 25 04:19:37 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)

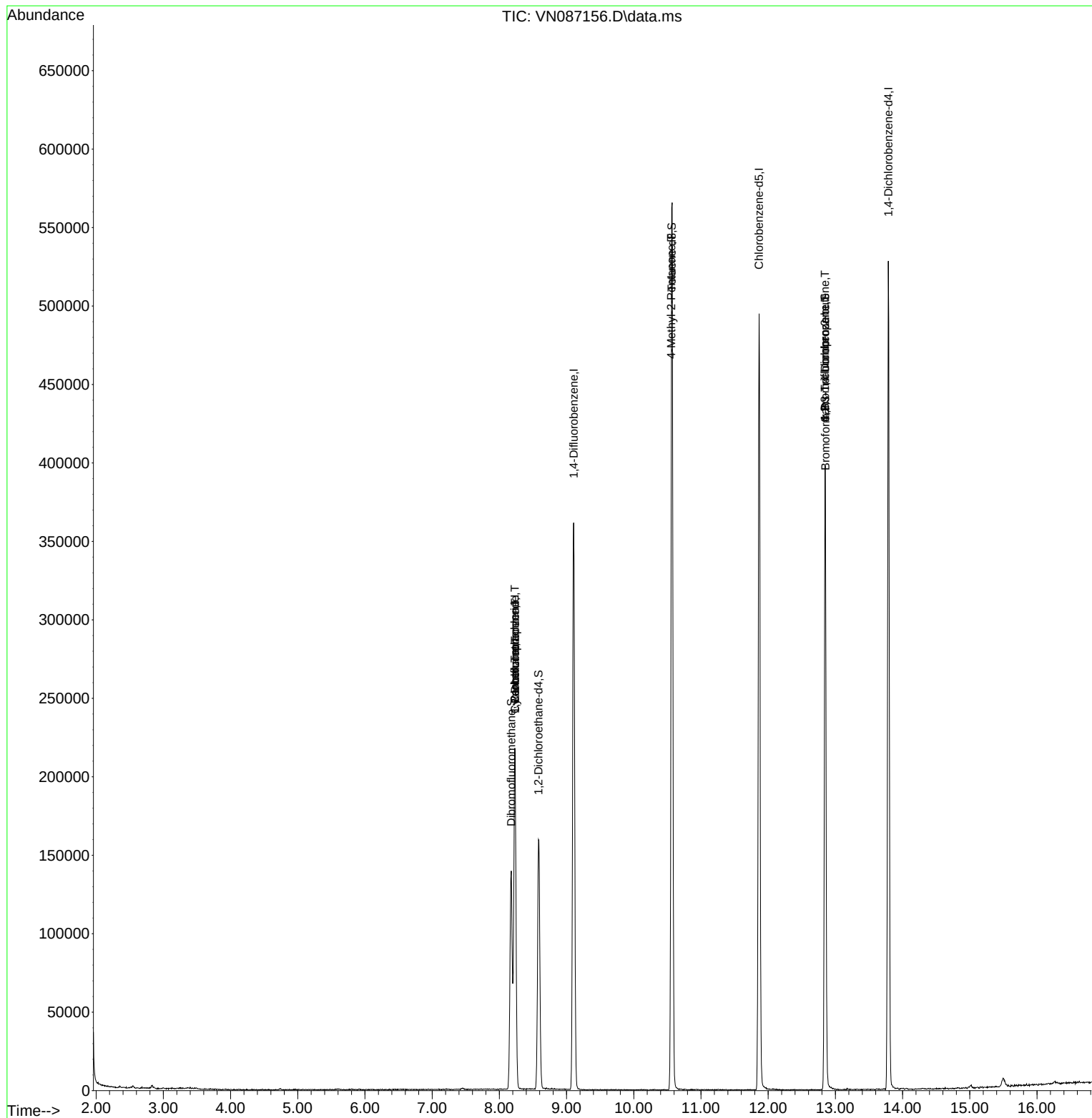
Internal Standards						
1) Pentafluorobenzene	8.230	168	168248	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	335463	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	304352	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	148698	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	137218	60.914	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 121.820%		
35) Dibromofluoromethane	8.177	113	106343	53.492	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 106.980%		
50) Toluene-d8	10.565	98	409710	52.059	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.120%		
62) 4-Bromofluorobenzene	12.847	95	153057	52.346	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 104.700%		
Target Compounds						
					Qvalue	
31) Cyclohexane	8.236	56	3572	0.978	ug/l #	1
36) 1,1-Dichloropropene	8.236	75	13783	4.653	ug/l #	46
38) Carbon Tetrachloride	8.230	117	16601	5.708	ug/l #	17
51) 4-Methyl-2-Pentanone	10.559	43	1883	0.517	ug/l #	1
71) Bromoform	12.853	173	904	0.565	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	75008	21.221	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	75008	48.850	ug/l #	16

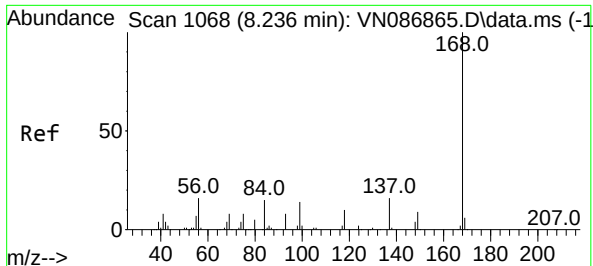
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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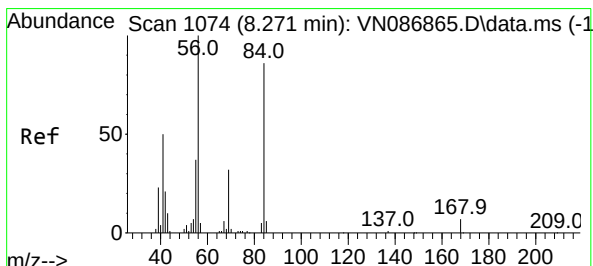
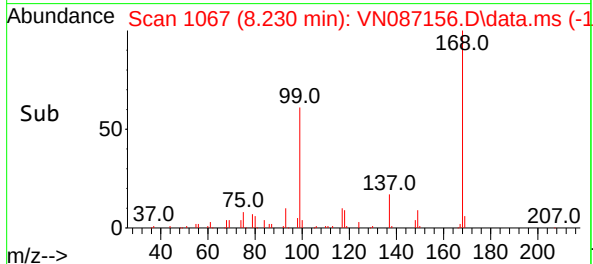
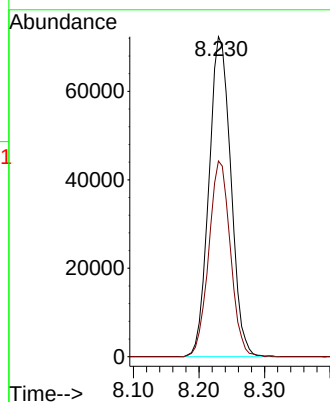
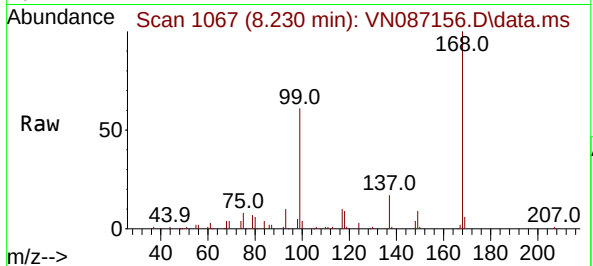




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1068
Delta R.T. -0.006 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

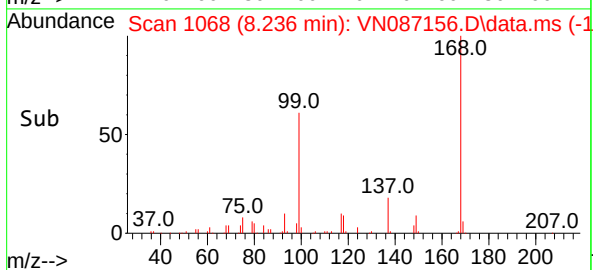
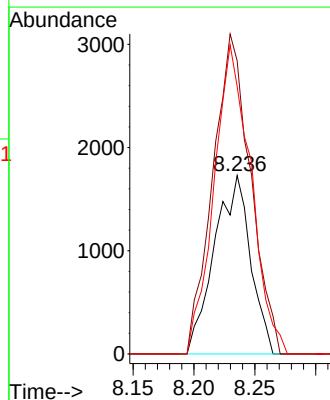
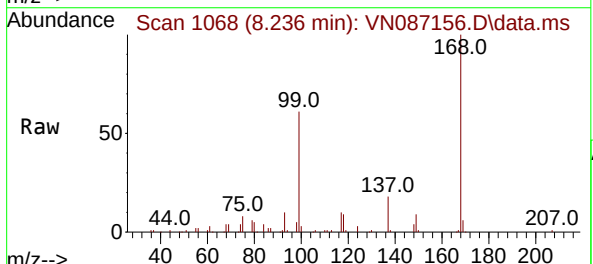
Instrument :
MSVOA_N
ClientSampleId :
IBLK

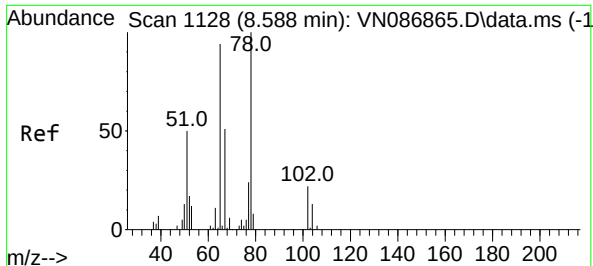
Tgt Ion:168 Resp: 168248
Ion Ratio Lower Upper
168 100
99 61.1 49.1 73.7



#31
Cyclohexane
Concen: 0.978 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 56 Resp: 3572
Ion Ratio Lower Upper
56 100
69 164.2 25.4 38.0#
84 150.0 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 60.914 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. -0.006 min

Lab File: VN087156.D

Acq: 24 Jun 2025 15:06

Instrument :

MSVOA_N

ClientSampleId :

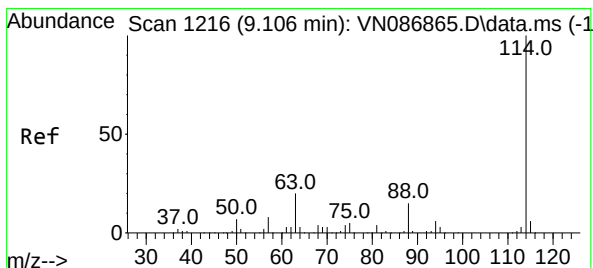
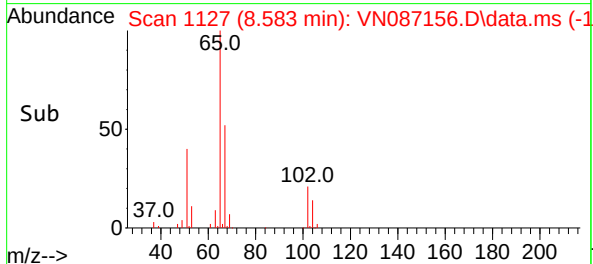
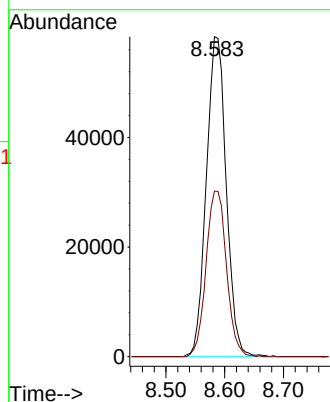
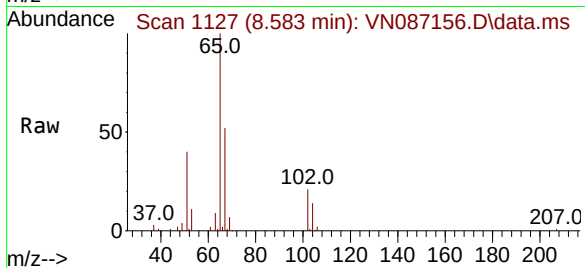
IBLK

Tgt Ion: 65 Resp: 137218

Ion Ratio Lower Upper

65 100

67 53.1 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: VN087156.D

Acq: 24 Jun 2025 15:06

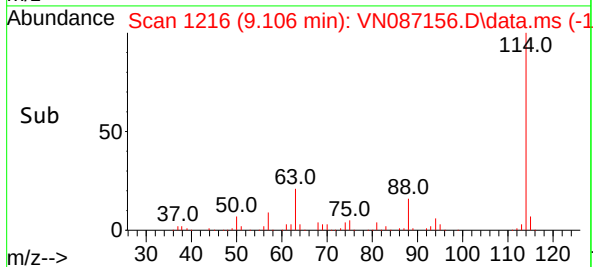
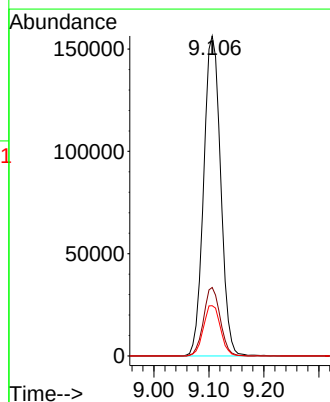
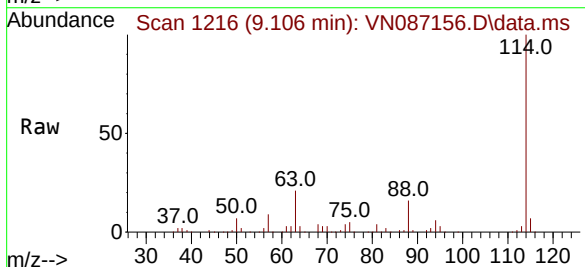
Tgt Ion: 114 Resp: 335463

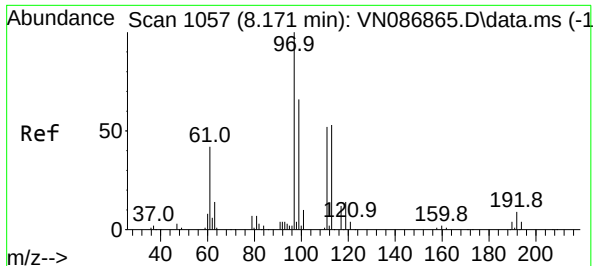
Ion Ratio Lower Upper

114 100

63 21.4 0.0 39.6

88 15.7 0.0 30.2

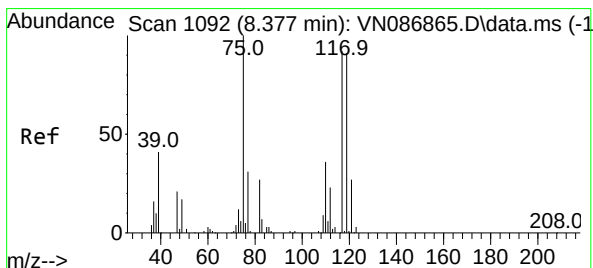
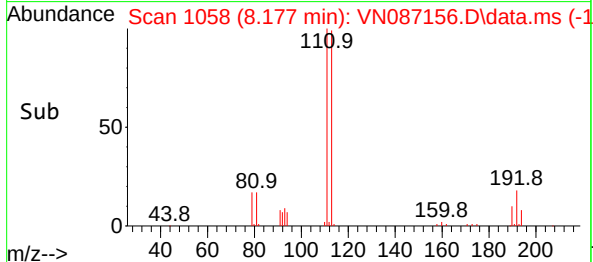
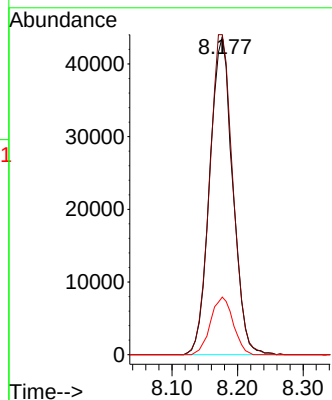
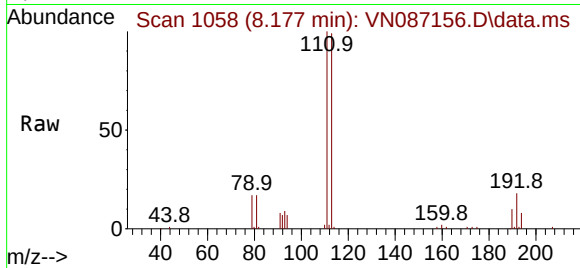




#35
Dibromofluoromethane
Concen: 53.492 ug/l
RT: 8.177 min Scan# 1057
Delta R.T. 0.006 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

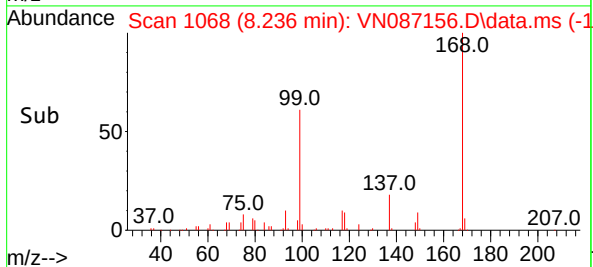
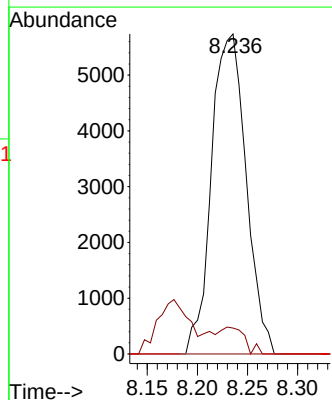
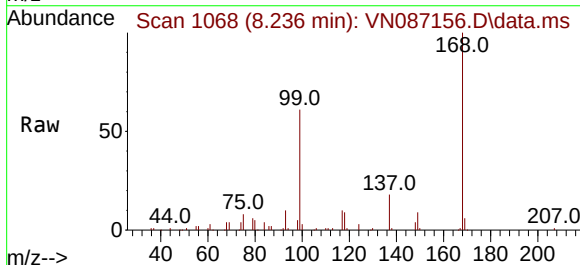
Instrument :
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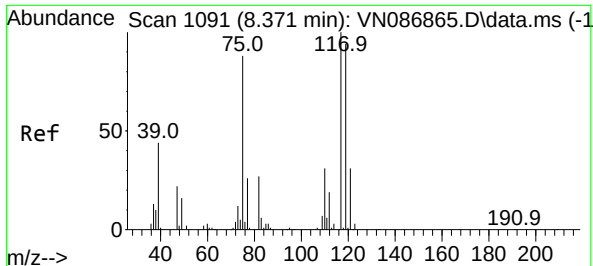
Tgt Ion:113 Resp: 106343
Ion Ratio Lower Upper
113 100
111 102.0 84.2 126.2
192 17.8 14.2 21.4



#36
1,1-Dichloropropene
Concen: 4.653 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.141 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

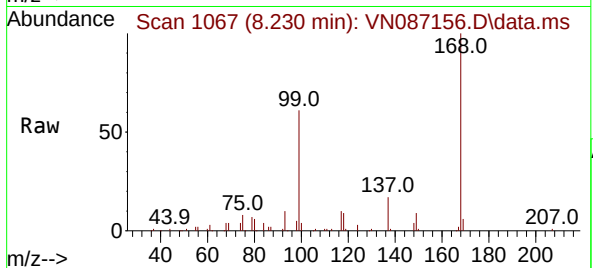
Tgt Ion: 75 Resp: 13783
Ion Ratio Lower Upper
75 100
110 5.9 17.6 52.9#
77 0.0 25.3 37.9#



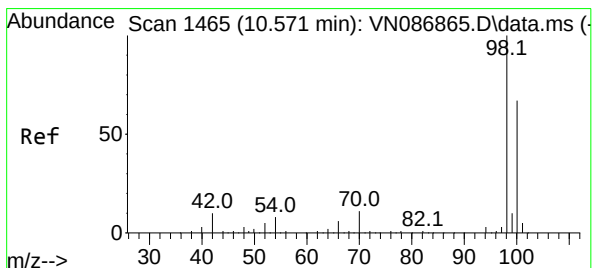
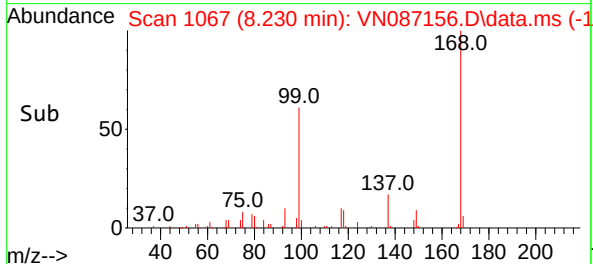
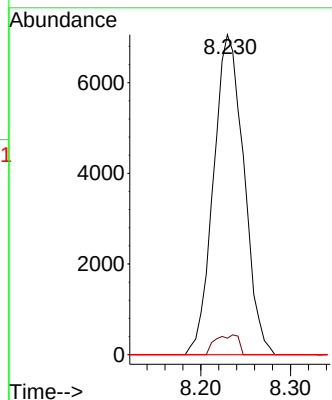


#38
Carbon Tetrachloride
Concen: 5.708 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.141 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

Instrument :
MSVOA_N
ClientSampleId :
IBLK

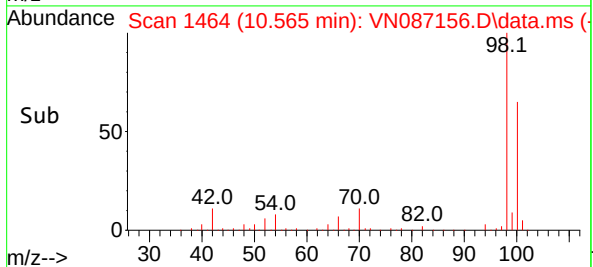
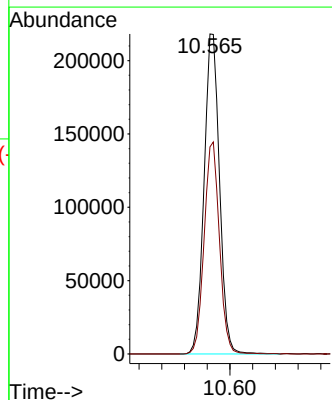
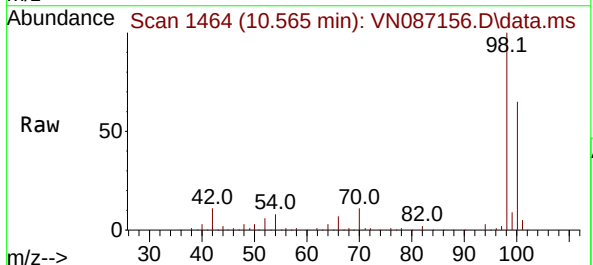


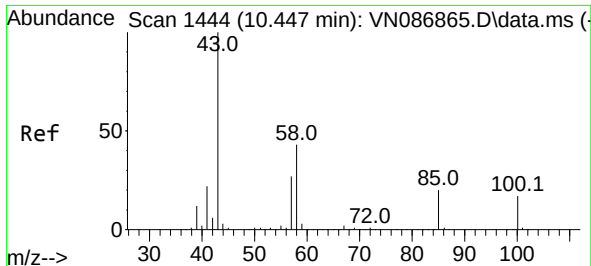
Tgt Ion:117 Resp: 16601
Ion Ratio Lower Upper
117 100
119 5.1 75.0 112.6#
121 0.0 24.9 37.3#



#50
Toluene-d8
Concen: 52.059 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 98 Resp: 409710
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0

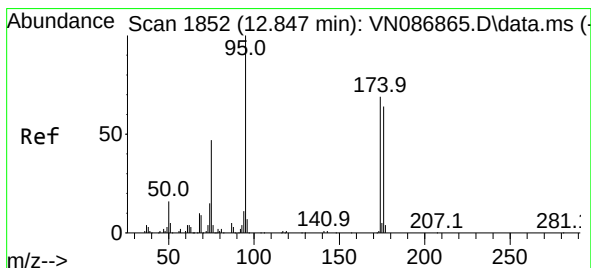
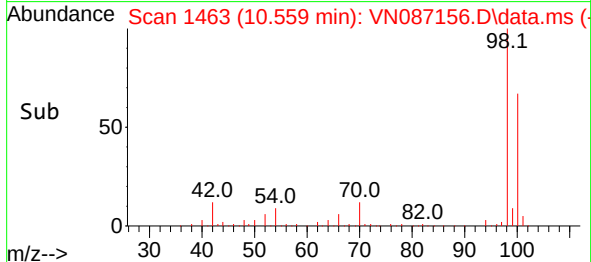
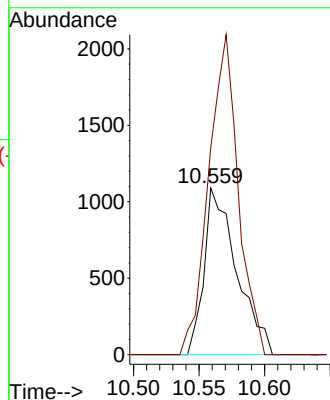
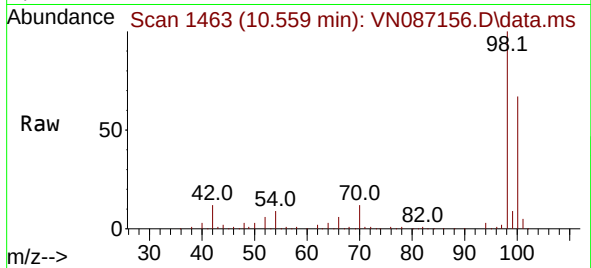




#51
4-Methyl-2-Pentanone
Concen: 0.517 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

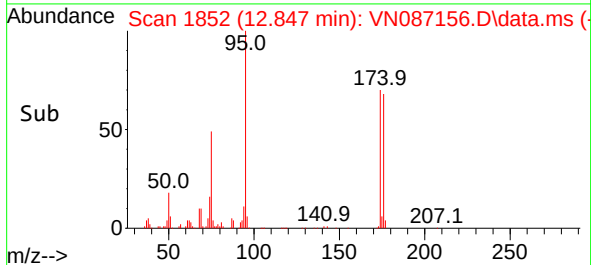
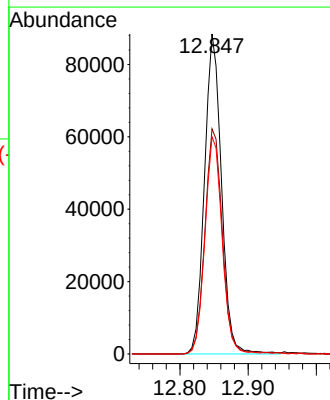
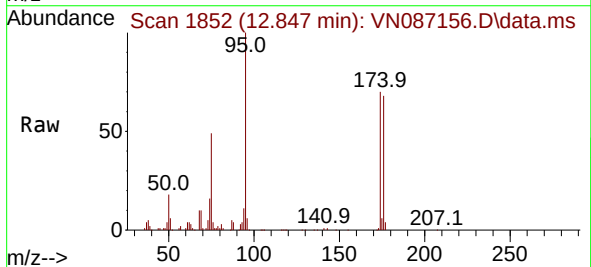
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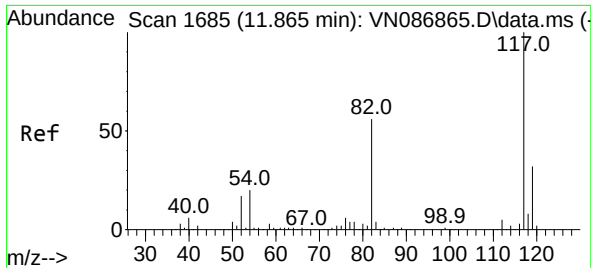
Tgt Ion: 43 Resp: 1883
Ion Ratio Lower Upper
43 100
58 174.7 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 52.346 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

Tgt Ion: 95 Resp: 153057
Ion Ratio Lower Upper
95 100
174 72.9 0.0 141.8
176 68.6 0.0 132.6

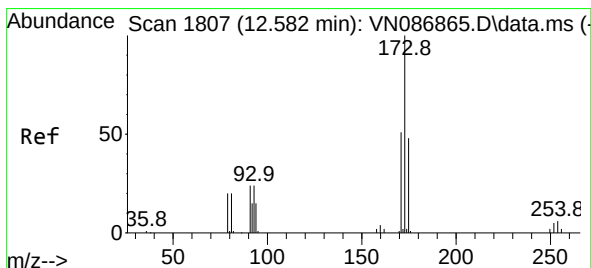
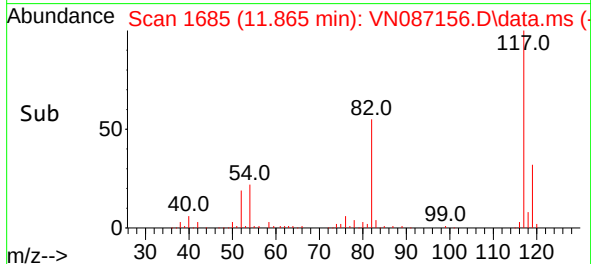
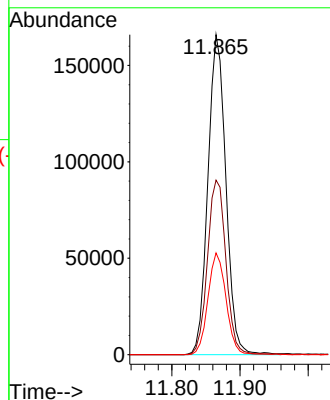
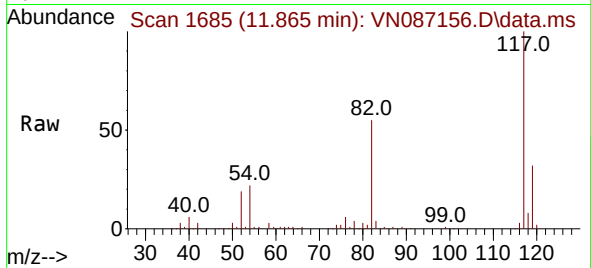




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

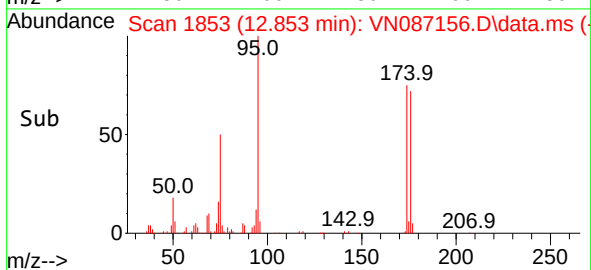
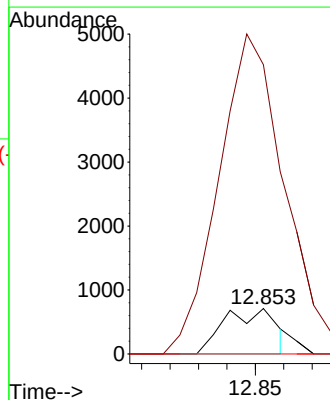
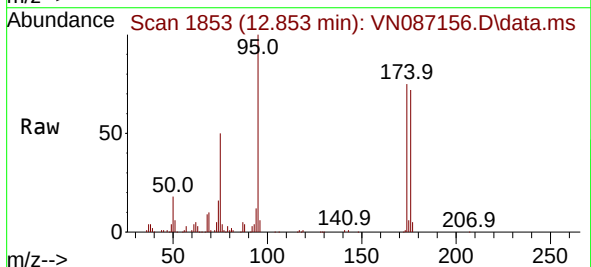
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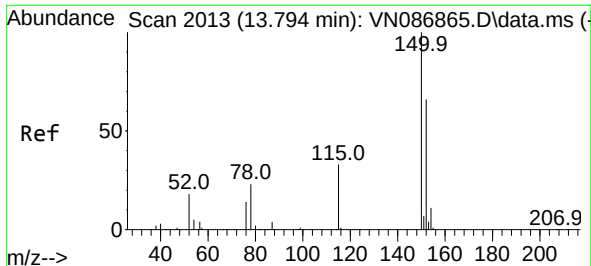
Tgt Ion:117 Resp: 304352
Ion Ratio Lower Upper
117 100
82 54.5 44.6 67.0
119 31.8 25.5 38.3



#71
Bromoform
Concen: 0.565 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN087156.D
Acq: 24 Jun 2025 15:06

Tgt Ion:173 Resp: 904
Ion Ratio Lower Upper
173 100
175 768.6 24.1 72.4#
254 0.0 0.0 0.0

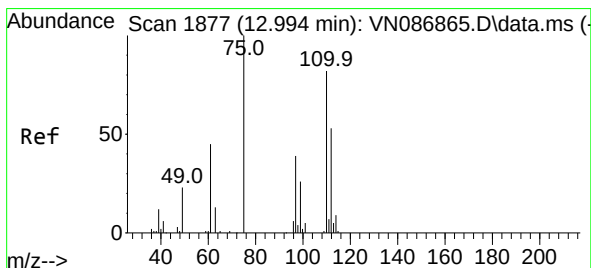
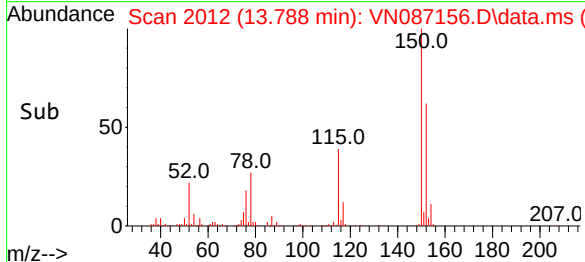
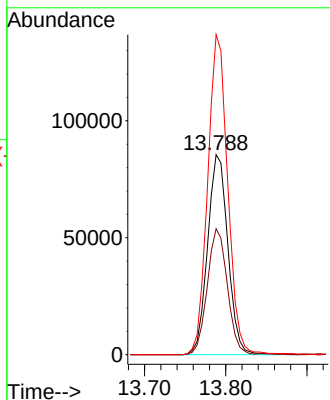
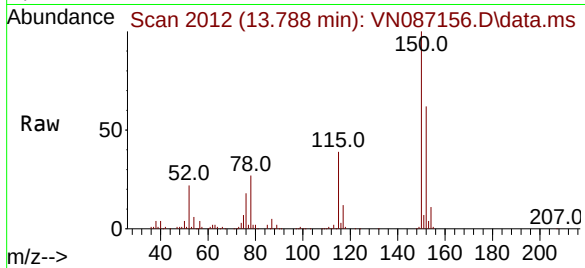




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN087156.D
 Acq: 24 Jun 2025 15:06

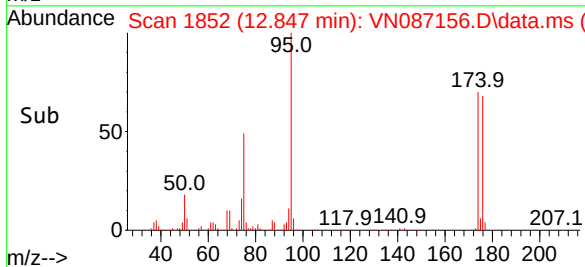
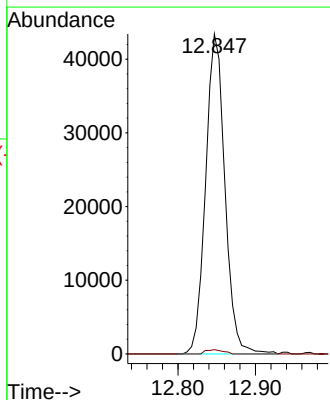
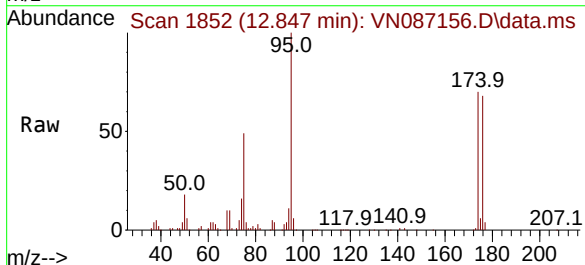
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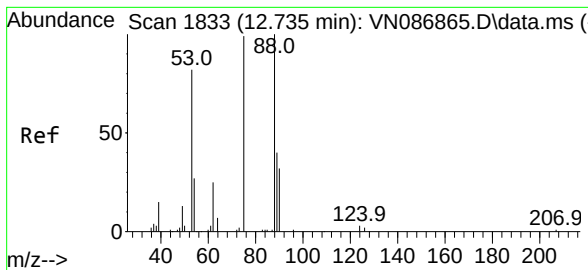
Tgt Ion:152 Resp: 148698
 Ion Ratio Lower Upper
 152 100
 115 62.0 30.1 90.5
 150 157.4 0.0 345.0



#76
 1,2,3-Trichloropropane
 Concen: 21.221 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.147 min
 Lab File: VN087156.D
 Acq: 24 Jun 2025 15:06

Tgt Ion: 75 Resp: 75008
 Ion Ratio Lower Upper
 75 100
 77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 48.850 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087156.D
 Acq: 24 Jun 2025 15:06

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Tgt Ion: 75 Resp: 75008
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.0 36.7 55.1#

