

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086984.D
 Acq On : 12 Jun 2025 17:48
 Operator : JC\MD
 Sample : Q2268-09
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB-20250605

Quant Time: Jun 13 01:31:40 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)

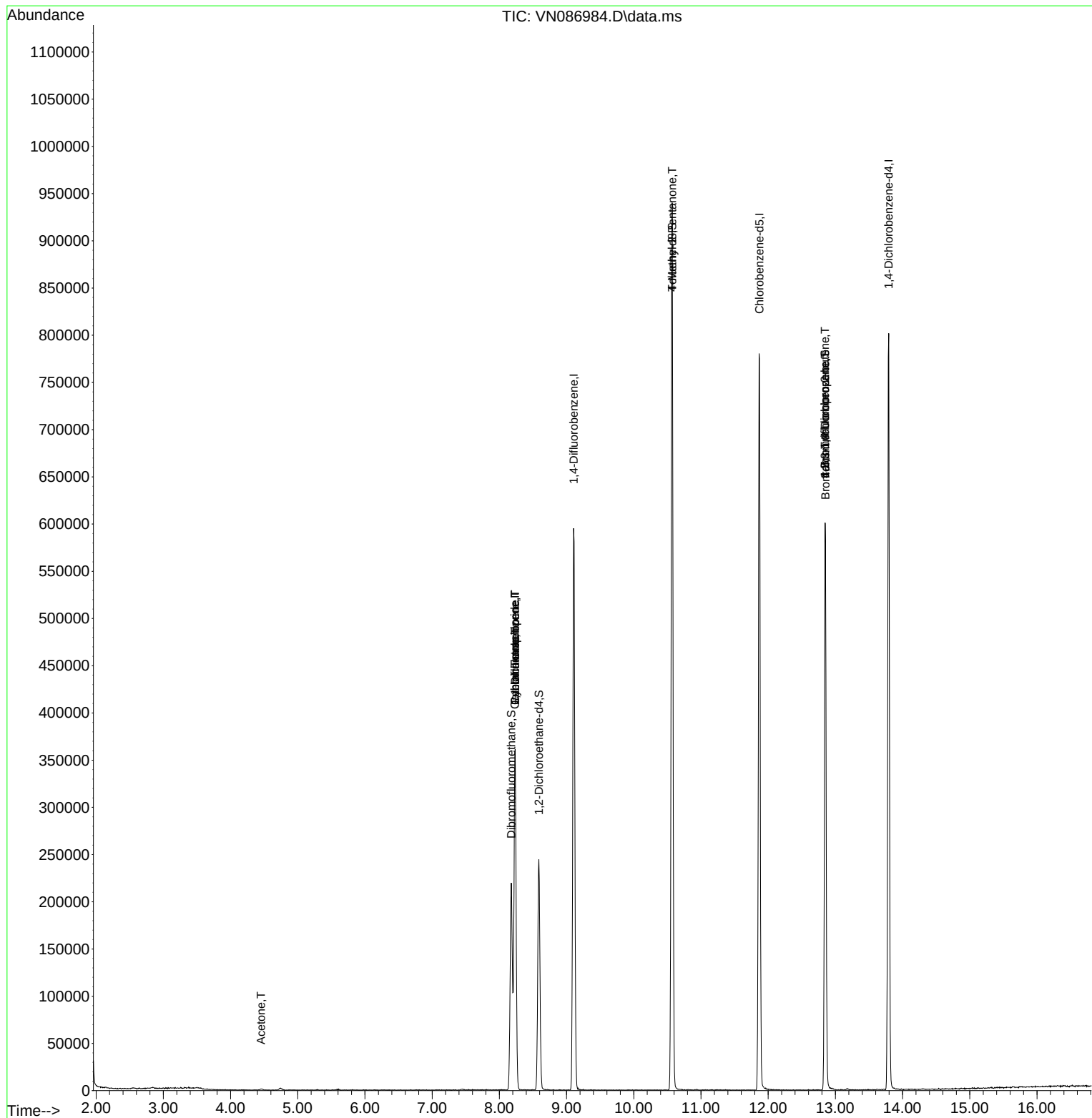
Internal Standards						
1) Pentafluorobenzene	8.235	168	283433	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	552519	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.870	117	494879	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	234248	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	199435	52.554	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 105.100%		
35) Dibromofluoromethane	8.177	113	166879	50.965	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.940%		
50) Toluene-d8	10.571	98	678117	52.314	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.620%		
62) 4-Bromofluorobenzene	12.847	95	244170	50.701	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 101.400%		
Target Compounds						
					Qvalue	
16) Acetone	4.453	43	2302	1.144	ug/l	89
31) Cyclohexane	8.235	56	5058	0.822	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	21343	4.374	ug/l #	48
38) Carbon Tetrachloride	8.230	117	27538	5.749	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	2457	0.409	ug/l #	1
71) Bromoform	12.853	173	1331	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	112717	20.243	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	112717	46.599	ug/l #	16

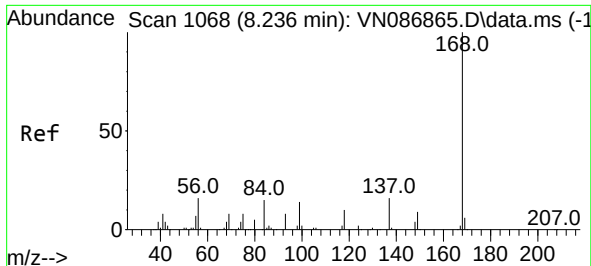
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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

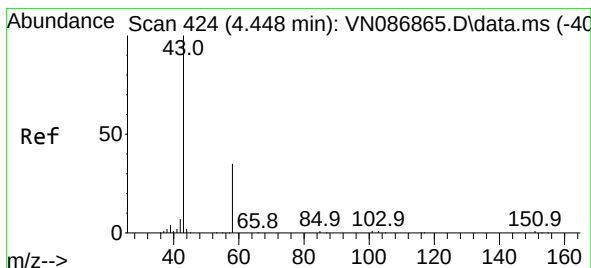
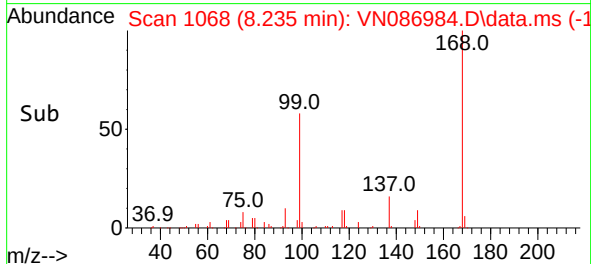
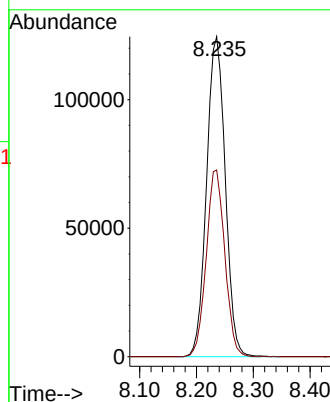
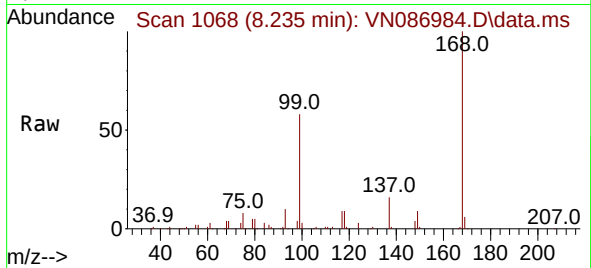




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 11
Delta R.T. -0.001 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

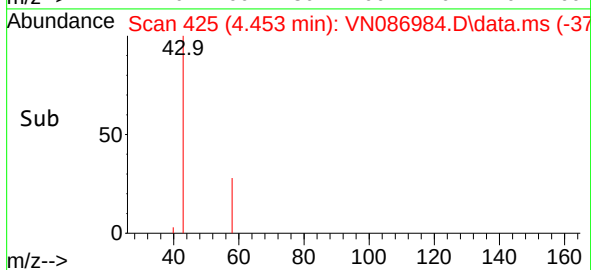
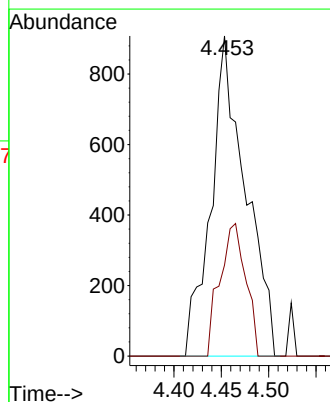
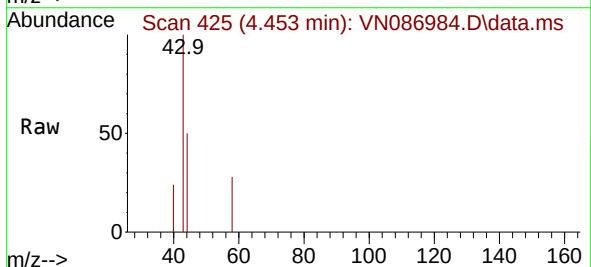
Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

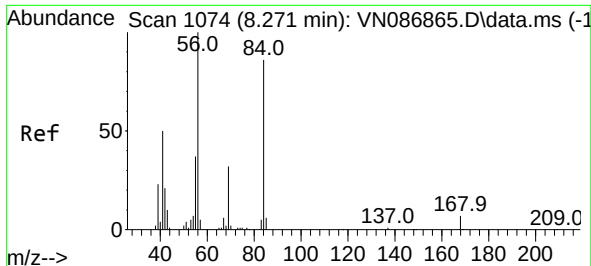
Tgt Ion:168 Resp: 283433
Ion Ratio Lower Upper
168 100
99 58.4 49.1 73.7



#16
Acetone
Concen: 1.144 ug/l
RT: 4.453 min Scan# 425
Delta R.T. 0.006 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 43 Resp: 2302
Ion Ratio Lower Upper
43 100
58 28.4 28.0 42.0

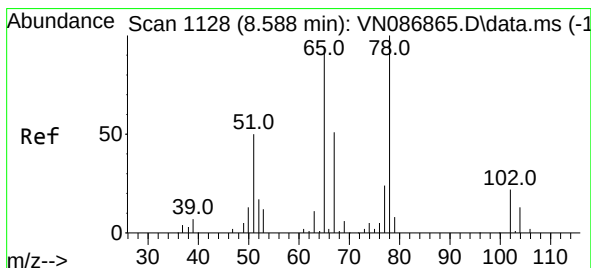
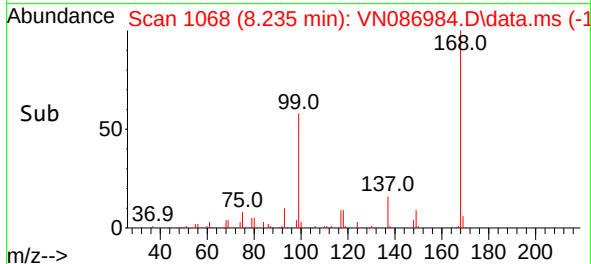
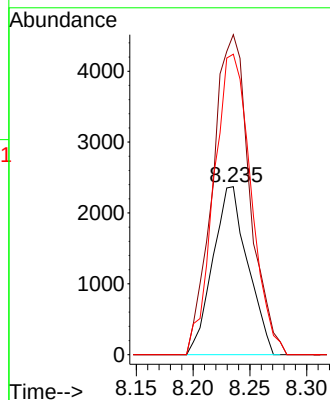
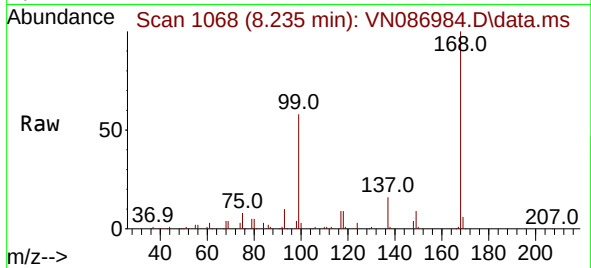




#31
Cyclohexane
Concen: 0.822 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.035 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

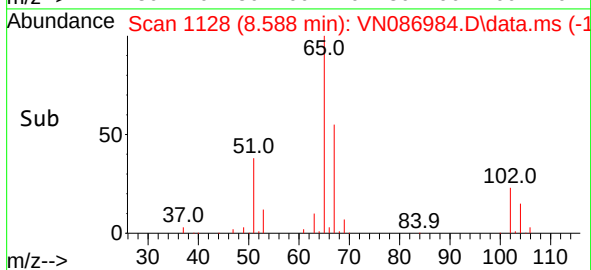
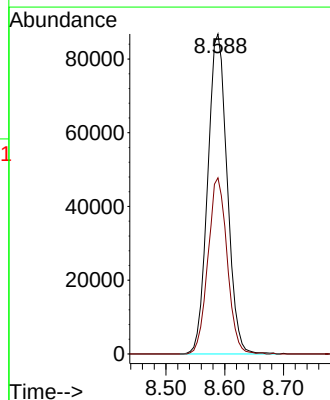
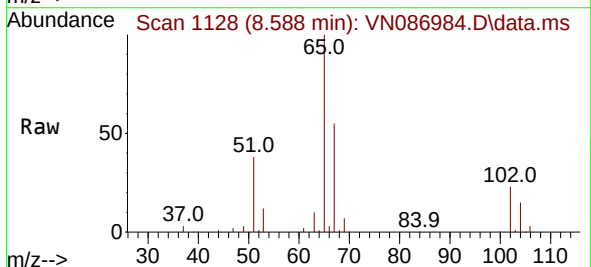
Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

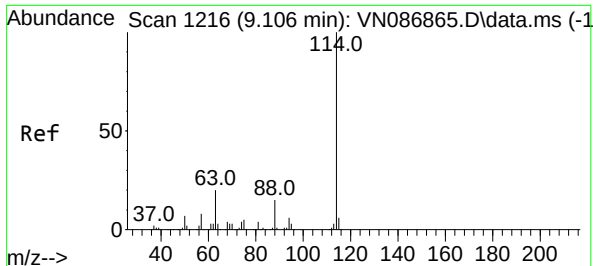
Tgt Ion: 56 Resp: 5058
Ion Ratio Lower Upper
56 100
69 190.4 25.4 38.0#
84 178.8 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 52.554 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 65 Resp: 199435
Ion Ratio Lower Upper
65 100
67 54.2 0.0 105.6

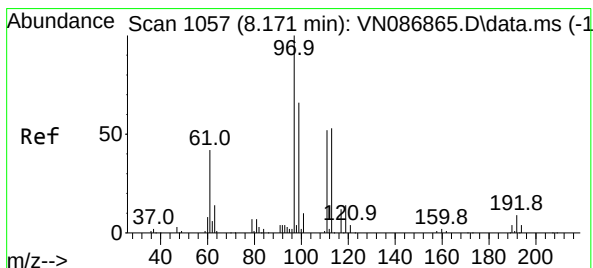
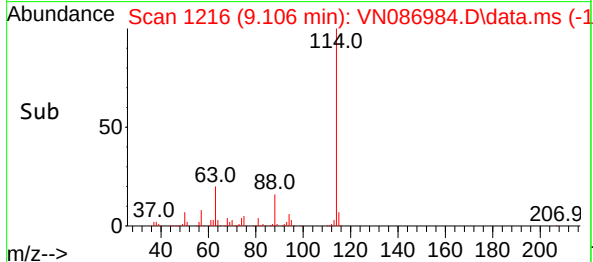
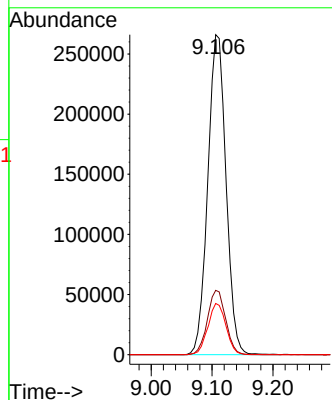
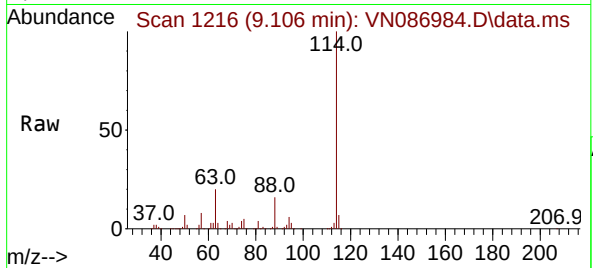




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 9.106 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

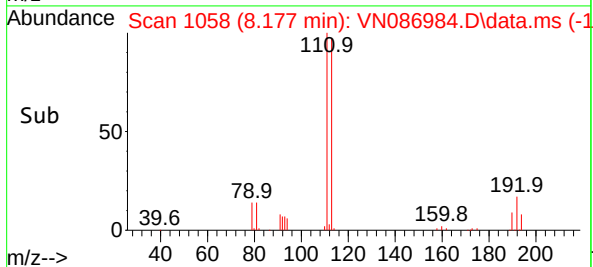
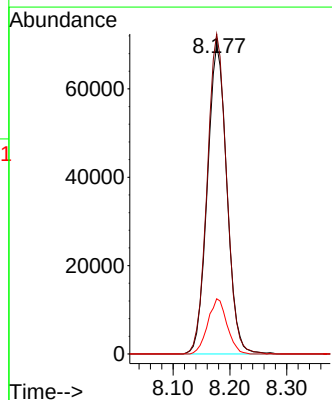
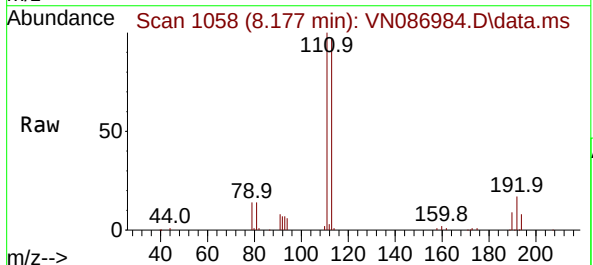
Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

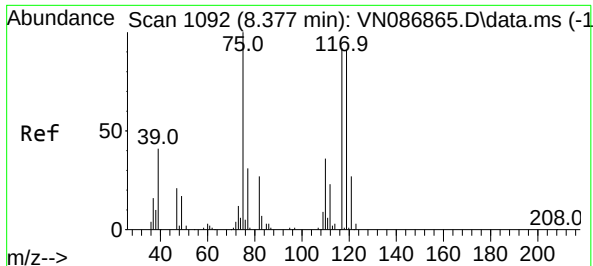
Tgt Ion:114 Resp: 552519
Ion Ratio Lower Upper
114 100
63 20.1 0.0 39.6
88 16.0 0.0 30.2



#35
Dibromofluoromethane
Concen: 50.965 ug/l
RT: 8.177 min Scan# 1058
Delta R.T. 0.006 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion:113 Resp: 166879
Ion Ratio Lower Upper
113 100
111 102.8 84.2 126.2
192 17.5 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.374 ug/l

RT: 8.235 min Scan# 1

Delta R.T. -0.141 min

Lab File: VN086984.D

Acq: 12 Jun 2025 17:48

Instrument :

MSVOA_N

ClientSampleId :

TB-20250605

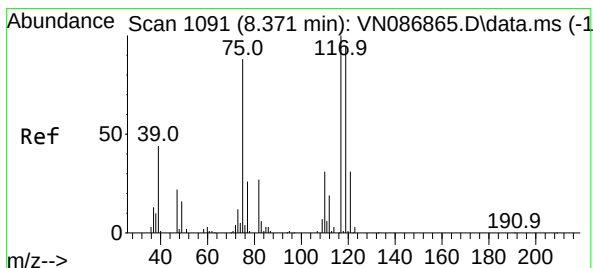
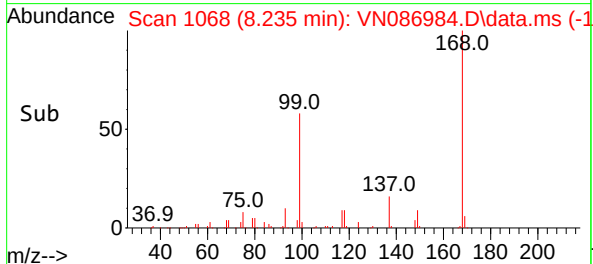
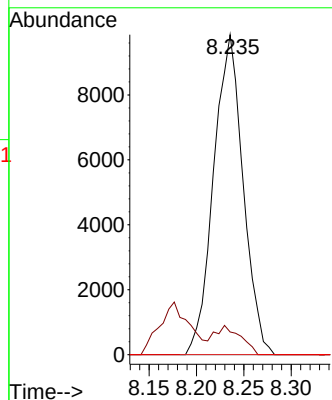
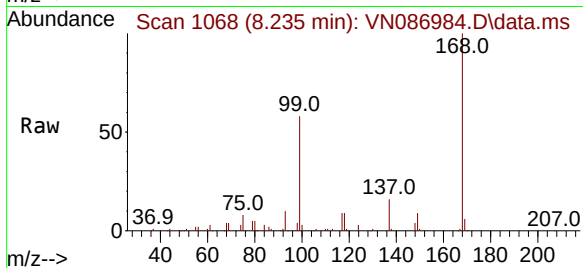
Tgt Ion: 75 Resp: 21343

Ion Ratio Lower Upper

75 100

110 8.0 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.749 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN086984.D

Acq: 12 Jun 2025 17:48

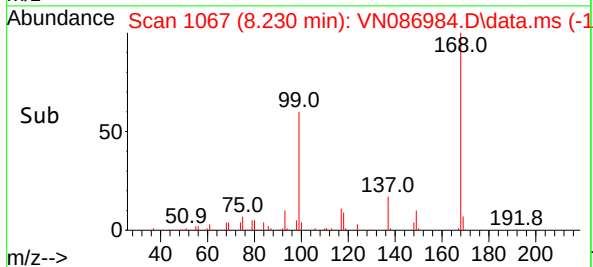
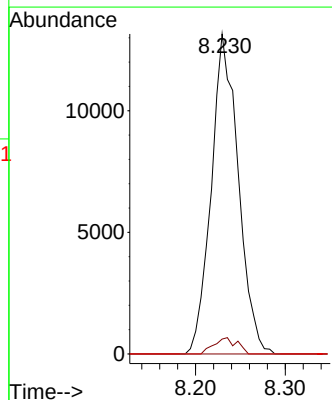
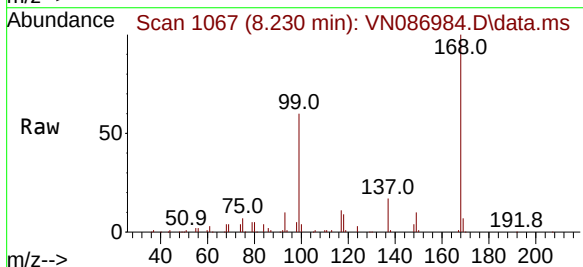
Tgt Ion: 117 Resp: 27538

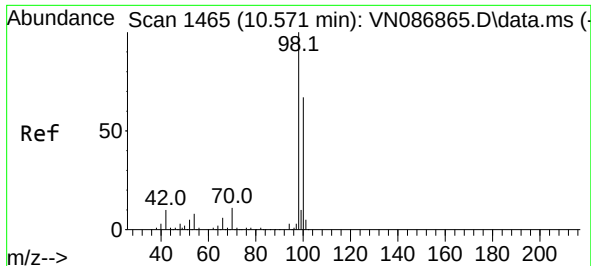
Ion Ratio Lower Upper

117 100

119 4.7 75.0 112.6#

121 0.0 24.9 37.3#

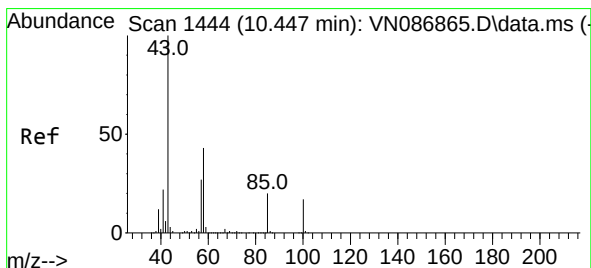
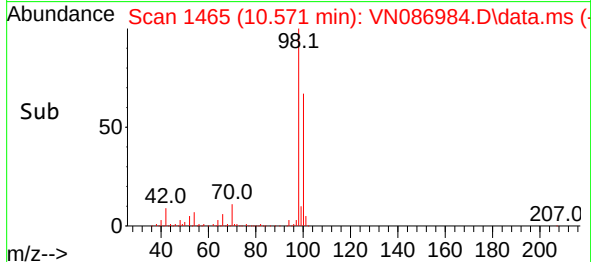
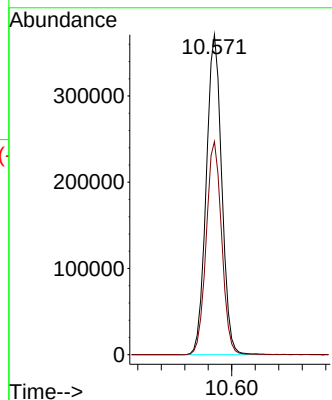
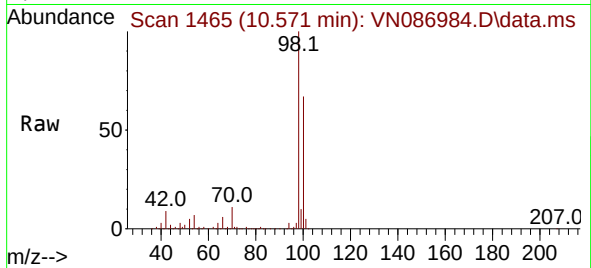




#50
Toluene-d8
Concen: 52.314 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

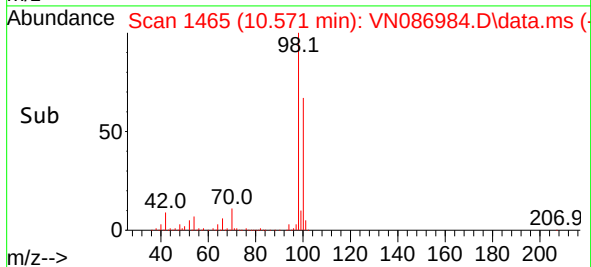
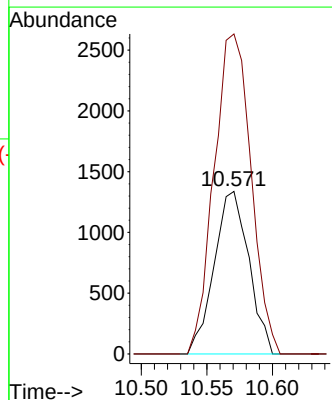
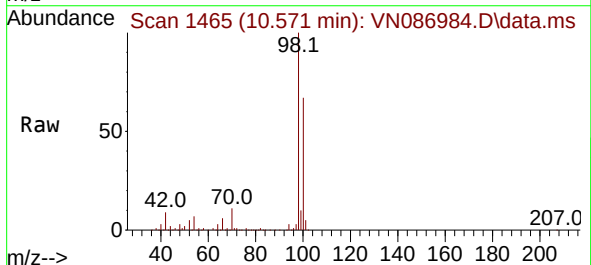
Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

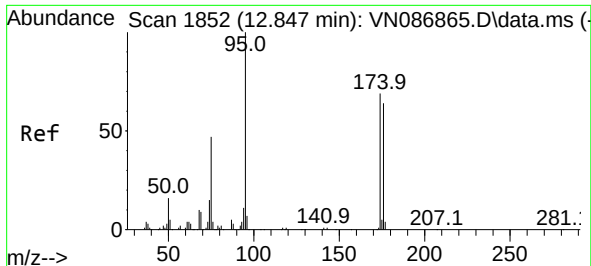
Tgt Ion: 98 Resp: 678117
Ion Ratio Lower Upper
98 100
100 66.6 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.409 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 43 Resp: 2457
Ion Ratio Lower Upper
43 100
58 210.4 34.2 51.4#

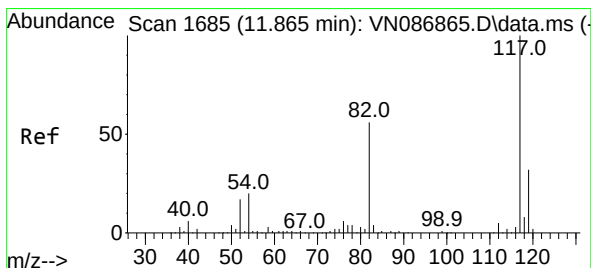
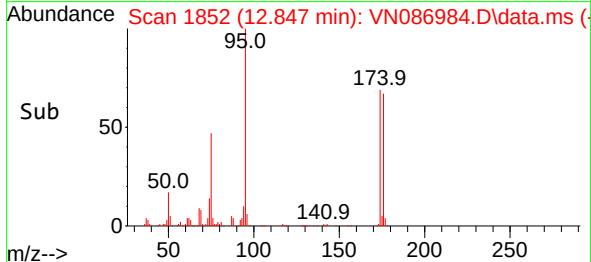
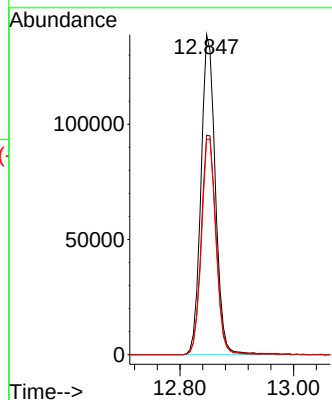
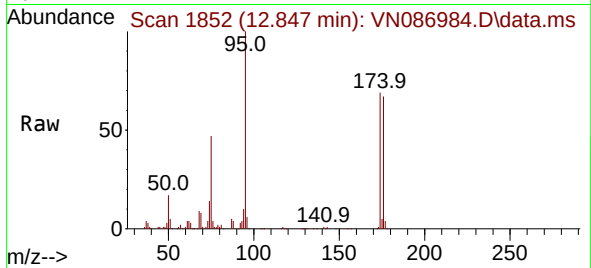




#62
4-Bromofluorobenzene
Concen: 50.701 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

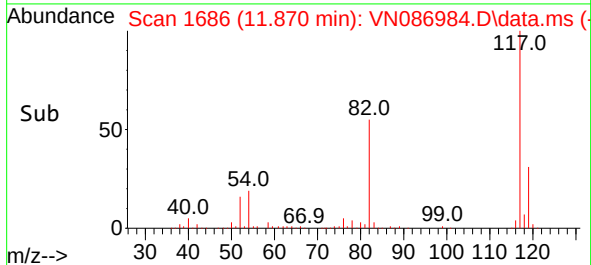
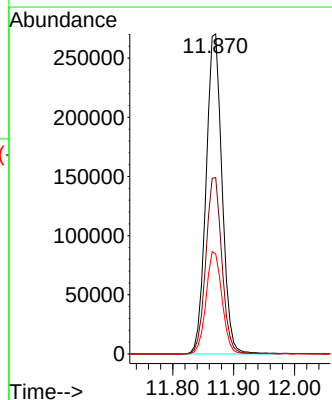
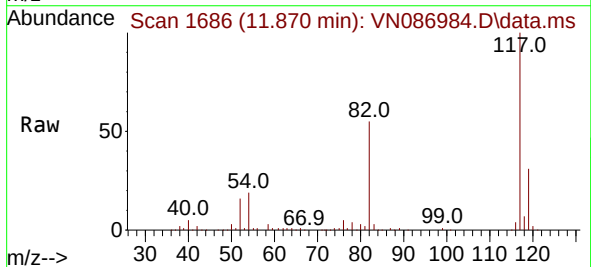
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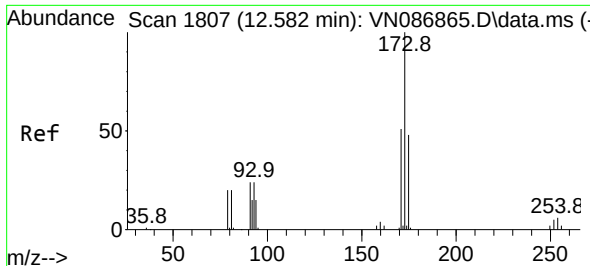
Tgt Ion: 95 Resp: 244170
Ion Ratio Lower Upper
95 100
174 70.4 0.0 141.8
176 68.0 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.870 min Scan# 1686
Delta R.T. 0.006 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 117 Resp: 494879
Ion Ratio Lower Upper
117 100
82 55.1 44.6 67.0
119 31.2 25.5 38.3

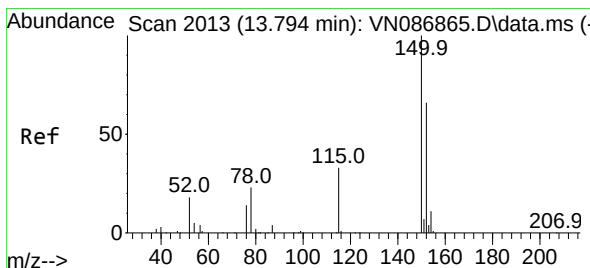
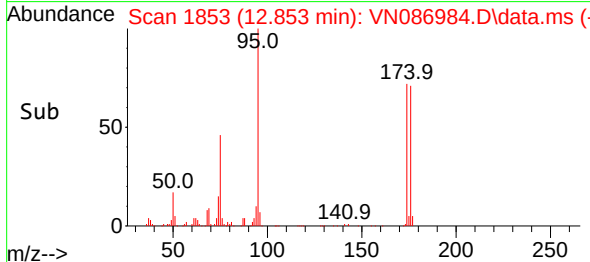
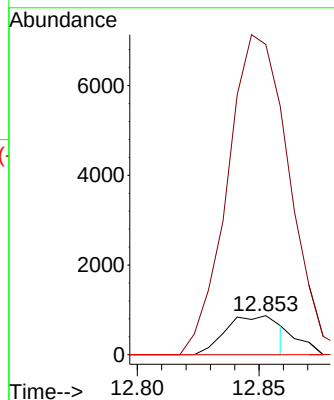
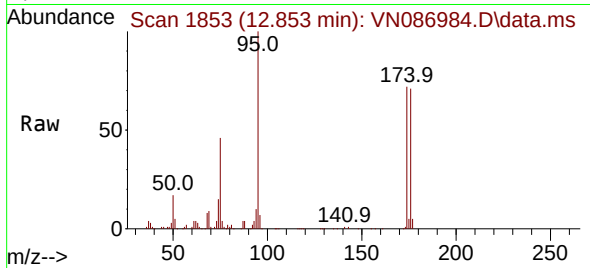




#71
Bromoform
Concen: 0.512 ug/l
RT: 12.853 min Scan# 1807
Delta R.T. 0.270 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

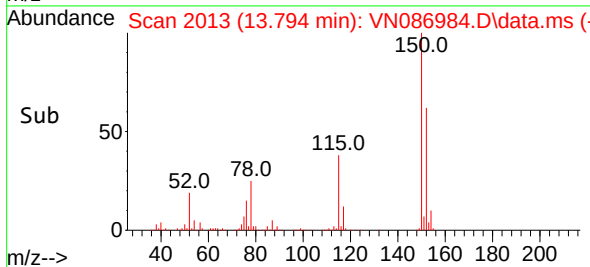
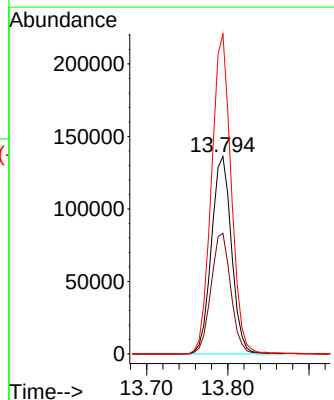
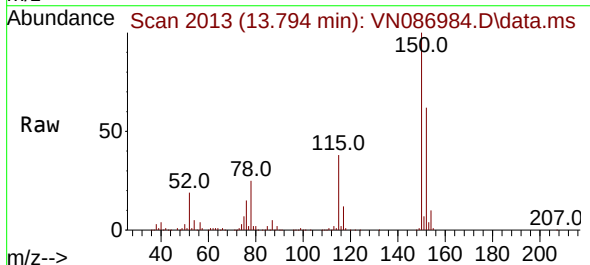
Instrument :
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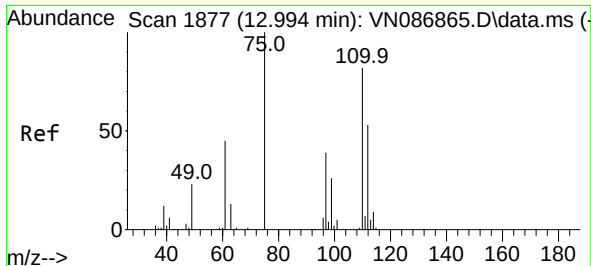
Tgt Ion:173 Resp: 1331
Ion Ratio Lower Upper
173 100
175 802.5 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. -0.000 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion:152 Resp: 234248
Ion Ratio Lower Upper
152 100
115 60.5 30.1 90.5
150 159.2 0.0 345.0

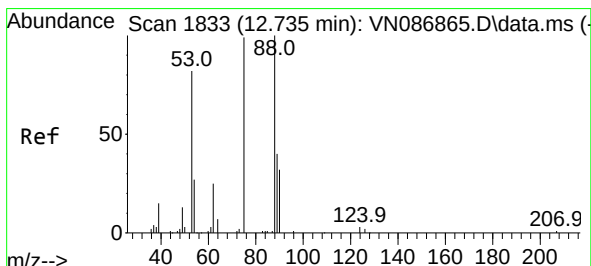
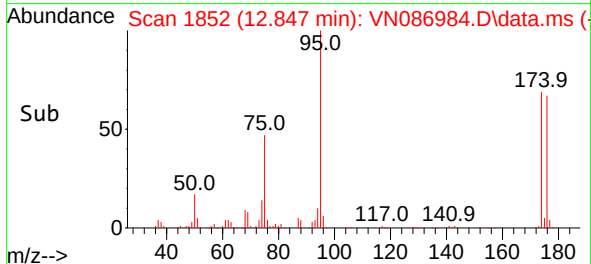
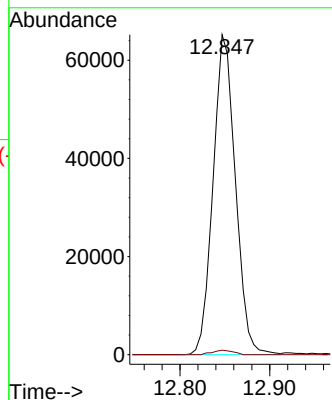
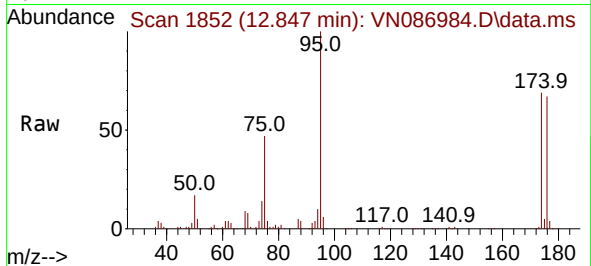




#76
1,2,3-Trichloropropane
Concen: 20.243 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Instrument :
MSVOA_N
ClientSampleId :
TB-20250605

Tgt Ion: 75 Resp: 112717
Ion Ratio Lower Upper
75 100
77 1.3 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 46.599 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN086984.D
Acq: 12 Jun 2025 17:48

Tgt Ion: 75 Resp: 112717
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

