

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061825\
 Data File : VN087092.D
 Acq On : 18 Jun 2025 17:36
 Operator : JC\MD
 Sample : Q2329-16
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 TB01-20250612

Quant Time: Jun 19 01:32:10 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)

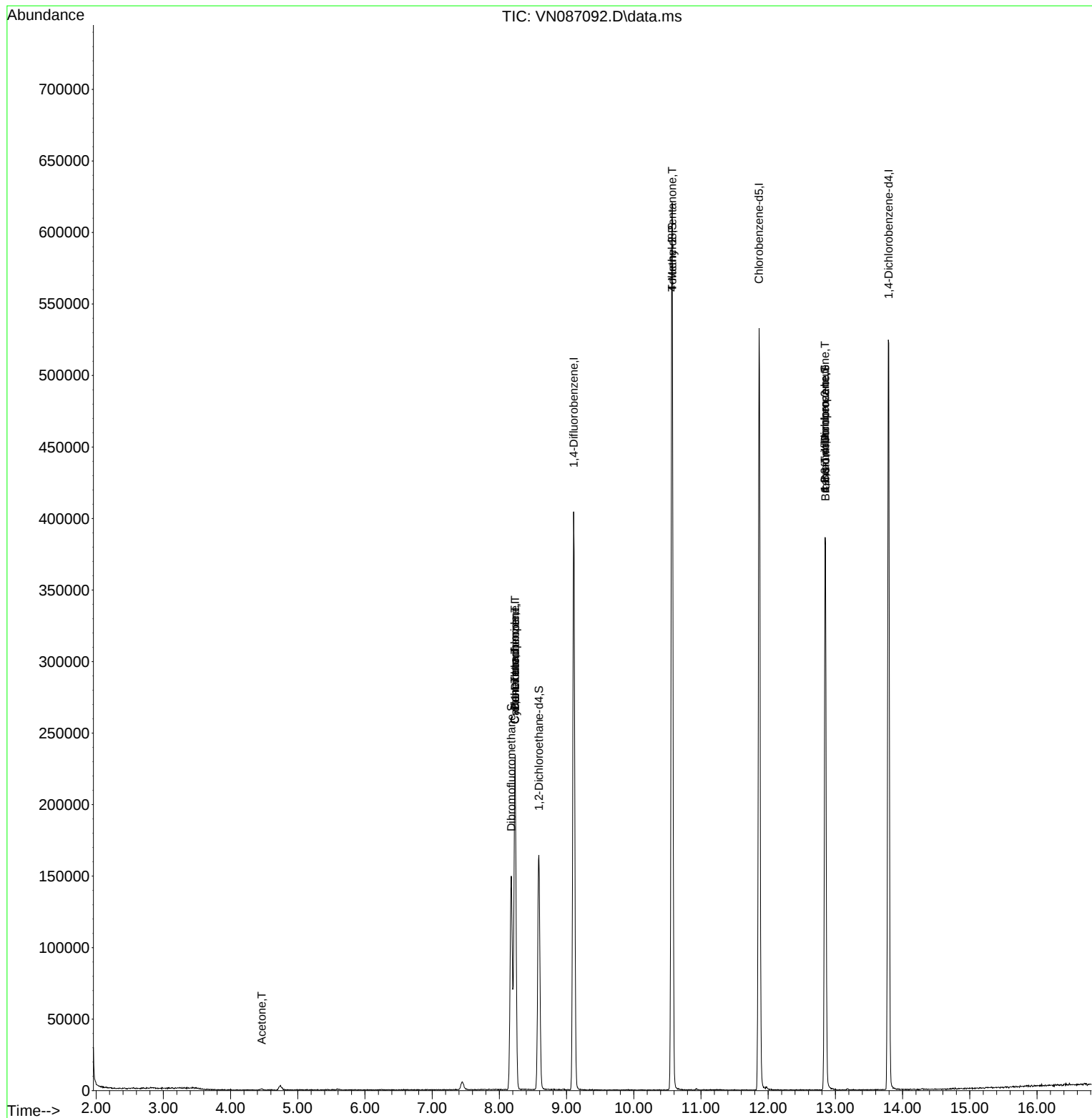
Internal Standards						
1) Pentafluorobenzene	8.235	168	182714	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	371831	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.864	117	338148	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	158047	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.588	65	135814	55.517	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 111.040%		
35) Dibromofluoromethane	8.177	113	116458	52.850	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 105.700%		
50) Toluene-d8	10.570	98	456639	52.347	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 104.700%		
62) 4-Bromofluorobenzene	12.847	95	159783	49.301	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 98.600%		
Target Compounds						Qvalue
16) Acetone	4.465	43	1517	1.169	ug/l	97
31) Cyclohexane	8.229	56	3312	0.835	ug/l #	1
36) 1,1-Dichloropropene	8.235	75	13955	4.250	ug/l #	48
38) Carbon Tetrachloride	8.229	117	17447	5.412	ug/l #	17
51) 4-Methyl-2-Pentanone	10.570	43	1380	0.342	ug/l #	1
71) Bromoform	12.853	173	927	0.522	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74447	19.816	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	74447	45.616	ug/l #	16

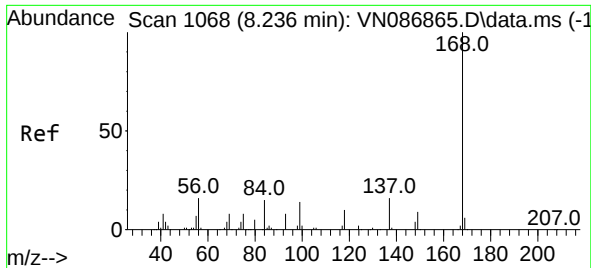
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

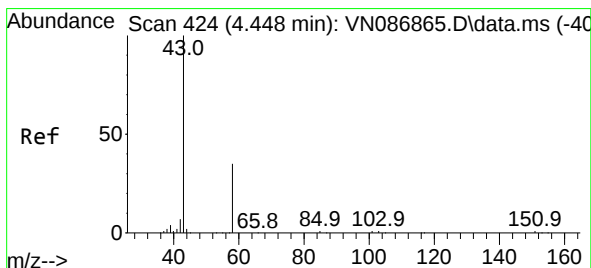
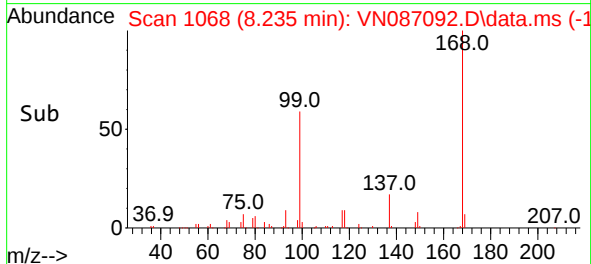
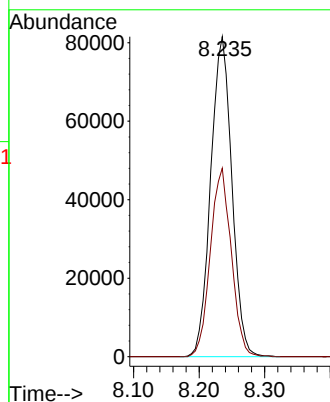
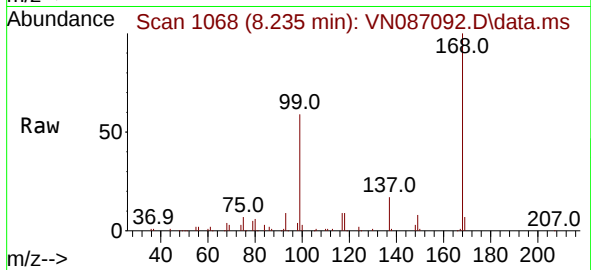




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.235 min Scan# 1068
Delta R.T. -0.001 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

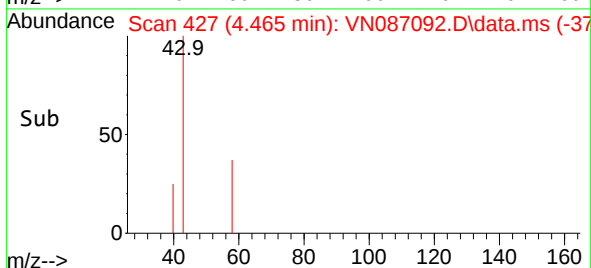
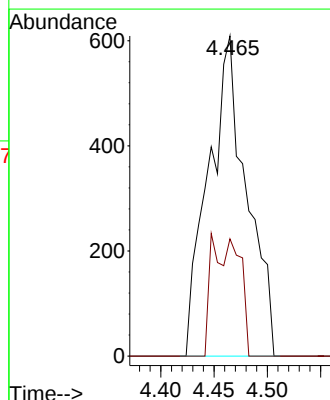
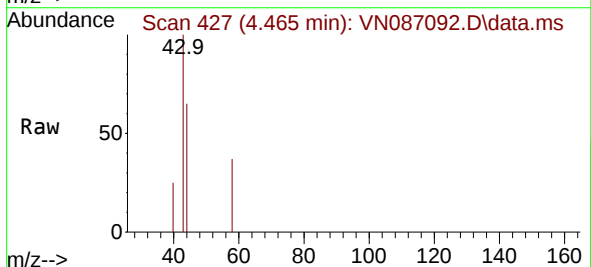
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MSVOA_N
ClientSampleId :
TB01-20250612

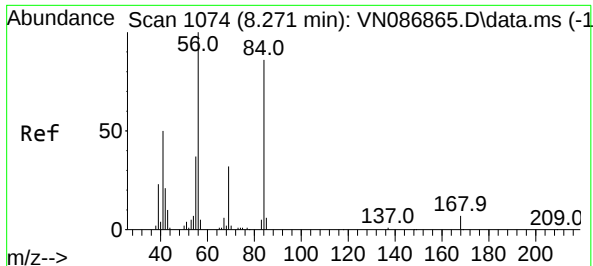
Tgt Ion:168 Resp: 182714
Ion Ratio Lower Upper
168 100
99 58.9 49.1 73.7



#16
Acetone
Concen: 1.169 ug/l
RT: 4.465 min Scan# 427
Delta R.T. 0.017 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 43 Resp: 1517
Ion Ratio Lower Upper
43 100
58 36.6 28.0 42.0

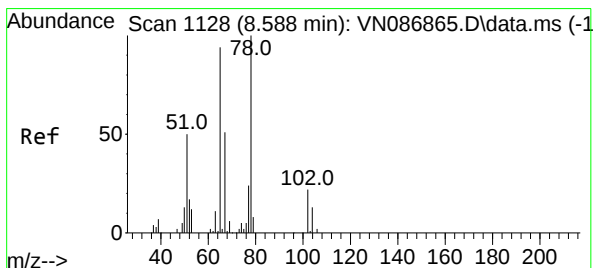
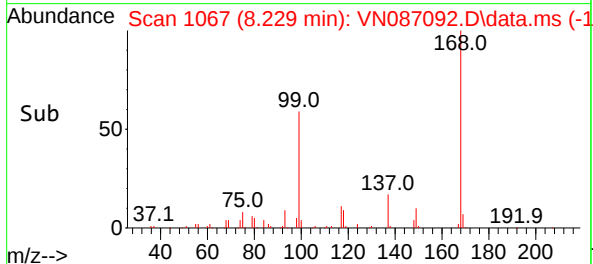
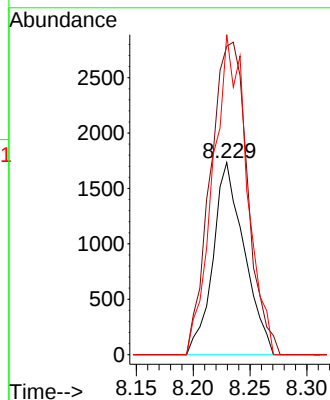
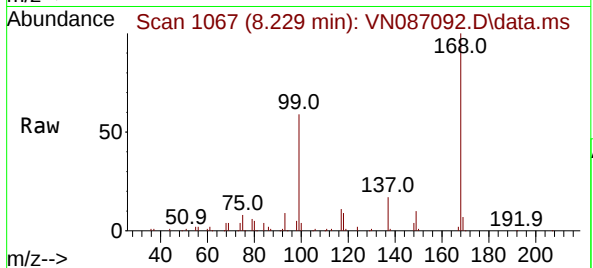




#31
Cyclohexane
Concen: 0.835 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

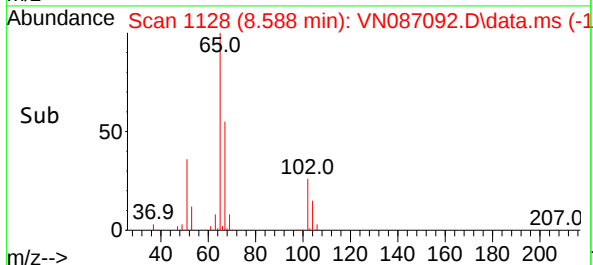
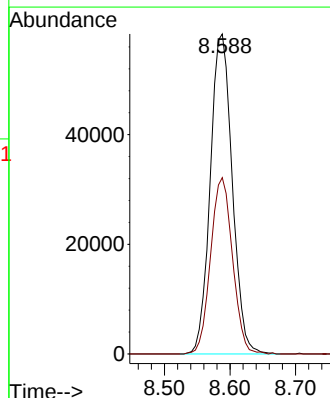
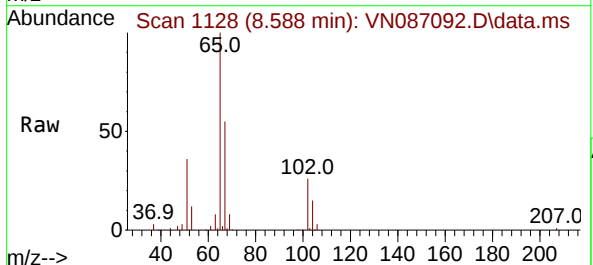
Instrument :
MSVOA_N
ClientSampleId :
TB01-20250612

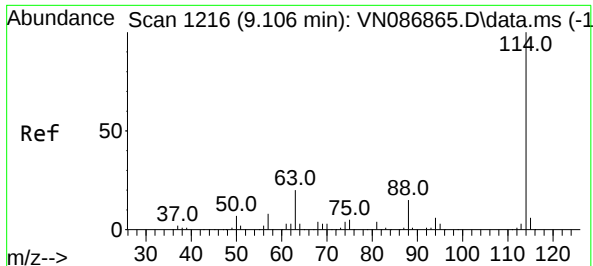
Tgt Ion: 56 Resp: 3312
Ion Ratio Lower Upper
56 100
69 160.6 25.4 38.0#
84 166.6 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 55.517 ug/l
RT: 8.588 min Scan# 1128
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 65 Resp: 135814
Ion Ratio Lower Upper
65 100
67 54.9 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: VN087092.D

Acq: 18 Jun 2025 17:36

Instrument :

MSVOA_N

ClientSampleId :

TB01-20250612

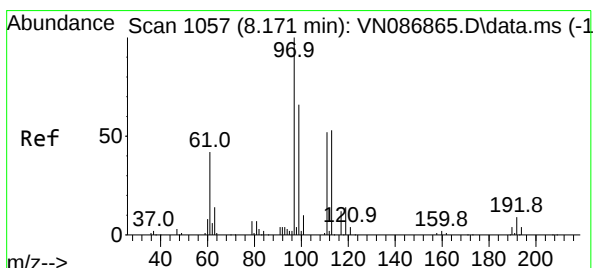
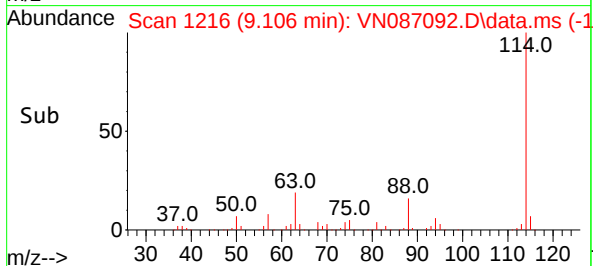
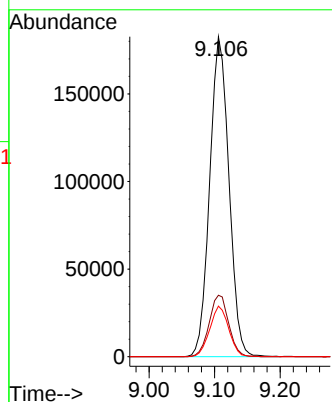
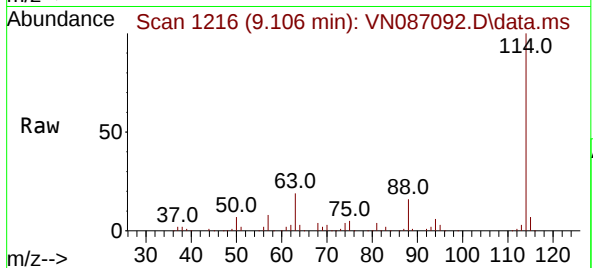
Tgt Ion:114 Resp: 371831

Ion Ratio Lower Upper

114 100

63 19.2 0.0 39.6

88 15.8 0.0 30.2



#35

Dibromofluoromethane

Concen: 52.850 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087092.D

Acq: 18 Jun 2025 17:36

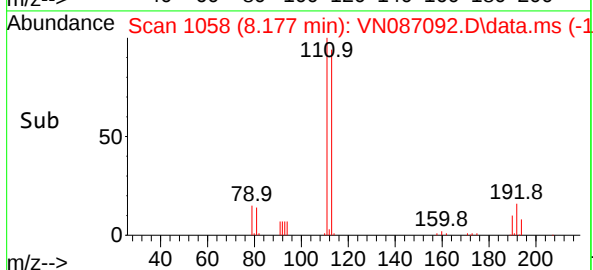
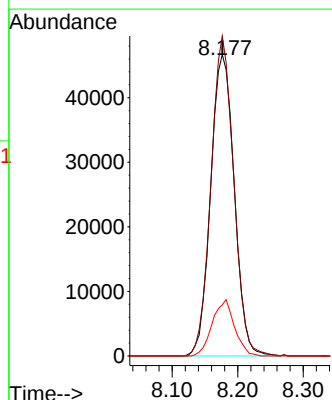
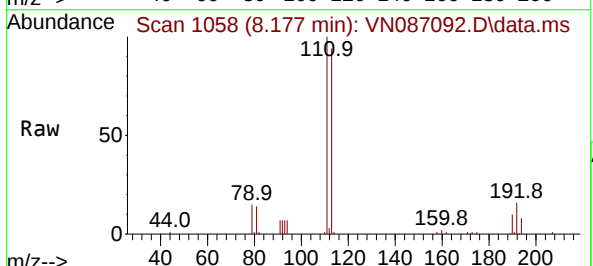
Tgt Ion:113 Resp: 116458

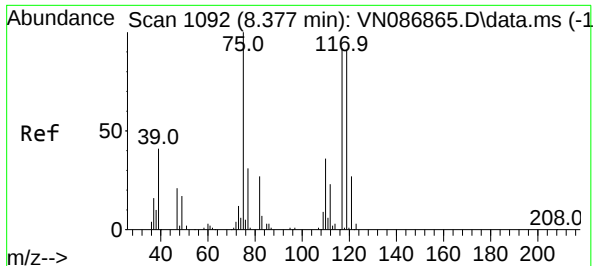
Ion Ratio Lower Upper

113 100

111 102.1 84.2 126.2

192 17.6 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.250 ug/l

RT: 8.235 min Scan# 1068

Delta R.T. -0.141 min

Lab File: VN087092.D

Acq: 18 Jun 2025 17:36

Instrument :

MSVOA_N

ClientSampleId :

TB01-20250612

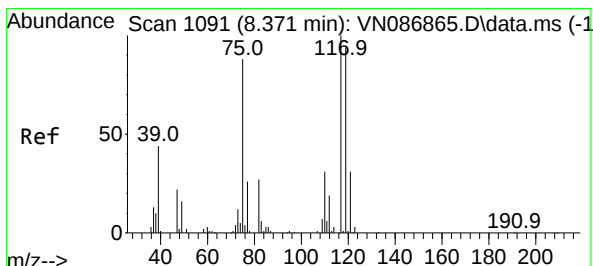
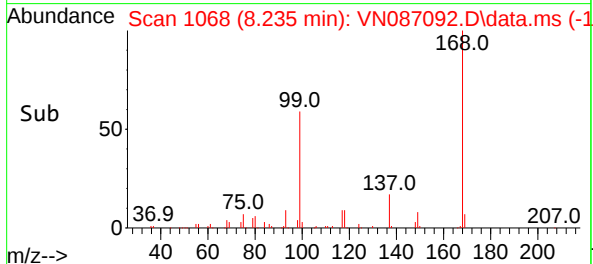
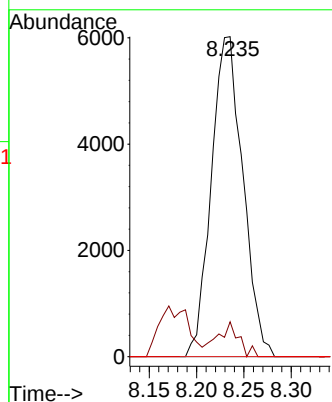
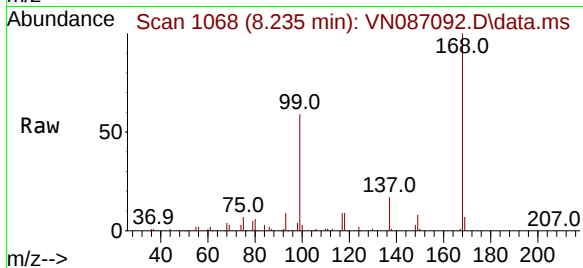
Tgt Ion: 75 Resp: 13955

Ion Ratio Lower Upper

75 100

110 7.5 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.412 ug/l

RT: 8.229 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087092.D

Acq: 18 Jun 2025 17:36

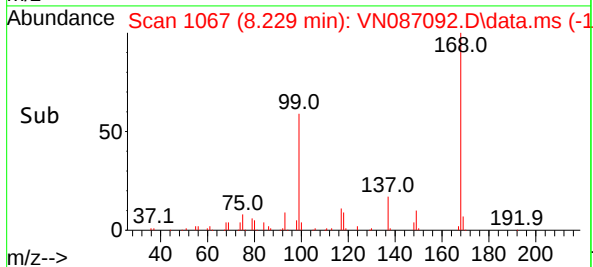
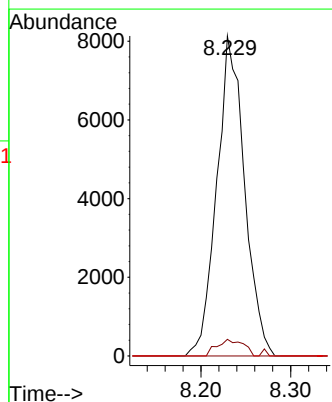
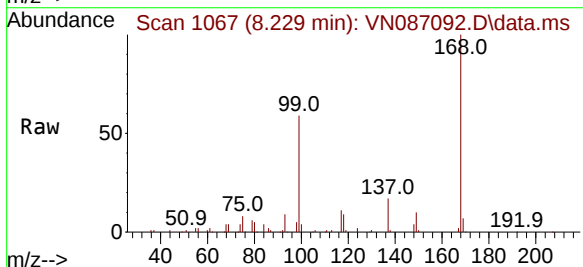
Tgt Ion: 117 Resp: 17447

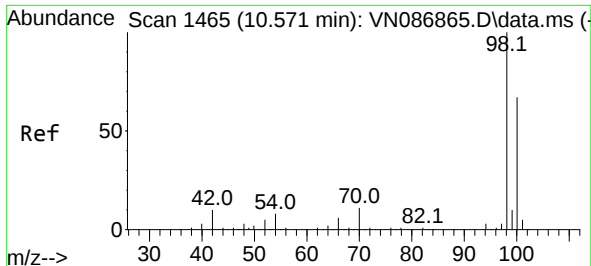
Ion Ratio Lower Upper

117 100

119 5.2 75.0 112.6#

121 0.0 24.9 37.3#

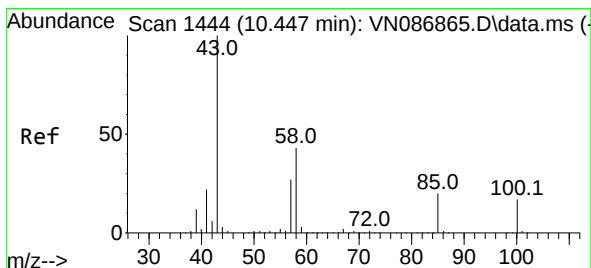
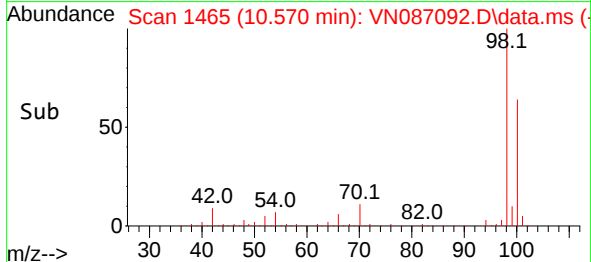
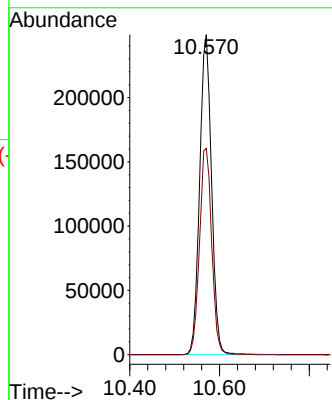
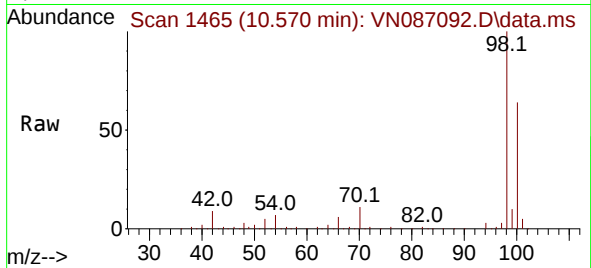




#50
Toluene-d8
Concen: 52.347 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

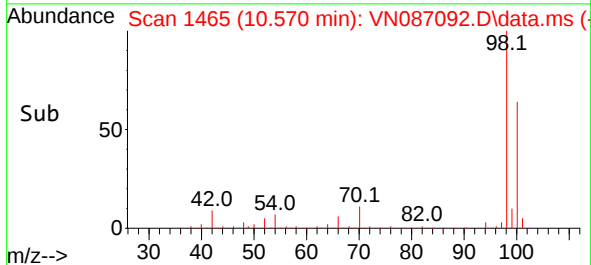
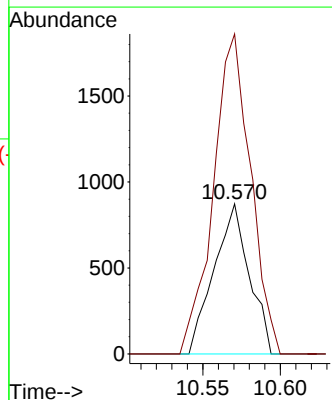
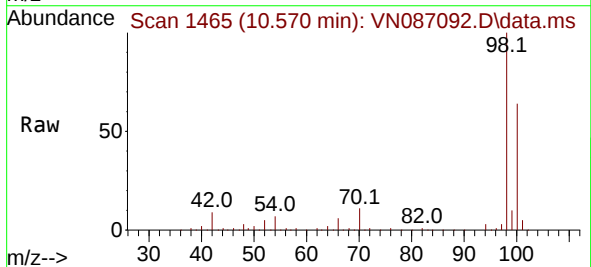
Instrument :
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ClientSampleId :
TB01-20250612

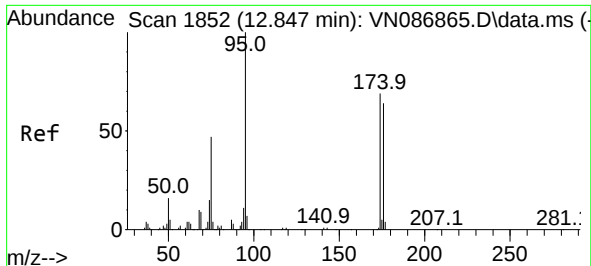
Tgt Ion: 98 Resp: 456639
Ion Ratio Lower Upper
98 100
100 66.2 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.342 ug/l
RT: 10.570 min Scan# 1465
Delta R.T. 0.123 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 43 Resp: 1380
Ion Ratio Lower Upper
43 100
58 225.7 34.2 51.4#

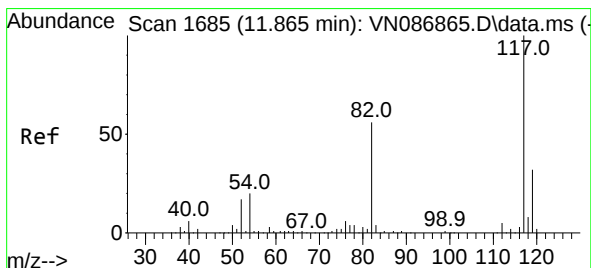
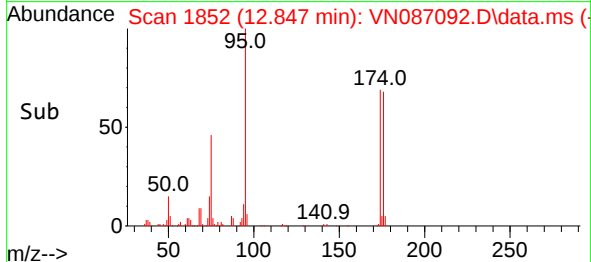
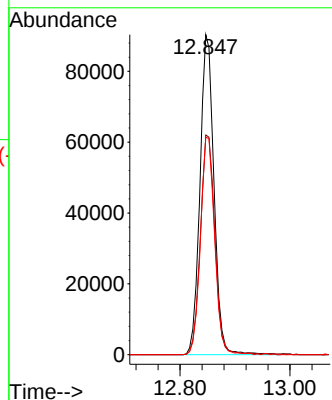
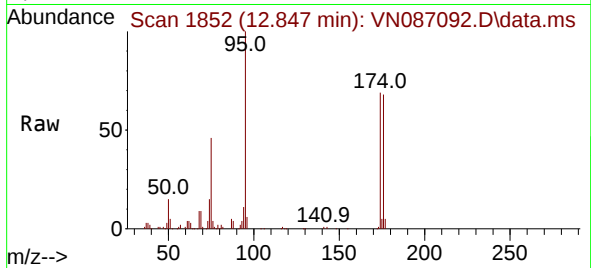




#62
4-Bromofluorobenzene
Concen: 49.301 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

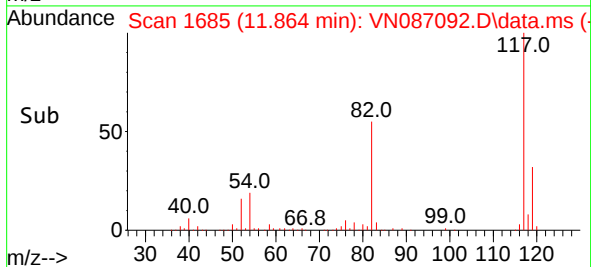
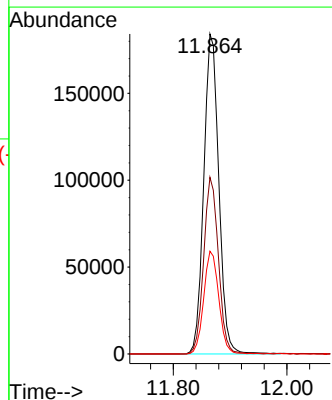
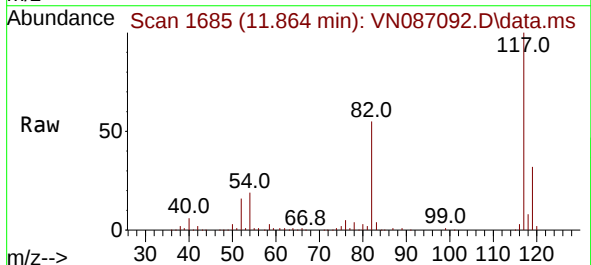
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TB01-20250612

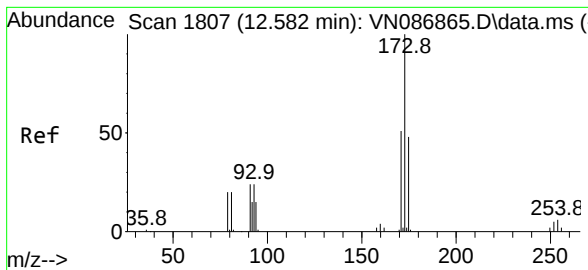
Tgt Ion: 95 Resp: 159783
Ion Ratio Lower Upper
95 100
174 70.7 0.0 141.8
176 68.7 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.864 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 117 Resp: 338148
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 32.1 25.5 38.3





#71

Bromoform

Concen: 0.522 ug/l

RT: 12.853 min Scan# 1807

Delta R.T. 0.270 min

Lab File: VN087092.D

Acq: 18 Jun 2025 17:36

Instrument :

MSVOA_N

ClientSampleId :

TB01-20250612

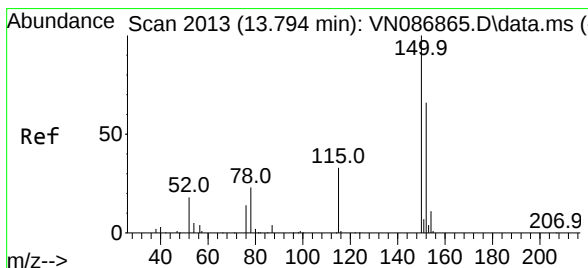
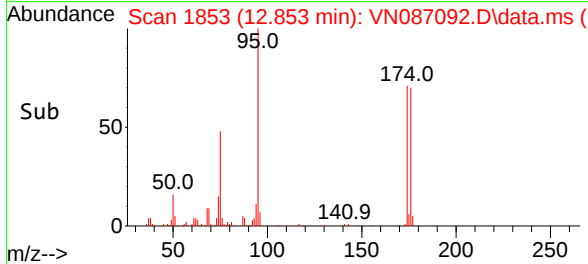
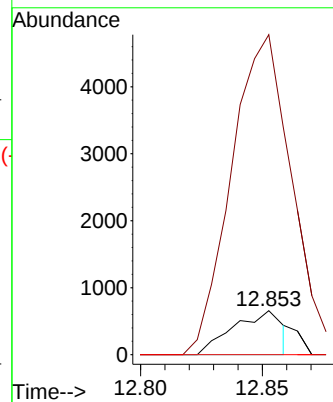
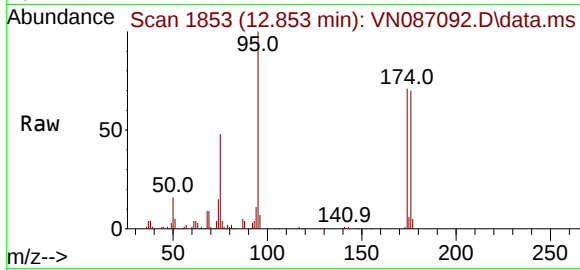
Tgt Ion:173 Resp: 927

Ion Ratio Lower Upper

173 100

175 752.4 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: VN087092.D

Acq: 18 Jun 2025 17:36

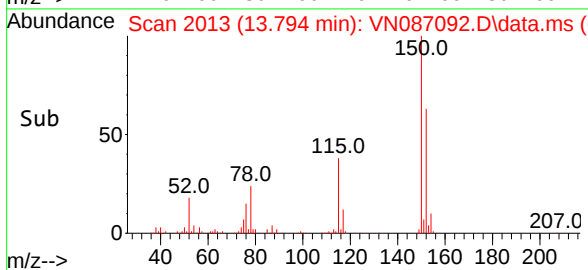
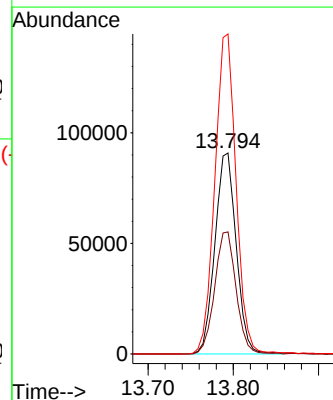
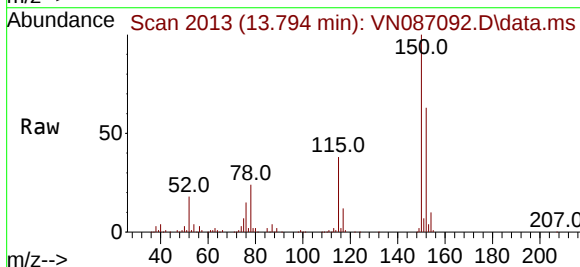
Tgt Ion:152 Resp: 158047

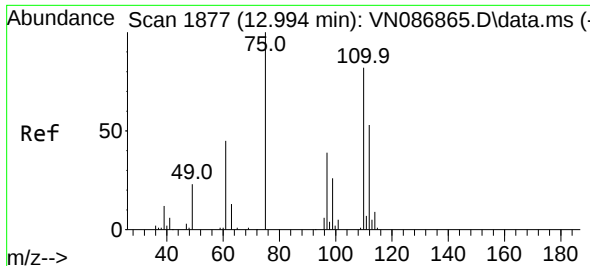
Ion Ratio Lower Upper

152 100

115 61.0 30.1 90.5

150 158.5 0.0 345.0

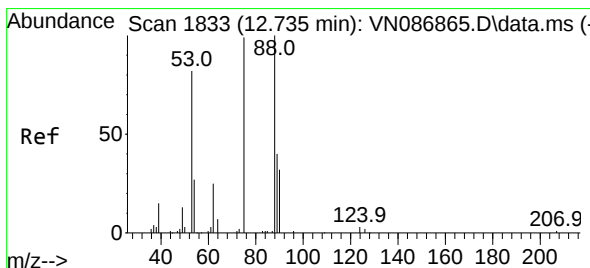
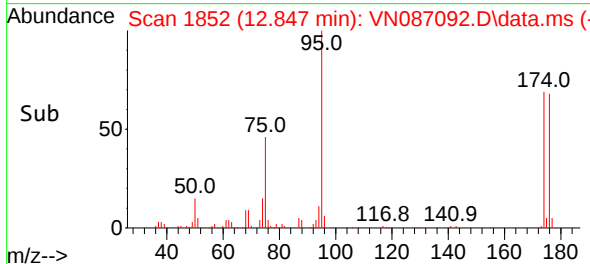
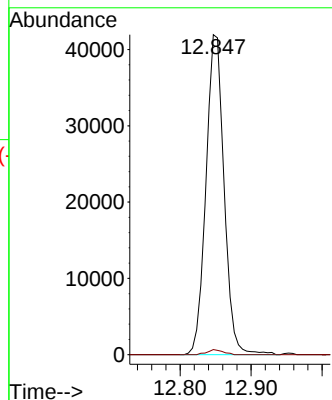
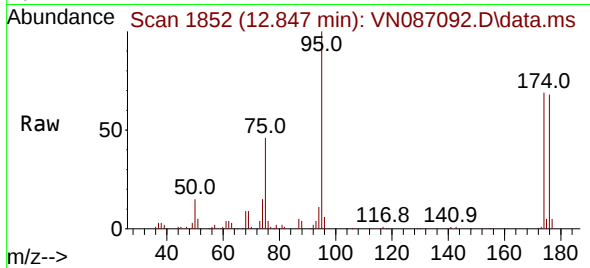




#76
1,2,3-Trichloropropane
Concen: 19.816 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Instrument :
MSVOA_N
ClientSampleId :
TB01-20250612

Tgt Ion: 75 Resp: 74447
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 45.616 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.111 min
Lab File: VN087092.D
Acq: 18 Jun 2025 17:36

Tgt Ion: 75 Resp: 74447
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

