

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062025\
 Data File : VN087124.D
 Acq On : 20 Jun 2025 09:46
 Operator : JC\MD
 Sample : VN0620WBL01
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

Quant Time: Jun 20 22:59:41 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	186699	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	379621	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	343369	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	159510	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	137319	54.934	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 109.860%			
35) Dibromofluoromethane	8.171	113	115842	51.492	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 102.980%			
50) Toluene-d8	10.565	98	468951	52.655	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 105.320%			
62) 4-Bromofluorobenzene	12.847	95	161930	48.938	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 97.880%			
Target Compounds						Qvalue
31) Cyclohexane	8.230	56	3039	0.750	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	14155	4.222	ug/l #	47
38) Carbon Tetrachloride	8.230	117	18057	5.486	ug/l #	17
51) 4-Methyl-2-Pentanone	10.559	43	1304	0.316	ug/l #	1
71) Bromoform	12.853	173	833	0.462	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	76239	20.107	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	76239	46.286	ug/l #	16

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

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Response via : Initial Calibration

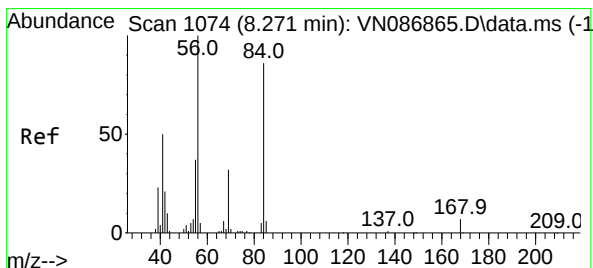
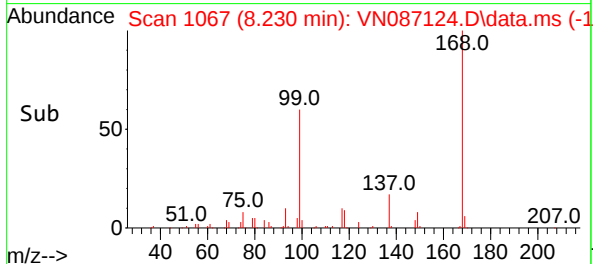
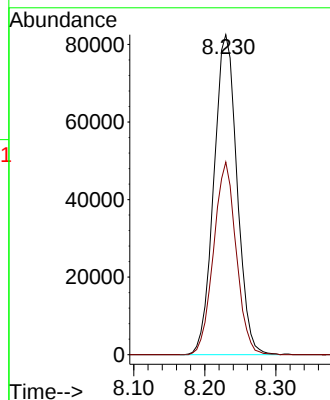
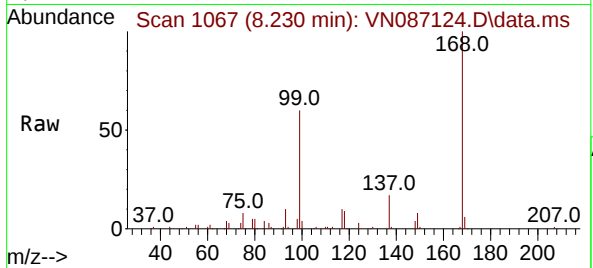




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.006 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

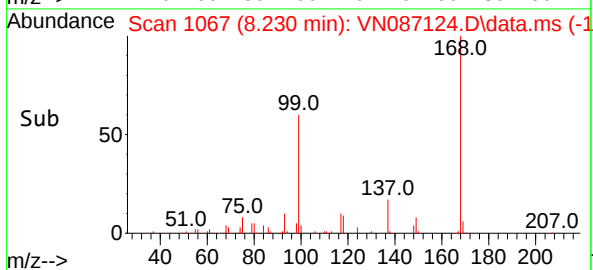
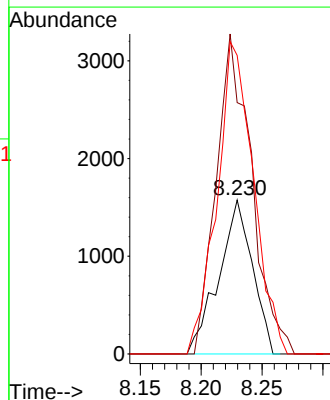
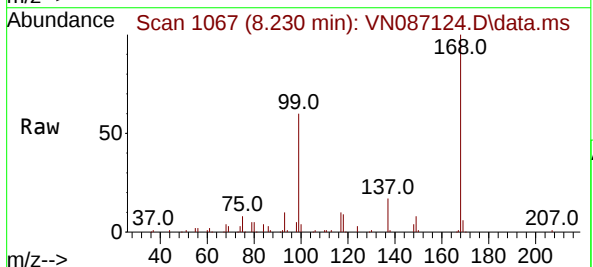
Instrument :
MSVOA_N
ClientSampleId :
VN0620WBL01

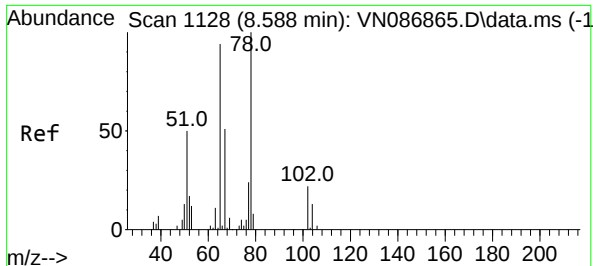
Tgt Ion:168 Resp: 186699
Ion Ratio Lower Upper
168 100
99 60.2 49.1 73.7



#31
Cyclohexane
Concen: 0.750 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

Tgt Ion: 56 Resp: 3039
Ion Ratio Lower Upper
56 100
69 163.3 25.4 38.0#
84 193.9 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 54.934 ug/l

RT: 8.583 min Scan# 1128

Delta R.T. -0.006 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

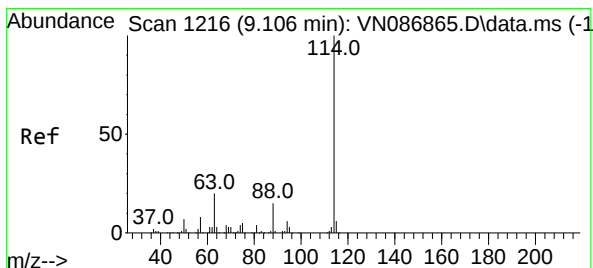
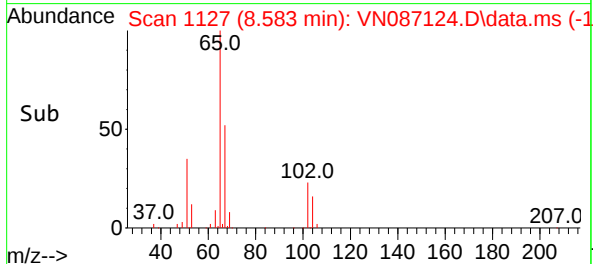
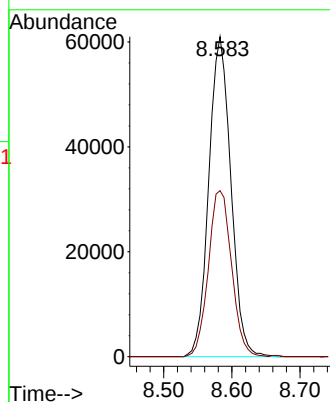
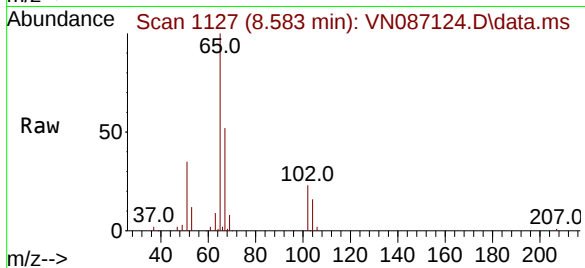
VN0620WBL01

Tgt Ion: 65 Resp: 137319

Ion Ratio Lower Upper

65 100

67 54.6 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: VN087124.D

Acq: 20 Jun 2025 09:46

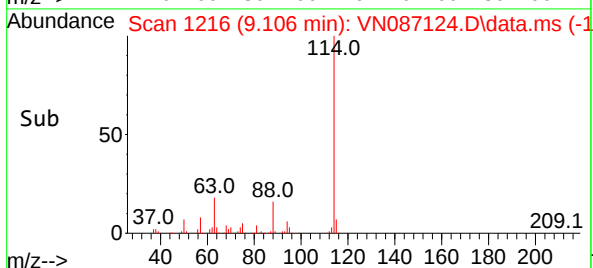
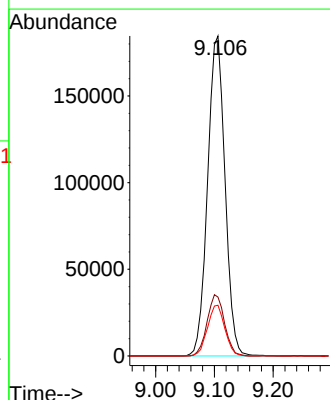
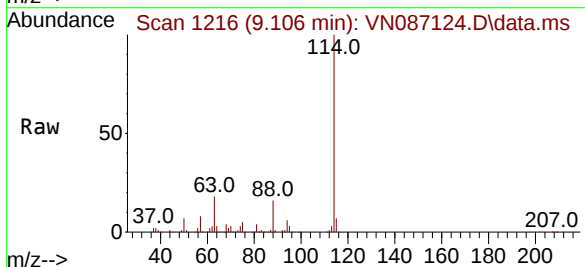
Tgt Ion: 114 Resp: 379621

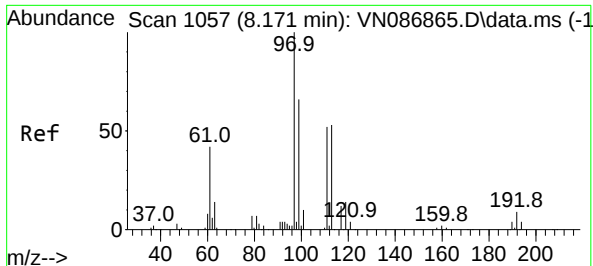
Ion Ratio Lower Upper

114 100

63 18.4 0.0 39.6

88 15.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 51.492 ug/l

RT: 8.171 min Scan# 1057

Delta R.T. -0.000 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

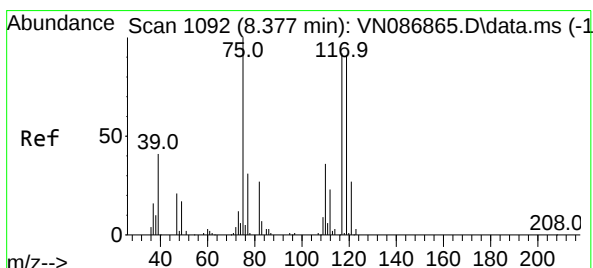
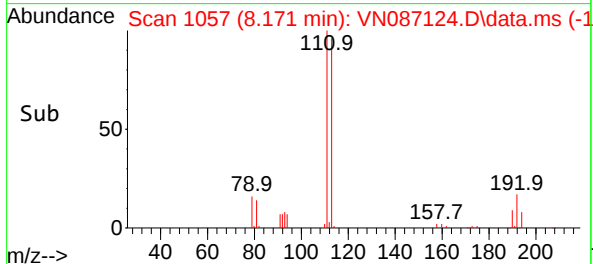
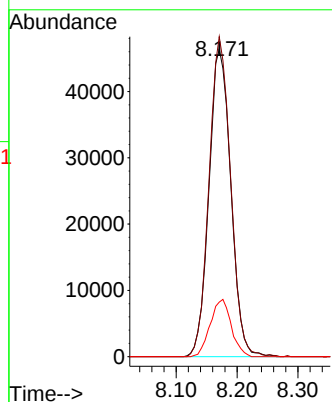
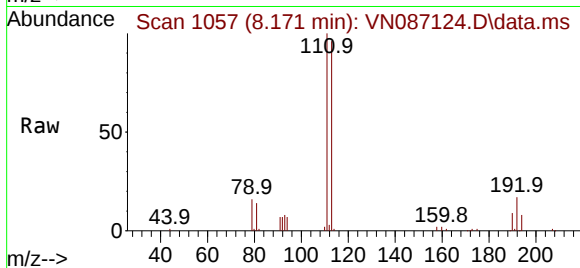
Tgt Ion:113 Resp: 115842

Ion Ratio Lower Upper

113 100

111 102.2 84.2 126.2

192 17.9 14.2 21.4



#36

1,1-Dichloropropene

Concen: 4.222 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

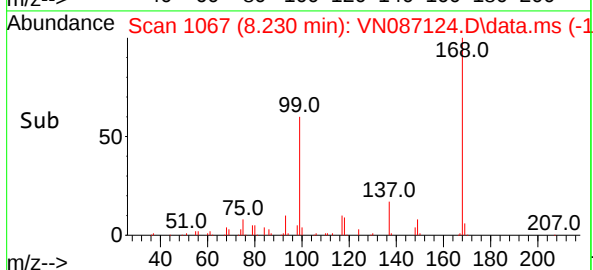
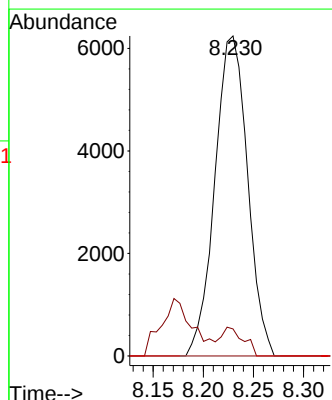
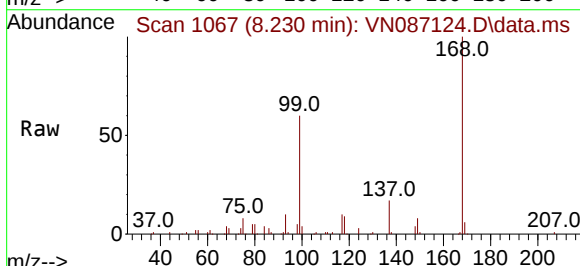
Tgt Ion: 75 Resp: 14155

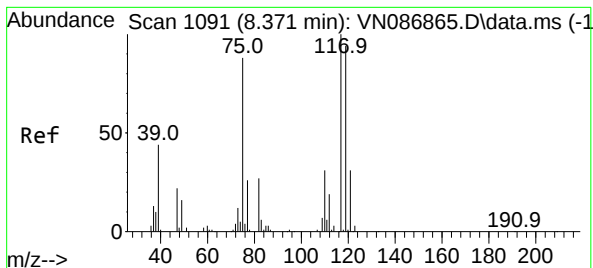
Ion Ratio Lower Upper

75 100

110 6.0 17.6 52.9#

77 0.0 25.3 37.9#





#38

Carbon Tetrachloride

Concen: 5.486 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.141 min

Lab File: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

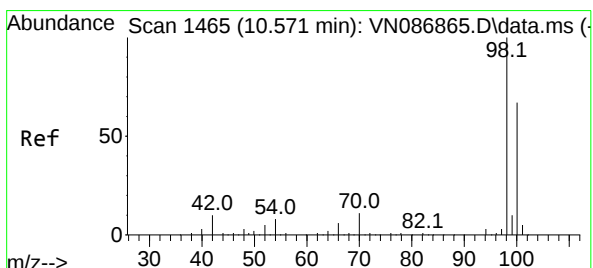
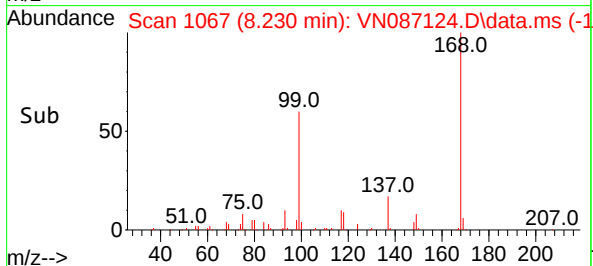
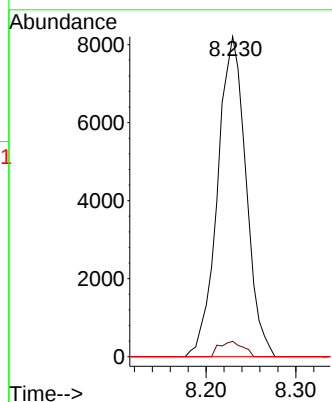
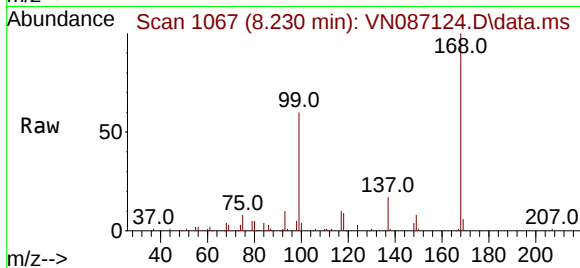
Tgt Ion:117 Resp: 18057

Ion Ratio Lower Upper

117 100

119 4.8 75.0 112.6#

121 0.0 24.9 37.3#



#50

Toluene-d8

Concen: 52.655 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.006 min

Lab File: VN087124.D

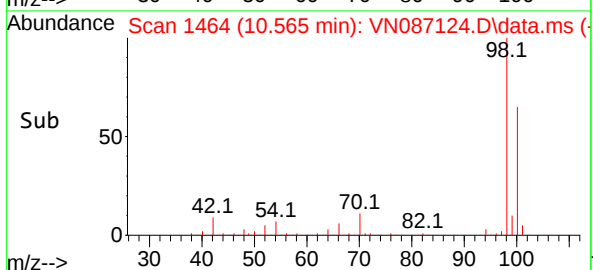
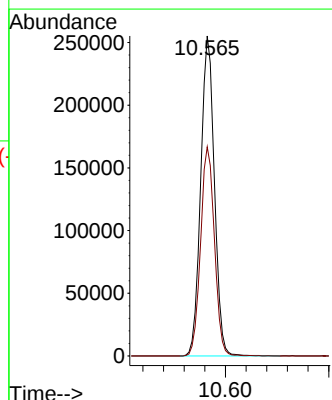
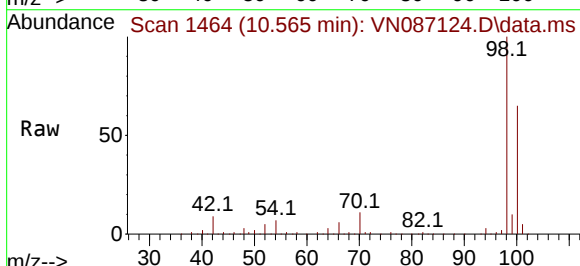
Acq: 20 Jun 2025 09:46

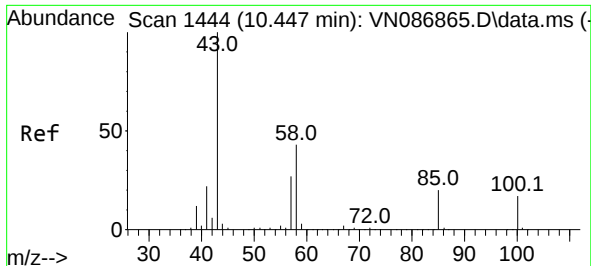
Tgt Ion: 98 Resp: 468951

Ion Ratio Lower Upper

98 100

100 66.0 53.4 80.0

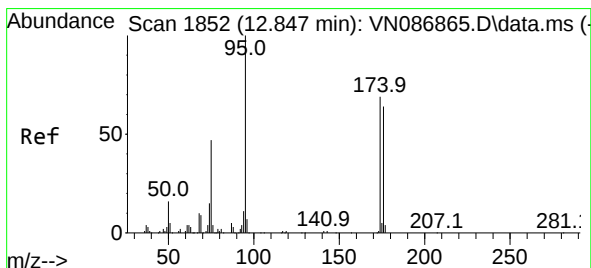
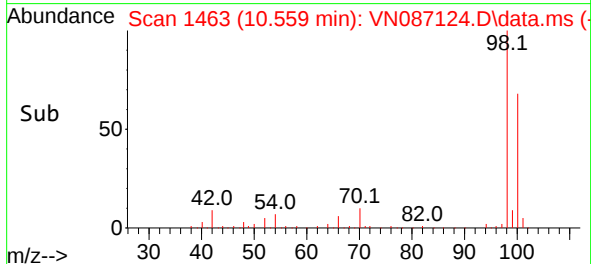
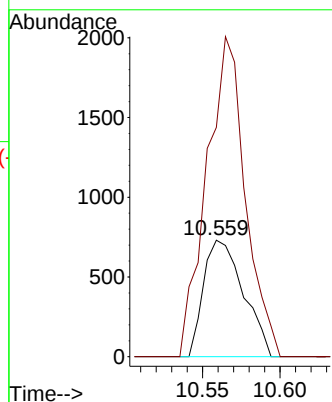
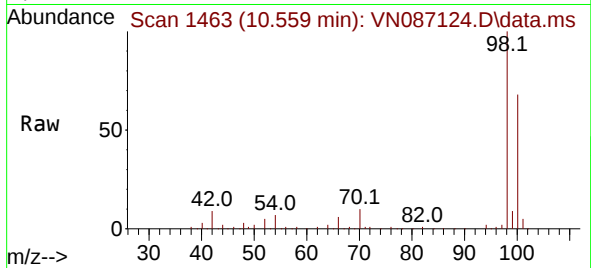




#51
4-Methyl-2-Pentanone
Concen: 0.316 ug/l
RT: 10.559 min Scan# 1444
Delta R.T. 0.112 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

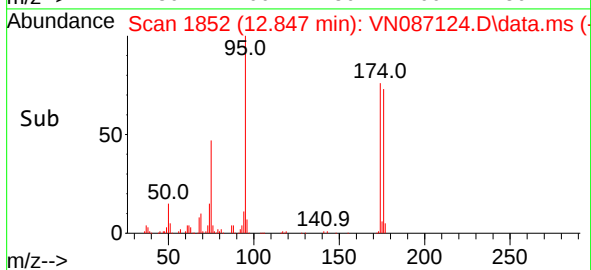
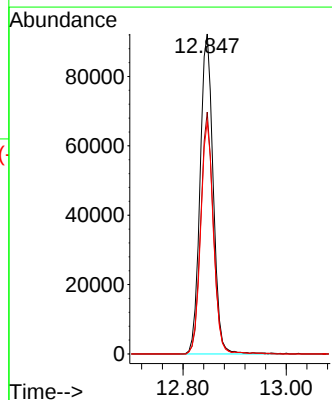
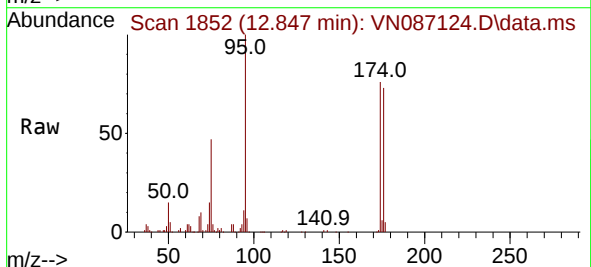
Instrument :
MSVOA_N
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VN0620WBL01

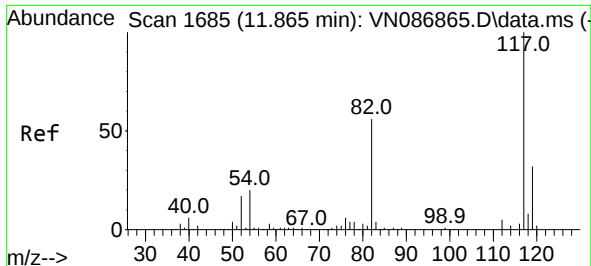
Tgt Ion: 43 Resp: 1304
Ion Ratio Lower Upper
43 100
58 267.0 34.2 51.4#



#62
4-Bromofluorobenzene
Concen: 48.938 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

Tgt Ion: 95 Resp: 161930
Ion Ratio Lower Upper
95 100
174 72.8 0.0 141.8
176 70.7 0.0 132.6

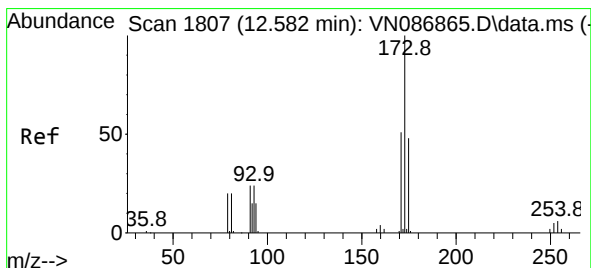
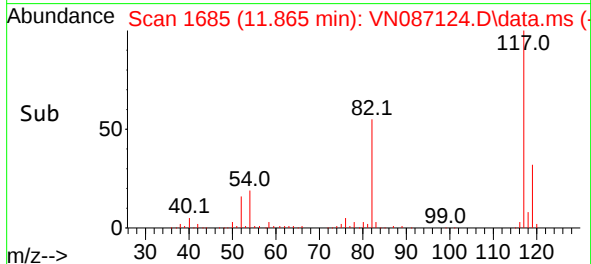
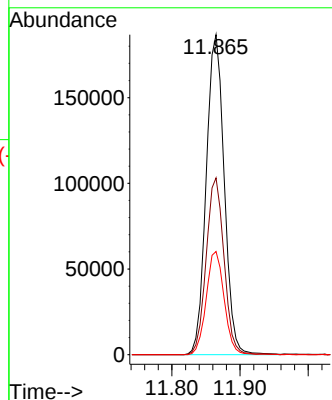
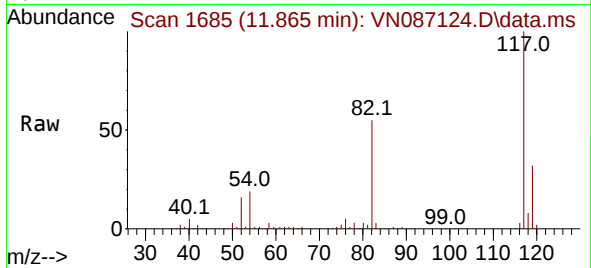




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

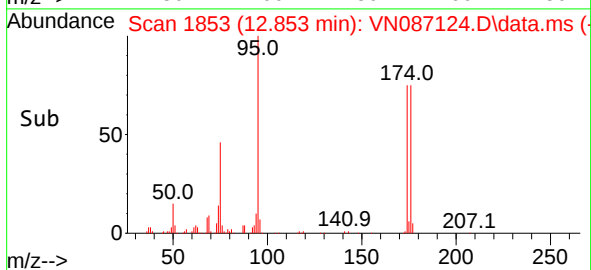
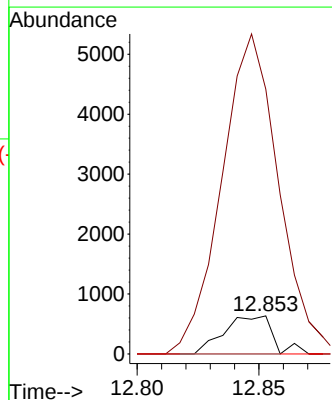
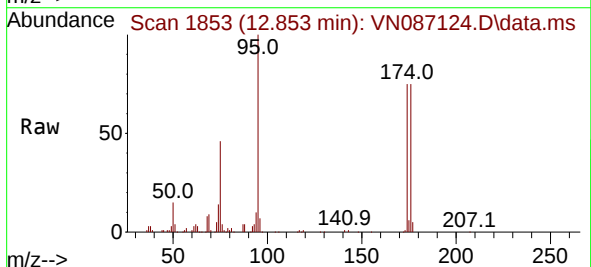
Instrument :
MSVOA_N
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VN0620WBL01

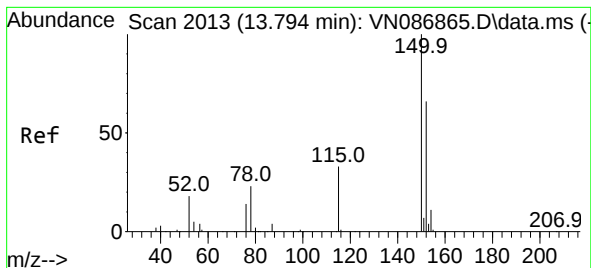
Tgt Ion:117 Resp: 343369
Ion Ratio Lower Upper
117 100
82 55.2 44.6 67.0
119 32.3 25.5 38.3



#71
Bromoform
Concen: 0.462 ug/l
RT: 12.853 min Scan# 1853
Delta R.T. 0.270 min
Lab File: VN087124.D
Acq: 20 Jun 2025 09:46

Tgt Ion:173 Resp: 833
Ion Ratio Lower Upper
173 100
175 950.4 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: VN087124.D

Acq: 20 Jun 2025 09:46

Instrument :

MSVOA_N

ClientSampleId :

VN0620WBL01

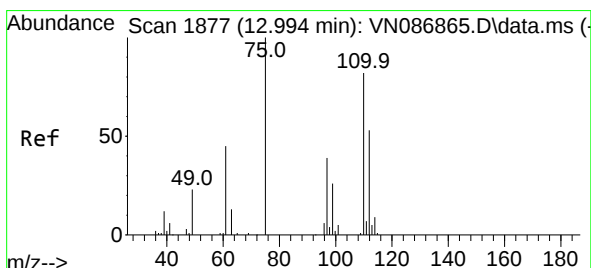
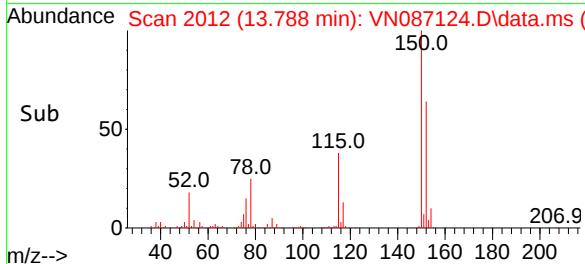
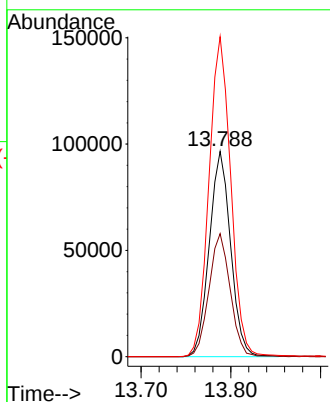
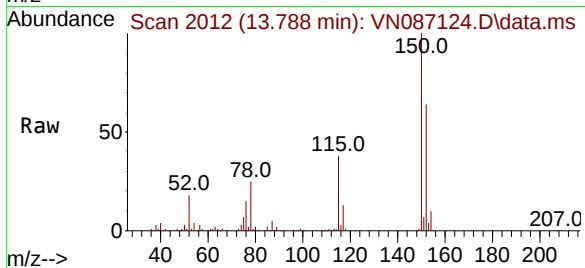
Tgt Ion:152 Resp: 159510

Ion Ratio Lower Upper

152 100

115 59.9 30.1 90.5

150 159.4 0.0 345.0



#76

1,2,3-Trichloropropane

Concen: 20.107 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN087124.D

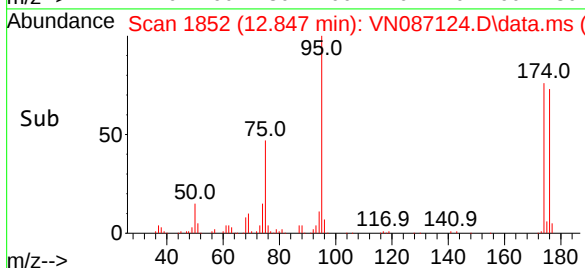
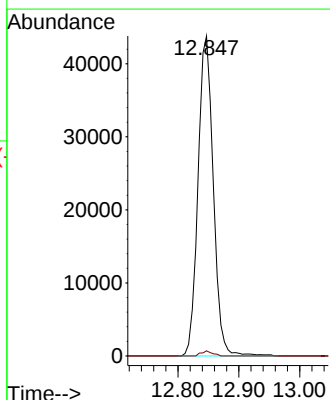
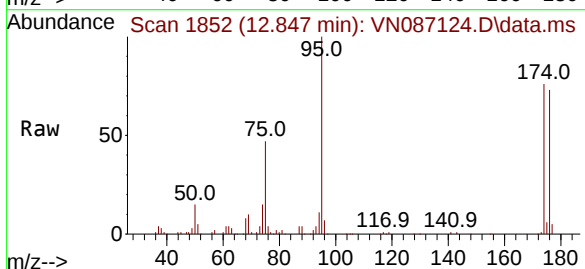
Acq: 20 Jun 2025 09:46

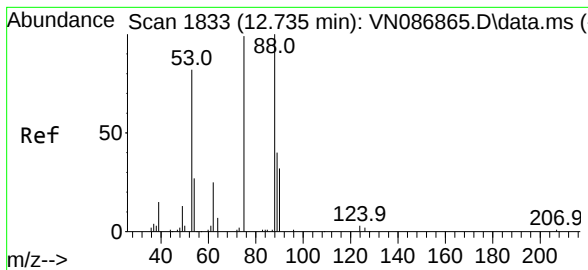
Tgt Ion: 75 Resp: 76239

Ion Ratio Lower Upper

75 100

77 1.2 79.3 237.9#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 46.286 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN087124.D
 Acq: 20 Jun 2025 09:46

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0620WBL01

Tgt Ion: 75 Resp: 76239
 Ion Ratio Lower Upper
 75 100
 53 0.0 66.6 99.8#
 89 0.1 36.7 55.1#

