

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062625\
 Data File : VN087183.D
 Acq On : 26 Jun 2025 10:46
 Operator : JC\MD
 Sample : VN0626MBL01
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0626MBL01

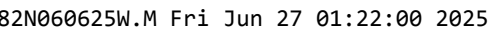
Quant Time: Jun 27 01:21:52 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N060625W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 07 02:12:50 2025
 Response via : Initial Calibration

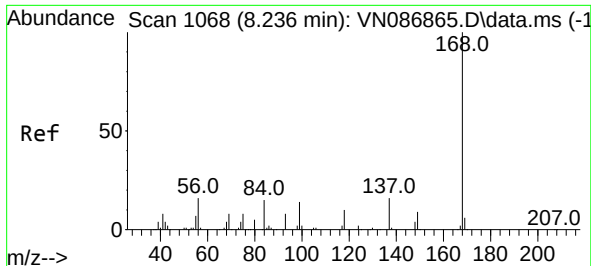
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.229	168	214003	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	378993	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	395014	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	180094	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.582	65	164481	57.405	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 114.820%			
35) Dibromofluoromethane	8.177	113	137632	61.279	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 122.560%			
50) Toluene-d8	10.565	98	545348	61.335	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 122.660%#			
62) 4-Bromofluorobenzene	12.847	95	185422	56.131	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 112.260%			
Target Compounds						
					Qvalue	
17) Carbon Disulfide	4.741	76	1409	0.214	ug/l #	75
31) Cyclohexane	8.229	56	4570	0.983	ug/l #	1
36) 1,1-Dichloropropene	8.229	75	17801	5.319	ug/l #	49
38) Carbon Tetrachloride	8.229	117	21668	6.595	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	2253	0.547	ug/l #	1
71) Bromoform	12.853	173	1245	0.600	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	92032	21.498	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	92032	49.488	ug/l #	16

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

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Response via : Initial Calibration

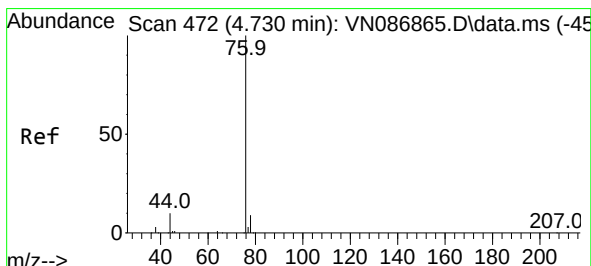
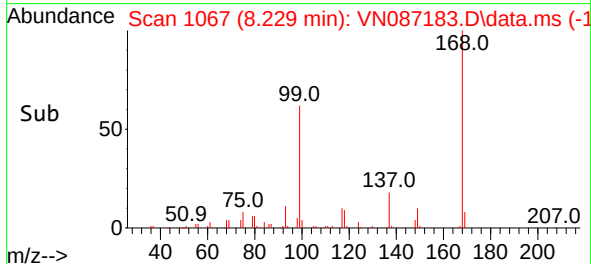
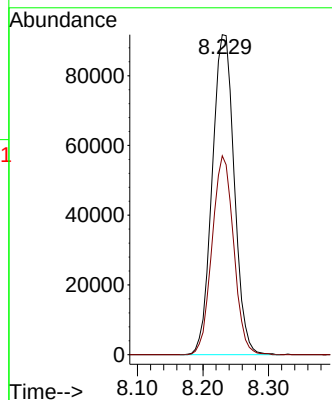
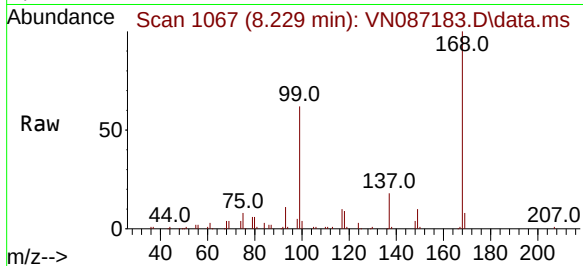




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.229 min Scan# 1
Delta R.T. -0.007 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

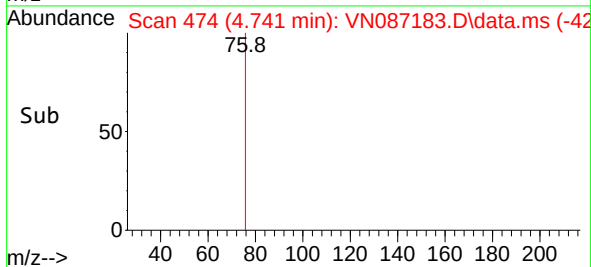
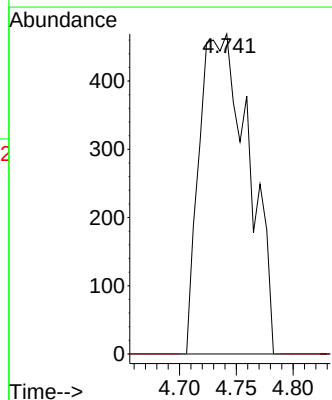
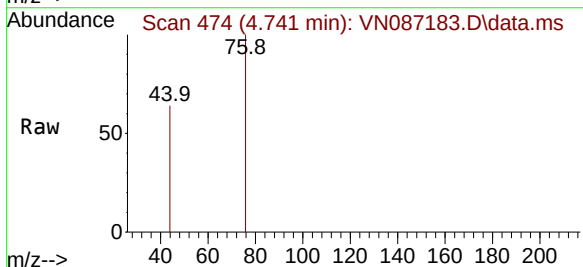
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MSVOA_N
ClientSampleId :
VN0626MBL01

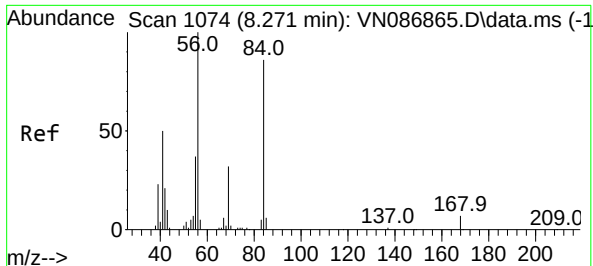
Tgt Ion:168 Resp: 214003
Ion Ratio Lower Upper
168 100
99 62.1 49.1 73.7



#17
Carbon Disulfide
Concen: 0.214 ug/l
RT: 4.741 min Scan# 474
Delta R.T. 0.012 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Tgt Ion: 76 Resp: 1409
Ion Ratio Lower Upper
76 100
78 0.0 7.3 10.9#

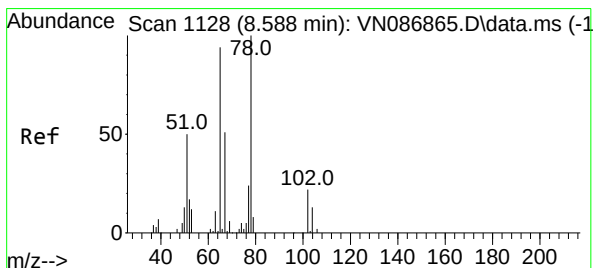
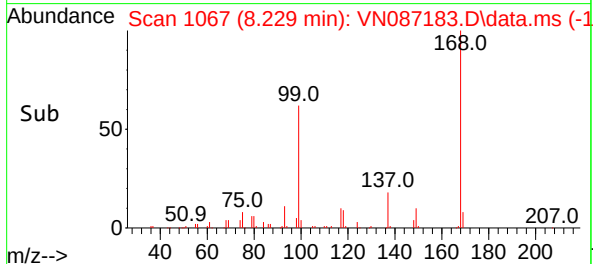
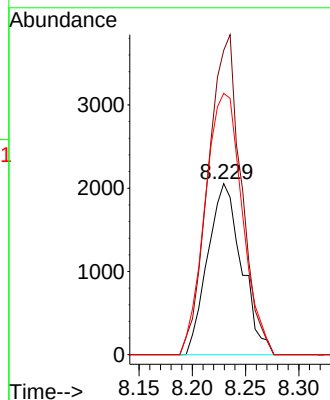
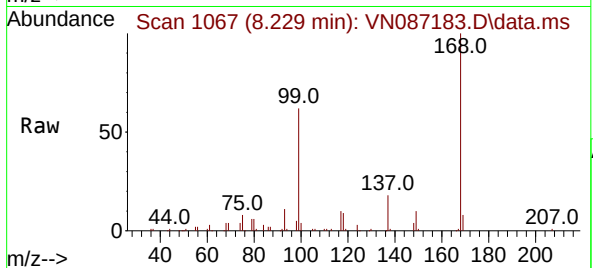




#31
Cyclohexane
Concen: 0.983 ug/l
RT: 8.229 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

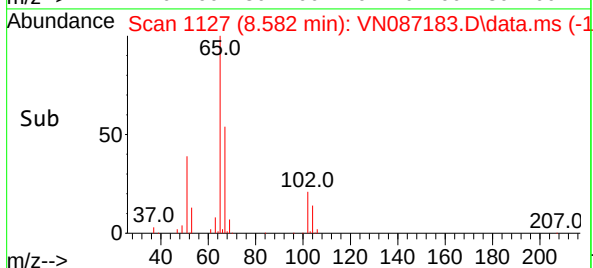
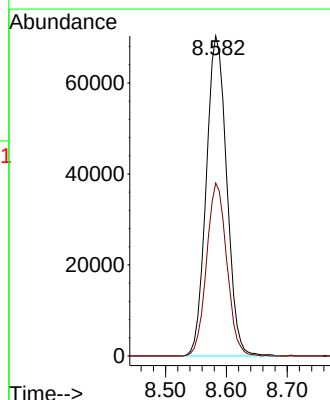
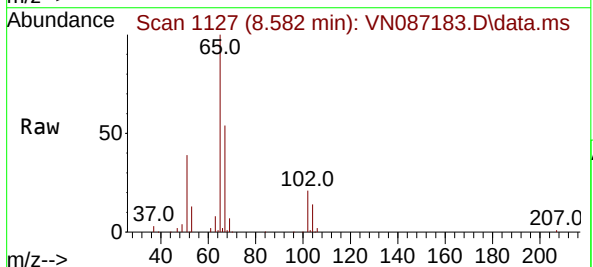
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

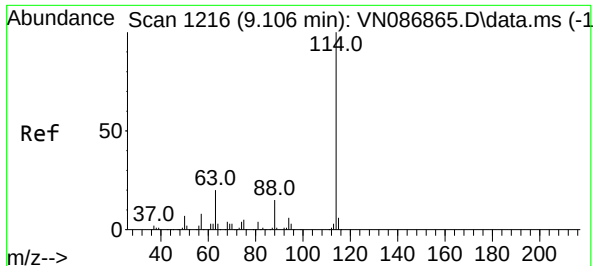
Tgt Ion: 56 Resp: 4570
Ion Ratio Lower Upper
56 100
69 177.9 25.4 38.0#
84 152.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 57.405 ug/l
RT: 8.582 min Scan# 1127
Delta R.T. -0.006 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Tgt Ion: 65 Resp: 164481
Ion Ratio Lower Upper
65 100
67 53.3 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: VN087183.D

Acq: 26 Jun 2025 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBL01

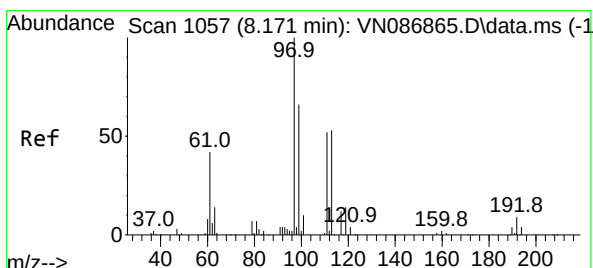
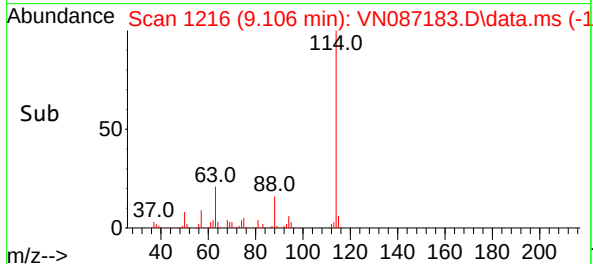
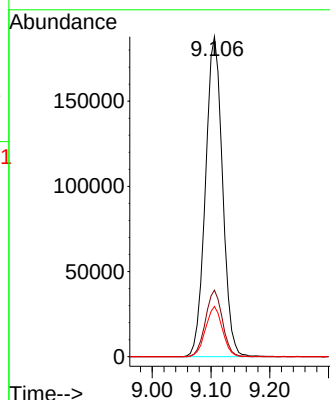
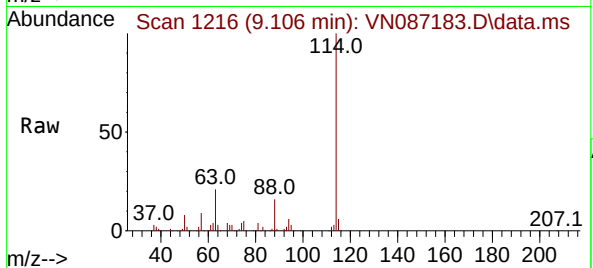
Tgt Ion:114 Resp: 378993

Ion Ratio Lower Upper

114 100

63 20.8 0.0 39.6

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 61.279 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN087183.D

Acq: 26 Jun 2025 10:46

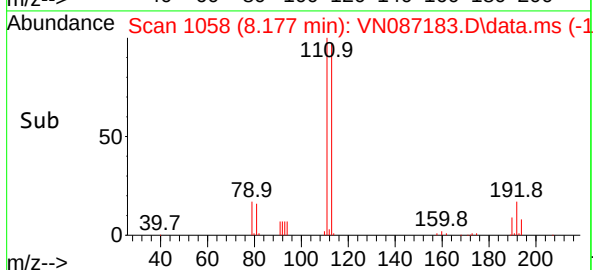
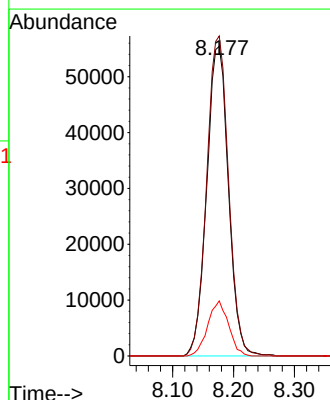
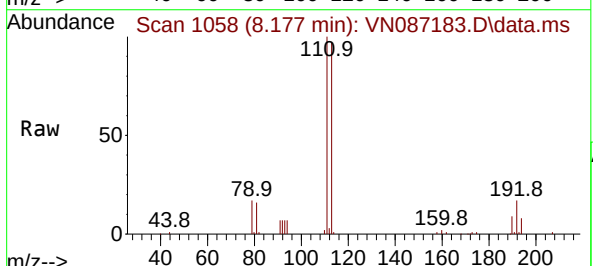
Tgt Ion:113 Resp: 137632

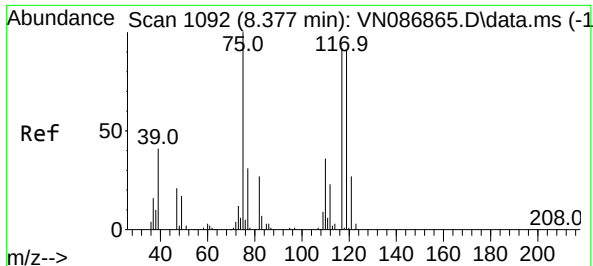
Ion Ratio Lower Upper

113 100

111 103.8 84.2 126.2

192 17.0 14.2 21.4

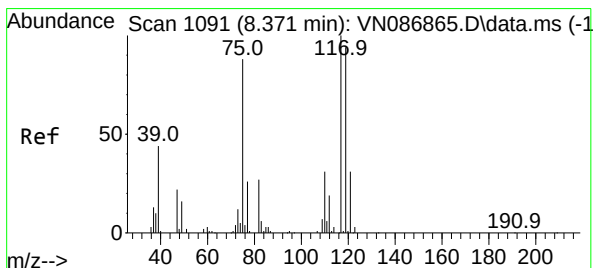
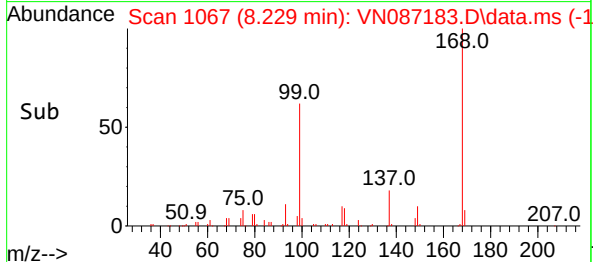
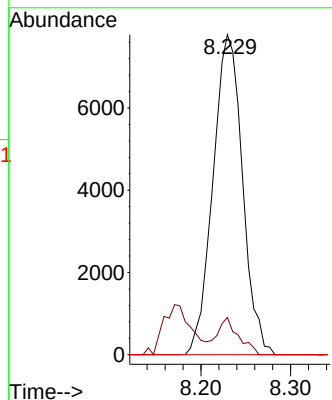
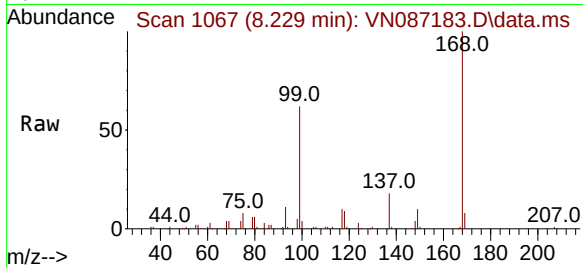




#36
 1,1-Dichloropropene
 Concen: 5.319 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.147 min
 Lab File: VN087183.D
 Acq: 26 Jun 2025 10:46

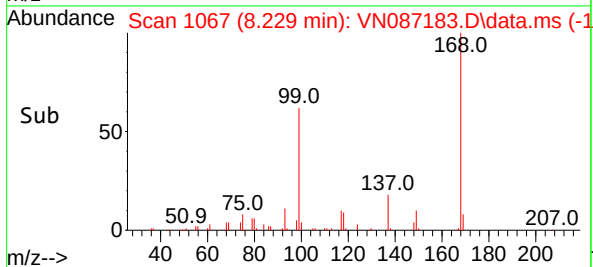
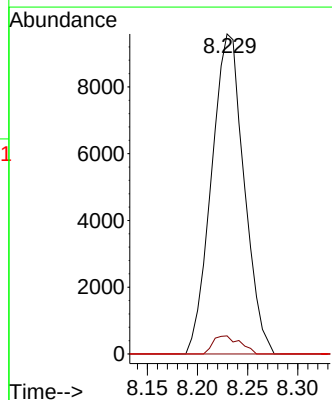
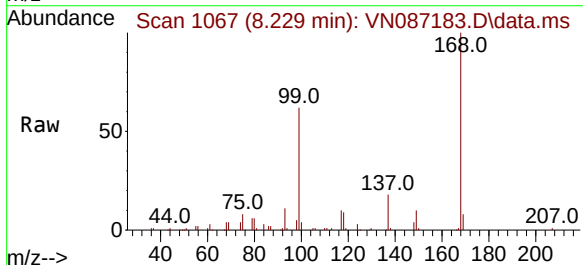
Instrument :
 MSVOA_N
 ClientSampleId :
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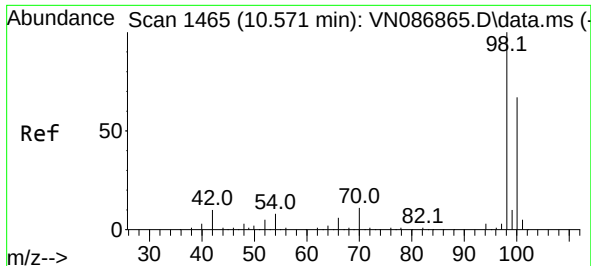
Tgt Ion: 75 Resp: 17801
 Ion Ratio Lower Upper
 75 100
 110 8.5 17.6 52.9#
 77 0.0 25.3 37.9#



#38
 Carbon Tetrachloride
 Concen: 6.595 ug/l
 RT: 8.229 min Scan# 1067
 Delta R.T. -0.141 min
 Lab File: VN087183.D
 Acq: 26 Jun 2025 10:46

Tgt Ion: 117 Resp: 21668
 Ion Ratio Lower Upper
 117 100
 119 5.6 75.0 112.6#
 121 0.0 24.9 37.3#

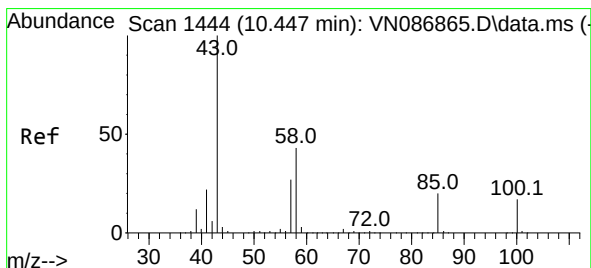
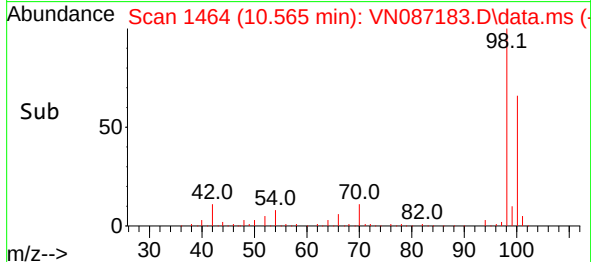
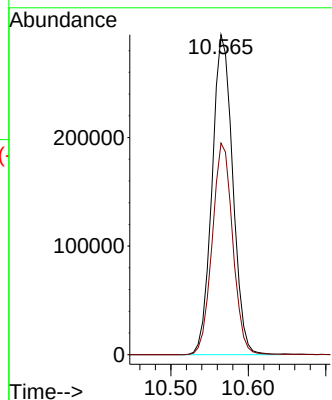
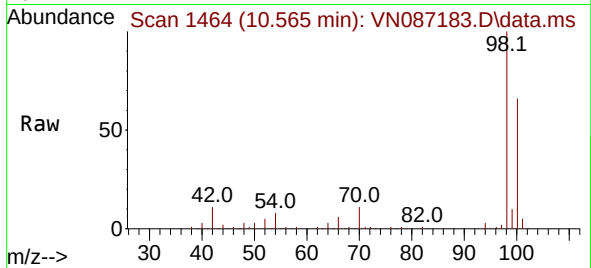




#50
Toluene-d8
Concen: 61.335 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.006 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

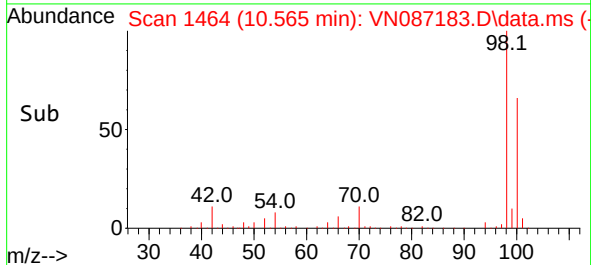
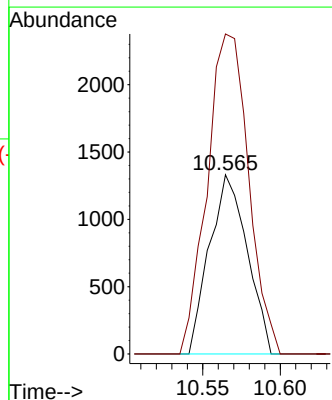
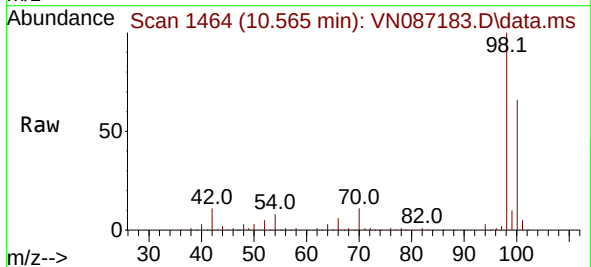
Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

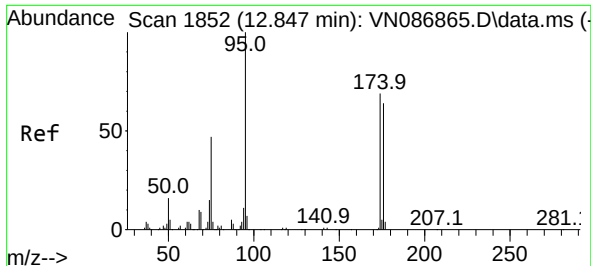
Tgt Ion: 98 Resp: 545348
Ion Ratio Lower Upper
98 100
100 65.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.547 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.117 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Tgt Ion: 43 Resp: 2253
Ion Ratio Lower Upper
43 100
58 195.9 34.2 51.4#

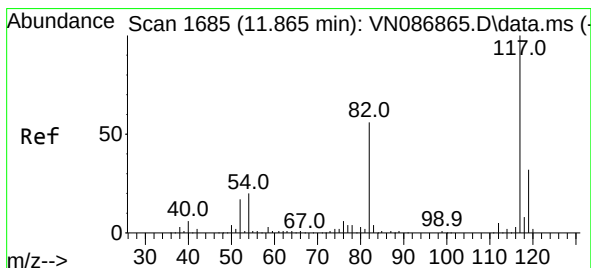
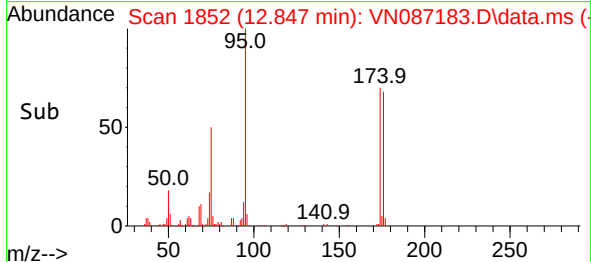
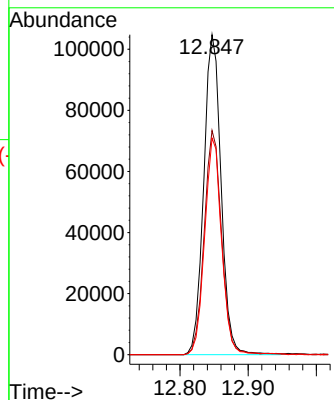
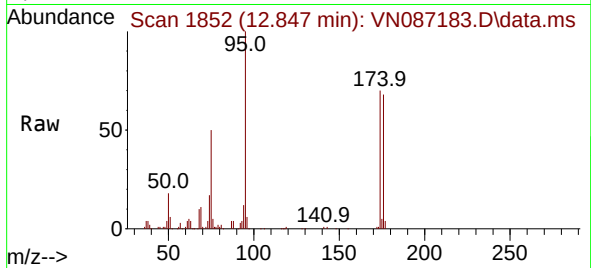




#62
4-Bromofluorobenzene
Concen: 56.131 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

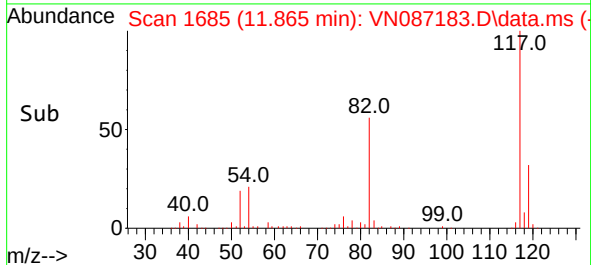
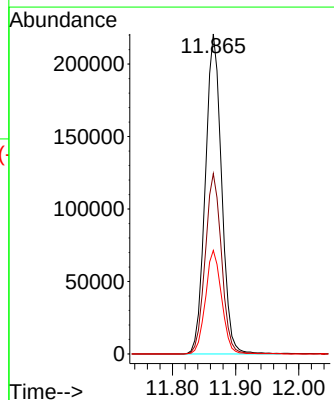
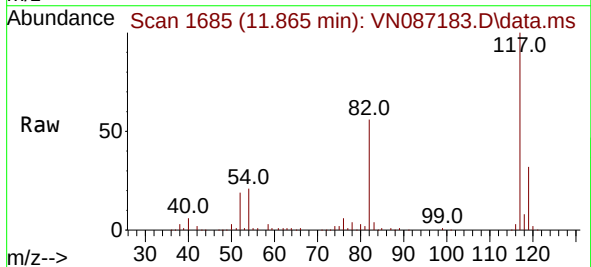
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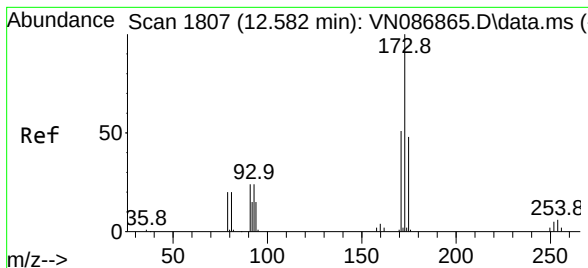
Tgt Ion: 95 Resp: 185422
Ion Ratio Lower Upper
95 100
174 70.5 0.0 141.8
176 66.3 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Tgt Ion: 117 Resp: 395014
Ion Ratio Lower Upper
117 100
82 56.3 44.6 67.0
119 32.4 25.5 38.3





#71

Bromoform

Concen: 0.600 ug/l

RT: 12.853 min Scan# 11

Delta R.T. 0.270 min

Lab File: VN087183.D

Acq: 26 Jun 2025 10:46

Instrument :

MSVOA_N

ClientSampleId :

VN0626MBL01

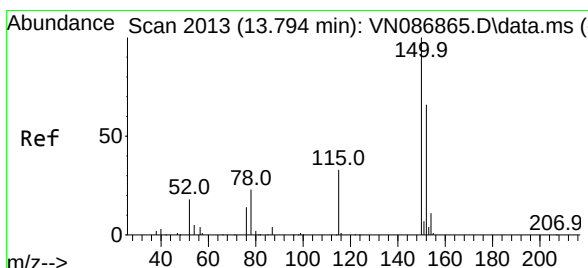
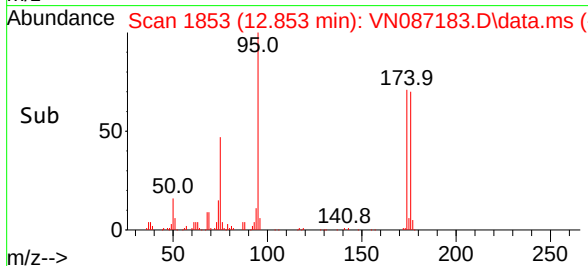
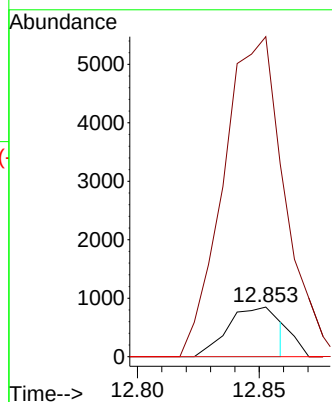
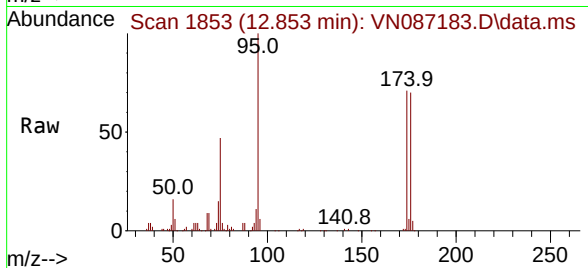
Tgt Ion:173 Resp: 1245

Ion Ratio Lower Upper

173 100

175 681.2 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# 2012

Delta R.T. -0.006 min

Lab File: VN087183.D

Acq: 26 Jun 2025 10:46

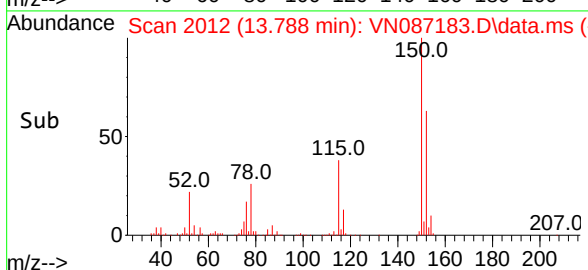
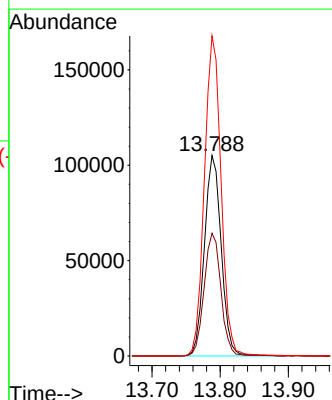
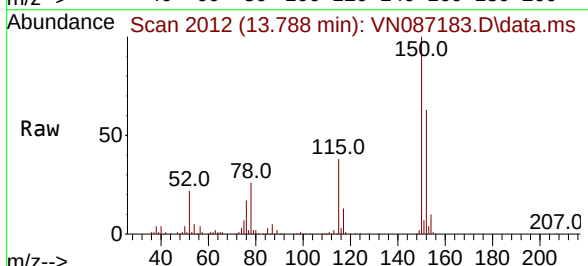
Tgt Ion:152 Resp: 180094

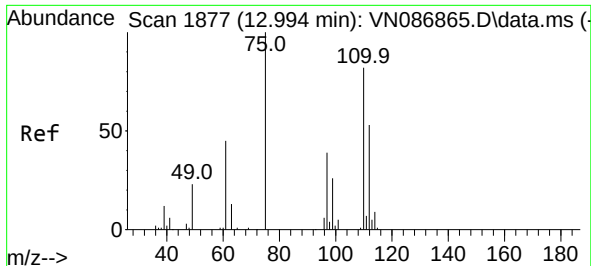
Ion Ratio Lower Upper

152 100

115 61.4 30.1 90.5

150 158.9 0.0 345.0

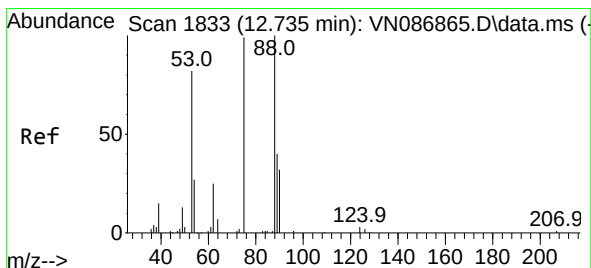
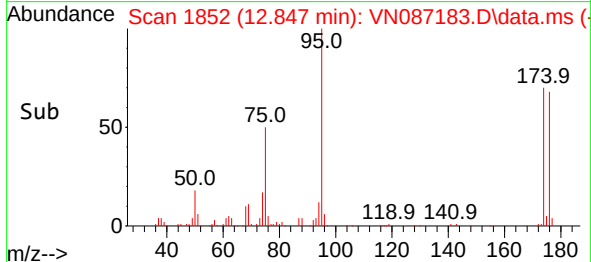
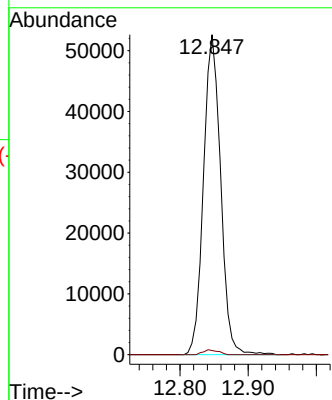
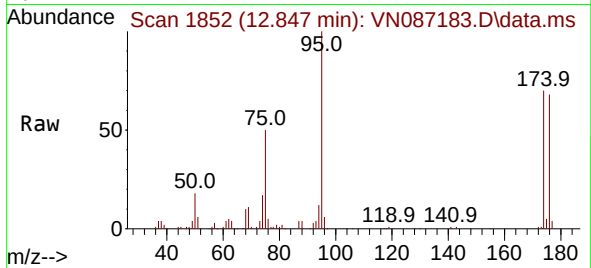




#76
1,2,3-Trichloropropane
Concen: 21.498 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.147 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Instrument :
MSVOA_N
ClientSampleId :
VN0626MBL01

Tgt Ion: 75 Resp: 92032
Ion Ratio Lower Upper
75 100
77 1.4 79.3 237.9#



#81
trans-1,4-Dichloro-2-butene
Concen: 49.488 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087183.D
Acq: 26 Jun 2025 10:46

Tgt Ion: 75 Resp: 92032
Ion Ratio Lower Upper
75 100
53 0.0 66.6 99.8#
89 0.0 36.7 55.1#

