

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN061225\
 Data File : VN086982.D
 Acq On : 12 Jun 2025 17:02
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 IBLK

Quant Time: Jun 13 01:31:02 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)

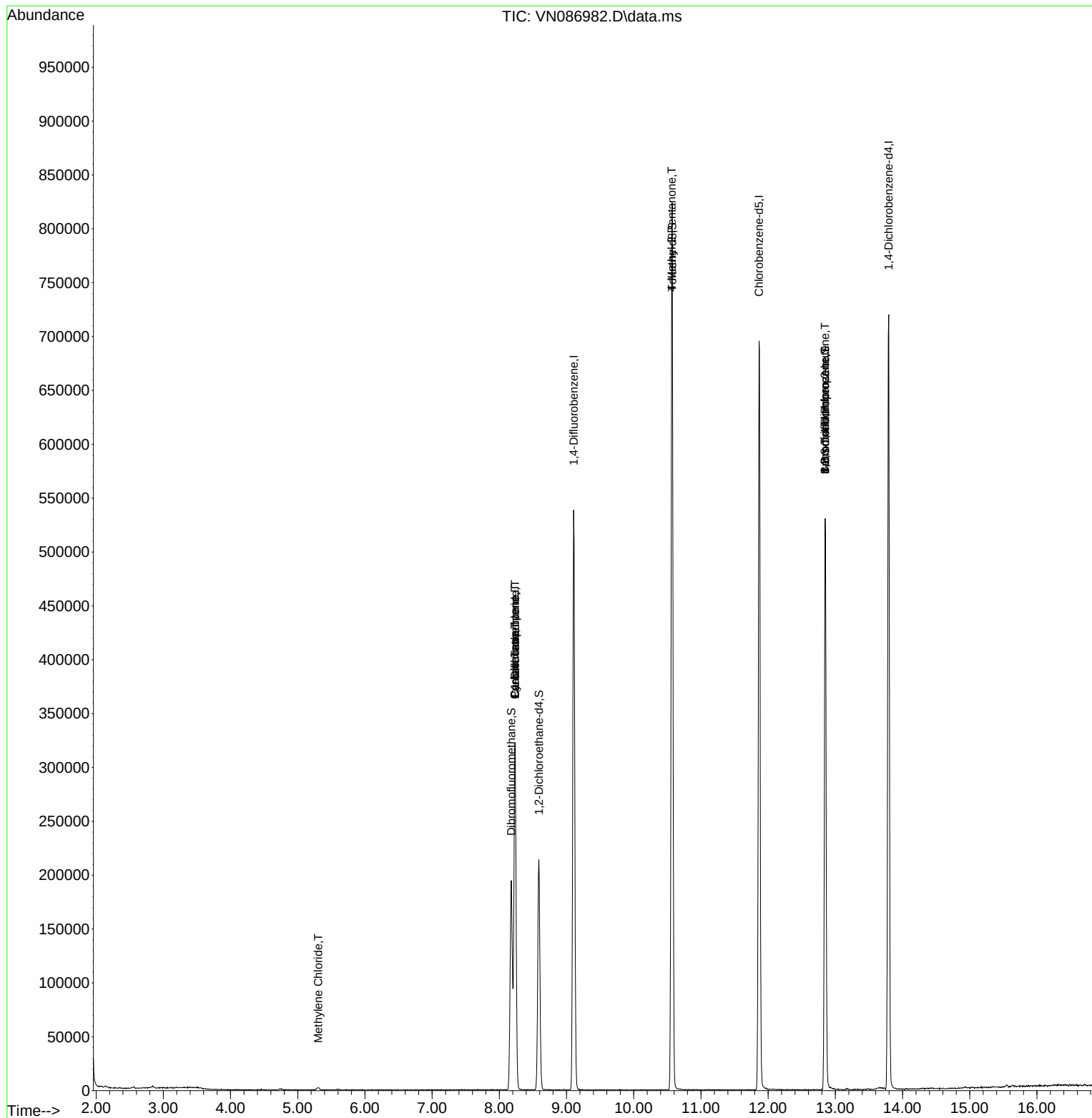
Internal Standards						
1) Pentafluorobenzene	8.236	168	256045	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	494623	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	444190	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.794	152	212692	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.589	65	173687	50.665	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 101.320%		
35) Dibromofluoromethane	8.177	113	148447	50.643	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 101.280%		
50) Toluene-d8	10.571	98	601678	51.851	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 103.700%		
62) 4-Bromofluorobenzene	12.847	95	214423	49.736	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 99.480%		
Target Compounds						
					Qvalue	
20) Methylene Chloride	5.306	84	1936	0.569	ug/l #	84
31) Cyclohexane	8.230	56	4485	0.807	ug/l #	1
36) 1,1-Dichloropropene	8.230	75	19484	4.461	ug/l #	48
38) Carbon Tetrachloride	8.236	117	24141	5.630	ug/l #	17
51) 4-Methyl-2-Pentanone	10.565	43	2055	0.383	ug/l #	1
71) Bromoform	12.847	173	840	0.360	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	100017	19.783	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	100017	45.539	ug/l #	16

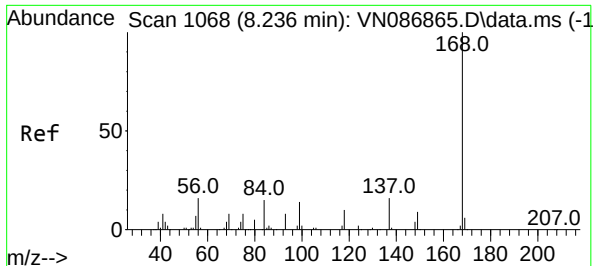
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jun 13 01:31:02 2025
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Quant Title : SW846 8260
QLast Update : Sat Jun 07 02:12:50 2025
Response via : Initial Calibration

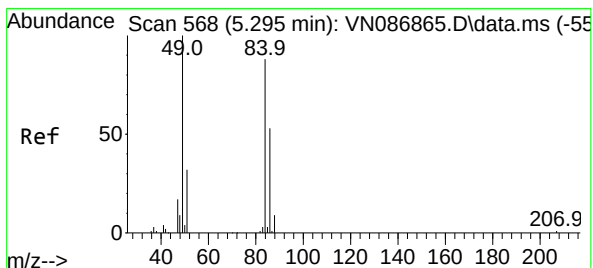
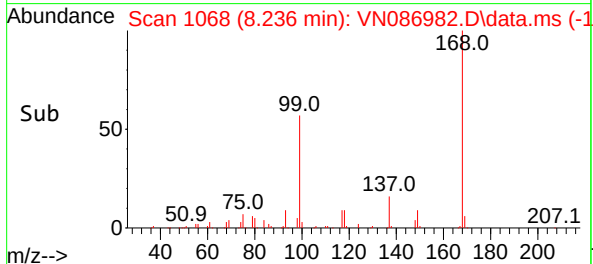
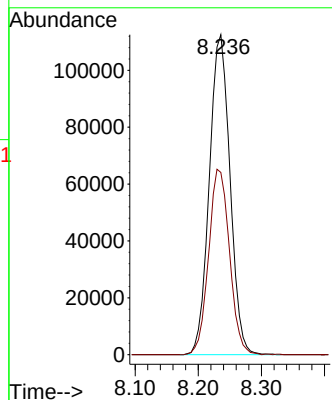
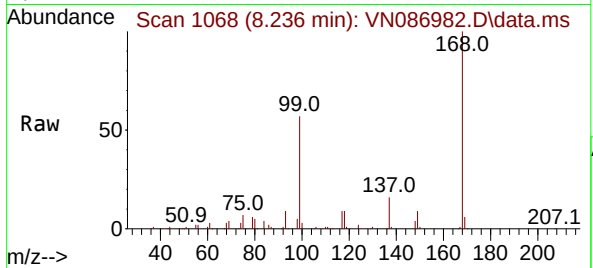




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.236 min Scan# 1
Delta R.T. -0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

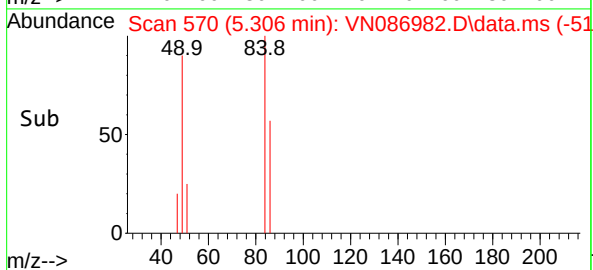
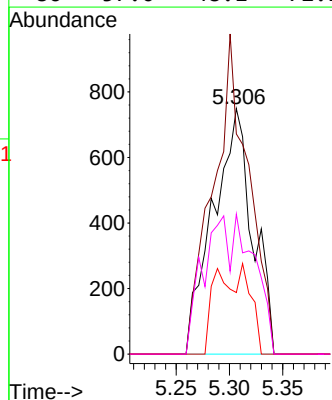
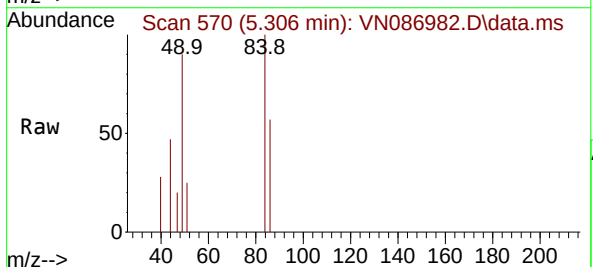
Instrument :
MSVOA_N
ClientSampleId :
IBLK

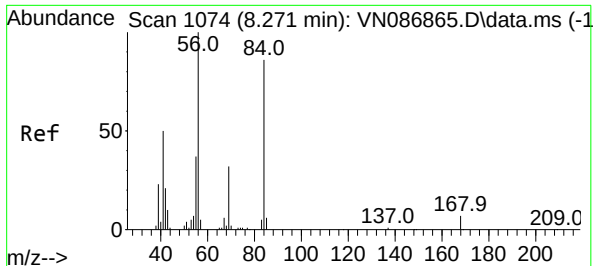
Tgt Ion:168 Resp: 256045
Ion Ratio Lower Upper
168 100
99 56.9 49.1 73.7



#20
Methylene Chloride
Concen: 0.569 ug/l
RT: 5.306 min Scan# 570
Delta R.T. 0.012 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 84 Resp: 1936
Ion Ratio Lower Upper
84 100
49 89.7 90.5 135.7#
51 25.1 28.5 42.7#
86 57.0 48.1 72.1

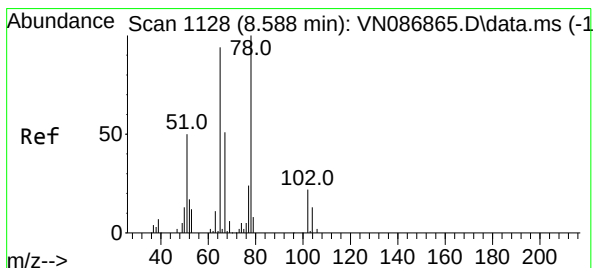
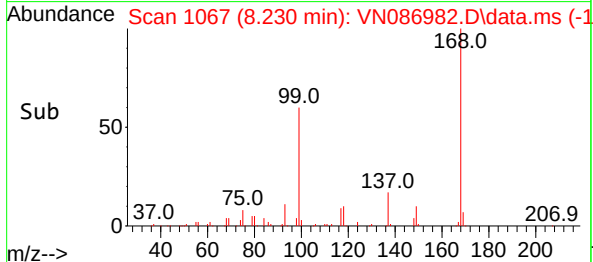
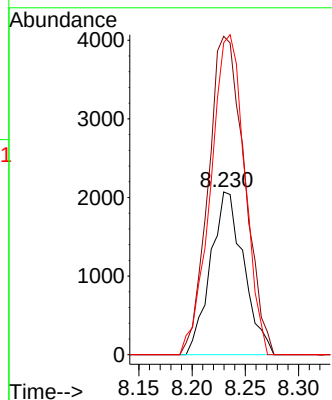
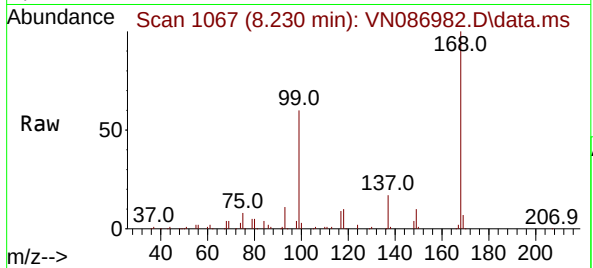




#31
Cyclohexane
Concen: 0.807 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.041 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

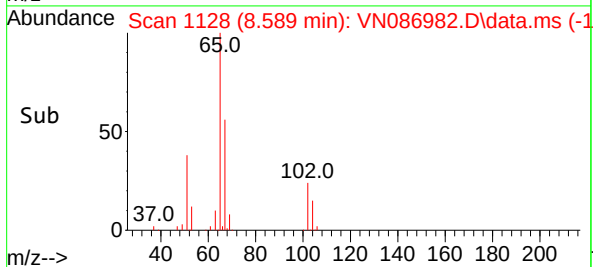
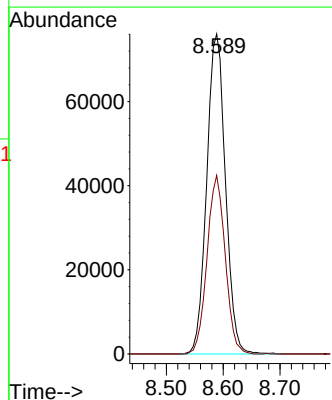
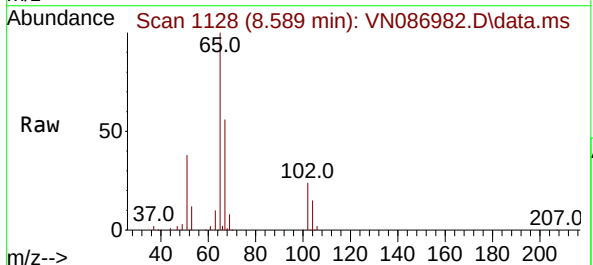
Instrument :
MSVOA_N
ClientSampleId :
IBLK

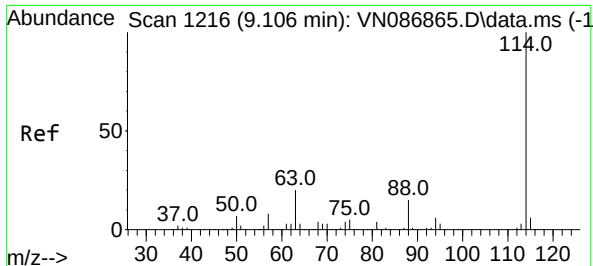
Tgt Ion: 56 Resp: 4485
Ion Ratio Lower Upper
56 100
69 195.7 25.4 38.0#
84 191.7 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.665 ug/l
RT: 8.589 min Scan# 1128
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 65 Resp: 173687
Ion Ratio Lower Upper
65 100
67 54.1 0.0 105.6





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

Instrument :

MSVOA_N

ClientSampleId :

IBLK

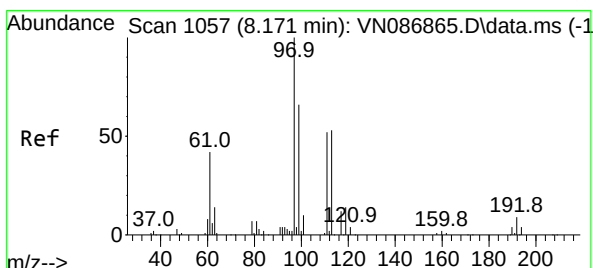
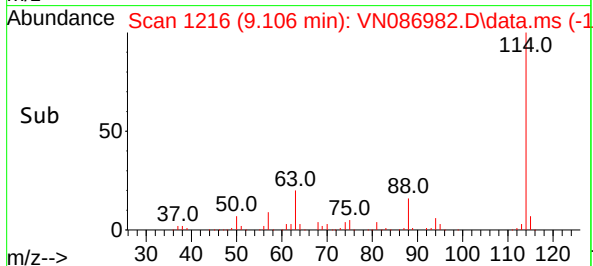
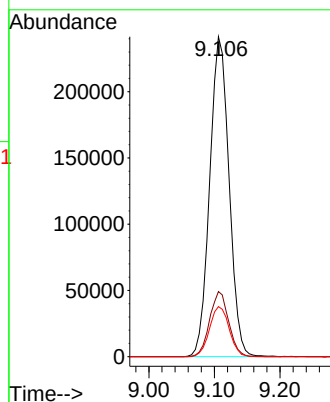
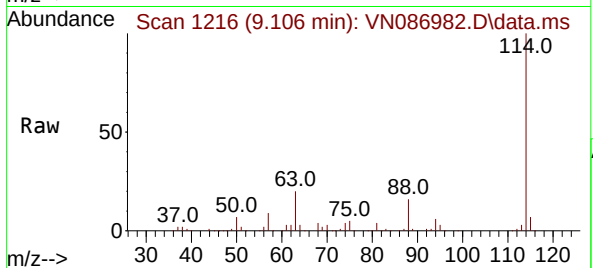
Tgt Ion:114 Resp: 494623

Ion Ratio Lower Upper

114 100

63 20.4 0.0 39.6

88 15.7 0.0 30.2



#35

Dibromofluoromethane

Concen: 50.643 ug/l

RT: 8.177 min Scan# 1058

Delta R.T. 0.006 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

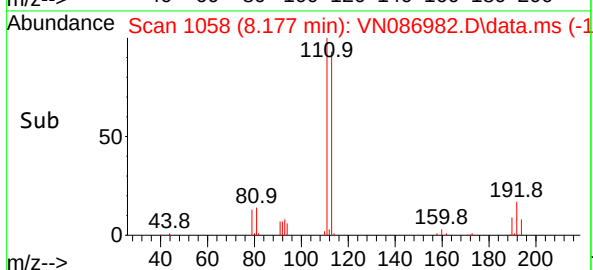
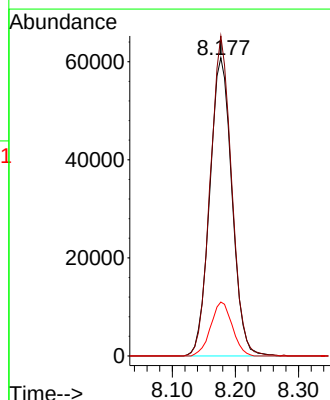
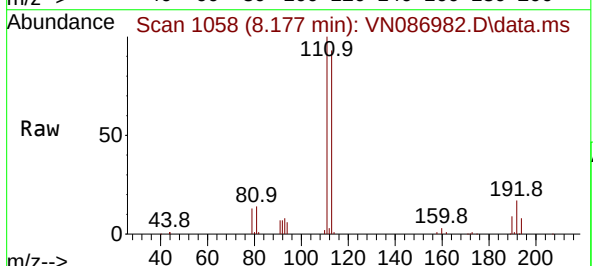
Tgt Ion:113 Resp: 148447

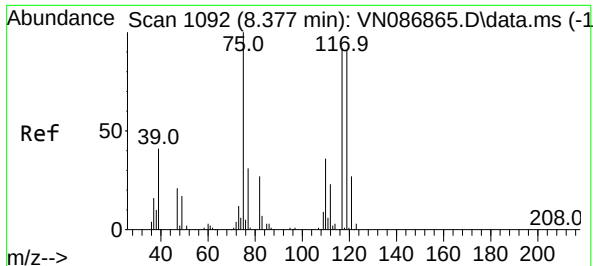
Ion Ratio Lower Upper

113 100

111 103.2 84.2 126.2

192 17.5 14.2 21.4





#36

1,1-Dichloropropene

Concen: 4.461 ug/l

RT: 8.230 min Scan# 1067

Delta R.T. -0.147 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

Instrument :

MSVOA_N

ClientSampleId :

IBLK

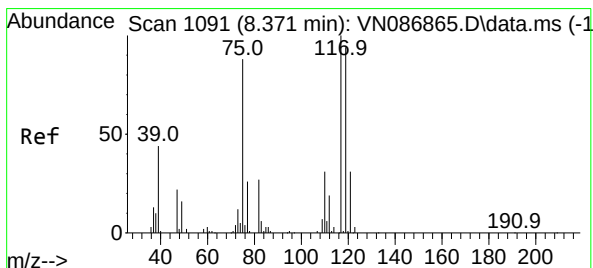
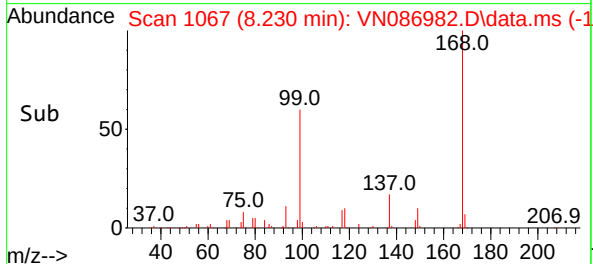
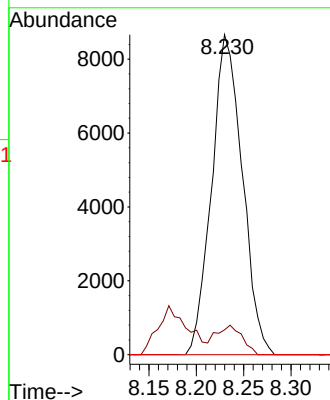
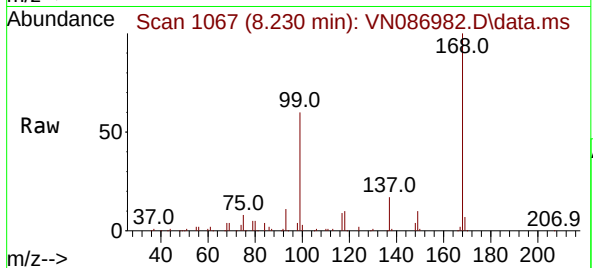
Tgt Ion: 75 Resp: 19484

Ion Ratio Lower Upper

75 100

110 7.8 17.6 52.9#

77 0.0 25.3 37.9#



#38

Carbon Tetrachloride

Concen: 5.630 ug/l

RT: 8.236 min Scan# 1068

Delta R.T. -0.135 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

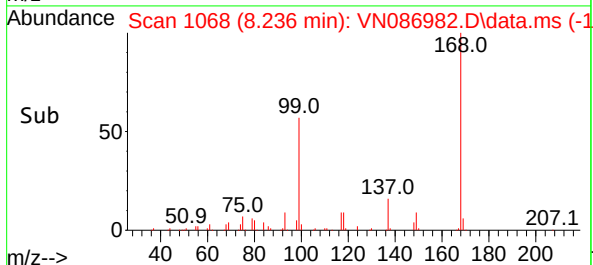
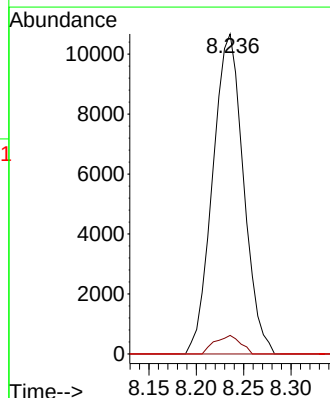
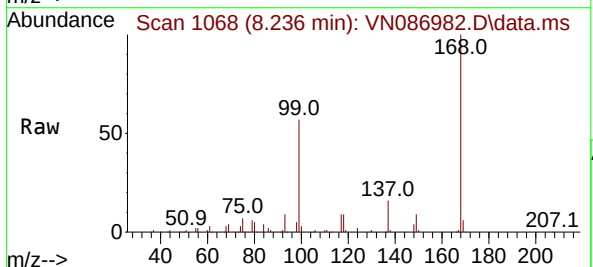
Tgt Ion: 117 Resp: 24141

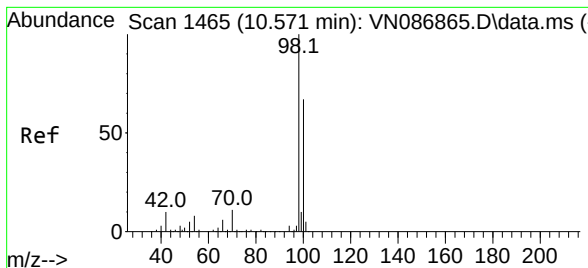
Ion Ratio Lower Upper

117 100

119 5.8 75.0 112.6#

121 0.0 24.9 37.3#

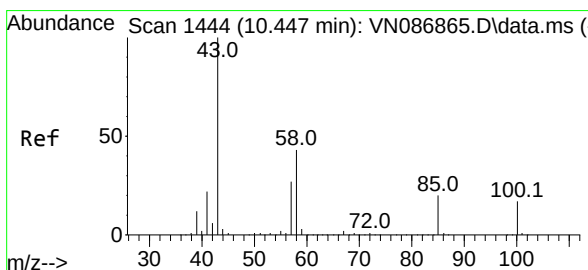
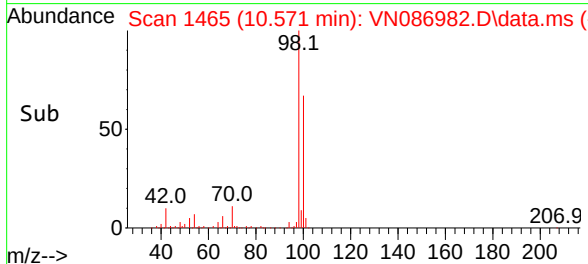
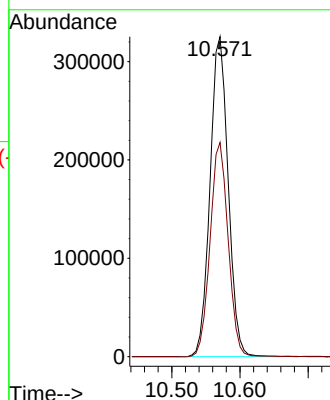
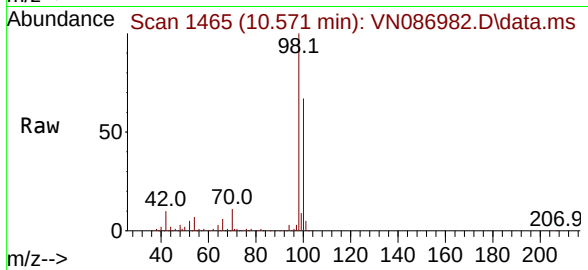




#50
Toluene-d8
Concen: 51.851 ug/l
RT: 10.571 min Scan# 1465
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

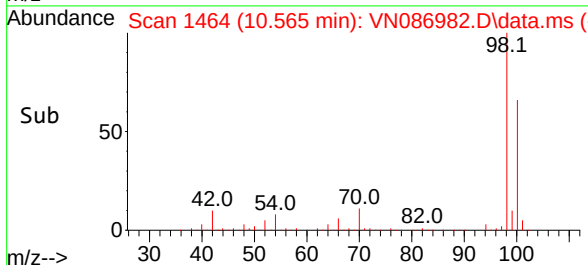
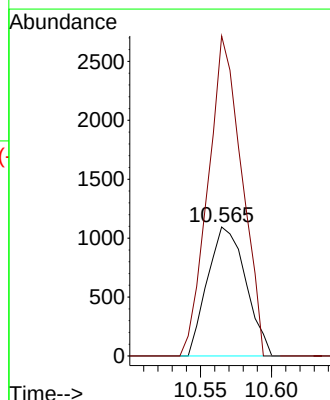
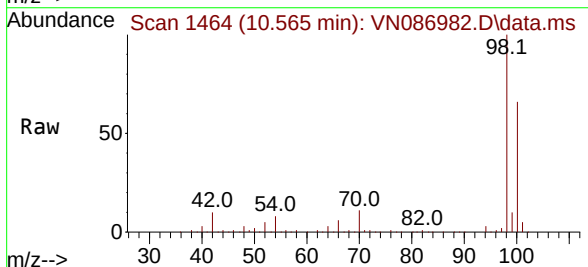
Instrument :
MSVOA_N
ClientSampleId :
IBLK

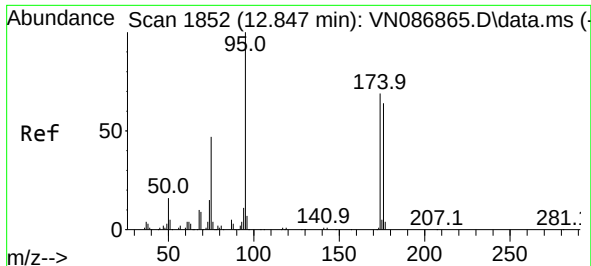
Tgt Ion: 98 Resp: 601678
Ion Ratio Lower Upper
98 100
100 66.7 53.4 80.0



#51
4-Methyl-2-Pentanone
Concen: 0.383 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.118 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 43 Resp: 2055
Ion Ratio Lower Upper
43 100
58 218.3 34.2 51.4#

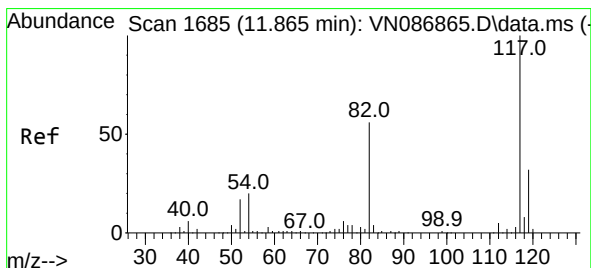
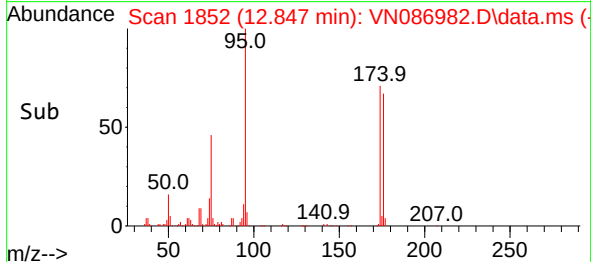
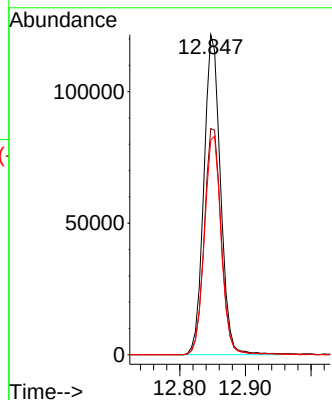
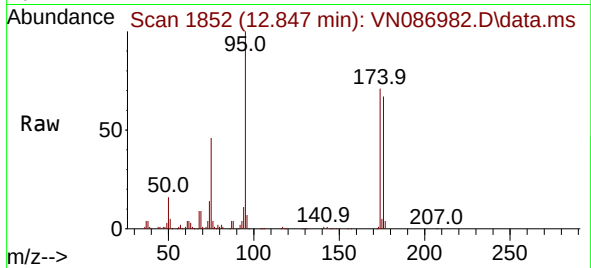




#62
4-Bromofluorobenzene
Concen: 49.736 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

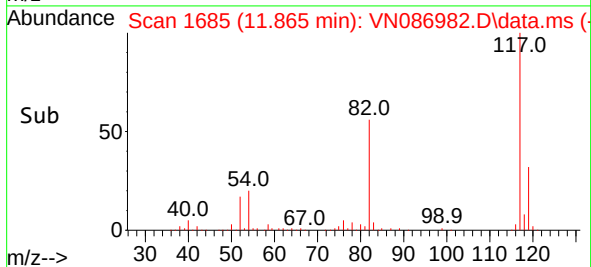
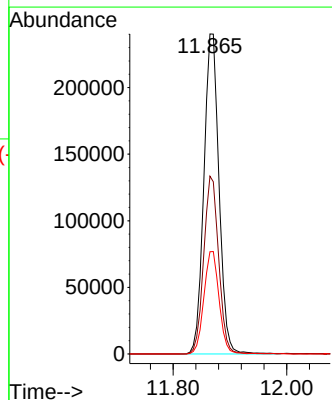
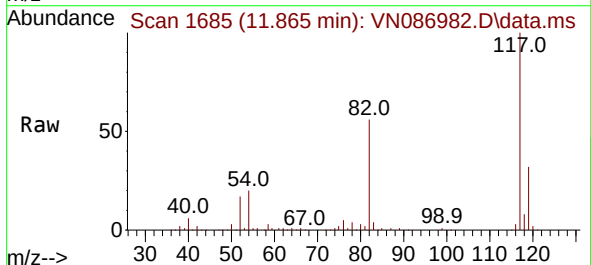
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MSVOA_N
ClientSampleId :
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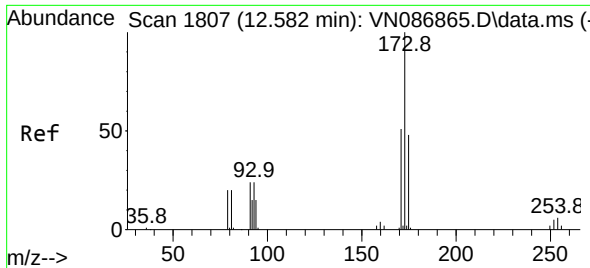
Tgt Ion: 95 Resp: 214423
Ion Ratio Lower Upper
95 100
174 72.4 0.0 141.8
176 69.4 0.0 132.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion: 117 Resp: 444190
Ion Ratio Lower Upper
117 100
82 55.5 44.6 67.0
119 31.9 25.5 38.3

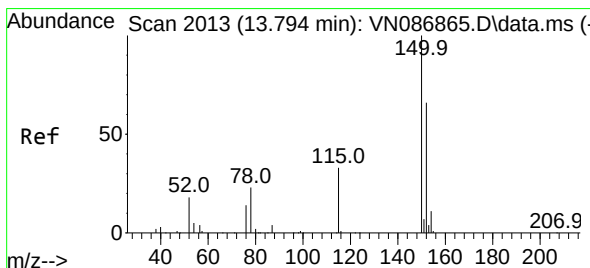
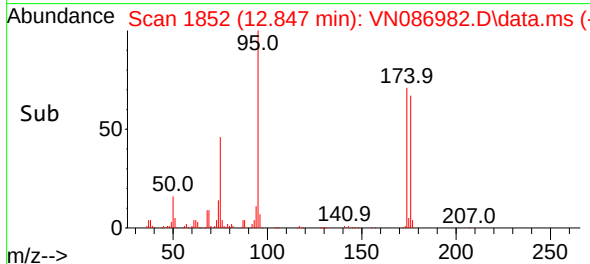
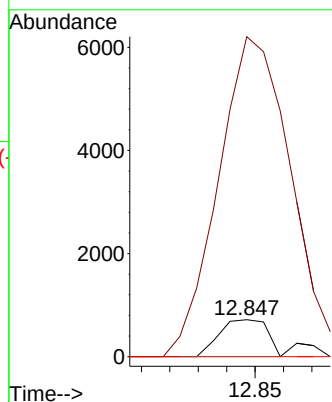
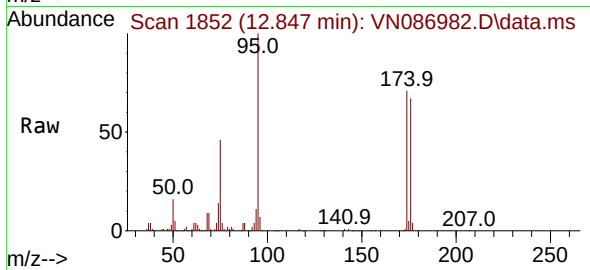




#71
Bromoform
Concen: 0.360 ug/l
RT: 12.847 min Scan# 1807
Delta R.T. 0.265 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

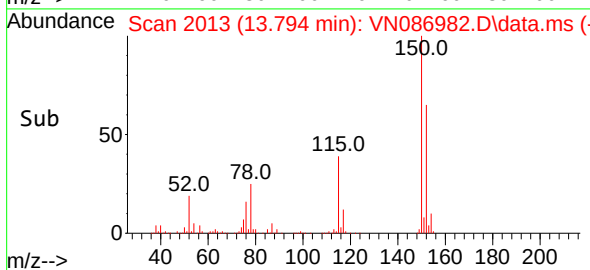
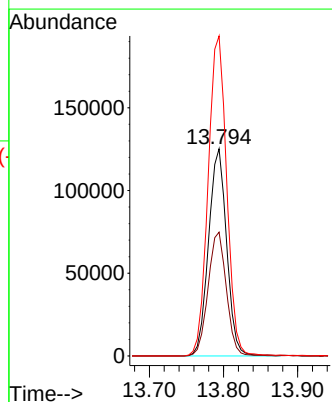
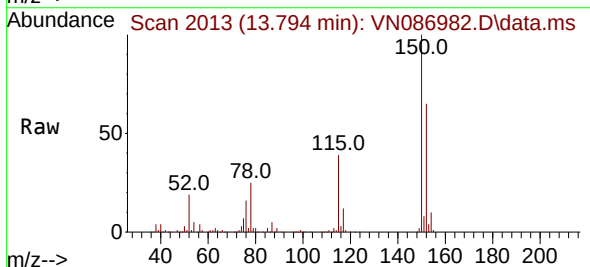
Instrument :
MSVOA_N
ClientSampleId :
IBLK

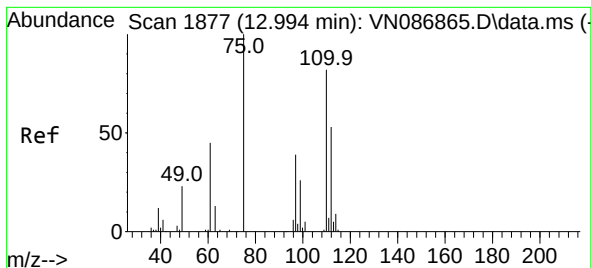
Tgt Ion:173 Resp: 840
Ion Ratio Lower Upper
173 100
175 1103.3 24.1 72.4#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.794 min Scan# 2013
Delta R.T. 0.000 min
Lab File: VN086982.D
Acq: 12 Jun 2025 17:02

Tgt Ion:152 Resp: 212692
Ion Ratio Lower Upper
152 100
115 60.3 30.1 90.5
150 158.2 0.0 345.0





#76

1,2,3-Trichloropropane

Concen: 19.783 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.147 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

Instrument :

MSVOA_N

ClientSampleId :

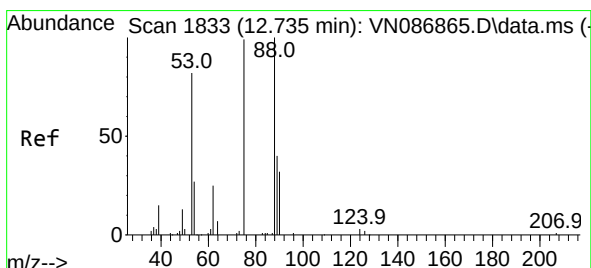
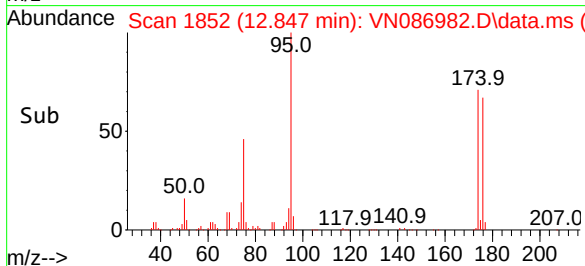
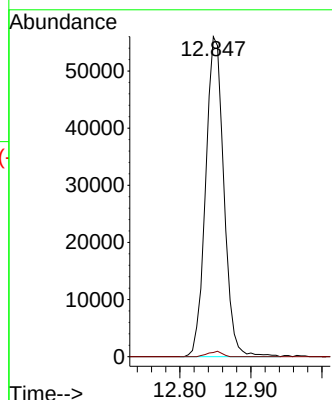
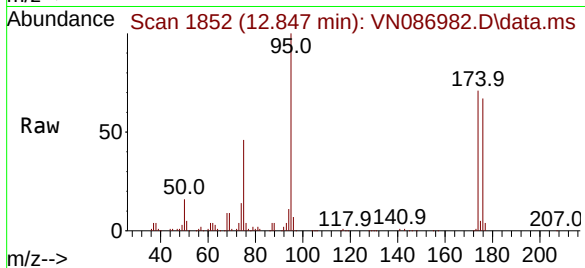
IBLK

Tgt Ion: 75 Resp: 100017

Ion Ratio Lower Upper

75 100

77 1.3 79.3 237.9#



#81

trans-1,4-Dichloro-2-butene

Concen: 45.539 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.112 min

Lab File: VN086982.D

Acq: 12 Jun 2025 17:02

Tgt Ion: 75 Resp: 100017

Ion Ratio Lower Upper

75 100

53 0.0 66.6 99.8#

89 0.0 36.7 55.1#

