

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN062725\
 Data File : VN087226.D
 Acq On : 27 Jun 2025 16:38
 Operator : JC\MD
 Sample : Q2437-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 STORAGE-BLANK-SAMPLE-MANAGEMENT

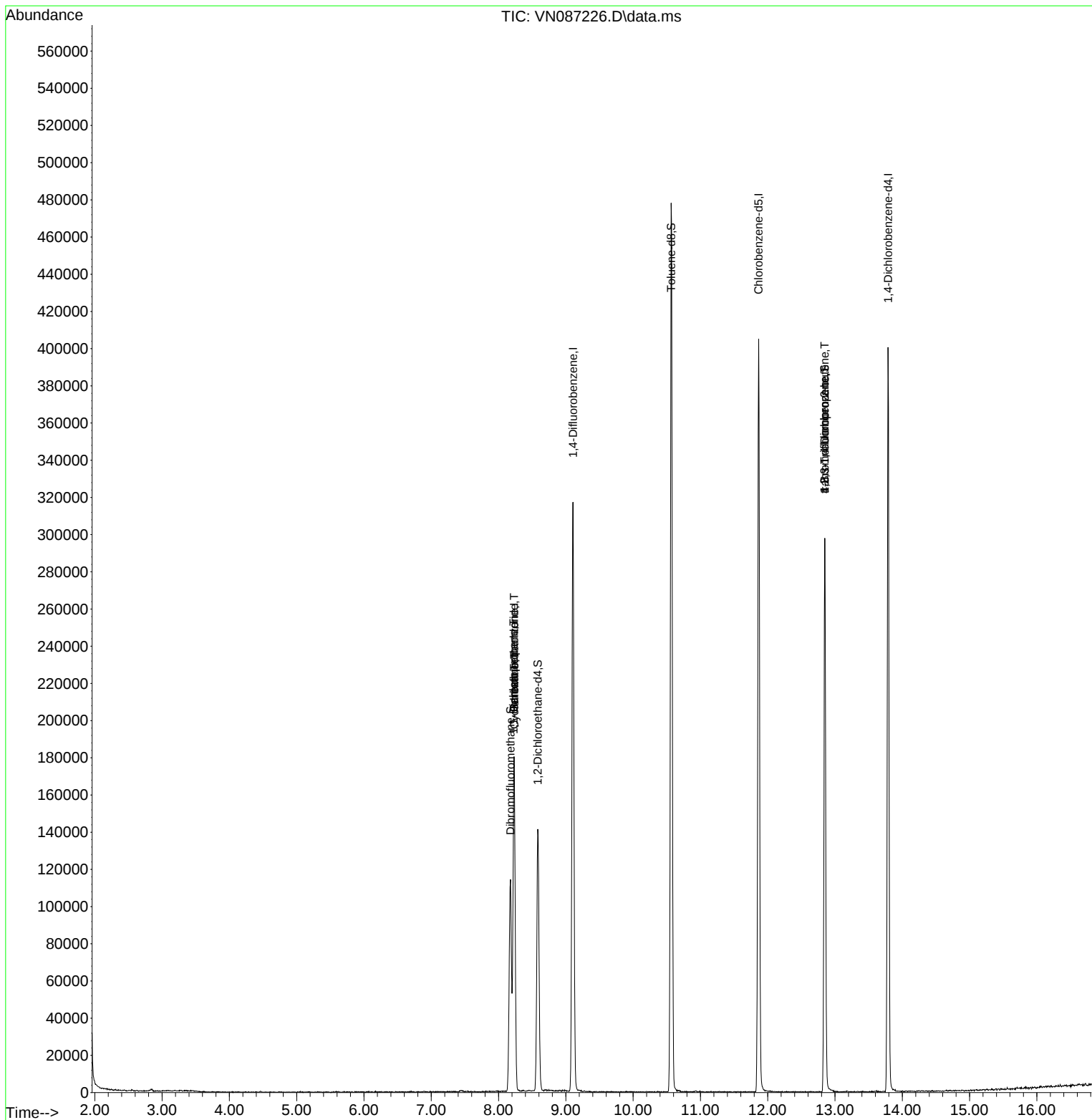
Quant Time: Jun 27 23:47:19 2025
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N062625W.M
 Quant Title : SW846 8260
 QLast Update : Fri Jun 27 05:55:21 2025
 Response via : Initial Calibration

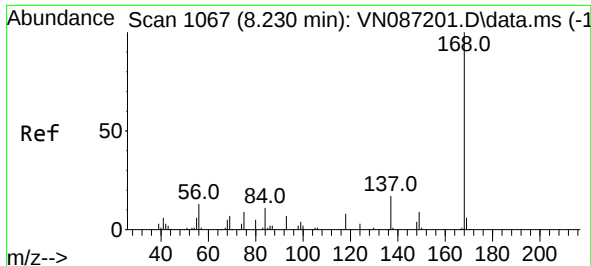
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.230	168	136871	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.106	114	285243	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	250172	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113401	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.583	65	119040	60.436	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 120.880%			
35) Dibromofluoromethane	8.177	113	86492	46.901	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 93.800%			
50) Toluene-d8	10.565	98	347878	45.611	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 91.220%			
62) 4-Bromofluorobenzene	12.847	95	118481	44.768	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 89.540%			
Target Compounds						
16) Acetone	4.459	43	553	Below Cal	#	42
20) Methylene Chloride	5.306	84	54	Below Cal	#	8
31) Cyclohexane	8.236	56	3096	1.015	ug/l #	9
36) 1,1-Dichloropropene	8.224	75	11607	4.297	ug/l #	48
38) Carbon Tetrachloride	8.230	117	14059	5.344	ug/l #	17
51) 4-Methyl-2-Pentanone	10.571	43	1267	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.847	75	56725	22.420	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	56725	50.319	ug/l #	13

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

Quant Time: Jun 27 23:47:19 2025
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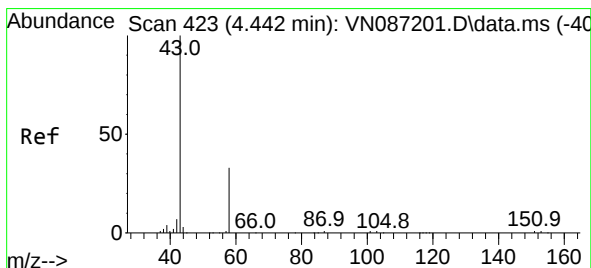
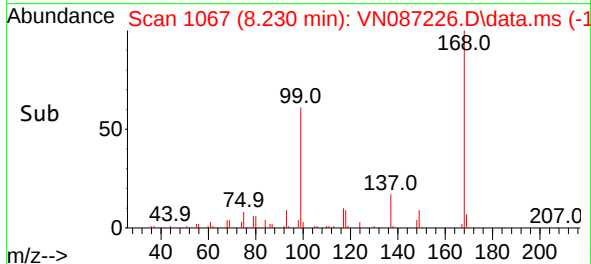
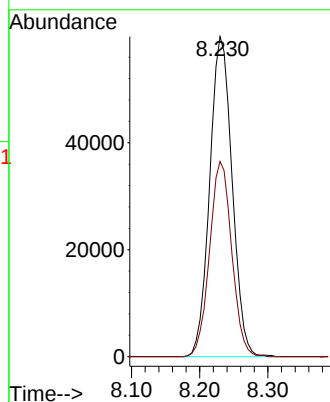
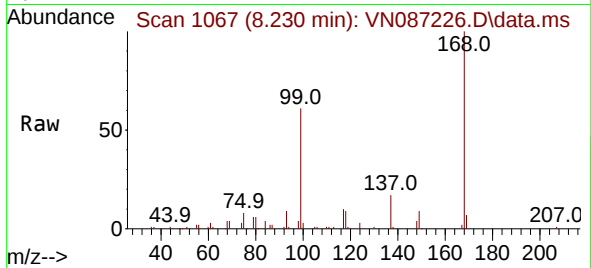




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.230 min Scan# 11
Delta R.T. -0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

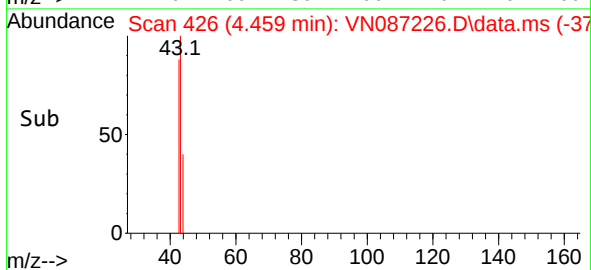
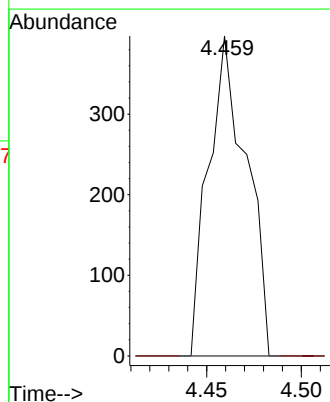
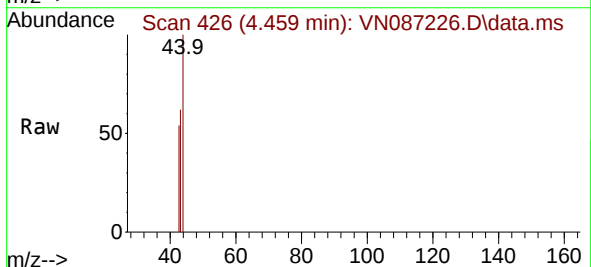
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

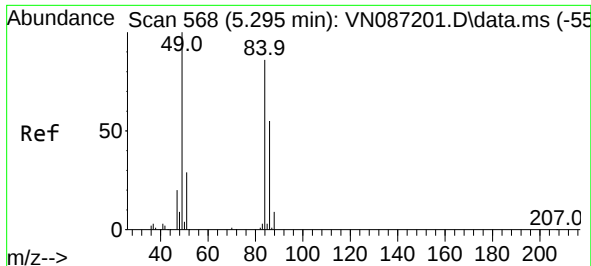
Tgt Ion:168 Resp: 136871
Ion Ratio Lower Upper
168 100
99 61.0 47.9 71.9



#16
Acetone
Concen: Below Cal
RT: 4.459 min Scan# 426
Delta R.T. 0.017 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

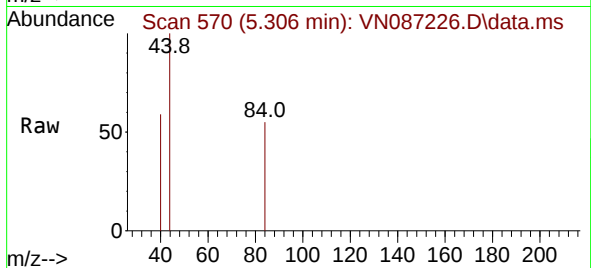
Tgt Ion: 43 Resp: 553
Ion Ratio Lower Upper
43 100
58 0.0 26.5 39.7#



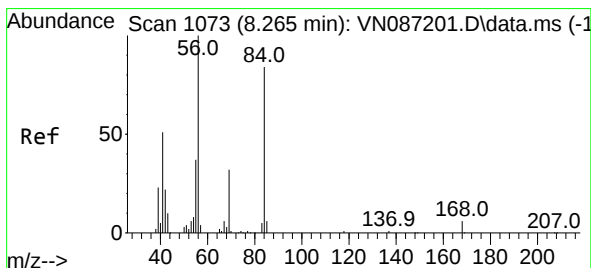
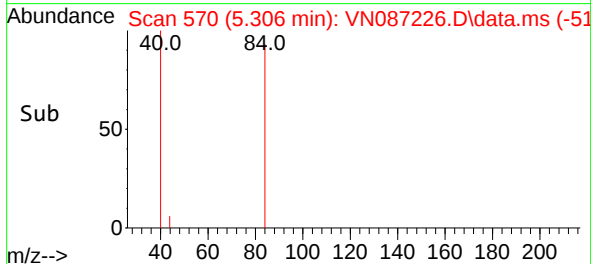
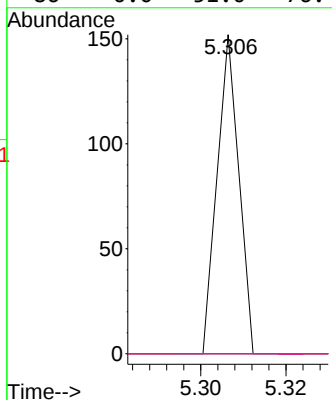


#20
Methylene Chloride
Concen: Below Cal
RT: 5.306 min Scan# 51
Delta R.T. 0.011 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

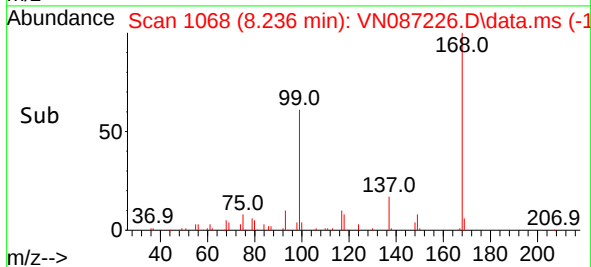
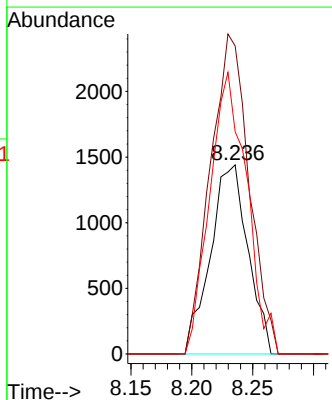
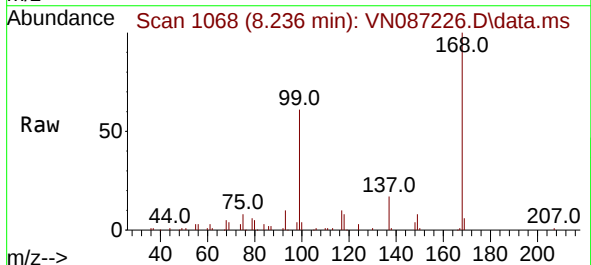


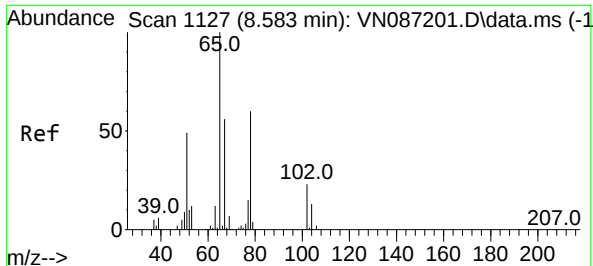
Tgt Ion:	84	Resp:	54
Ion	Ratio	Lower	Upper
84	100		
49	0.0	93.0	139.6#
51	0.0	27.2	40.8#
86	0.0	51.0	76.4#



#31
Cyclohexane
Concen: 1.015 ug/l
RT: 8.236 min Scan# 1068
Delta R.T. -0.029 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion:	56	Resp:	3096
Ion	Ratio	Lower	Upper
56	100		
69	162.9	25.3	37.9#
84	117.5	67.4	101.0#





#33

1,2-Dichloroethane-d4

Concen: 60.436 ug/l

RT: 8.583 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

Instrument :

MSVOA_N

ClientSampleId :

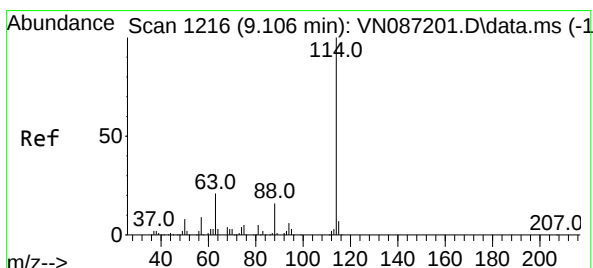
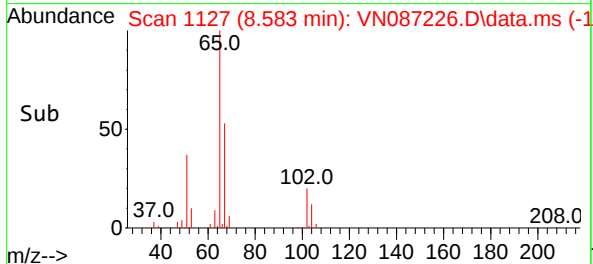
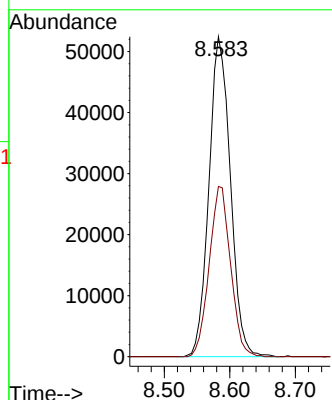
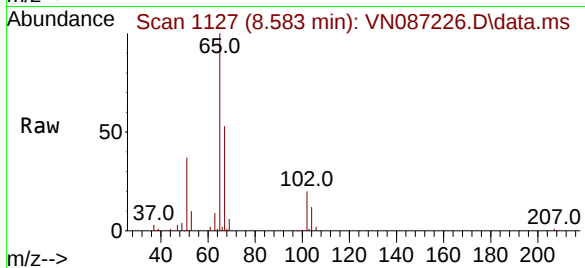
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 65 Resp: 119040

Ion Ratio Lower Upper

65 100

67 53.0 0.0 108.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.106 min Scan# 1216

Delta R.T. 0.000 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

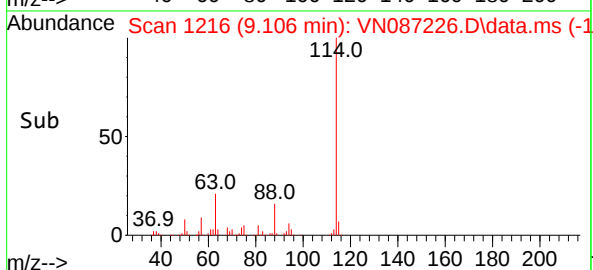
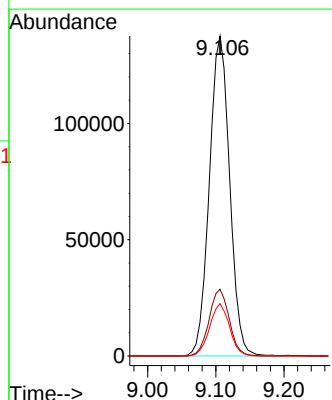
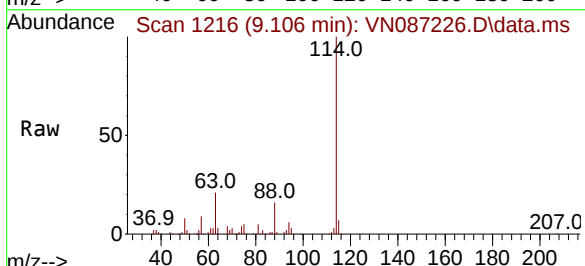
Tgt Ion: 114 Resp: 285243

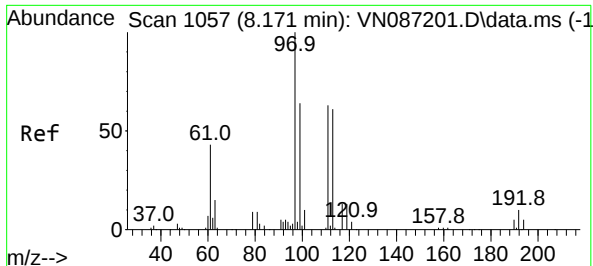
Ion Ratio Lower Upper

114 100

63 20.8 0.0 42.0

88 16.4 0.0 32.0





#35

Dibromofluoromethane

Concen: 46.901 ug/l

RT: 8.177 min Scan# 1057

Delta R.T. 0.006 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

Instrument :

MSVOA_N

ClientSampleId :

STORAGE-BLANK-SAMPLE-MANAGEMENT

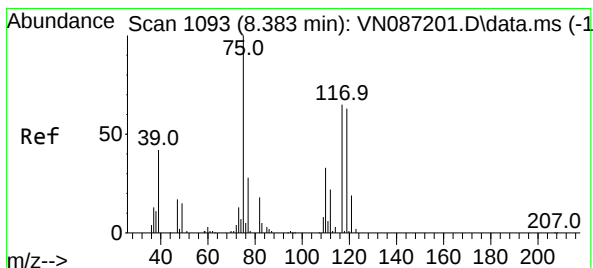
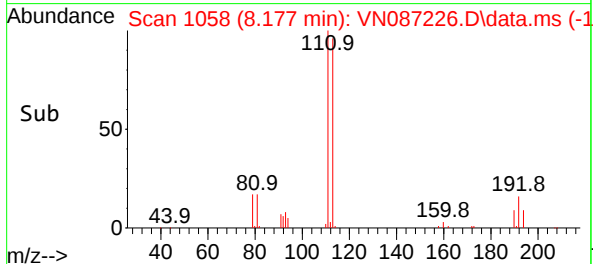
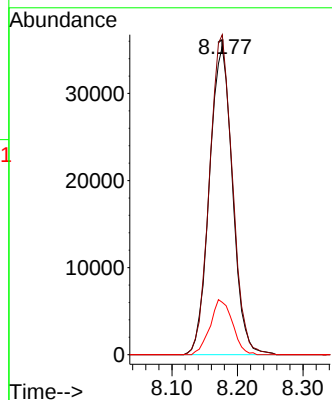
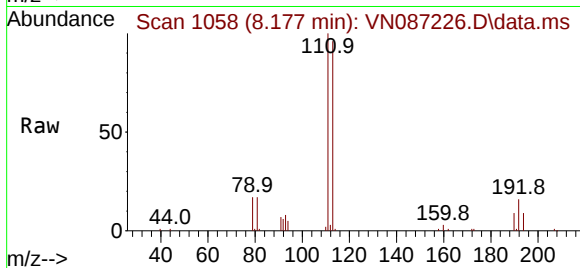
Tgt Ion:113 Resp: 86492

Ion Ratio Lower Upper

113 100

111 103.2 82.6 124.0

192 17.3 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.297 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.159 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

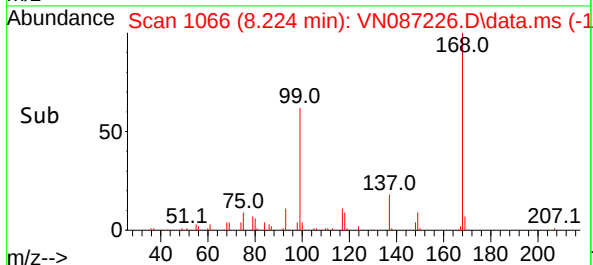
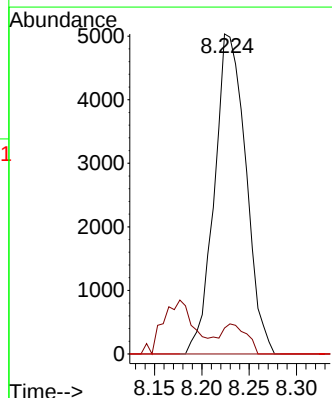
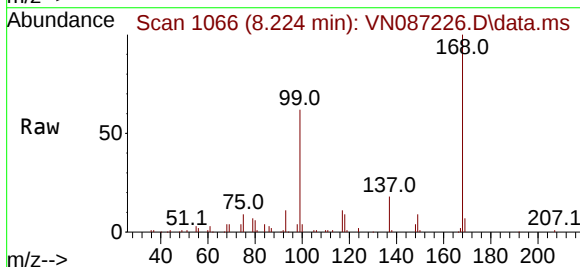
Tgt Ion: 75 Resp: 11607

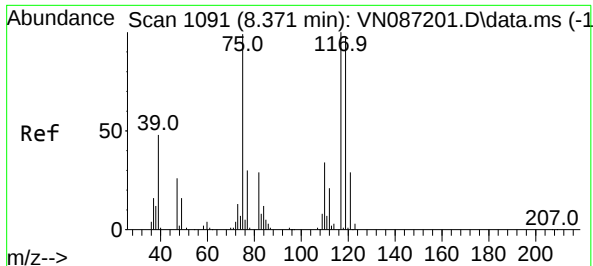
Ion Ratio Lower Upper

75 100

110 6.8 16.9 50.6#

77 0.0 24.7 37.1#

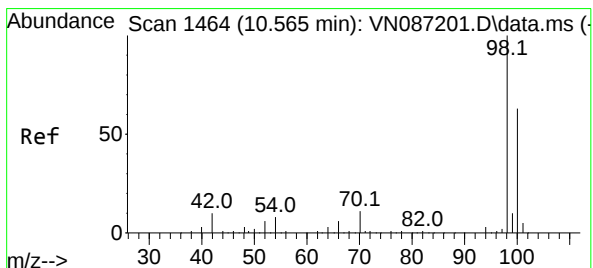
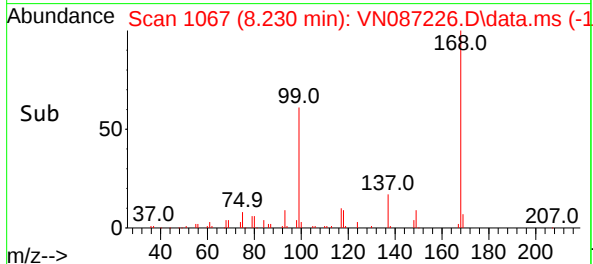
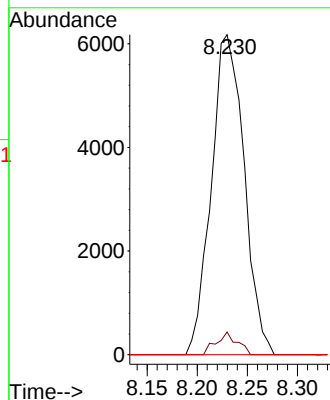
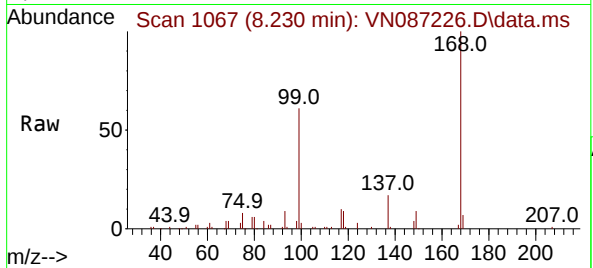




#38
Carbon Tetrachloride
Concen: 5.344 ug/l
RT: 8.230 min Scan# 1091
Delta R.T. -0.141 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

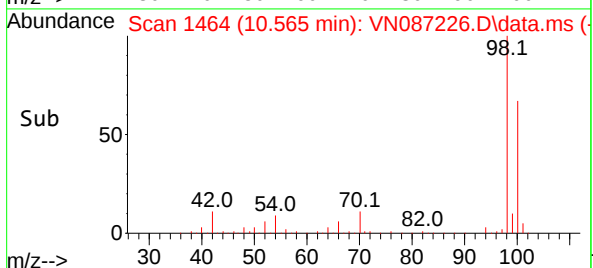
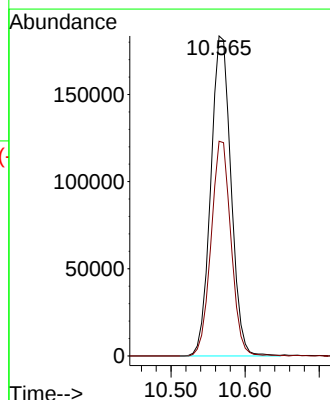
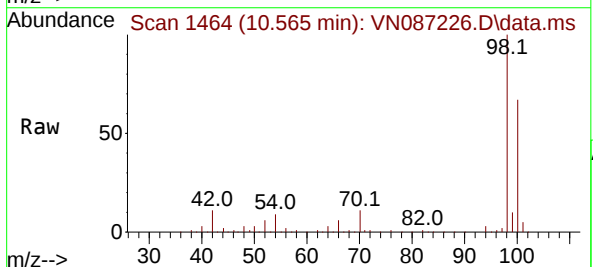
Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

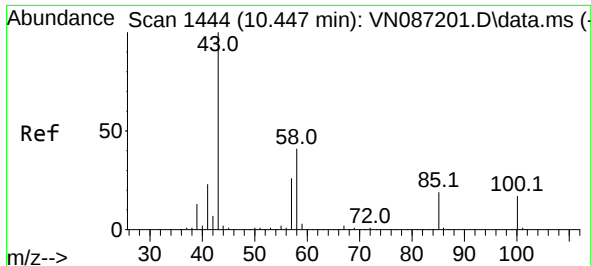
Tgt Ion:117 Resp: 14059
Ion Ratio Lower Upper
117 100
119 7.1 77.4 116.0#
121 0.0 23.2 34.8#



#50
Toluene-d8
Concen: 45.611 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion: 98 Resp: 347878
Ion Ratio Lower Upper
98 100
100 66.1 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: Below Cal

RT: 10.571 min Scan# 1444

Delta R.T. 0.124 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

Instrument :

MSVOA_N

ClientSampleId :

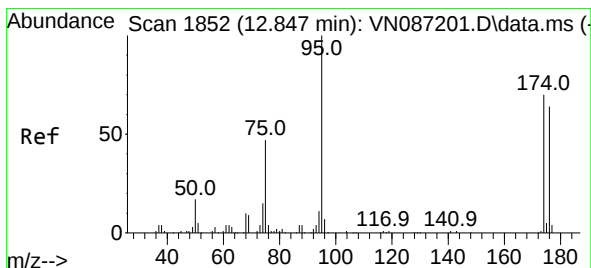
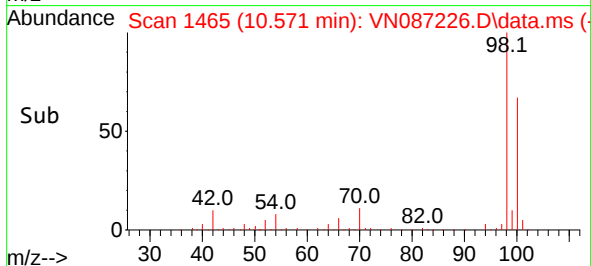
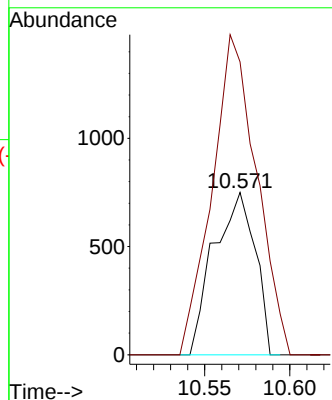
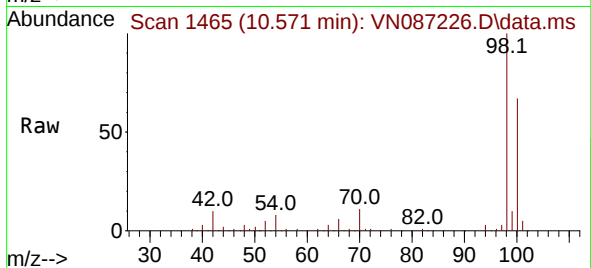
STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 43 Resp: 1267

Ion Ratio Lower Upper

43 100

58 211.8 32.6 48.8#



#62

4-Bromofluorobenzene

Concen: 44.768 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. 0.000 min

Lab File: VN087226.D

Acq: 27 Jun 2025 16:38

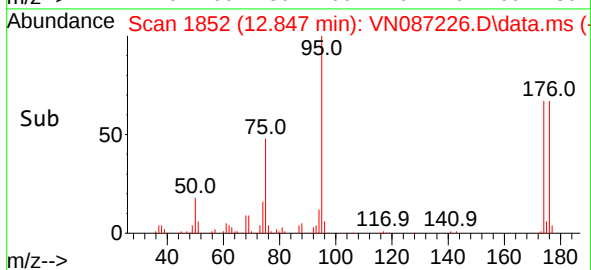
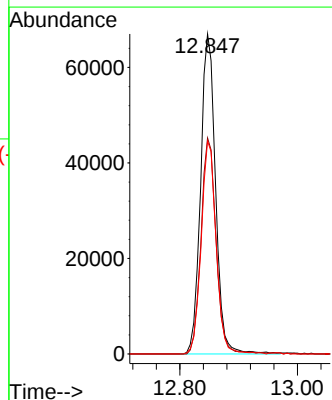
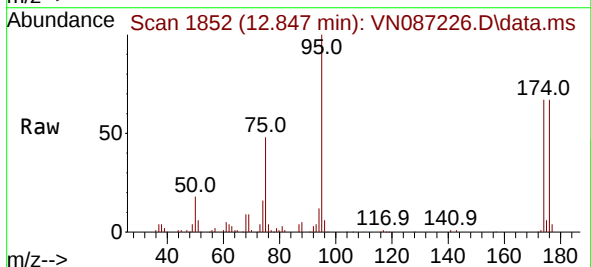
Tgt Ion: 95 Resp: 118481

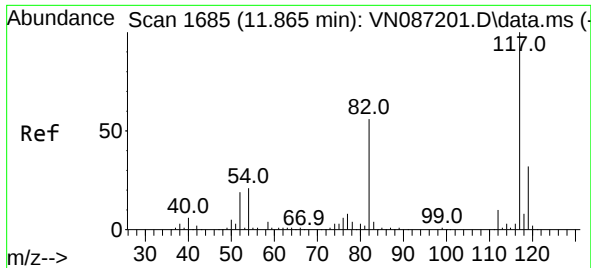
Ion Ratio Lower Upper

95 100

174 68.1 0.0 142.2

176 66.3 0.0 134.8

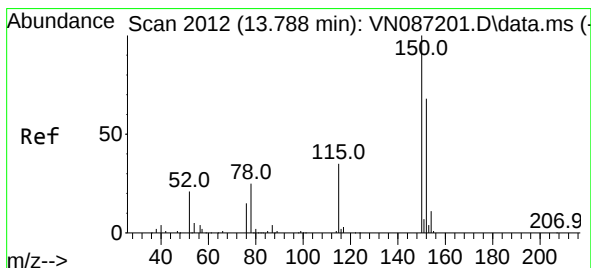
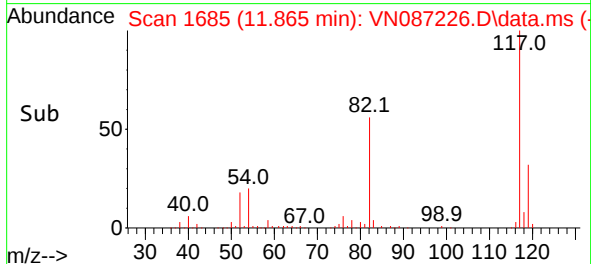
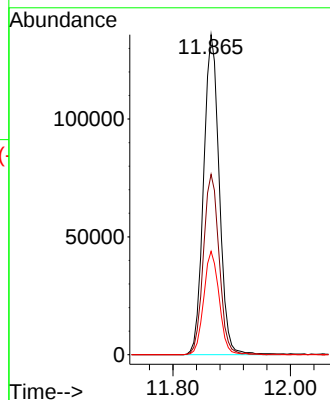
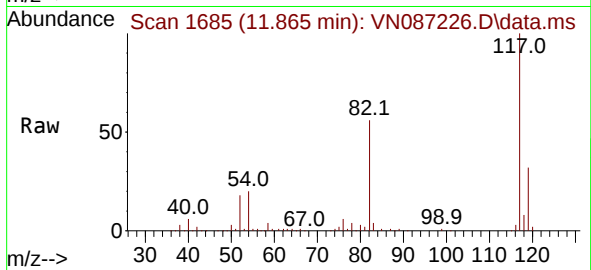




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

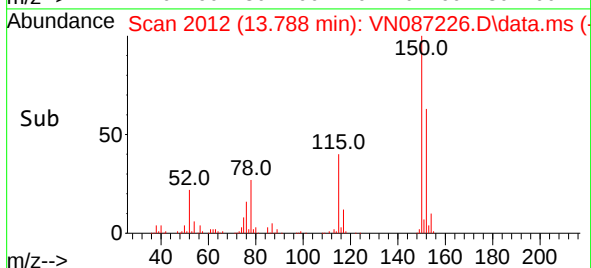
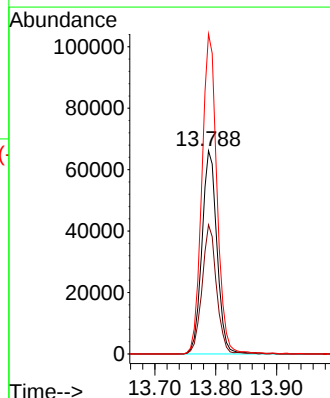
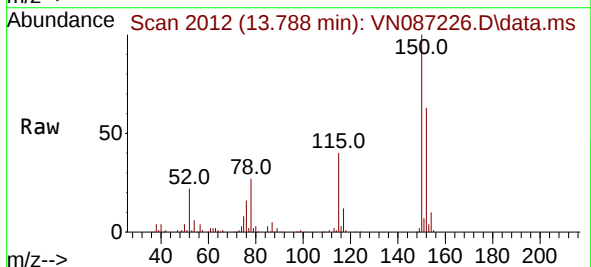
Instrument :
MSVOA_N
ClientSampleId :
STORAGE-BLANK-SAMPLE-MANAGEMENT

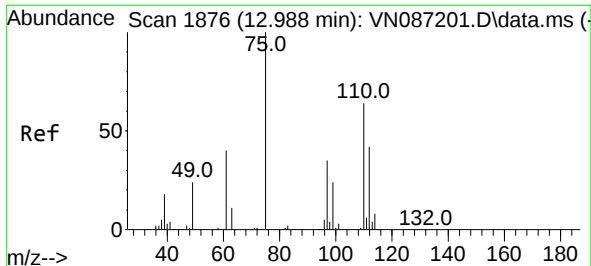
Tgt Ion:117 Resp: 250172
Ion Ratio Lower Upper
117 100
82 56.4 45.0 67.4
119 32.3 25.9 38.9



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion:152 Resp: 113401
Ion Ratio Lower Upper
152 100
115 61.2 30.6 91.8
150 157.2 0.0 347.8

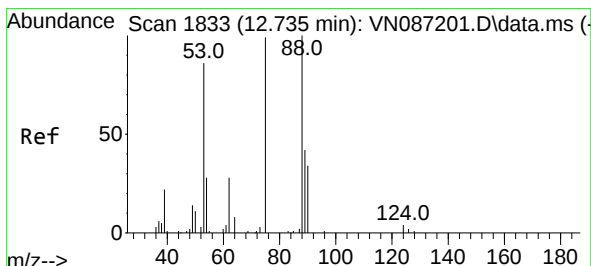
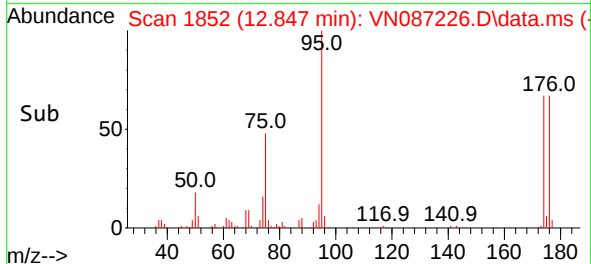
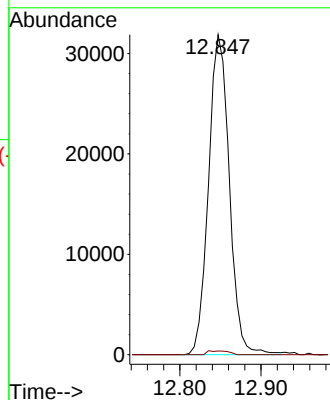
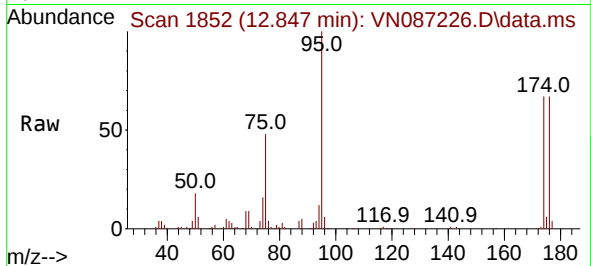




#76
1,2,3-Trichloropropane
Concen: 22.420 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Instrument : MSVOA_N
ClientSampleId : STORAGE-BLANK-SAMPLE-MANAGEMENT

Tgt Ion: 75 Resp: 56725
Ion Ratio Lower Upper
75 100
77 1.2 85.5 256.6#



#81
trans-1,4-Dichloro-2-butene
Concen: 50.319 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN087226.D
Acq: 27 Jun 2025 16:38

Tgt Ion: 75 Resp: 56725
Ion Ratio Lower Upper
75 100
53 0.0 71.4 107.0#
89 0.0 37.9 56.9#

