

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN110824\
 Data File : VN084760.D
 Acq On : 08 Nov 2024 19:20
 Operator : JC\MD
 Sample : VIBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 08 22:37:07 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
 Quant Title : SW846 8260
 QLast Update : Thu Oct 31 18:45:38 2024
 Response via : Initial Calibration

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

Internal Standards						
1) Pentafluorobenzene	8.224	168	165582	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	289279	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	249939	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	113435	50.000	ug/l	0.00

System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	116870	48.868	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	97.740%
35) Dibromofluoromethane	8.165	113	95416	48.730	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	97.460%
50) Toluene-d8	10.565	98	337240	46.755	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	93.520%
62) 4-Bromofluorobenzene	12.847	95	125273	46.471	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	92.940%

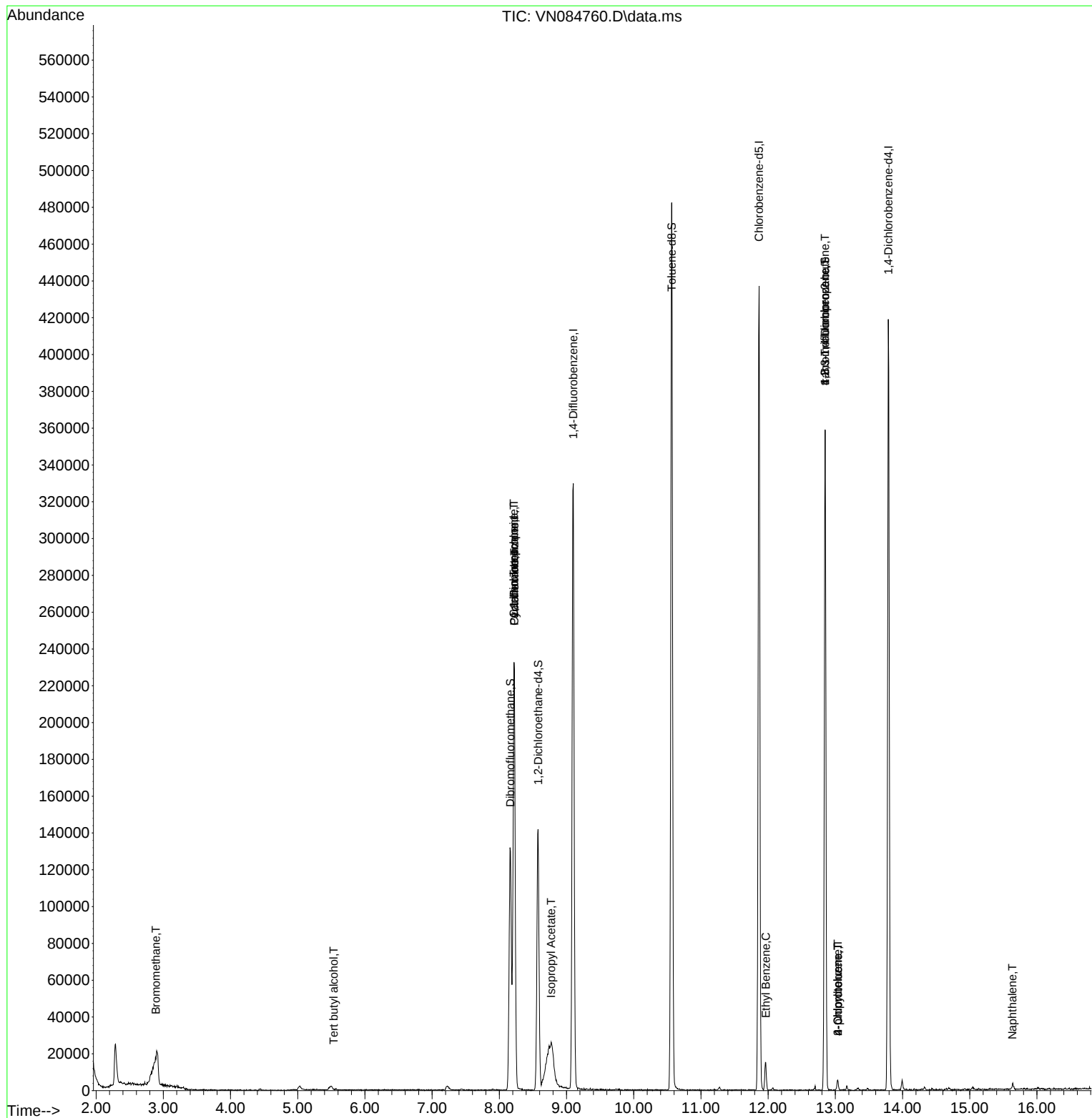
Target Compounds			Qvalue			
3) Chloromethane	2.359	50	264	Below Cal	#	41
5) Bromomethane	2.889	94	220	0.203	ug/l #	4
6) Chloroethane	3.101	64	305	Below Cal	#	45
11) Tert butyl alcohol	5.536	59	128	0.405	ug/l #	73
16) Acetone	4.430	43	55	Below Cal	#	44
18) Methyl Acetate	5.036	43	4490	Below Cal		94
31) Cyclohexane	8.224	56	3326	1.007	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	13519	4.978	ug/l #	51
38) Carbon Tetrachloride	8.218	117	17707	5.834	ug/l #	15
43) Isopropyl Acetate	8.771	43	67812	14.207	ug/l #	56
67) Ethyl Benzene	11.965	91	11366	1.218	ug/l	100
76) 1,2,3-Trichloropropane	12.847	75	65188	28.749	ug/l #	1
78) n-propylbenzene	13.035	91	5101	0.548	ug/l	96
79) 2-Chlorotoluene	13.035	91	5101	0.838	ug/l #	43
81) trans-1,4-Dichloro-2-b...	12.847	75	65188	68.203	ug/l #	11
82) 4-Chlorotoluene	13.035	91	5101	0.796	ug/l #	43
95) Naphthalene	15.635	128	3823	0.582	ug/l #	88

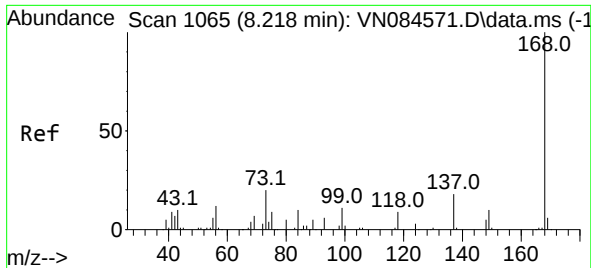
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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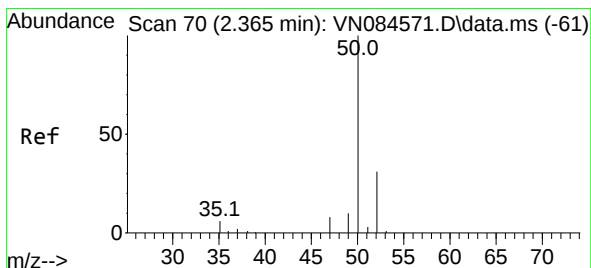
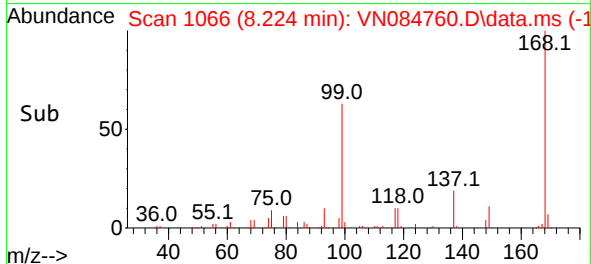
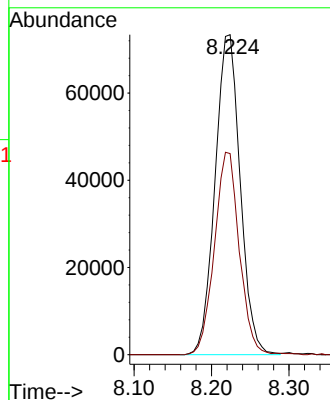
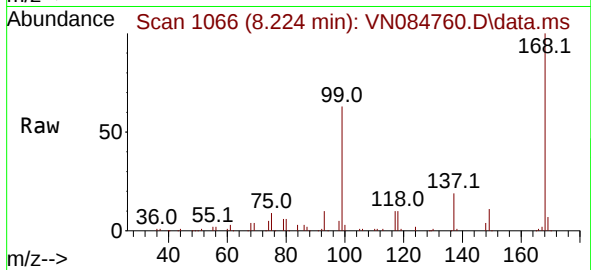




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

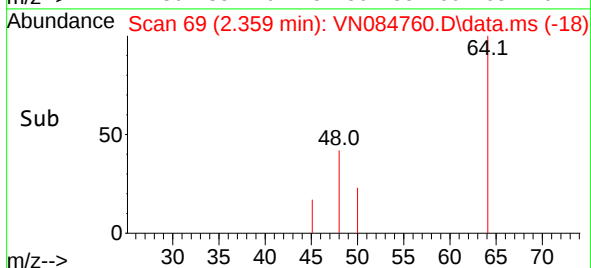
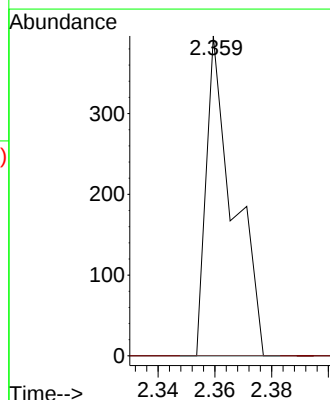
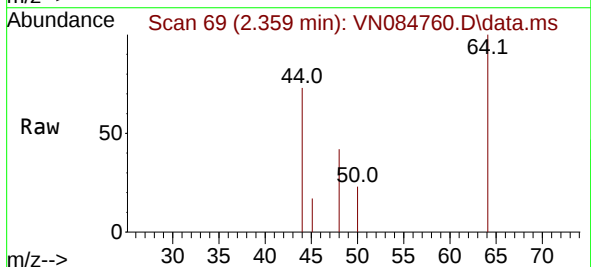
Instrument :
MSVOA_N
ClientSampleId :

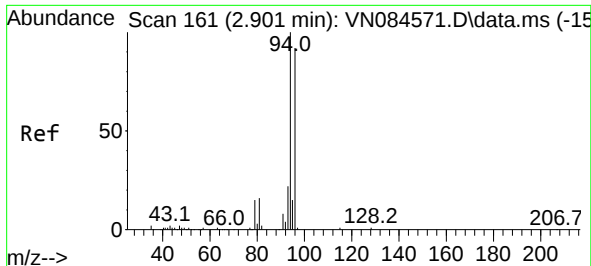
Tgt Ion:168 Resp: 165582
Ion Ratio Lower Upper
168 100
99 62.8 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 50 Resp: 264
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

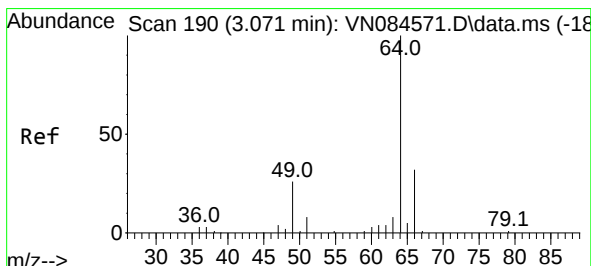
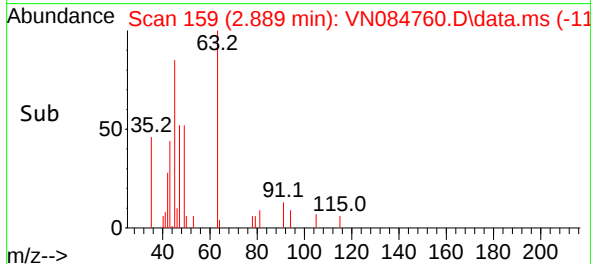
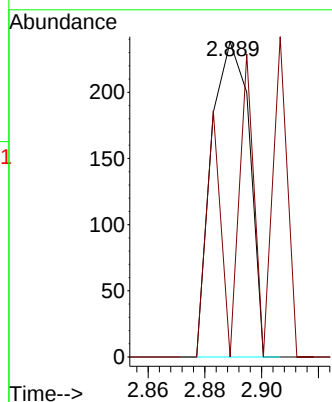
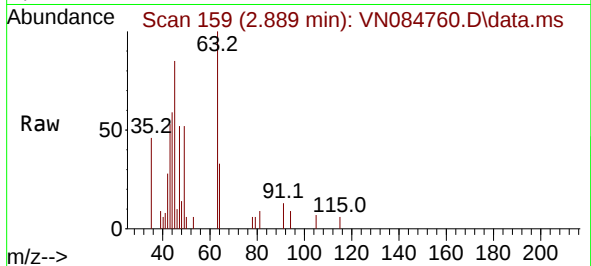




#5
Bromomethane
Concen: 0.203 ug/l
RT: 2.889 min Scan# 11
Delta R.T. -0.064 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

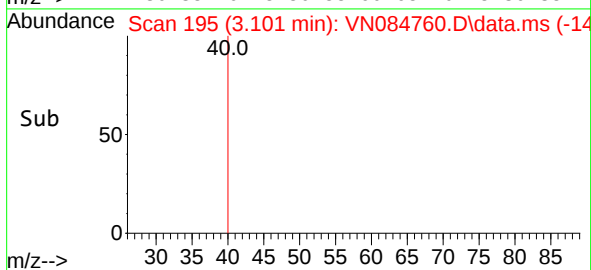
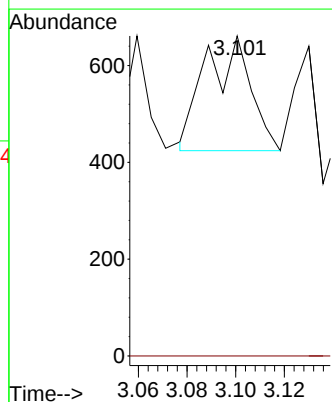
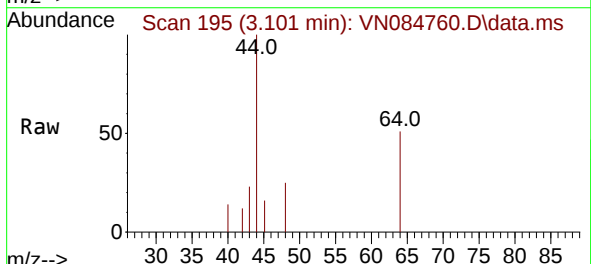
Instrument :
MSVOA_N
ClientSampleId :

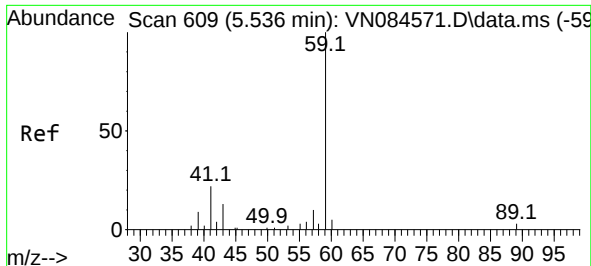
Tgt Ion: 94 Resp: 220
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.101 min Scan# 195
Delta R.T. -0.017 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 64 Resp: 305
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#

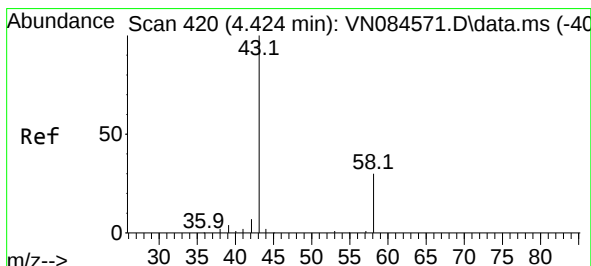
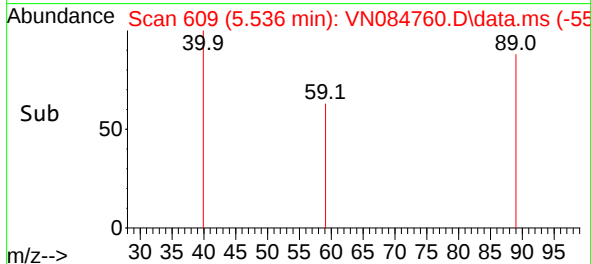
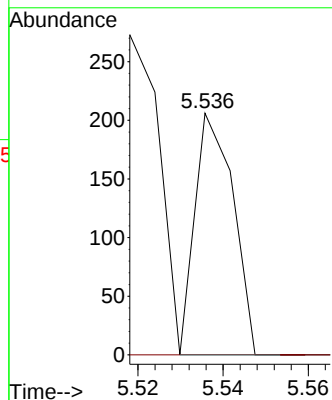
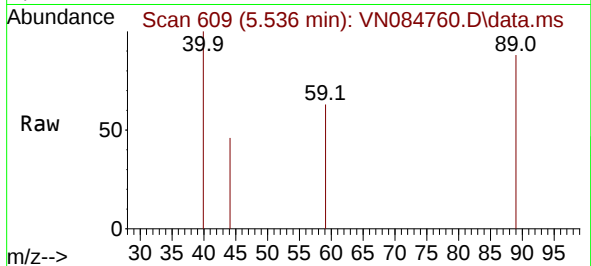




#11
Tert butyl alcohol
Concen: 0.405 ug/l
RT: 5.536 min Scan# 609
Delta R.T. 0.012 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

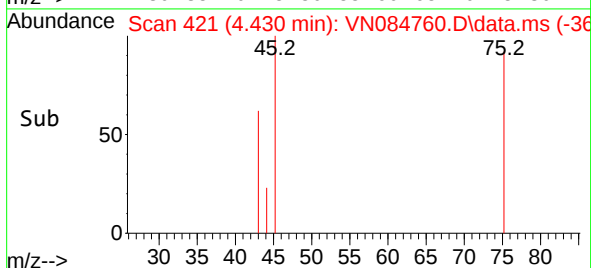
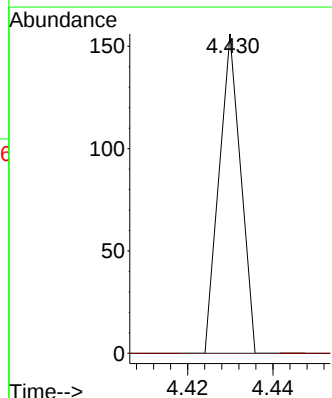
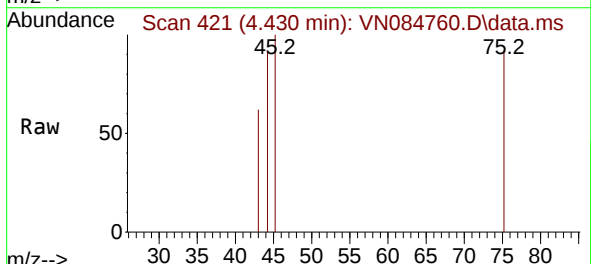
Instrument :
MSVOA_N
ClientSampleId :

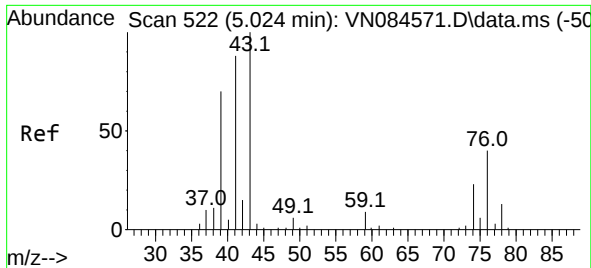
Tgt Ion: 59 Resp: 128
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: Below Cal
RT: 4.430 min Scan# 421
Delta R.T. 0.006 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

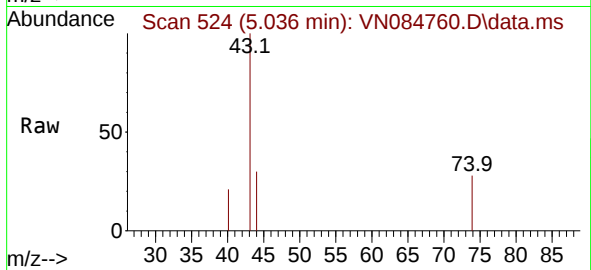
Tgt Ion: 43 Resp: 55
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



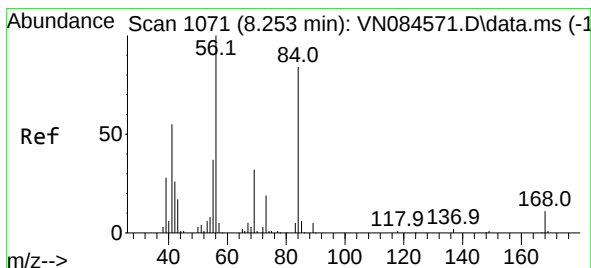
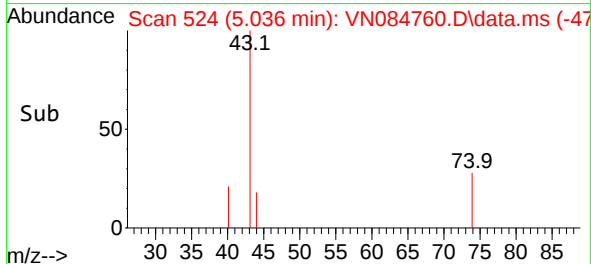
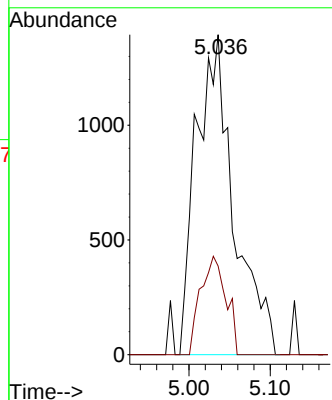


#18
Methyl Acetate
Concen: Below Cal
RT: 5.036 min Scan# 51
Delta R.T. 0.018 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

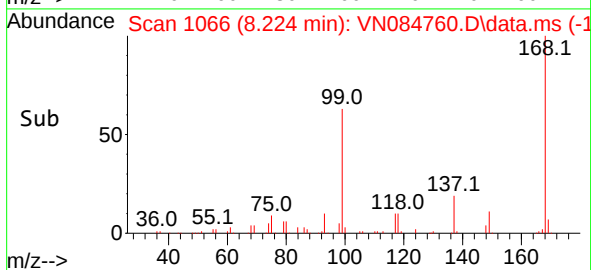
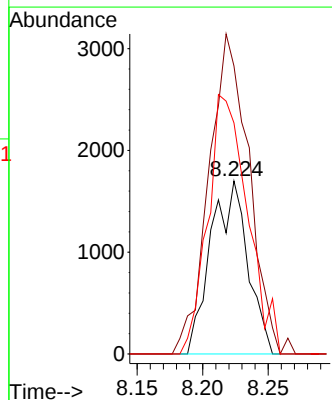
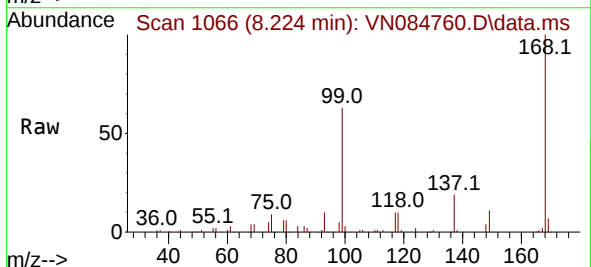


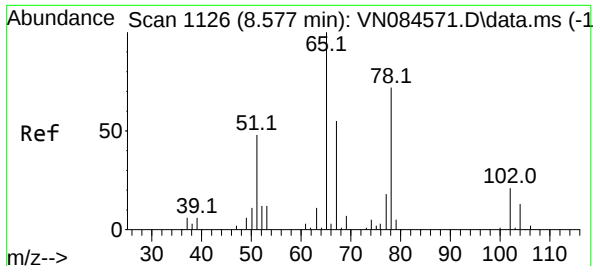
Tgt Ion: 43 Resp: 4490
Ion Ratio Lower Upper
43 100
74 20.8 19.2 28.8



#31
Cyclohexane
Concen: 1.007 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 56 Resp: 3326
Ion Ratio Lower Upper
56 100
69 166.4 23.8 35.6#
84 133.5 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.868 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084760.D

Acq: 08 Nov 2024 19:20

Instrument :

MSVOA_N

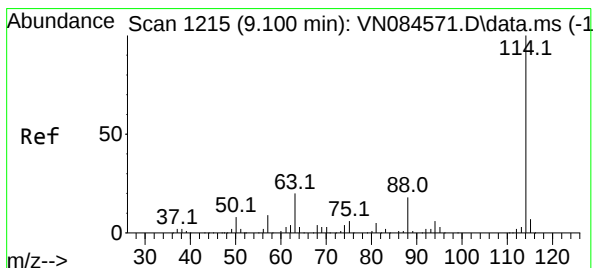
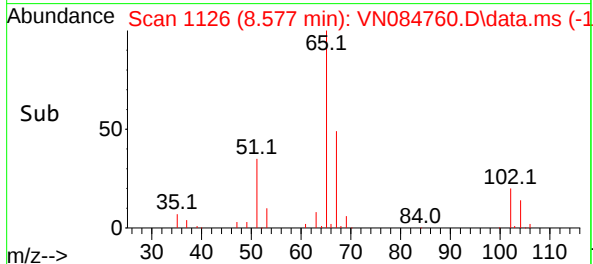
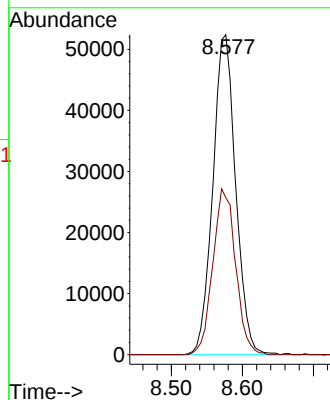
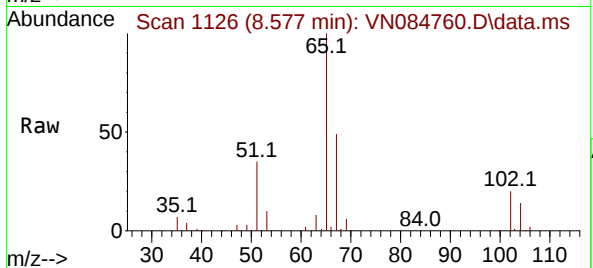
ClientSampleId :

Tgt Ion: 65 Resp: 116870

Ion Ratio Lower Upper

65 100

67 51.6 0.0 102.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1215

Delta R.T. 0.000 min

Lab File: VN084760.D

Acq: 08 Nov 2024 19:20

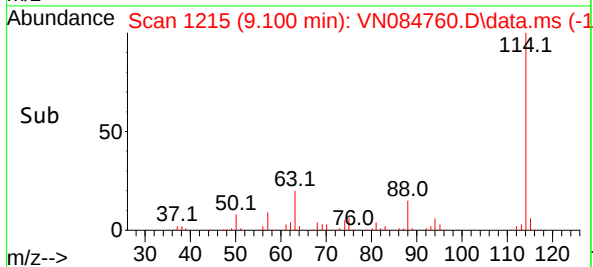
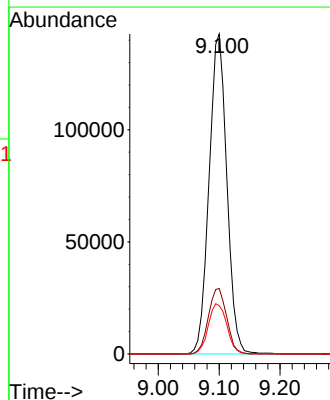
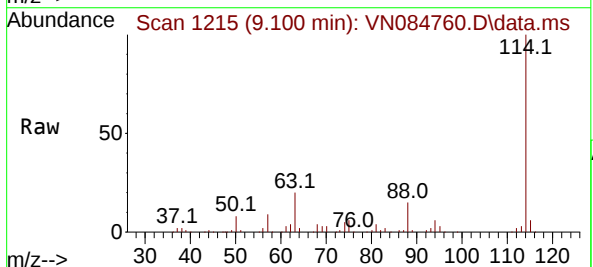
Tgt Ion: 114 Resp: 289279

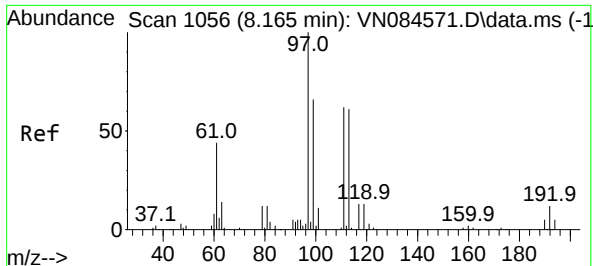
Ion Ratio Lower Upper

114 100

63 20.4 0.0 43.8

88 15.1 0.0 31.6





#35

Dibromofluoromethane

Concen: 48.730 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084760.D

Acq: 08 Nov 2024 19:20

Instrument :

MSVOA_N

ClientSampleId :

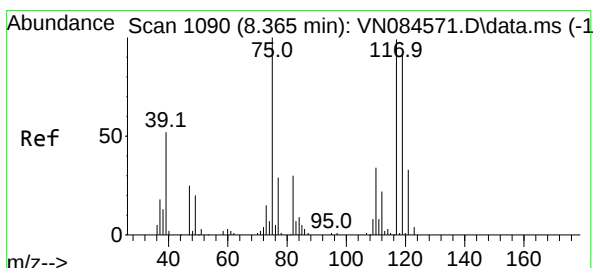
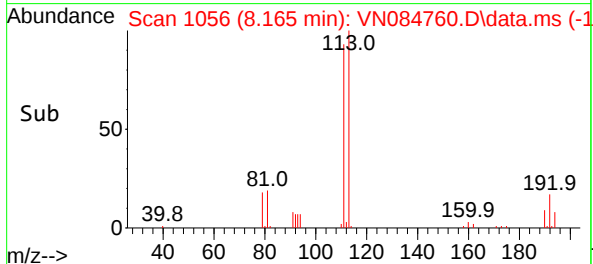
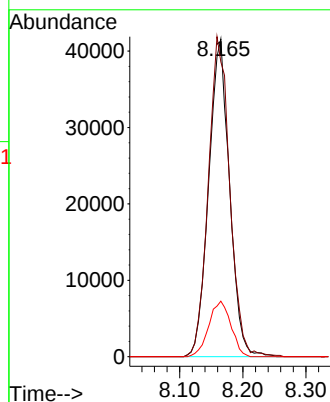
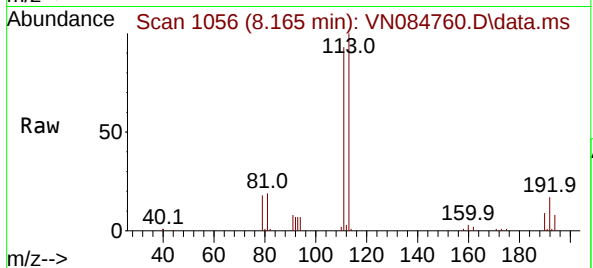
Tgt Ion:113 Resp: 95416

Ion Ratio Lower Upper

113 100

111 103.5 83.3 124.9

192 18.5 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.978 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084760.D

Acq: 08 Nov 2024 19:20

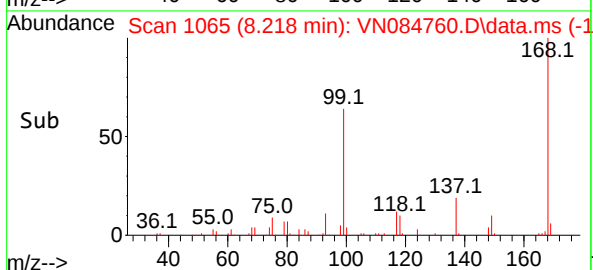
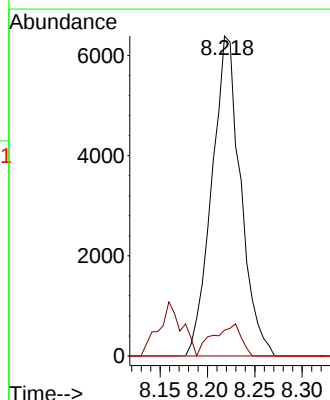
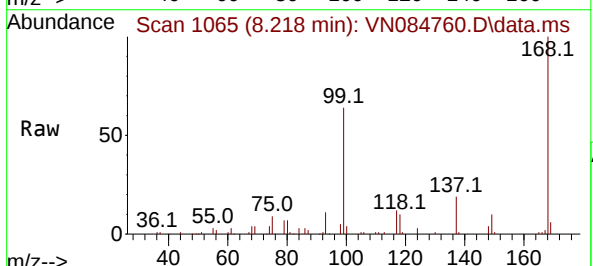
Tgt Ion: 75 Resp: 13519

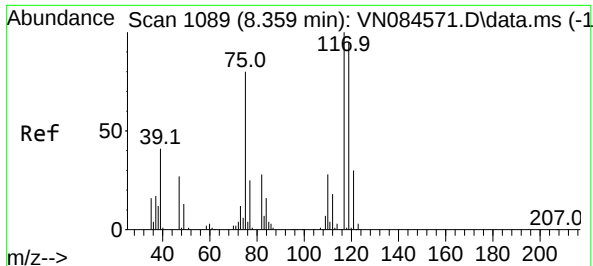
Ion Ratio Lower Upper

75 100

110 9.6 16.9 50.7#

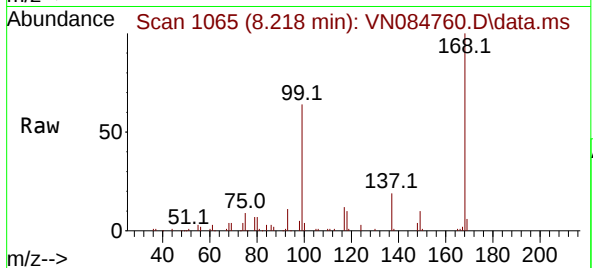
77 0.0 24.7 37.1#



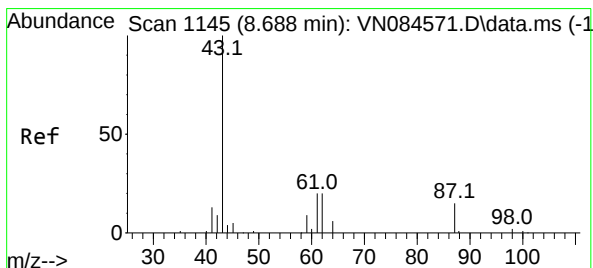
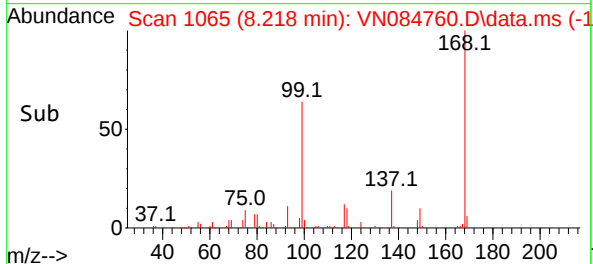
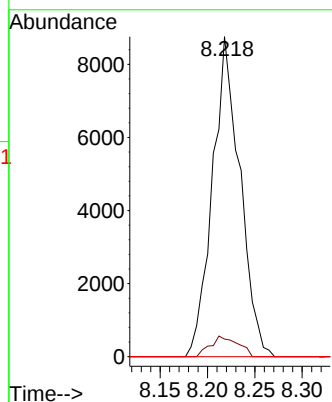


#38
Carbon Tetrachloride
Concen: 5.834 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

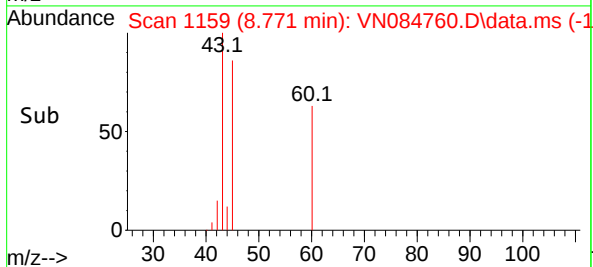
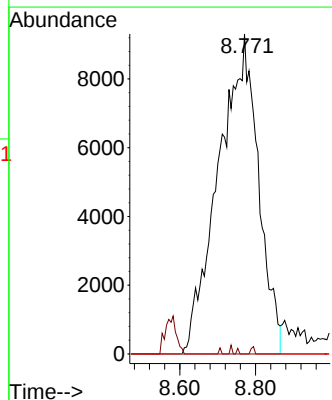
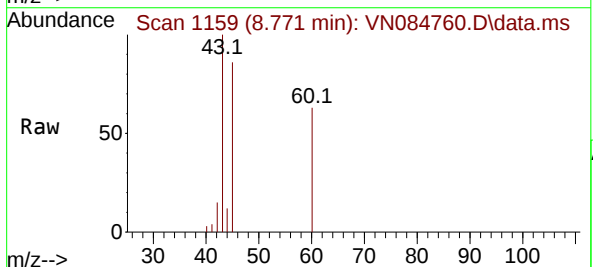


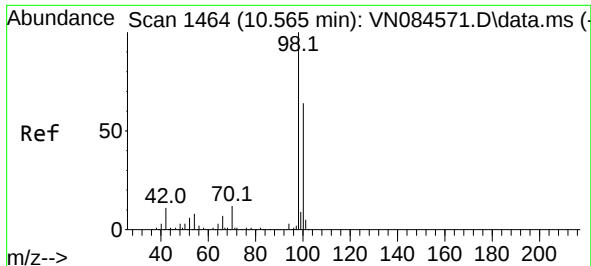
Tgt Ion: 117 Resp: 17707
Ion Ratio Lower Upper
117 100
119 5.5 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 14.207 ug/l
RT: 8.771 min Scan# 1159
Delta R.T. 0.083 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 43 Resp: 67812
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

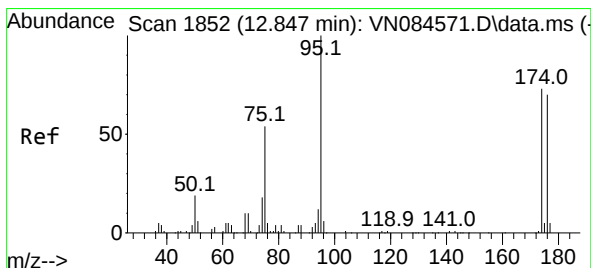
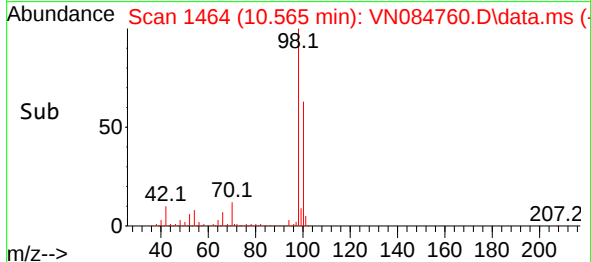
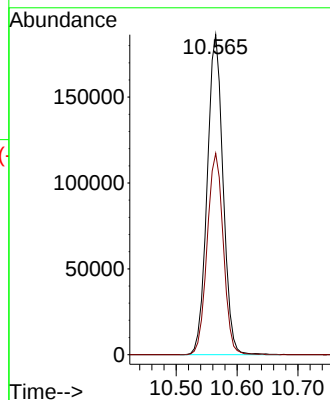
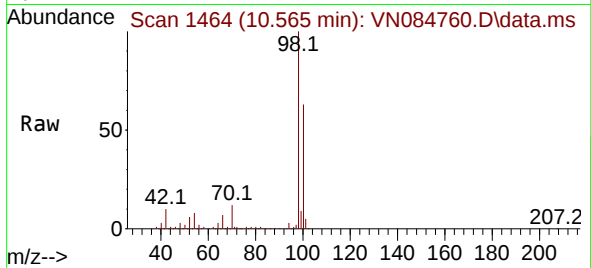




#50
Toluene-d8
Concen: 46.755 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

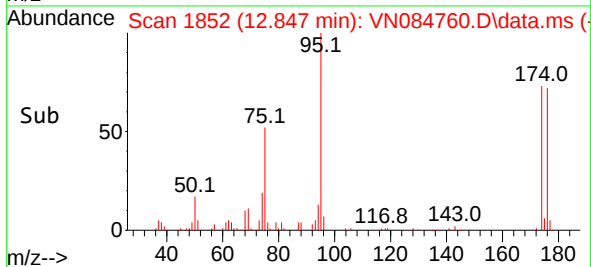
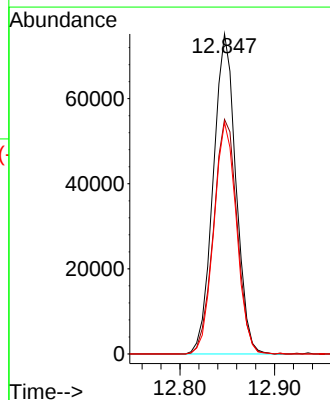
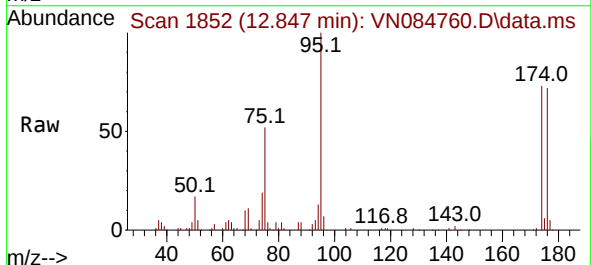
Instrument :
MSVOA_N
ClientSampleId :

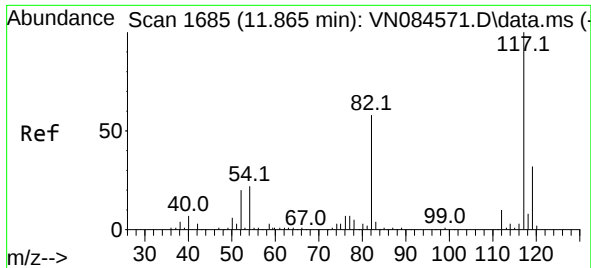
Tgt Ion: 98 Resp: 337240
Ion Ratio Lower Upper
98 100
100 64.0 52.7 79.1



#62
4-Bromofluorobenzene
Concen: 46.471 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 95 Resp: 125273
Ion Ratio Lower Upper
95 100
174 76.1 0.0 145.2
176 72.3 0.0 140.0

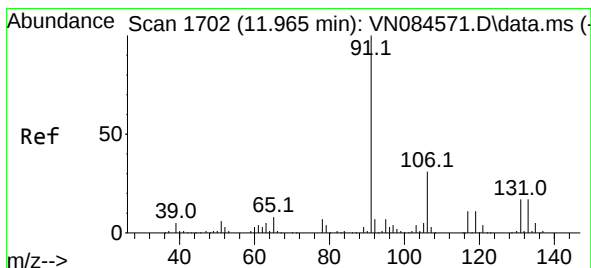
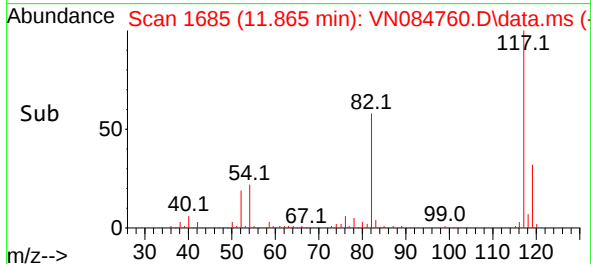
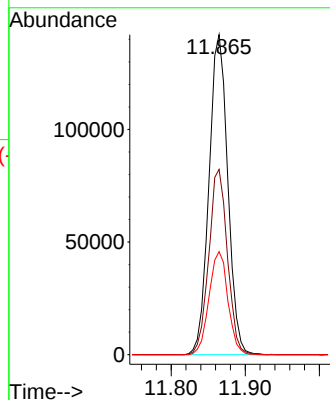
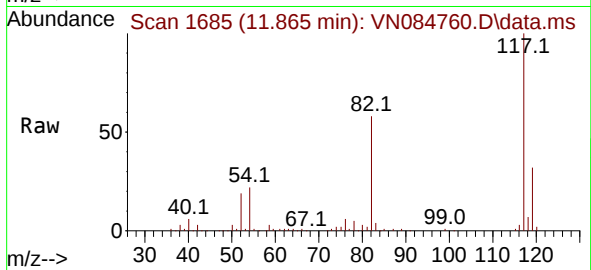




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. -0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

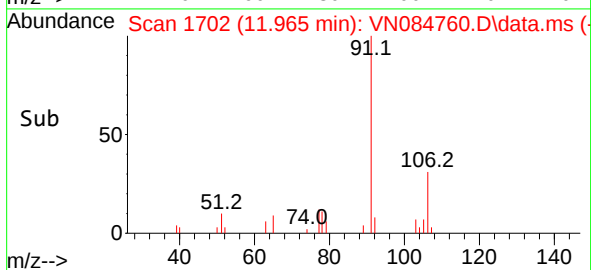
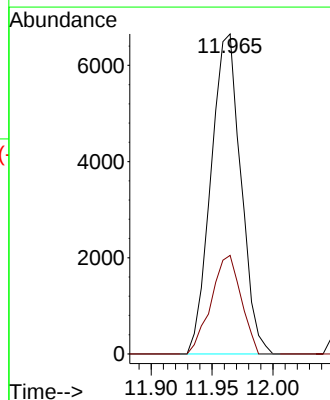
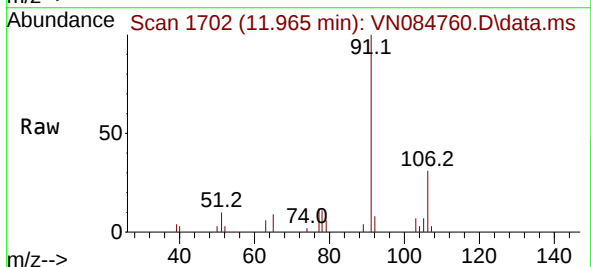
Instrument :
MSVOA_N
ClientSampleId :

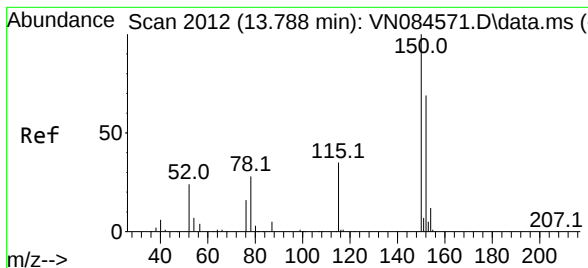
Tgt Ion:117 Resp: 249939
Ion Ratio Lower Upper
117 100
82 57.9 47.2 70.8
119 32.2 25.4 38.0



#67
Ethyl Benzene
Concen: 1.218 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

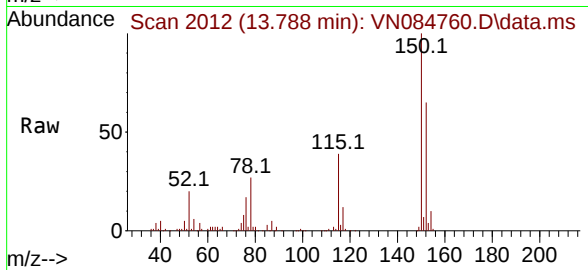
Tgt Ion: 91 Resp: 11366
Ion Ratio Lower Upper
91 100
106 30.8 24.5 36.7



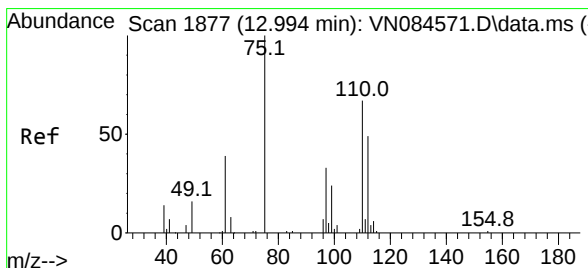
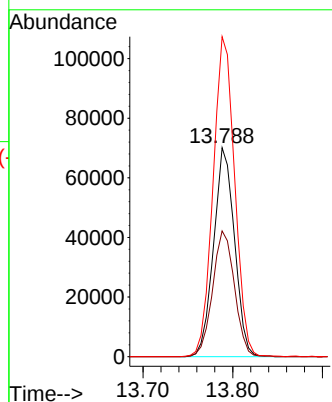
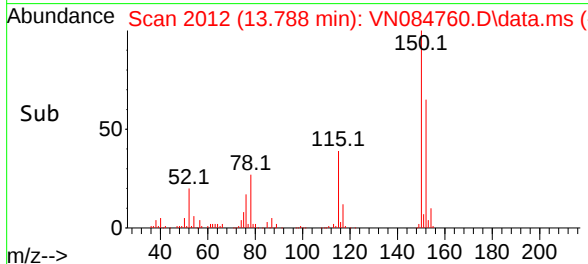


#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 20
Delta R.T. 0.000 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Instrument :
MSVOA_N
ClientSampleId :

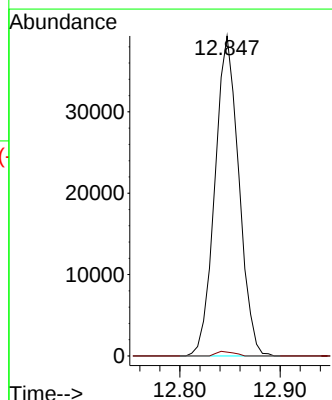
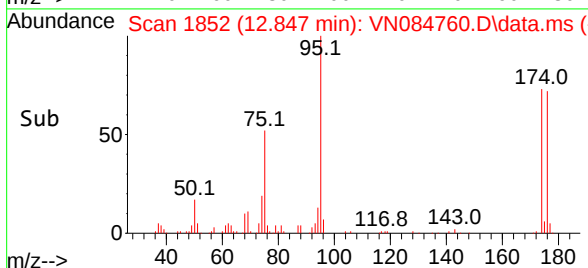
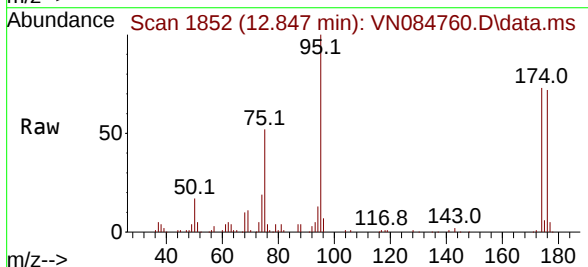


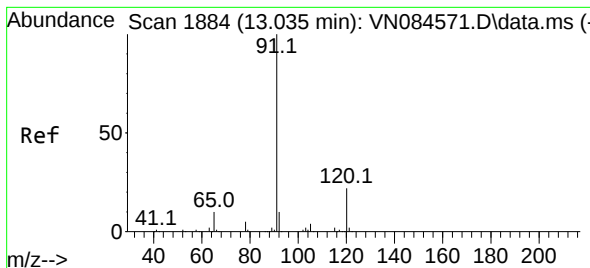
Tgt Ion:152 Resp: 113435
Ion Ratio Lower Upper
152 100
115 62.9 31.3 93.9
150 158.2 0.0 349.8



#76
1,2,3-Trichloropropane
Concen: 28.749 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

Tgt Ion: 75 Resp: 65188
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#





#78

n-propylbenzene

Concen: 0.548 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. 0.000 min

Lab File: VN084760.D

Acq: 08 Nov 2024 19:20

Instrument :

MSVOA_N

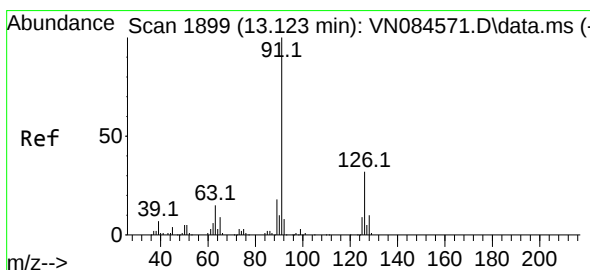
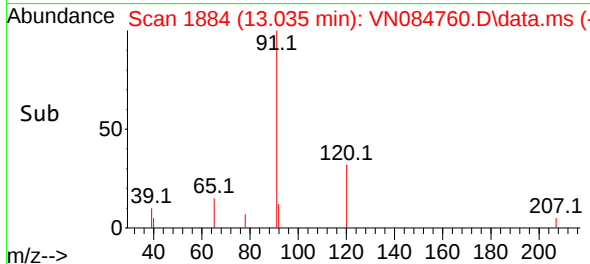
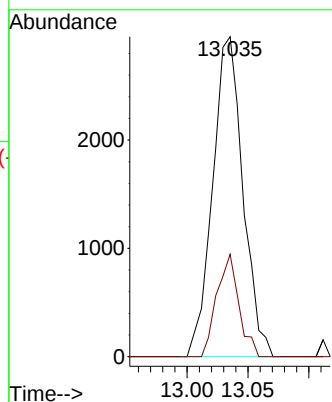
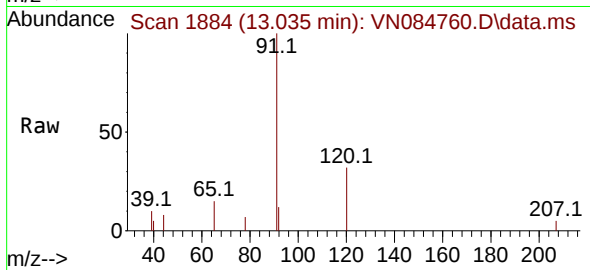
ClientSampleId :

Tgt Ion: 91 Resp: 5101

Ion Ratio Lower Upper

91 100

120 23.3 10.8 32.4



#79

2-Chlorotoluene

Concen: 0.838 ug/l

RT: 13.035 min Scan# 1884

Delta R.T. -0.088 min

Lab File: VN084760.D

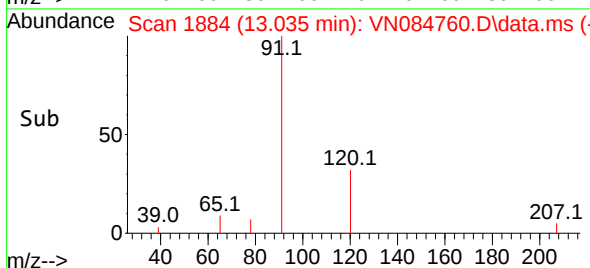
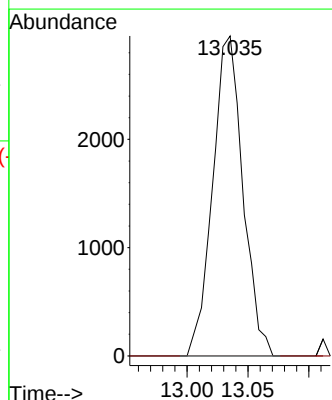
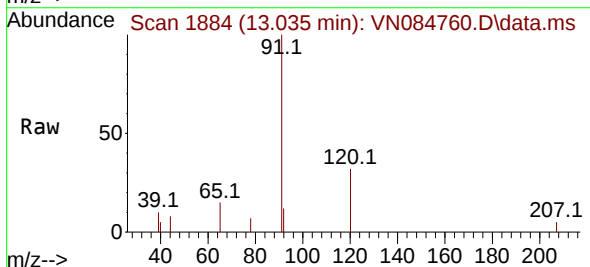
Acq: 08 Nov 2024 19:20

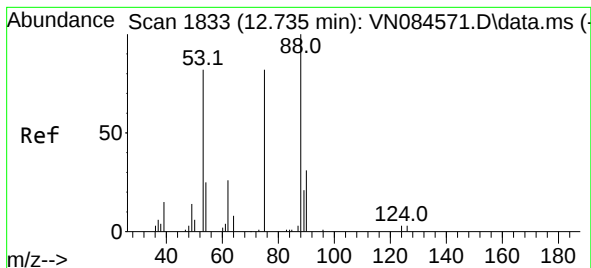
Tgt Ion: 91 Resp: 5101

Ion Ratio Lower Upper

91 100

126 0.0 15.7 47.1#

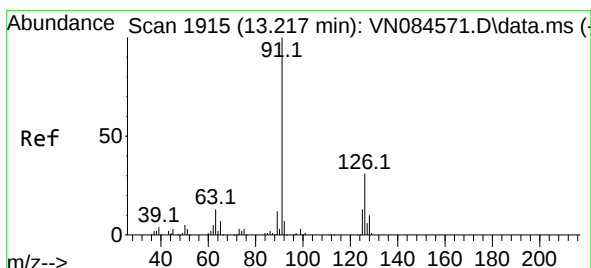
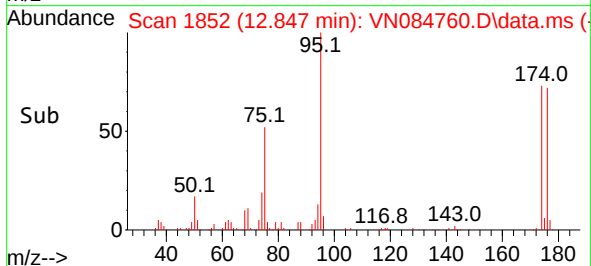
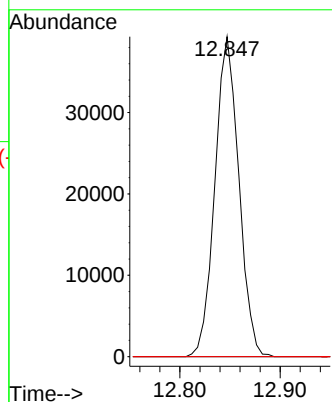
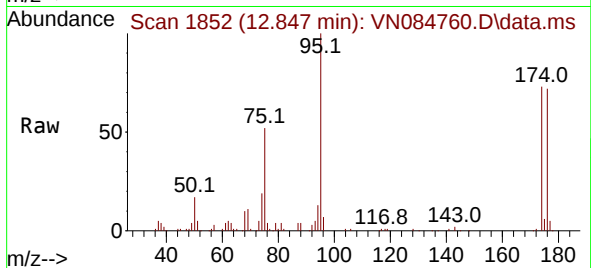




#81
trans-1,4-Dichloro-2-butene
Concen: 68.203 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

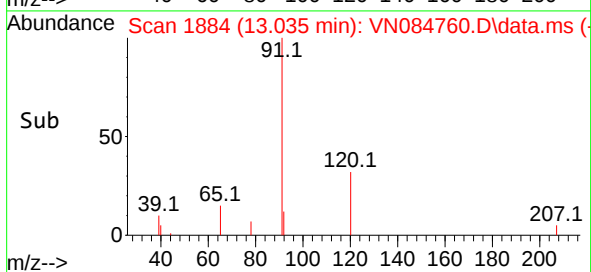
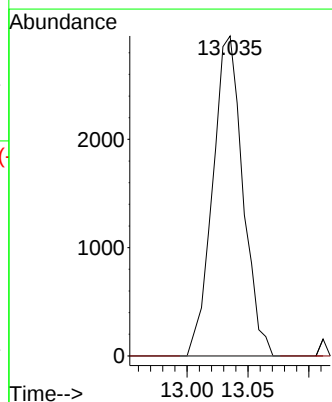
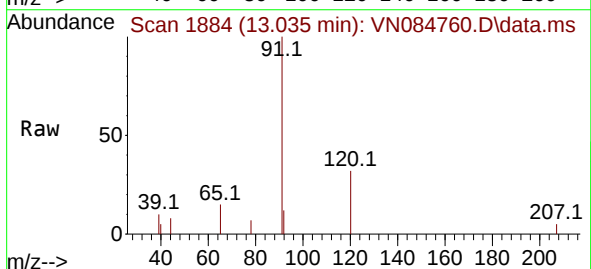
Instrument :
MSVOA_N
ClientSampleId :

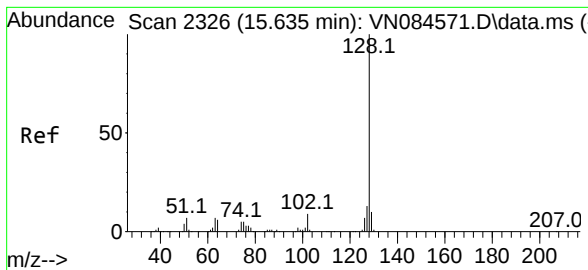
Tgt Ion: 75 Resp: 65188
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#82
4-Chlorotoluene
Concen: 0.796 ug/l
RT: 13.035 min Scan# 1884
Delta R.T. -0.182 min
Lab File: VN084760.D
Acq: 08 Nov 2024 19:20

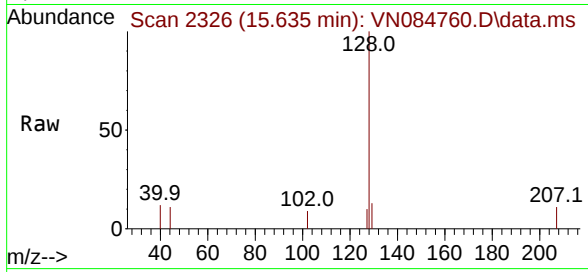
Tgt Ion: 91 Resp: 5101
Ion Ratio Lower Upper
91 100
126 0.0 15.7 47.1#





#95
 Naphthalene
 Concen: 0.582 ug/l
 RT: 15.635 min Scan# 21
 Delta R.T. 0.000 min
 Lab File: VN084760.D
 Acq: 08 Nov 2024 19:20

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:	128	Resp:	3823
Ion	Ratio	Lower	Upper
128	100		
127	6.8	10.5	15.7#
129	7.9	8.7	13.1#

