

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084914.D
 Acq On : 18 Nov 2024 12:51
 Operator : JC\MD
 Sample : VN1118MBL02
 Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:24:25 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)

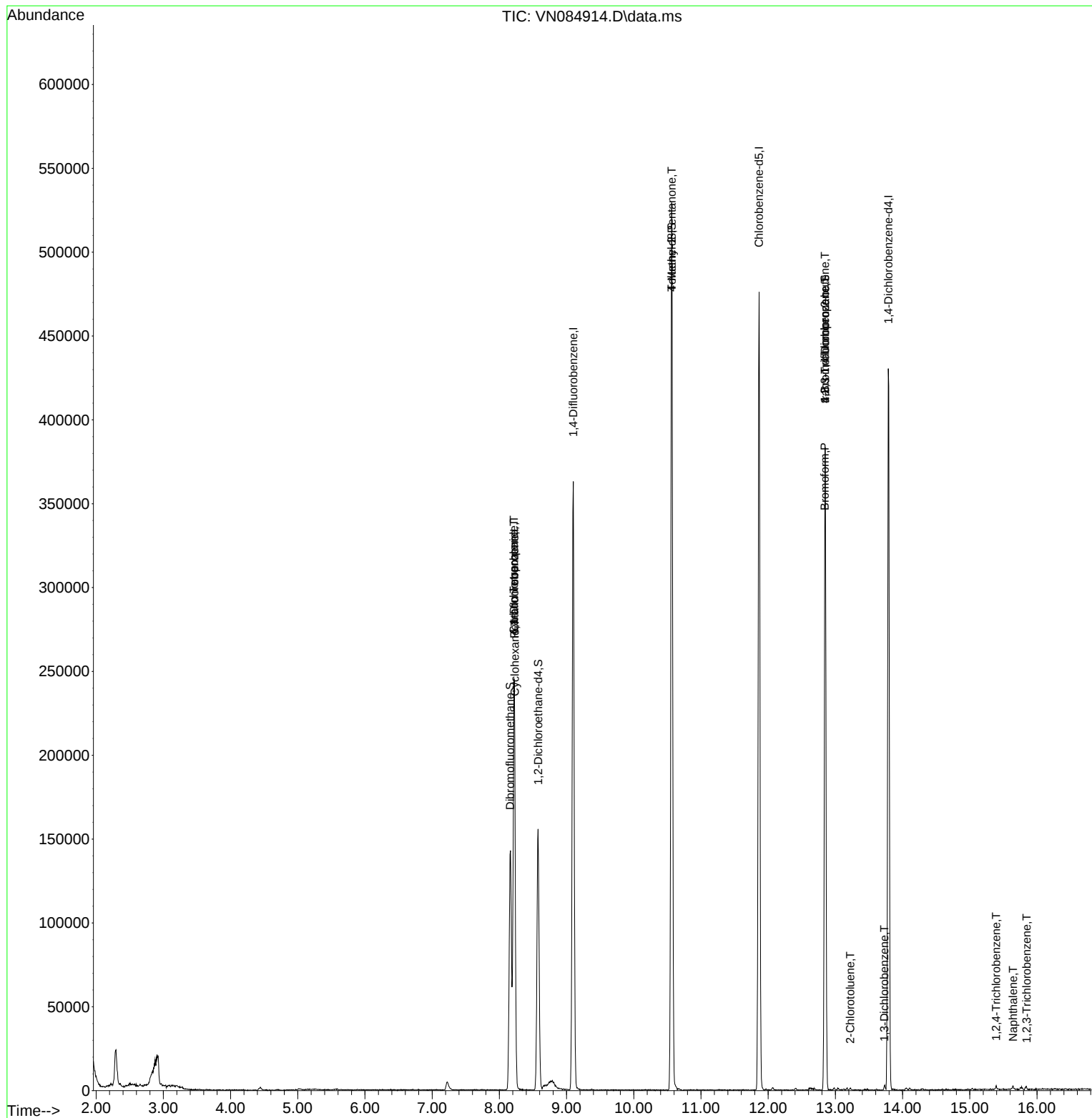
Internal Standards						
1) Pentafluorobenzene	8.224	168	172938	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	306881	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	271747	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	115361	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	129208	51.729	ug/l	0.00
Spiked Amount	50.000	Range 74 - 125	Recovery	= 103.460%		
35) Dibromofluoromethane	8.159	113	104820	50.462	ug/l	0.00
Spiked Amount	50.000	Range 75 - 124	Recovery	= 100.920%		
50) Toluene-d8	10.565	98	358758	46.886	ug/l	0.00
Spiked Amount	50.000	Range 86 - 113	Recovery	= 93.780%		
62) 4-Bromofluorobenzene	12.847	95	134314	46.967	ug/l	0.00
Spiked Amount	50.000	Range 77 - 121	Recovery	= 93.940%		
Target Compounds						
						Qvalue
3) Chloromethane	2.359	50	682	Below Cal		90
6) Chloroethane	3.142	64	209	Below Cal	#	45
16) Acetone	4.447	43	56	Below Cal	#	44
18) Methyl Acetate	5.030	43	1390	Below Cal	#	51
31) Cyclohexane	8.230	56	3733	1.083	ug/l #	22
36) 1,1-Dichloropropene	8.218	75	14870	5.162	ug/l #	49
38) Carbon Tetrachloride	8.218	117	18784	5.833	ug/l #	17
43) Isopropyl Acetate	8.688	43	2629	Below Cal	#	56
51) 4-Methyl-2-Pentanone	10.565	43	1566	0.628	ug/l #	1
71) Bromoform	12.841	173	338	0.212	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	70753	30.682	ug/l #	1
79) 2-Chlorotoluene	13.223	91	1243	0.201	ug/l	95
81) trans-1,4-Dichloro-2-b...	12.847	75	70753	72.790	ug/l #	11
87) 1,3-Dichlorobenzene	13.729	146	1090	0.257	ug/l #	71
88) 1,4-Dichlorobenzene	13.806	146	1480	Below Cal	#	8
93) 1,2,4-Trichlorobenzene	15.394	180	855	0.383	ug/l #	80
95) Naphthalene	15.647	128	2458	0.368	ug/l #	87
96) 1,2,3-Trichlorobenzene	15.847	180	717	0.331	ug/l #	91

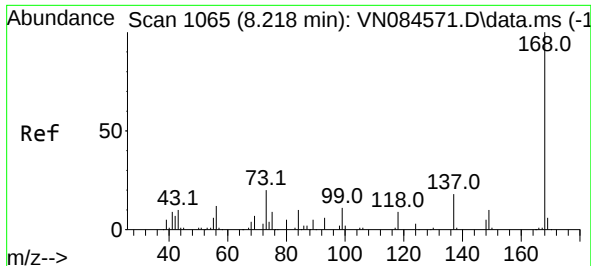
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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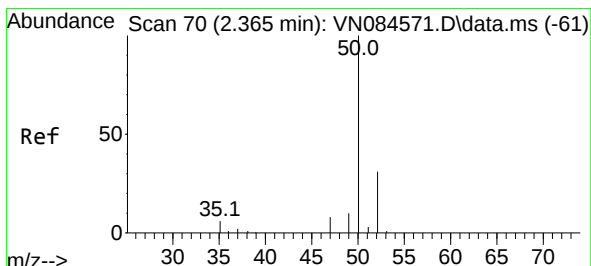
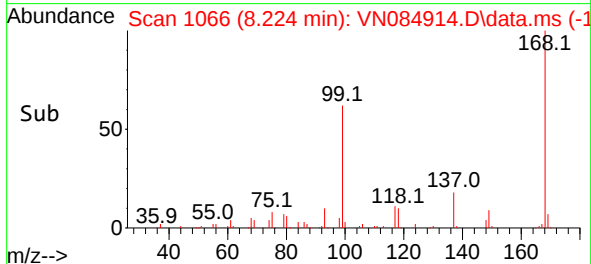
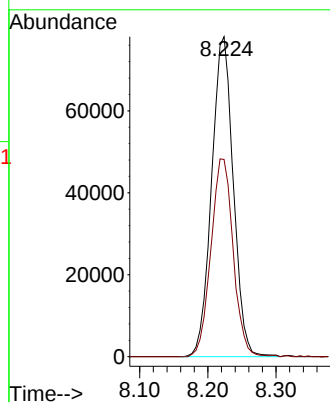
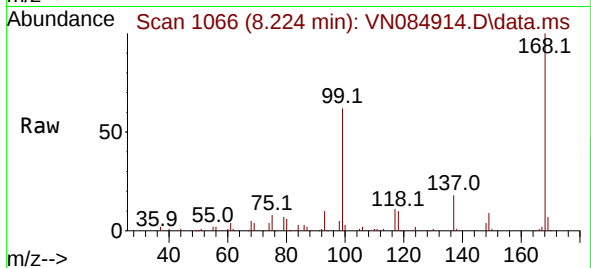




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

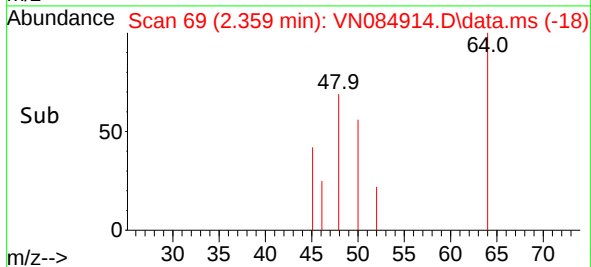
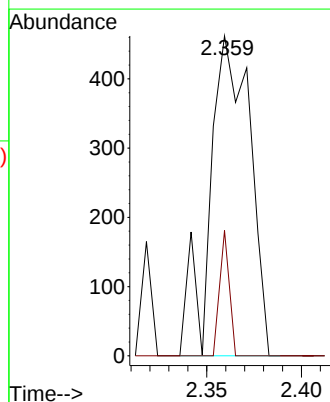
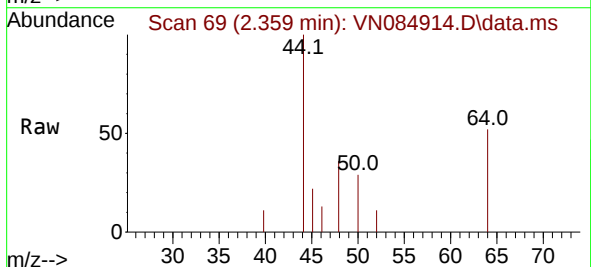
Instrument :
MSVOA_N
ClientSampleId :

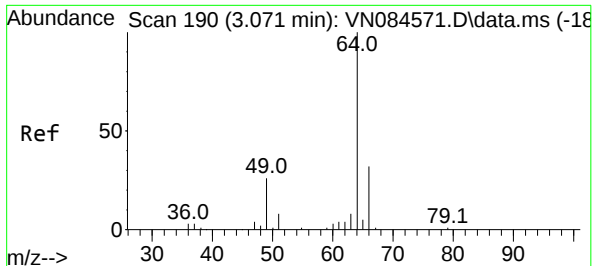
Tgt Ion:168 Resp: 172938
Ion Ratio Lower Upper
168 100
99 61.6 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion: 50 Resp: 682
Ion Ratio Lower Upper
50 100
52 39.2 26.8 40.2

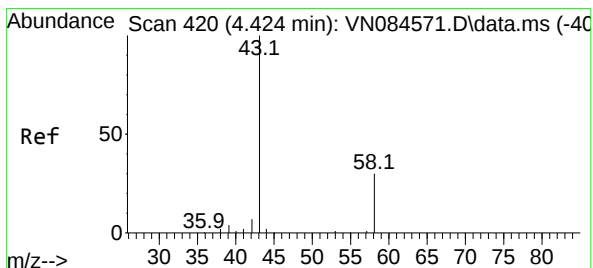
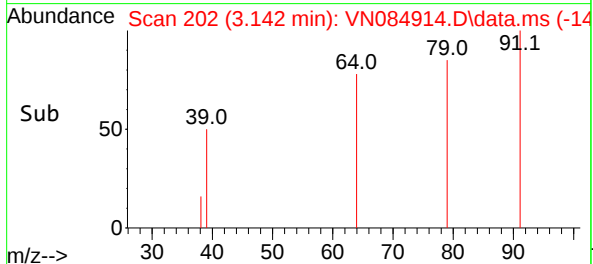
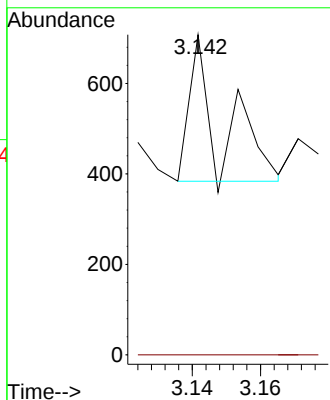
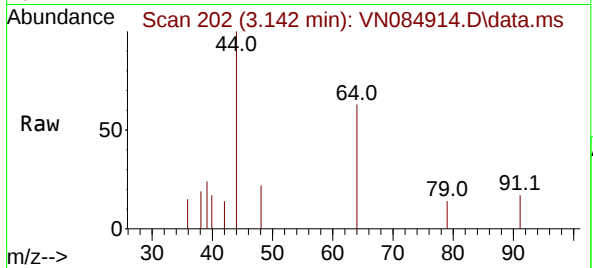




#6
Chloroethane
Concen: Below Cal
RT: 3.142 min Scan# 209
Delta R.T. 0.024 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

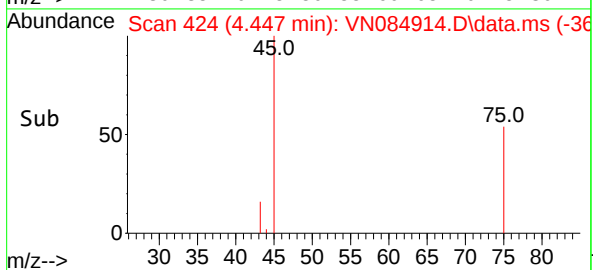
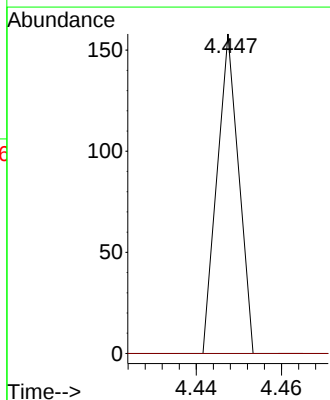
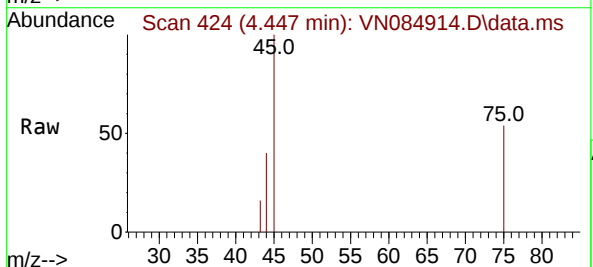
Instrument :
MSVOA_N
ClientSampleId :

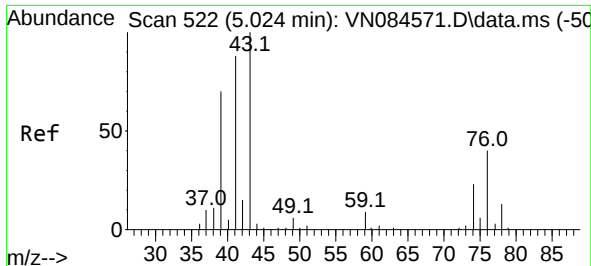
Tgt Ion: 64 Resp: 209
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#16
Acetone
Concen: Below Cal
RT: 4.447 min Scan# 424
Delta R.T. 0.023 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

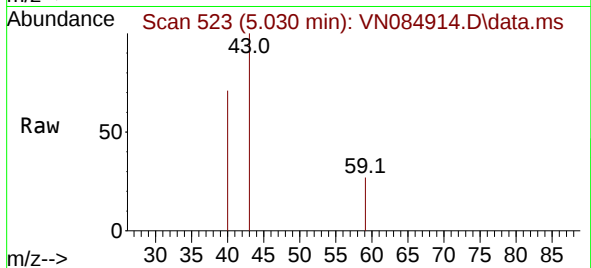
Tgt Ion: 43 Resp: 56
Ion Ratio Lower Upper
43 100
58 0.0 24.4 36.6#



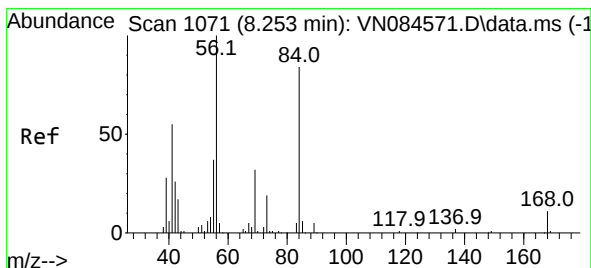
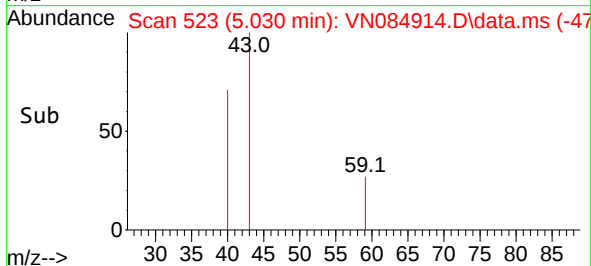
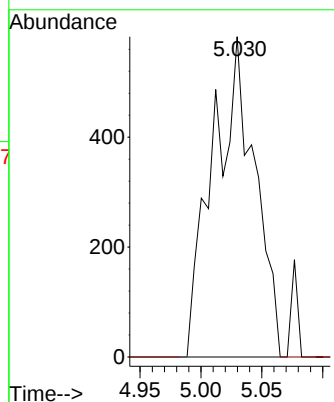


#18
Methyl Acetate
Concen: Below Cal
RT: 5.030 min Scan# 51
Delta R.T. 0.012 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

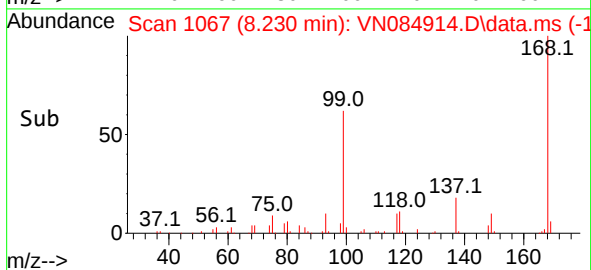
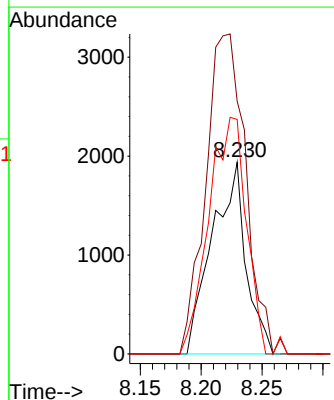
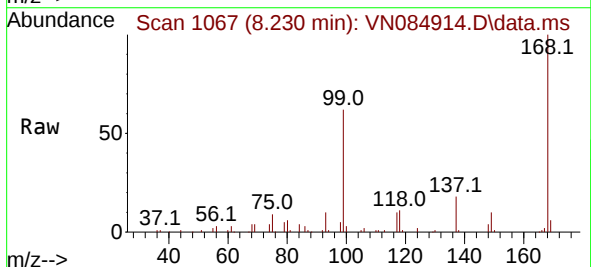


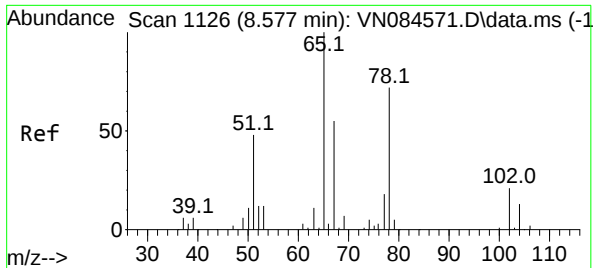
Tgt Ion: 43 Resp: 1390
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.083 ug/l
RT: 8.230 min Scan# 1067
Delta R.T. -0.023 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion: 56 Resp: 3733
Ion Ratio Lower Upper
56 100
69 131.8 23.8 35.6#
84 122.3 68.8 103.2#

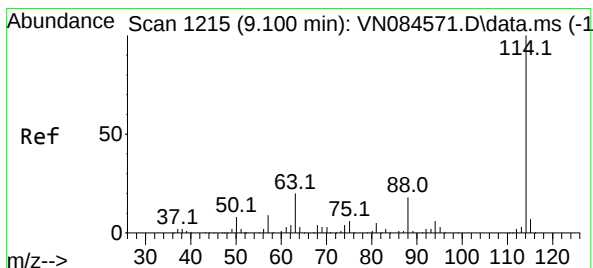
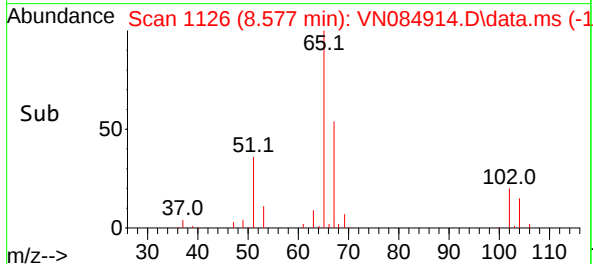
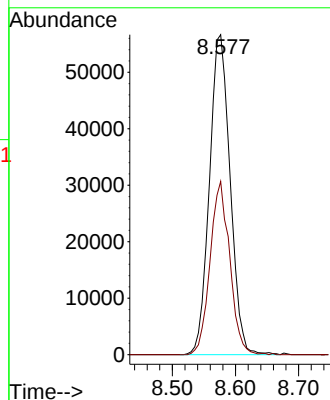
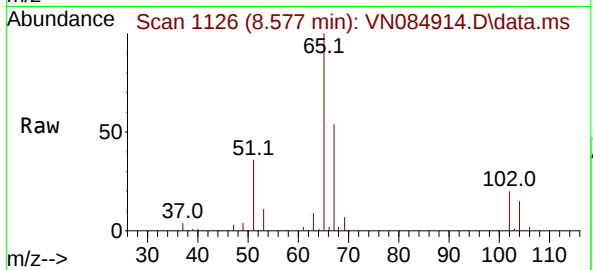




#33
 1,2-Dichloroethane-d4
 Concen: 51.729 ug/l
 RT: 8.577 min Scan# 1126
 Delta R.T. -0.000 min
 Lab File: VN084914.D
 Acq: 18 Nov 2024 12:51

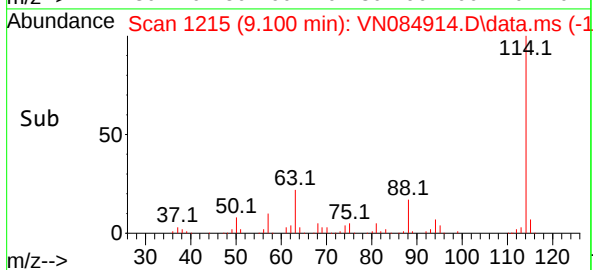
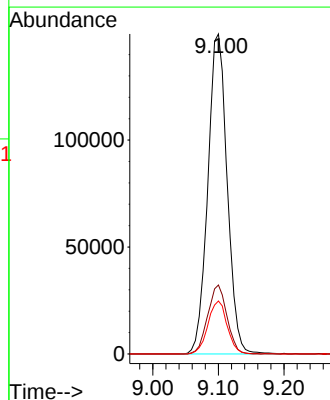
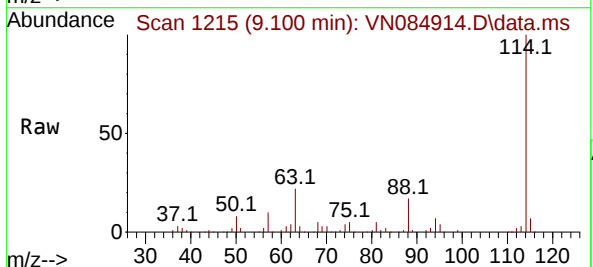
Instrument :
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 ClientSampleId :

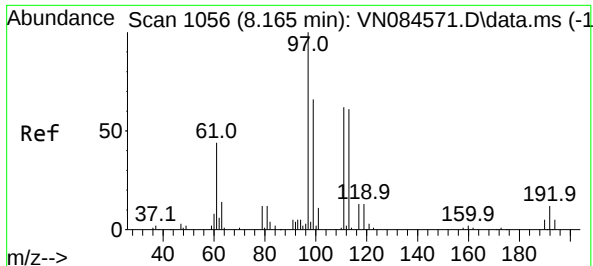
Tgt Ion: 65 Resp: 129208
 Ion Ratio Lower Upper
 65 100
 67 51.4 0.0 102.0



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 9.100 min Scan# 1215
 Delta R.T. 0.000 min
 Lab File: VN084914.D
 Acq: 18 Nov 2024 12:51

Tgt Ion: 114 Resp: 306881
 Ion Ratio Lower Upper
 114 100
 63 21.5 0.0 43.8
 88 16.5 0.0 31.6





#35

Dibromofluoromethane

Concen: 50.462 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

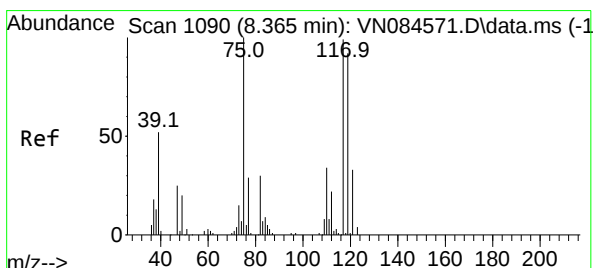
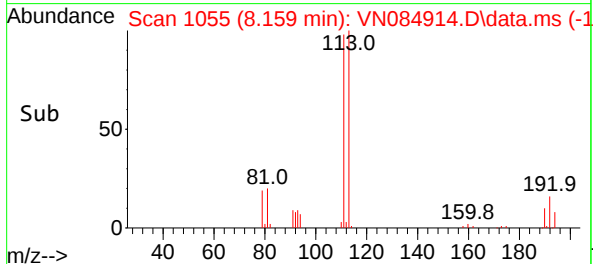
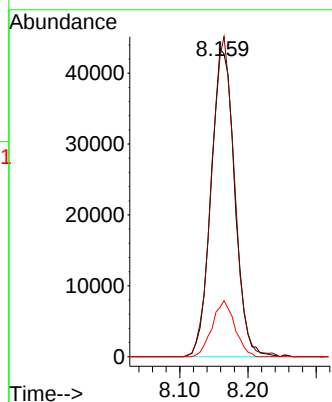
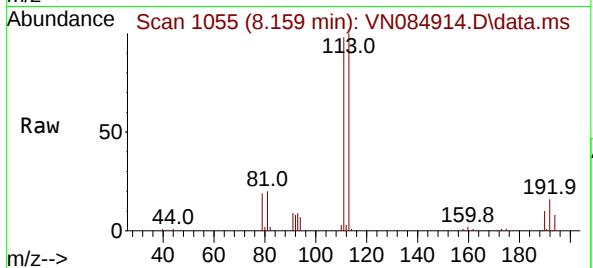
Tgt Ion:113 Resp: 104820

Ion Ratio Lower Upper

113 100

111 101.4 83.3 124.9

192 17.4 13.5 20.3



#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

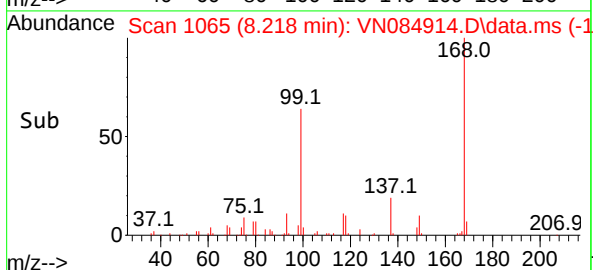
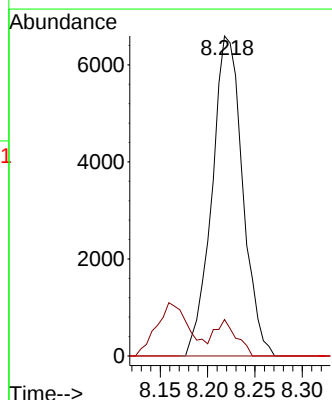
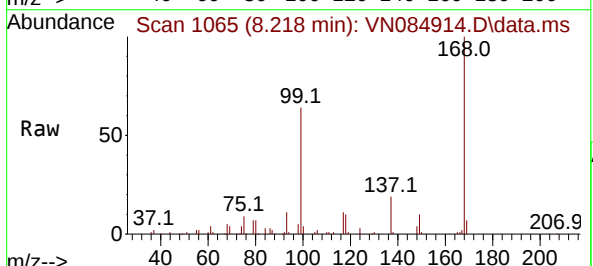
Tgt Ion: 75 Resp: 14870

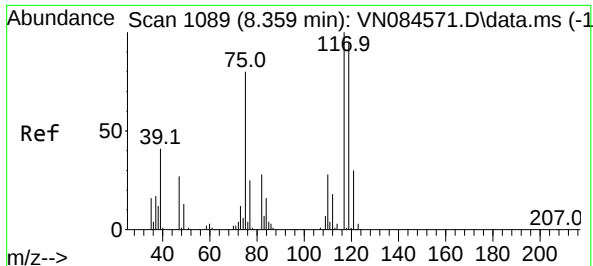
Ion Ratio Lower Upper

75 100

110 7.9 16.9 50.7#

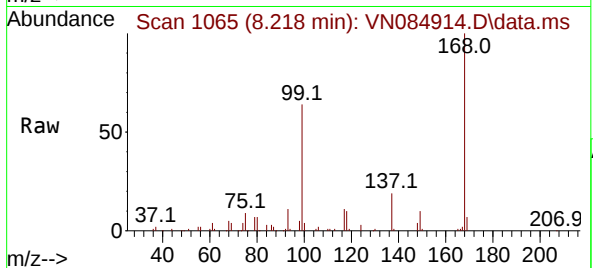
77 0.0 24.7 37.1#



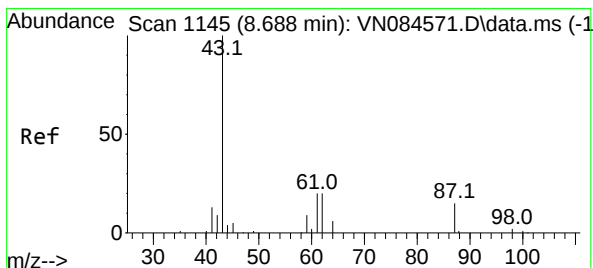
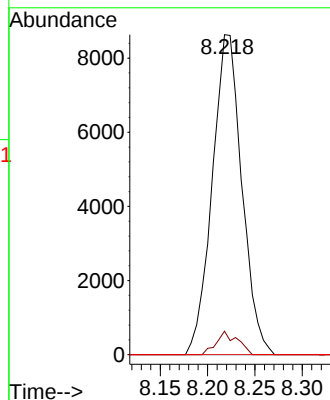
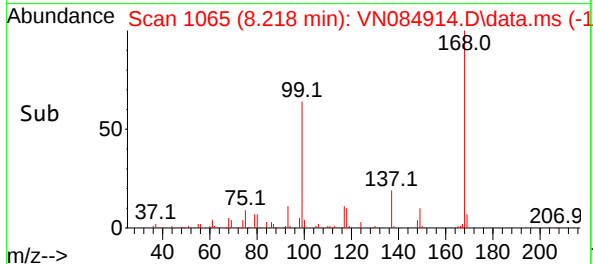


#38
Carbon Tetrachloride
Concen: 5.833 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Instrument :
MSVOA_N
ClientSampleId :

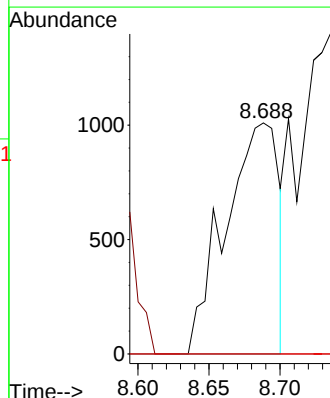
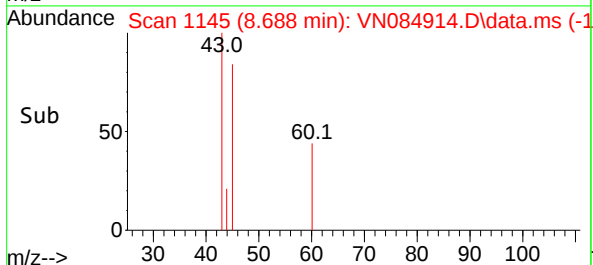
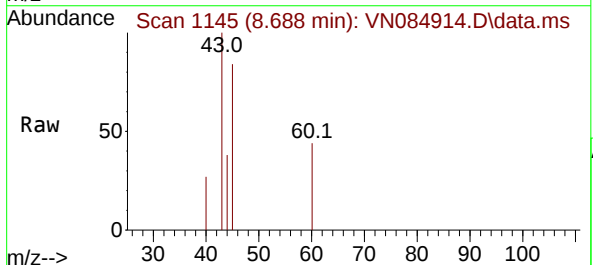


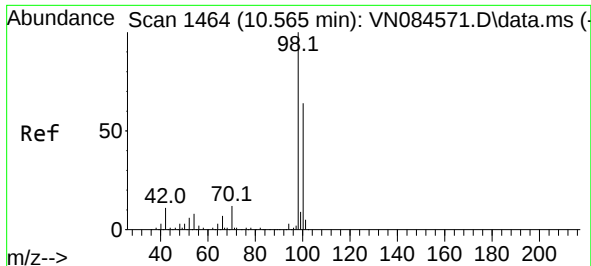
Tgt Ion:117 Resp: 18784
Ion Ratio Lower Upper
117 100
119 7.4 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion: 43 Resp: 2629
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#

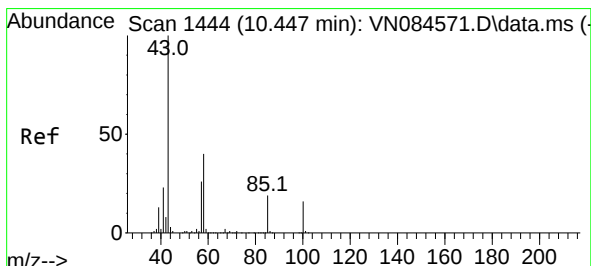
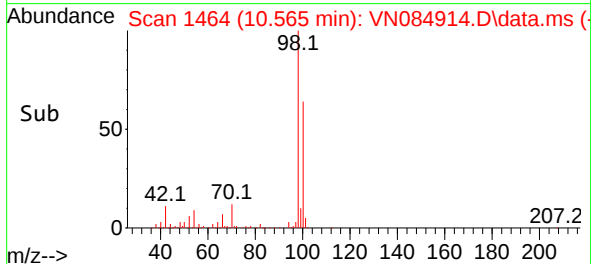
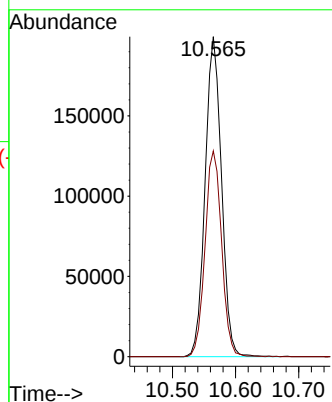
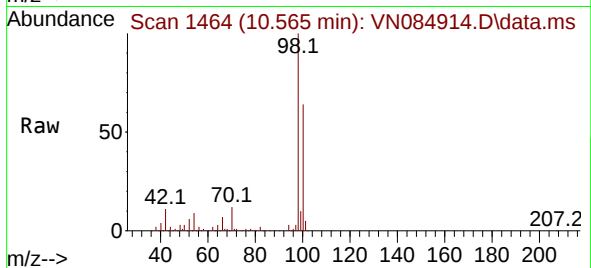




#50
Toluene-d8
Concen: 46.886 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

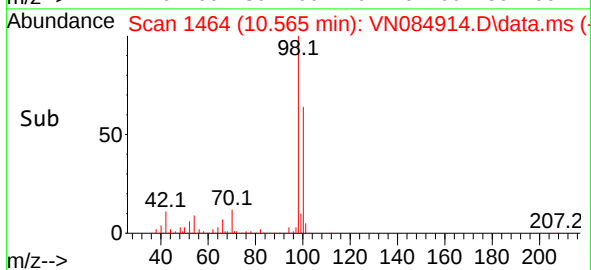
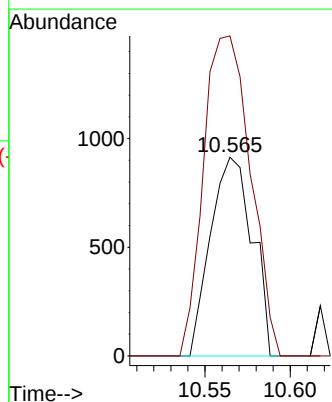
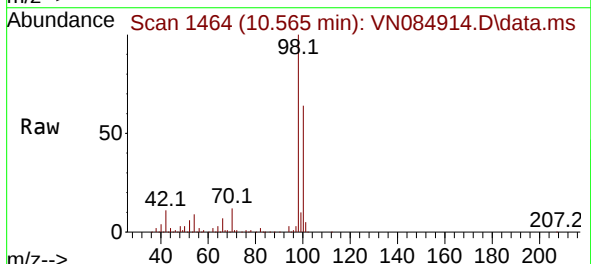
Instrument :
MSVOA_N
ClientSampleId :

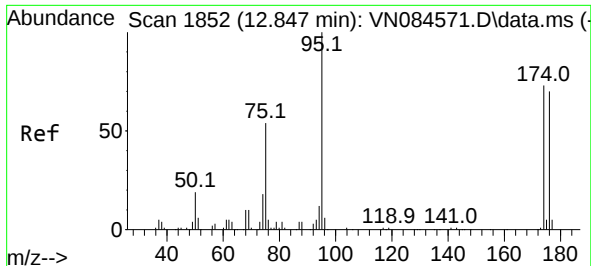
Tgt Ion: 98 Resp: 358758
Ion Ratio Lower Upper
98 100
100 65.0 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 0.628 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.123 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion: 43 Resp: 1566
Ion Ratio Lower Upper
43 100
58 180.3 31.6 47.4#





#62

4-Bromofluorobenzene

Concen: 46.967 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.000 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

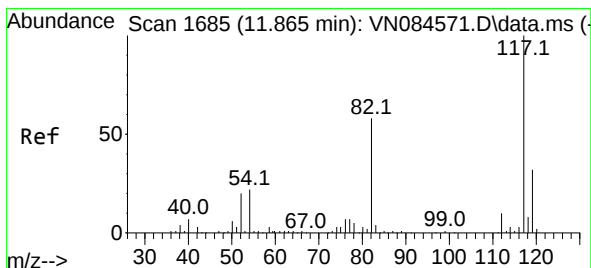
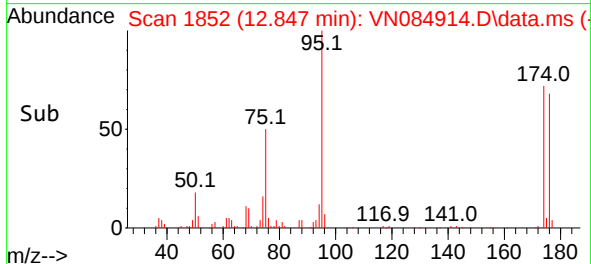
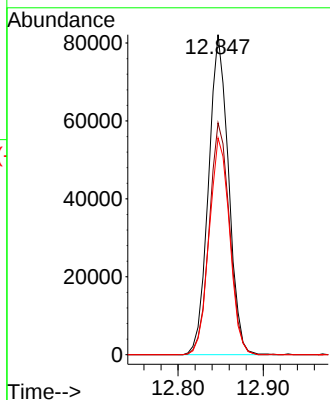
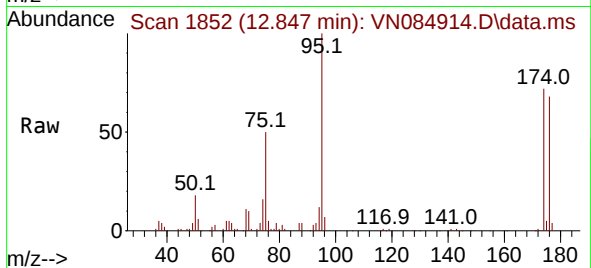
Tgt Ion: 95 Resp: 134314

Ion Ratio Lower Upper

95 100

174 73.6 0.0 145.2

176 69.1 0.0 140.0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.865 min Scan# 1685

Delta R.T. -0.000 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

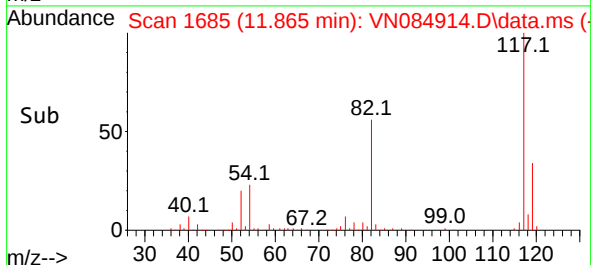
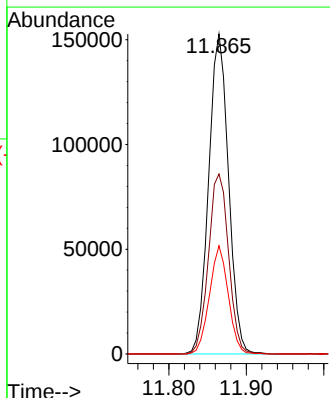
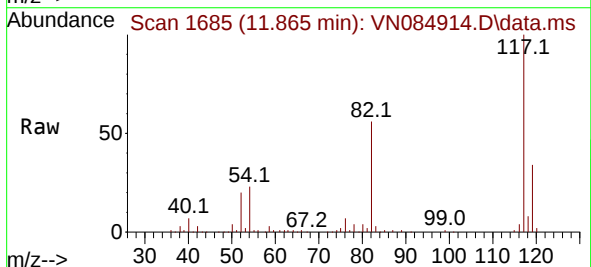
Tgt Ion: 117 Resp: 271747

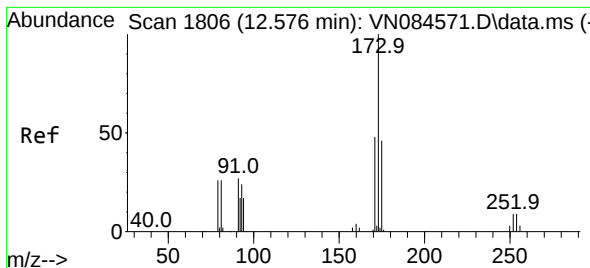
Ion Ratio Lower Upper

117 100

82 56.2 47.2 70.8

119 33.8 25.4 38.0





#71

Bromoform

Concen: 0.212 ug/l

RT: 12.841 min Scan# 11

Delta R.T. 0.265 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

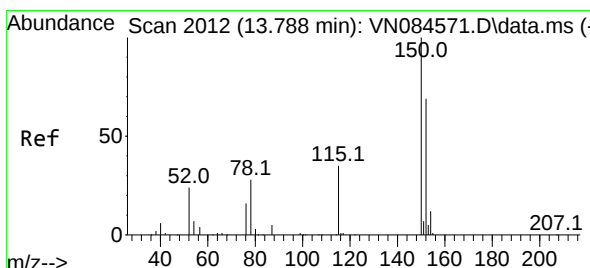
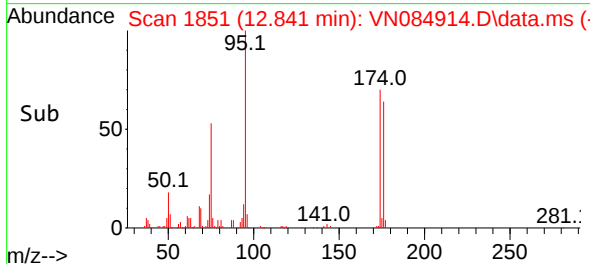
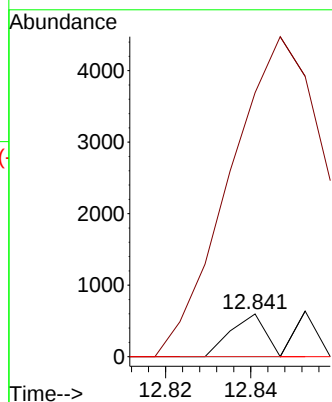
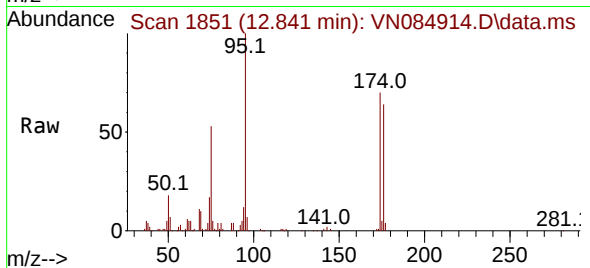
Tgt Ion:173 Resp: 338

Ion Ratio Lower Upper

173 100

175 1720.1 23.5 70.6#

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. 0.000 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

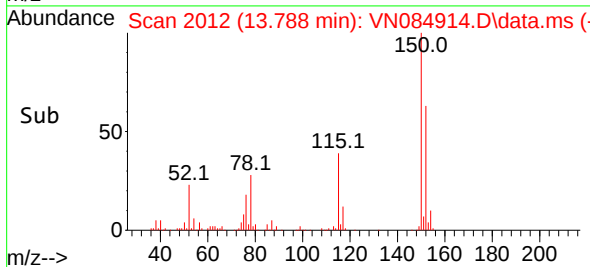
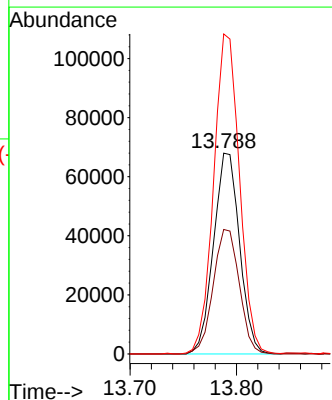
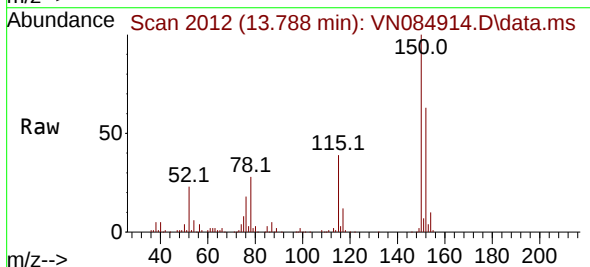
Tgt Ion:152 Resp: 115361

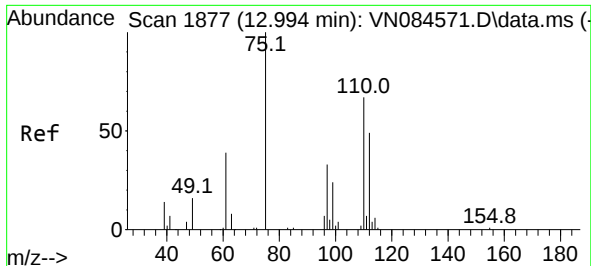
Ion Ratio Lower Upper

152 100

115 62.1 31.3 93.9

150 158.2 0.0 349.8

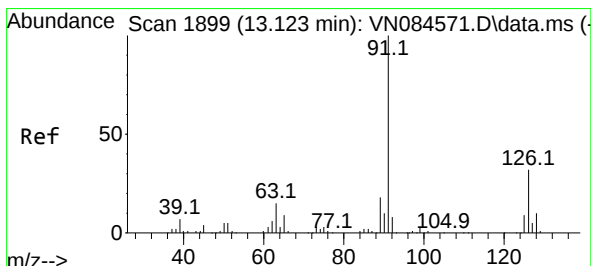
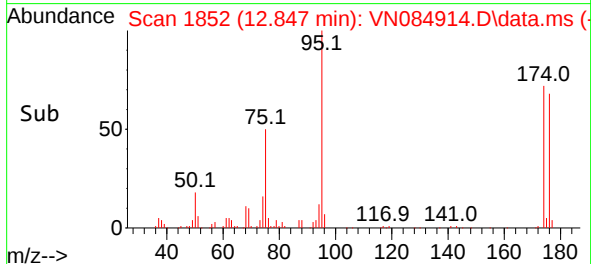
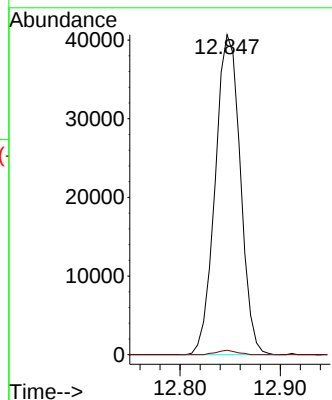
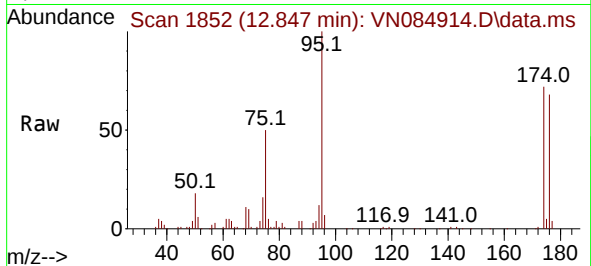




#76
1,2,3-Trichloropropane
Concen: 30.682 ug/l
RT: 12.847 min Scan# 11
Delta R.T. -0.141 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

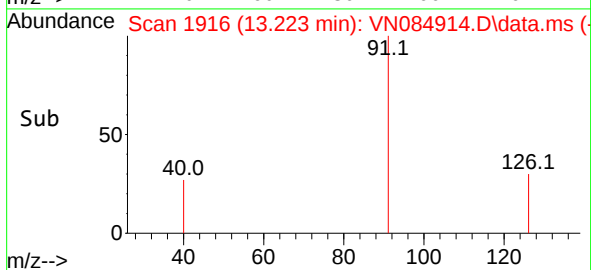
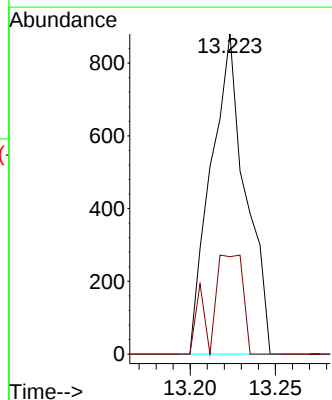
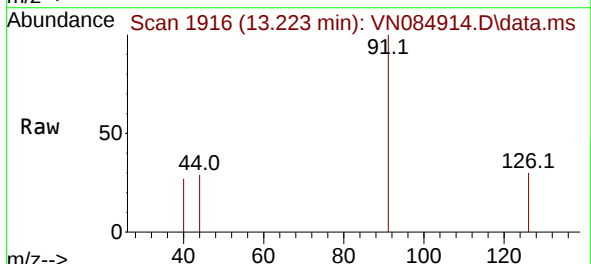
Instrument :
MSVOA_N
ClientSampleId :

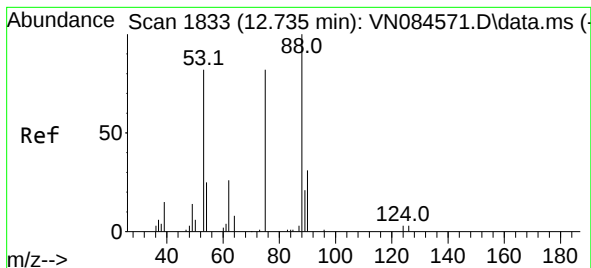
Tgt Ion: 75 Resp: 70753
Ion Ratio Lower Upper
75 100
77 1.1 96.9 290.7#



#79
2-Chlorotoluene
Concen: 0.201 ug/l
RT: 13.223 min Scan# 1916
Delta R.T. 0.100 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion: 91 Resp: 1243
Ion Ratio Lower Upper
91 100
126 28.6 15.7 47.1

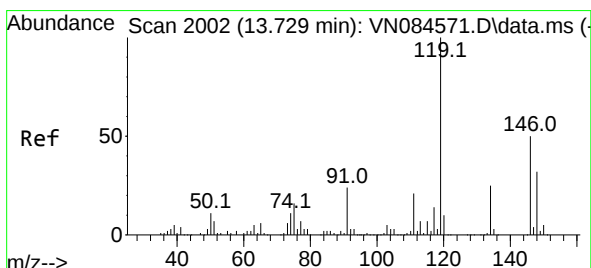
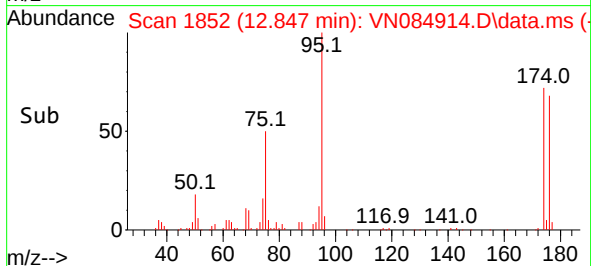
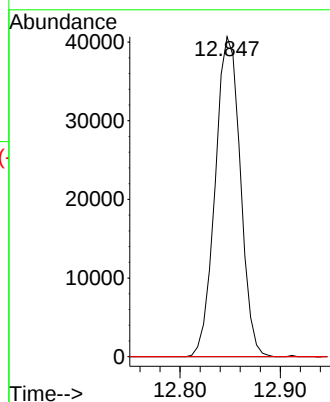
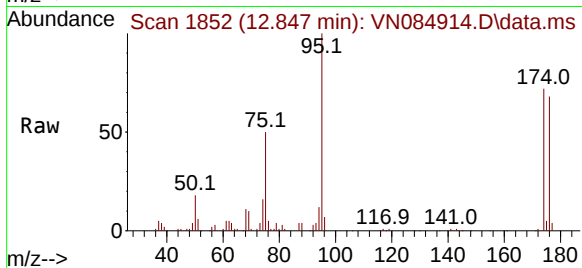




#81
trans-1,4-Dichloro-2-butene
Concen: 72.790 ug/l
RT: 12.847 min Scan# 1833
Delta R.T. 0.112 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

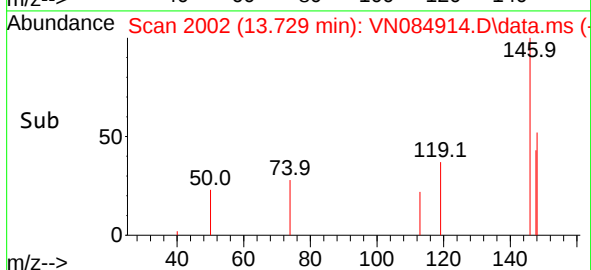
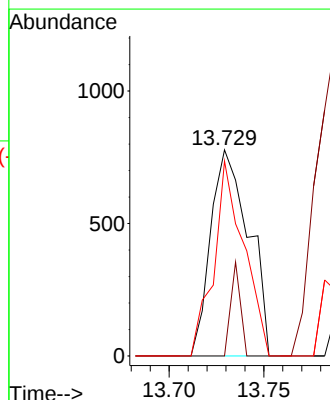
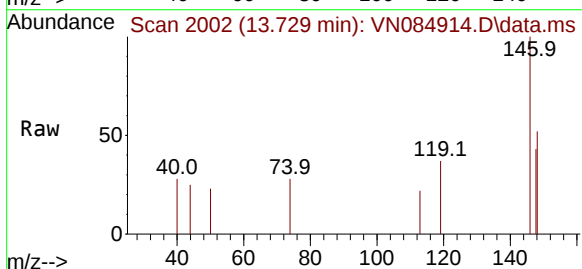
Instrument :
MSVOA_N
ClientSampleId :

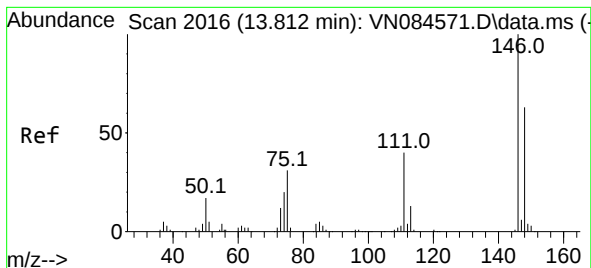
Tgt Ion: 75 Resp: 70753
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#87
1,3-Dichlorobenzene
Concen: 0.257 ug/l
RT: 13.729 min Scan# 2002
Delta R.T. 0.000 min
Lab File: VN084914.D
Acq: 18 Nov 2024 12:51

Tgt Ion:146 Resp: 1090
Ion Ratio Lower Upper
146 100
111 11.5 21.8 65.3#
148 74.8 31.9 95.7





#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.806 min Scan# 2016

Delta R.T. -0.006 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

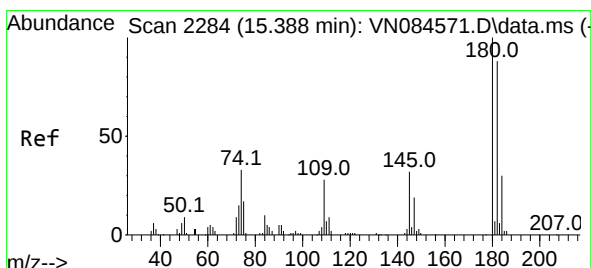
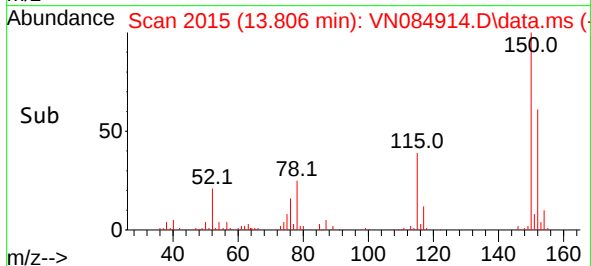
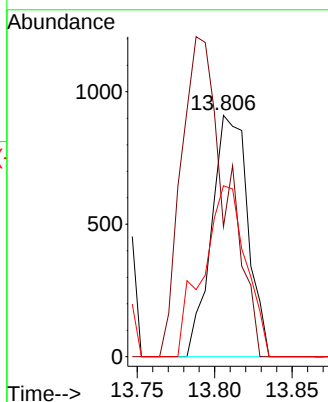
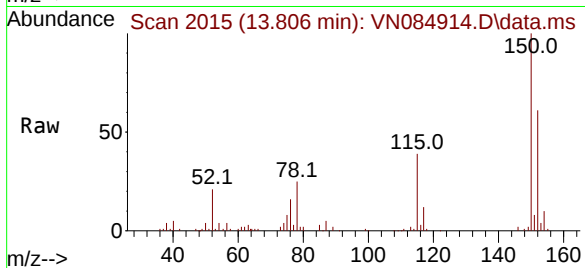
Tgt Ion:146 Resp: 1480

Ion Ratio Lower Upper

146 100

111 164.0 21.2 63.6#

148 84.2 31.9 95.9



#93

1,2,4-Trichlorobenzene

Concen: 0.383 ug/l

RT: 15.394 min Scan# 2285

Delta R.T. 0.006 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

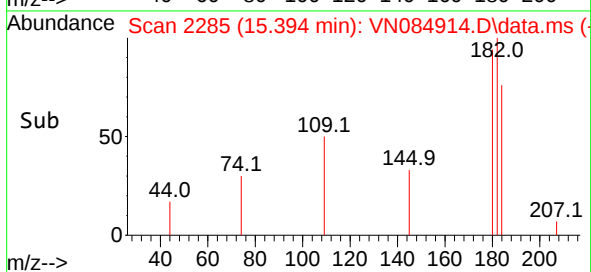
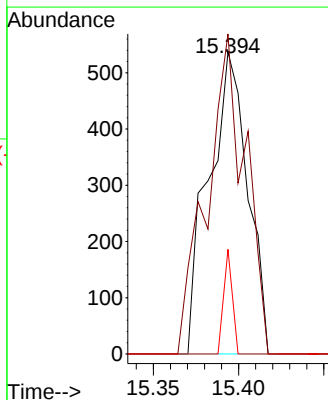
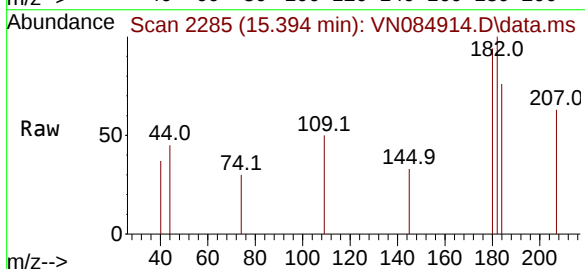
Tgt Ion:180 Resp: 855

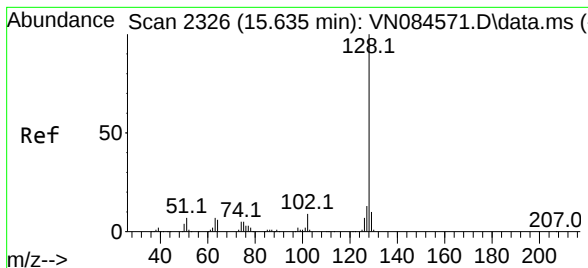
Ion Ratio Lower Upper

180 100

182 104.4 47.0 141.0

145 7.7 16.4 49.4#





#95

Naphthalene

Concen: 0.368 ug/l

RT: 15.647 min Scan# 21

Delta R.T. 0.012 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Instrument :

MSVOA_N

ClientSampleId :

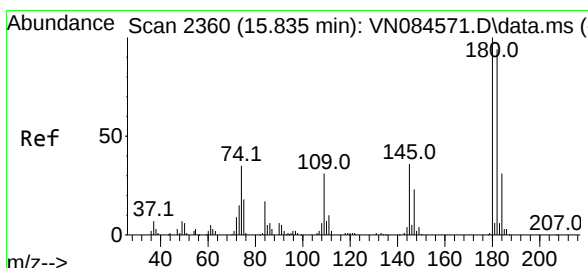
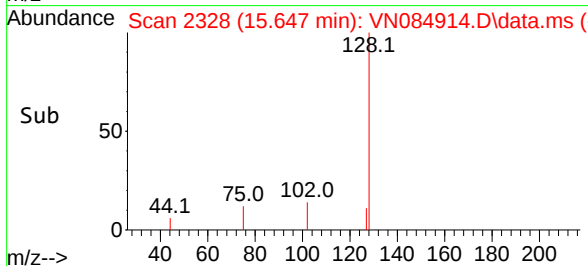
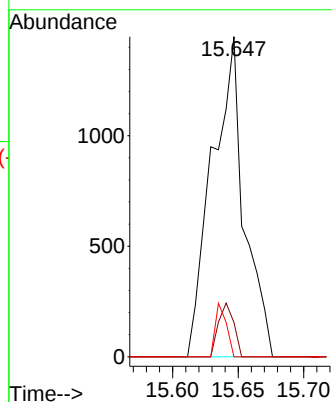
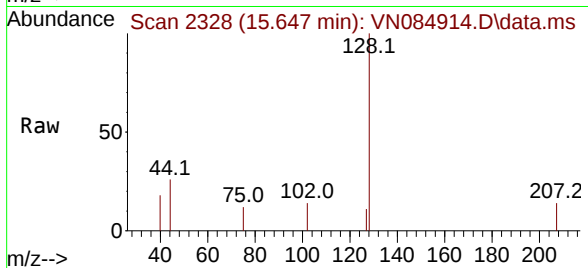
Tgt Ion:128 Resp: 2458

Ion Ratio Lower Upper

128 100

127 8.0 10.5 15.7#

129 5.7 8.7 13.1#



#96

1,2,3-Trichlorobenzene

Concen: 0.331 ug/l

RT: 15.847 min Scan# 2362

Delta R.T. 0.012 min

Lab File: VN084914.D

Acq: 18 Nov 2024 12:51

Tgt Ion:180 Resp: 717

Ion Ratio Lower Upper

180 100

182 96.2 48.2 144.6

145 54.3 17.3 51.9#

