

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111924\
 Data File : VN084943.D
 Acq On : 19 Nov 2024 13:41
 Operator : JC\MD
 Sample : P4845-04DL 5X
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 20 00:28:05 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)

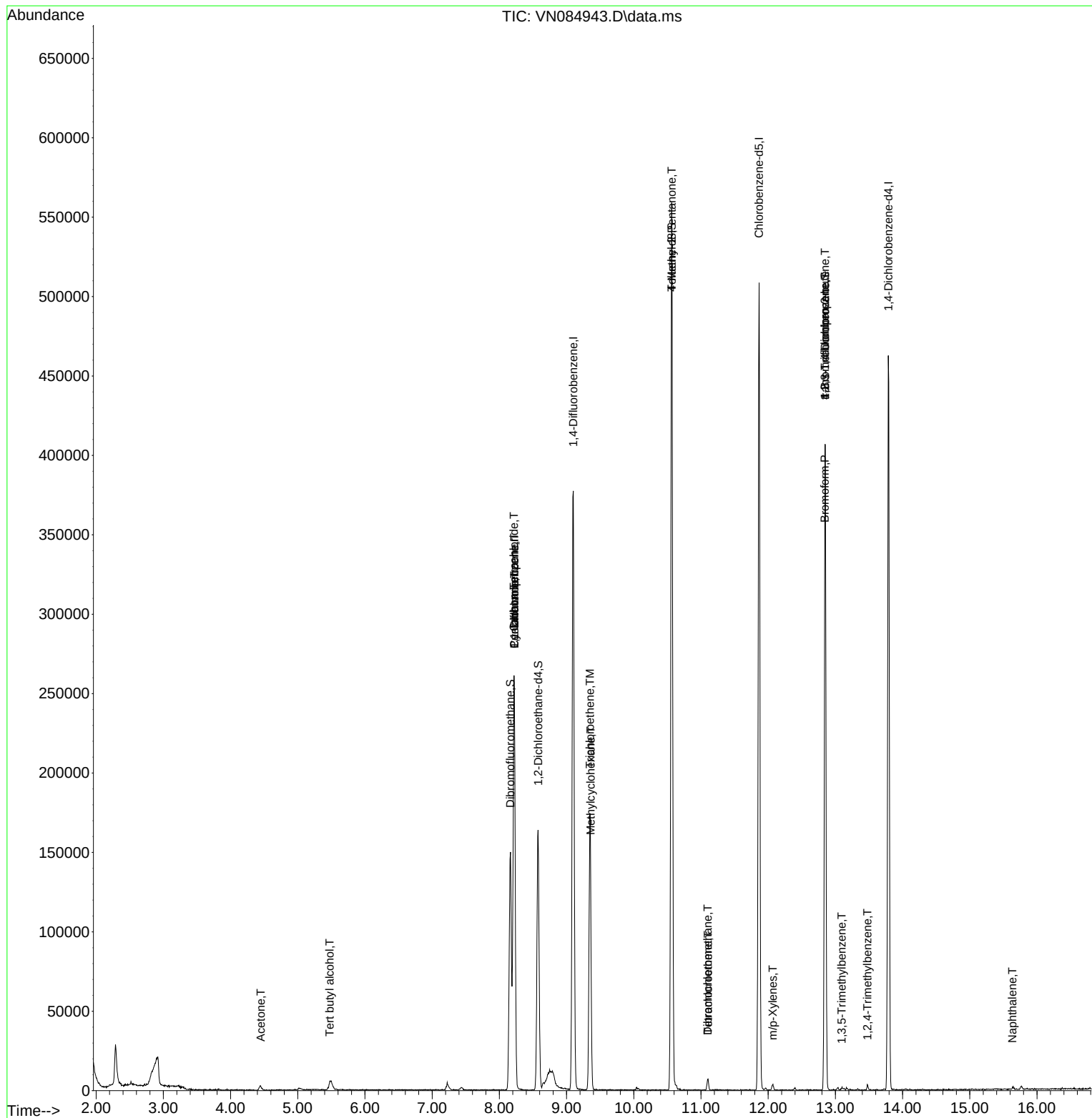
Internal Standards						
1) Pentafluorobenzene	8.224	168	185321	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	330213	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	288531	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	124157	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	136208	50.887	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery = 101.780%			
35) Dibromofluoromethane	8.165	113	107837	48.246	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery = 96.500%			
50) Toluene-d8	10.565	98	382722	46.483	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery = 92.960%			
62) 4-Bromofluorobenzene	12.847	95	141731	46.059	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery = 92.120%			
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	719	Below Cal	#	41
6) Chloroethane	3.077	64	234	Below Cal	#	45
11) Tert butyl alcohol	5.477	59	2436	6.895	ug/l #	73
16) Acetone	4.448	43	2603	0.520	ug/l #	83
18) Methyl Acetate	5.018	43	2311	Below Cal	#	63
31) Cyclohexane	8.224	56	4196	1.135	ug/l #	10
36) 1,1-Dichloropropene	8.224	75	16003	5.162	ug/l #	51
38) Carbon Tetrachloride	8.218	117	20161	5.819	ug/l #	15
39) Methylcyclohexane	9.359	83	935	0.296	ug/l #	9
43) Isopropyl Acetate	8.659	43	2894	Below Cal	#	56
44) Trichloroethene	9.347	130	62034	27.020	ug/l	99
51) 4-Methyl-2-Pentanone	10.565	43	1919	0.716	ug/l #	1
60) Dibromochloromethane	11.100	129	1755	0.702	ug/l #	11
64) Tetrachloroethene	11.106	164	1591	0.829	ug/l	91
68) m/p-Xylenes	12.071	106	1229	0.301	ug/l	75
71) Bromoform	12.841	173	696	0.412	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	74276	29.928	ug/l #	1
80) 1,3,5-Trimethylbenzene	13.094	105	1712	0.237	ug/l	71
81) trans-1,4-Dichloro-2-b...	12.847	75	74276	71.001	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.476	105	2000	0.269	ug/l	99
88) 1,4-Dichlorobenzene	13.812	146	474	Below Cal	#	1
95) Naphthalene	15.635	128	1819	0.253	ug/l #	81

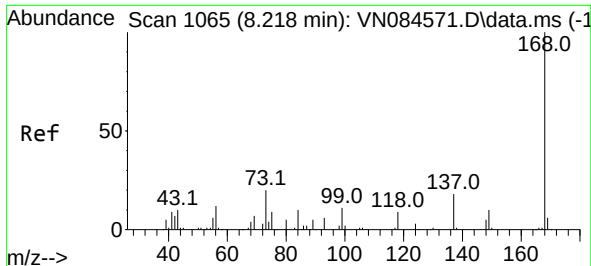
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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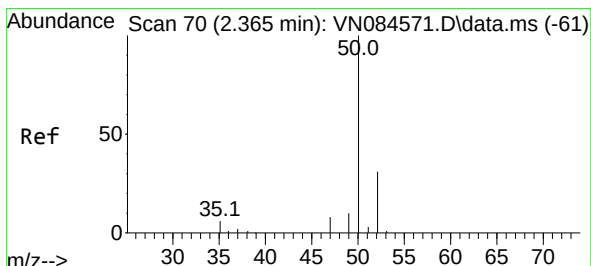
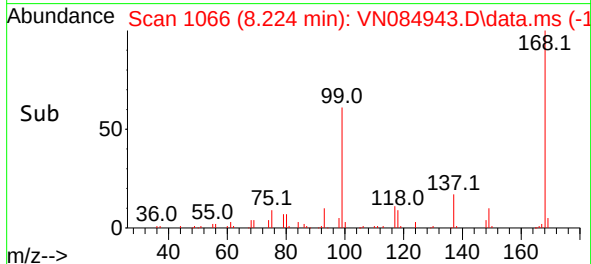
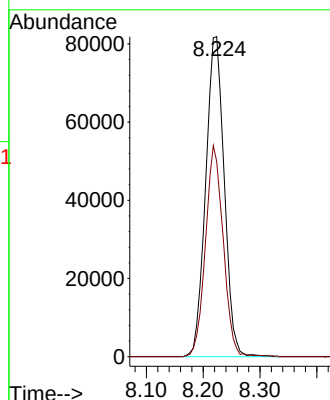
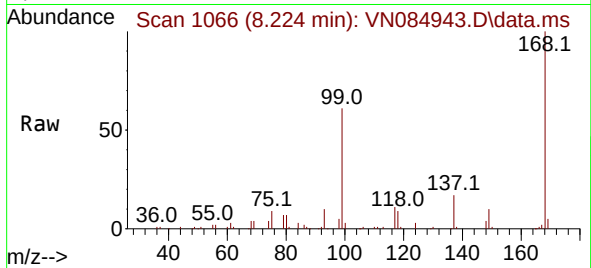




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 10
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

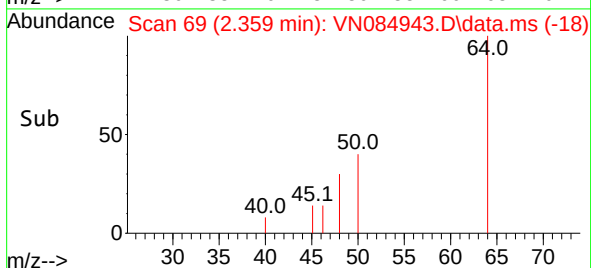
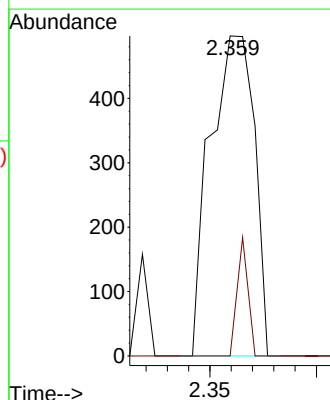
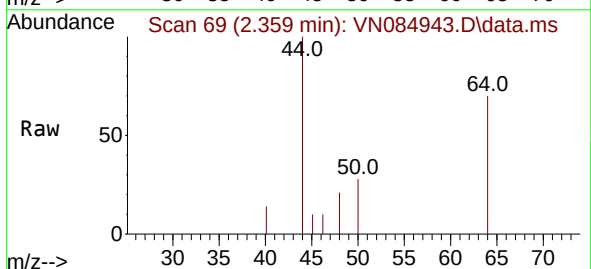
Instrument :
MSVOA_N
ClientSampleId :

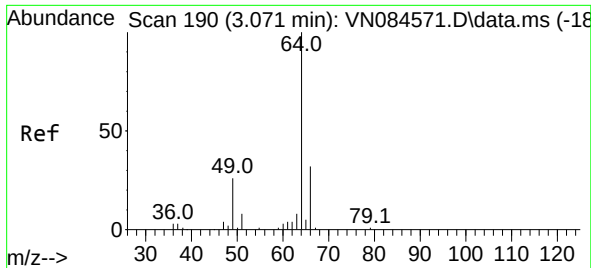
Tgt Ion:168 Resp: 185321
Ion Ratio Lower Upper
168 100
99 61.0 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion: 50 Resp: 719
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

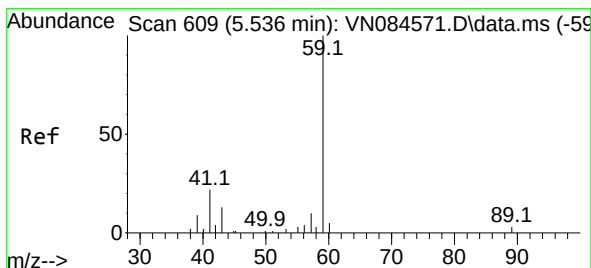
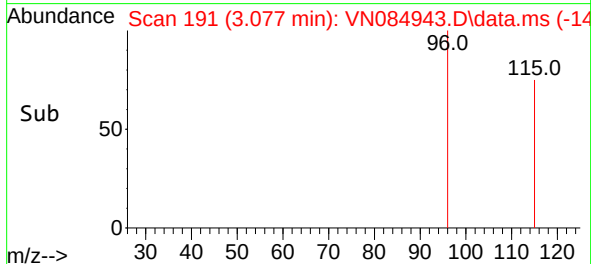
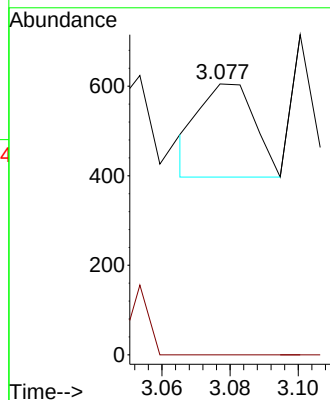
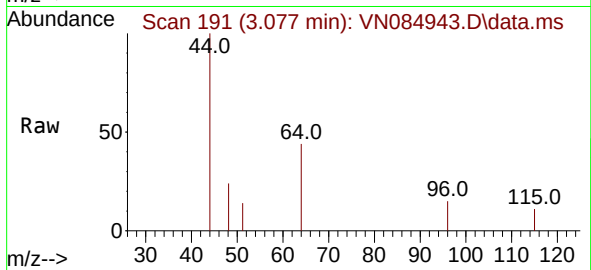




#6
Chloroethane
Concen: Below Cal
RT: 3.077 min Scan# 190
Delta R.T. -0.041 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

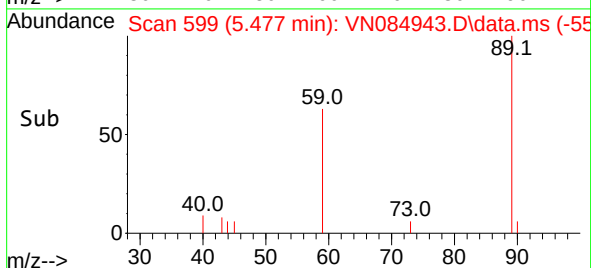
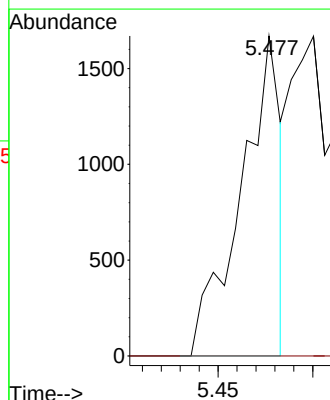
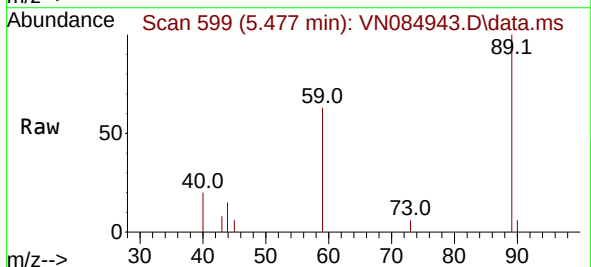
Instrument :
MSVOA_N
ClientSampleId :

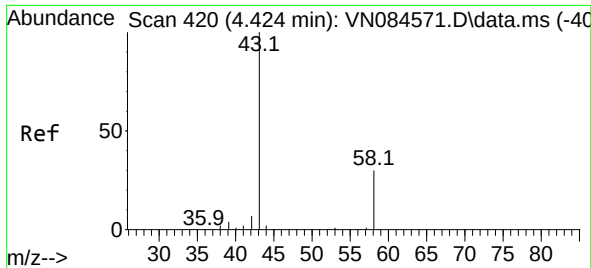
Tgt Ion: 64 Resp: 234
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



#11
Tert butyl alcohol
Concen: 6.895 ug/l
RT: 5.477 min Scan# 599
Delta R.T. -0.047 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion: 59 Resp: 2436
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

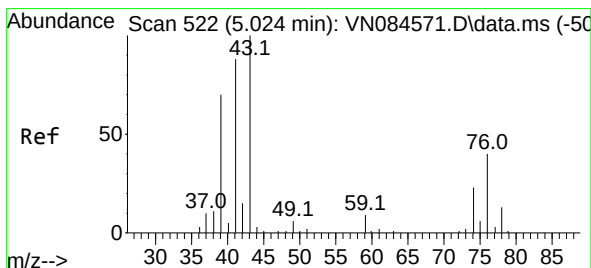
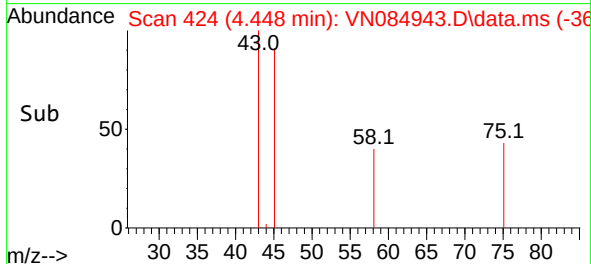
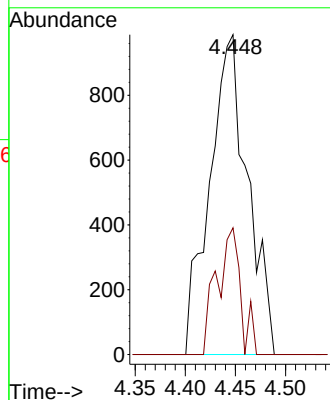
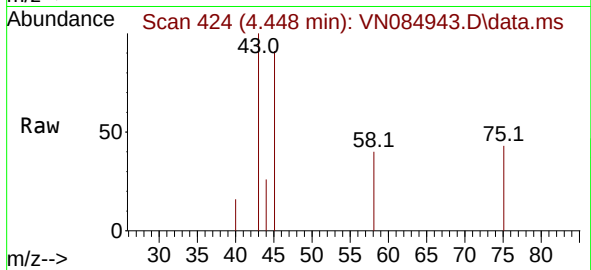




#16
Acetone
Concen: 0.520 ug/l
RT: 4.448 min Scan# 41
Delta R.T. 0.024 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

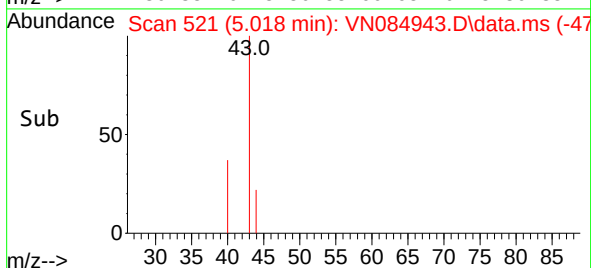
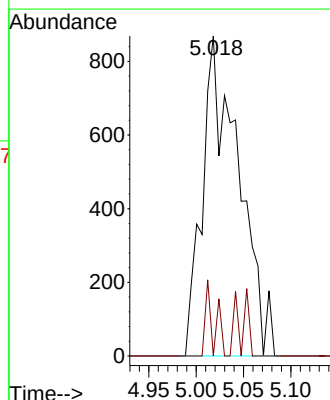
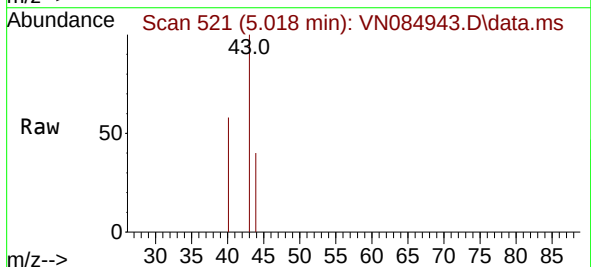
Instrument :
MSVOA_N
ClientSampleId :

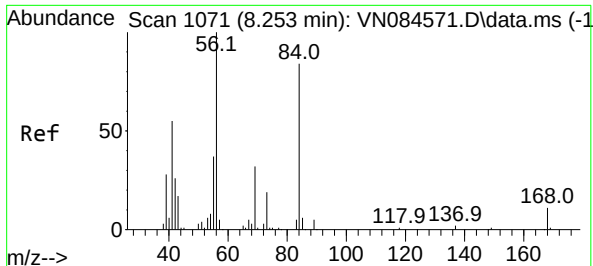
Tgt Ion: 43 Resp: 2603
Ion Ratio Lower Upper
43 100
58 39.6 24.4 36.6#



#18
Methyl Acetate
Concen: Below Cal
RT: 5.018 min Scan# 521
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

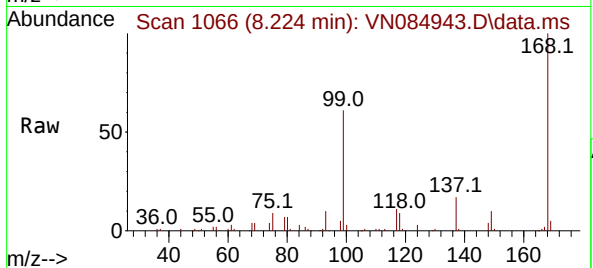
Tgt Ion: 43 Resp: 2311
Ion Ratio Lower Upper
43 100
74 5.5 19.2 28.8#



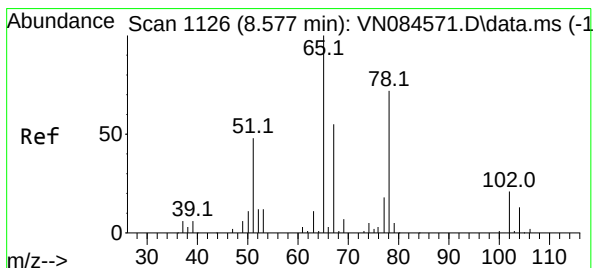
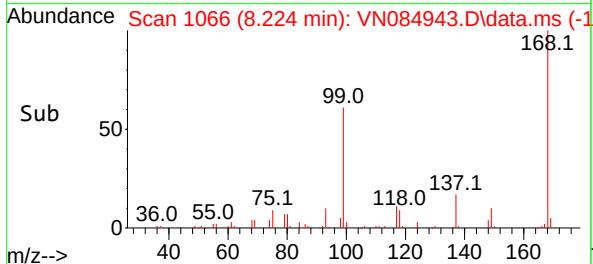
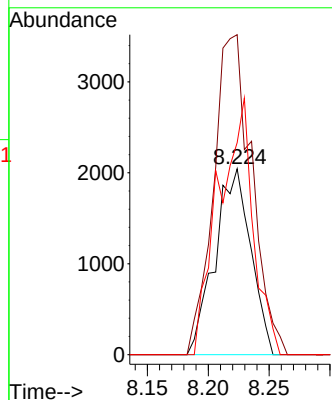


#31
Cyclohexane
Concen: 1.135 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.029 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :

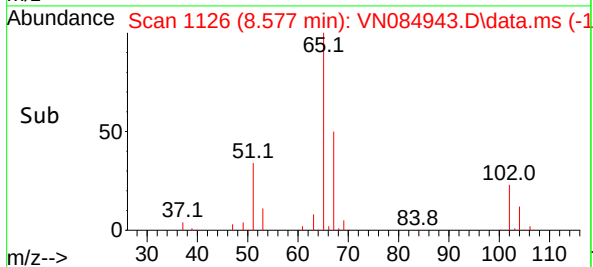
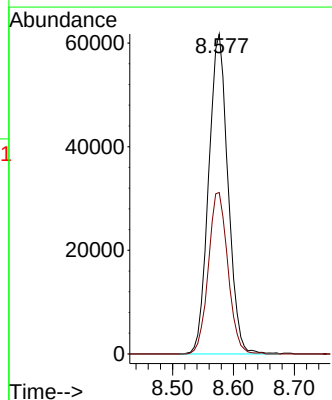
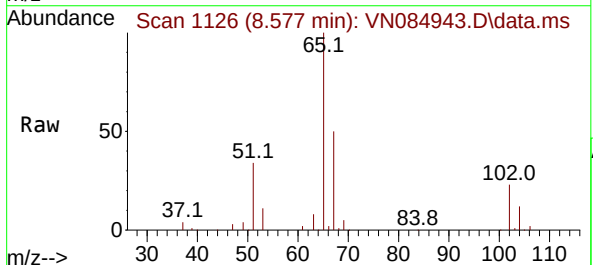


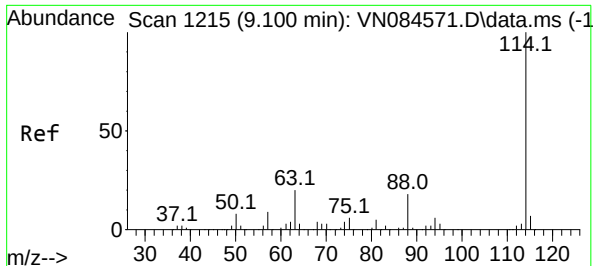
Tgt Ion: 56 Resp: 4196
Ion Ratio Lower Upper
56 100
69 172.1 23.8 35.6#
84 114.0 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.887 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion: 65 Resp: 136208
Ion Ratio Lower Upper
65 100
67 51.0 0.0 102.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 9.100 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :

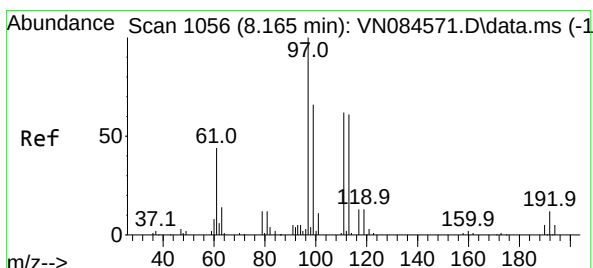
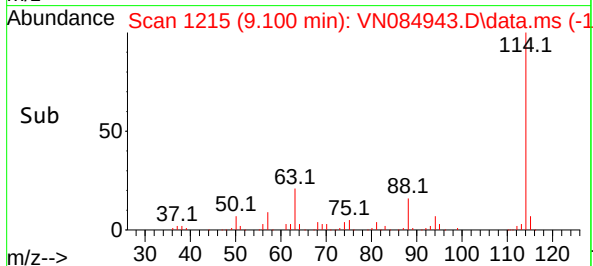
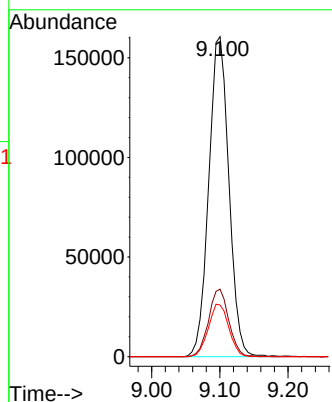
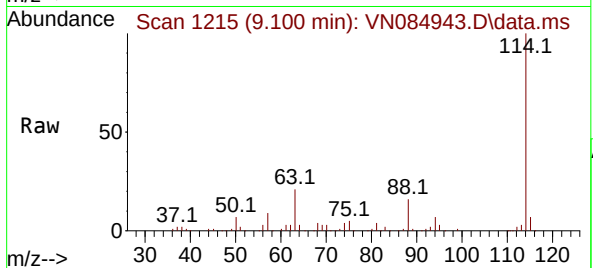
Tgt Ion:114 Resp: 330213

Ion Ratio Lower Upper

114 100

63 21.1 0.0 43.8

88 16.2 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.246 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

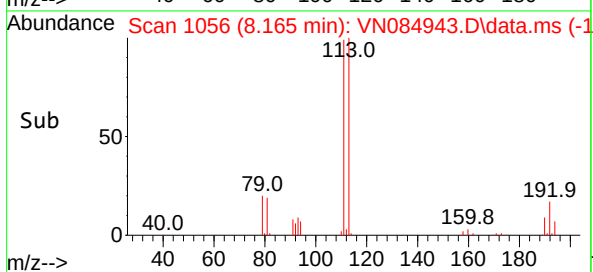
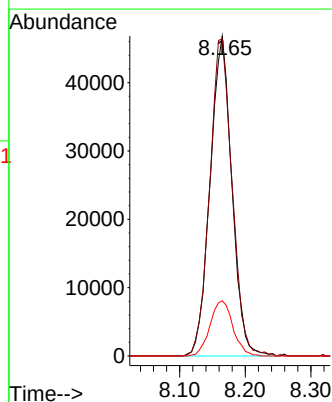
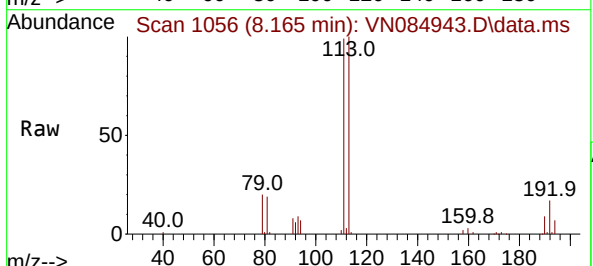
Tgt Ion:113 Resp: 107837

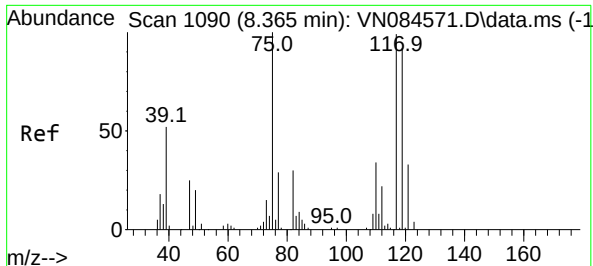
Ion Ratio Lower Upper

113 100

111 102.0 83.3 124.9

192 18.1 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.162 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :

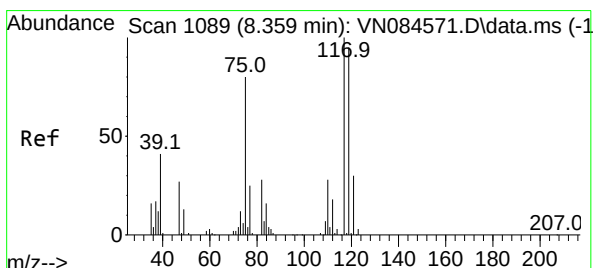
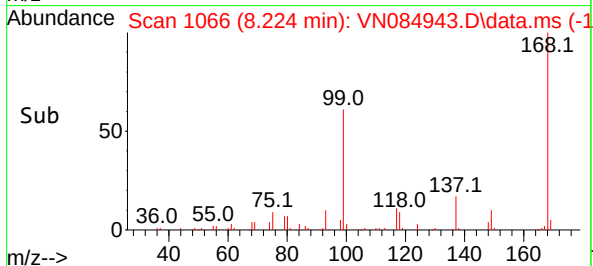
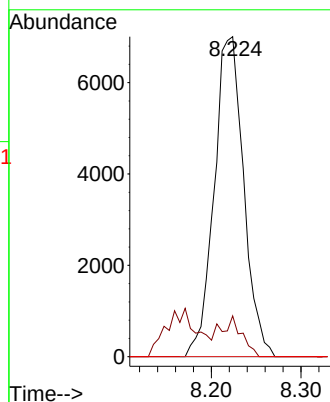
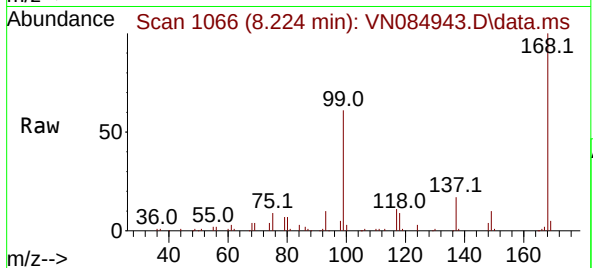
Tgt Ion: 75 Resp: 16003

Ion Ratio Lower Upper

75 100

110 9.1 16.9 50.7#

77 0.0 24.7 37.1#



#38

Carbon Tetrachloride

Concen: 5.819 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

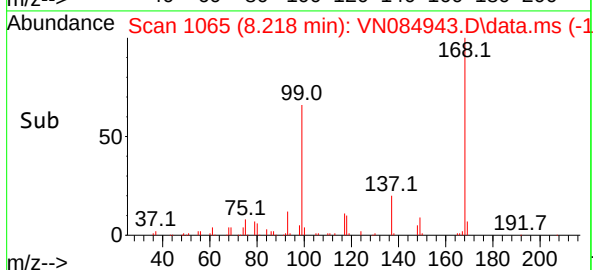
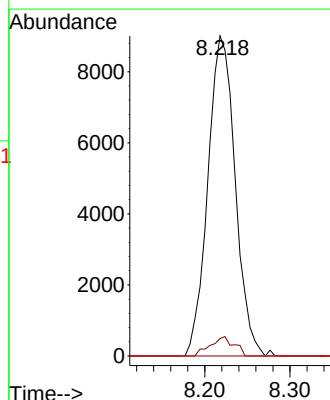
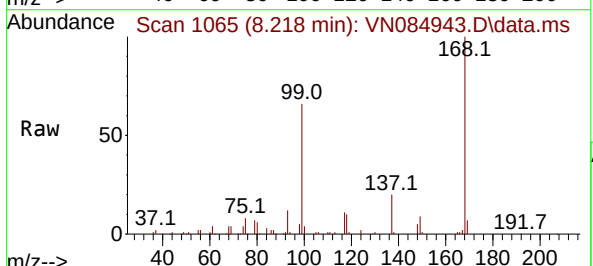
Tgt Ion: 117 Resp: 20161

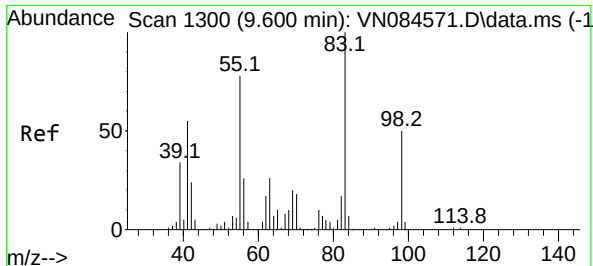
Ion Ratio Lower Upper

117 100

119 5.4 78.7 118.1#

121 0.0 24.4 36.6#





#39

Methylcyclohexane

Concen: 0.296 ug/l

RT: 9.359 min Scan# 11

Delta R.T. -0.241 min

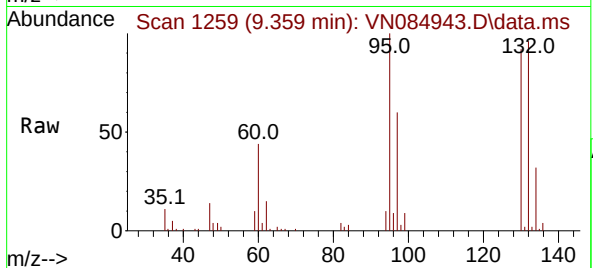
Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

ClientSampleId :



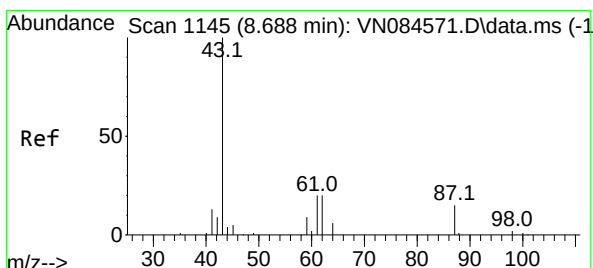
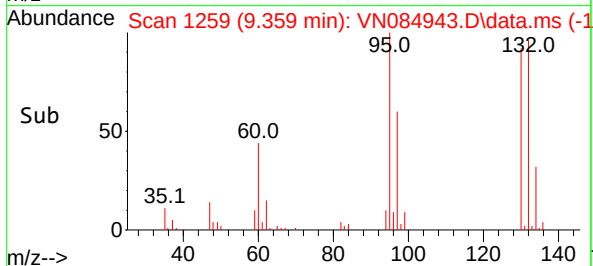
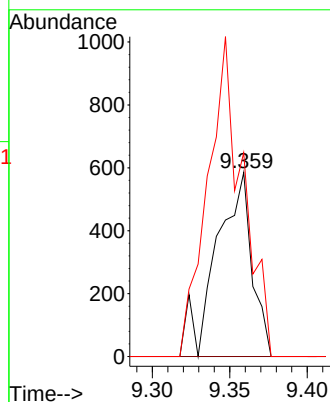
Tgt Ion: 83 Resp: 935

Ion Ratio Lower Upper

83 100

55 0.0 62.8 94.2#

98 110.8 38.8 58.2#



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.659 min Scan# 1140

Delta R.T. -0.029 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

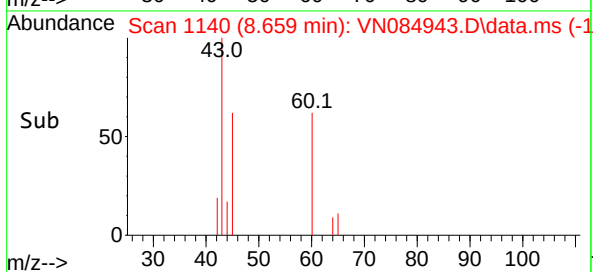
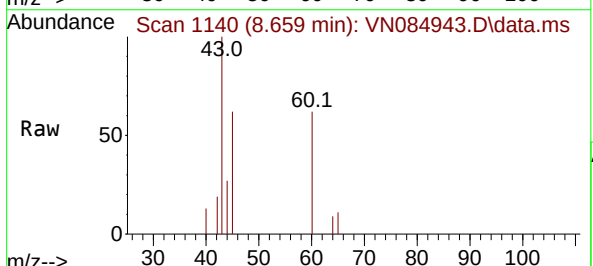
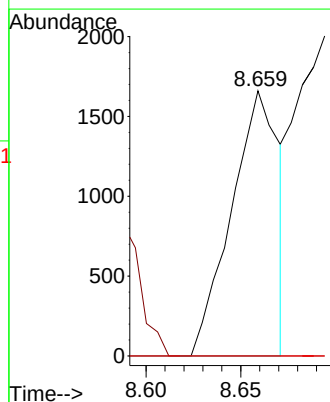
Tgt Ion: 43 Resp: 2894

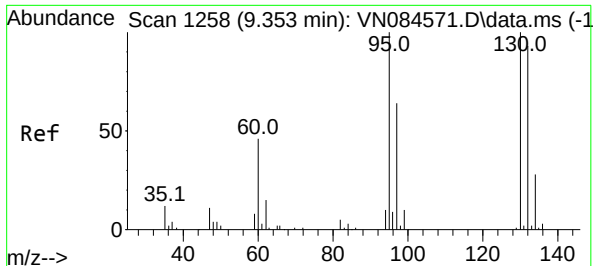
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 10.3 15.5#





#44

Trichloroethene

Concen: 27.020 ug/l

RT: 9.347 min Scan# 1

Delta R.T. 0.000 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

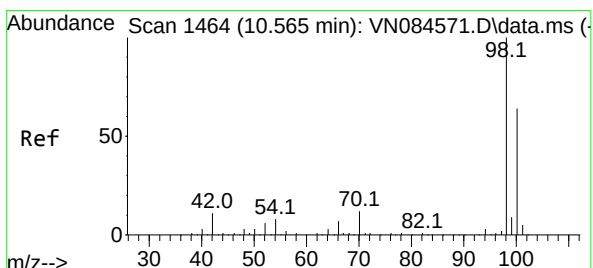
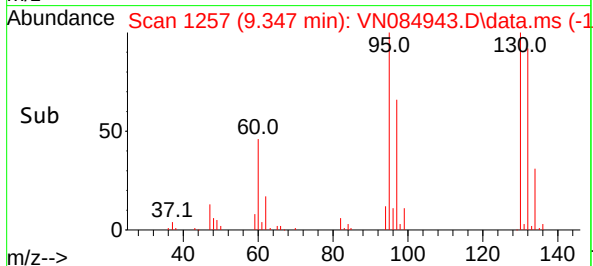
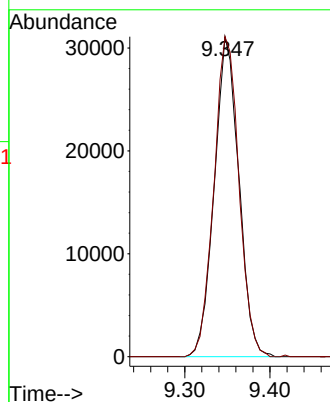
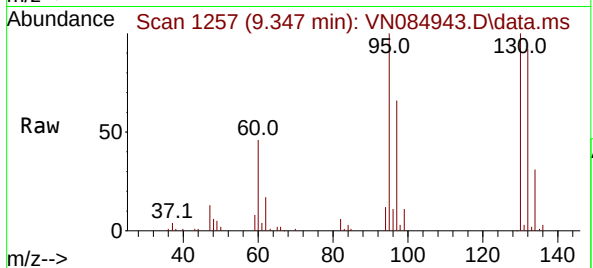
ClientSampleId :

Tgt Ion:130 Resp: 62034

Ion Ratio Lower Upper

130 100

95 100.1 0.0 203.0



#50

Toluene-d8

Concen: 46.483 ug/l

RT: 10.565 min Scan# 1464

Delta R.T. -0.000 min

Lab File: VN084943.D

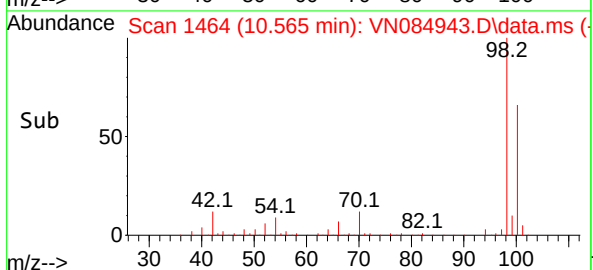
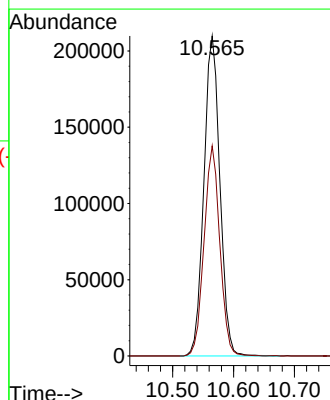
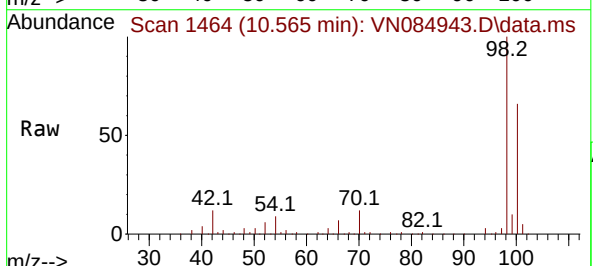
Acq: 19 Nov 2024 13:41

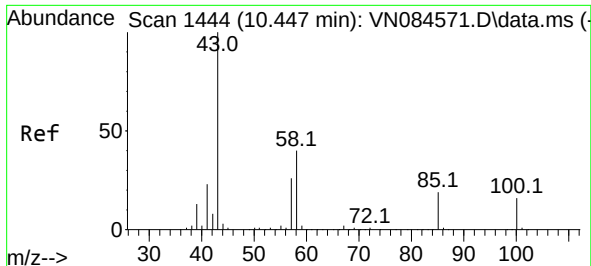
Tgt Ion: 98 Resp: 382722

Ion Ratio Lower Upper

98 100

100 64.6 52.7 79.1





#51

4-Methyl-2-Pentanone

Concen: 0.716 ug/l

RT: 10.565 min Scan# 14

Delta R.T. 0.124 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

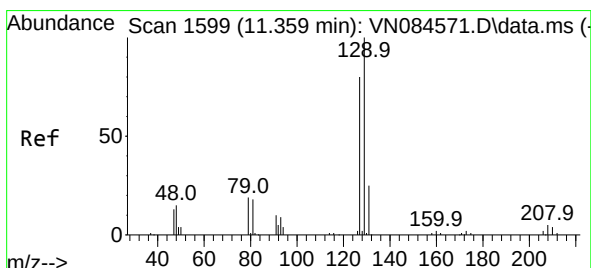
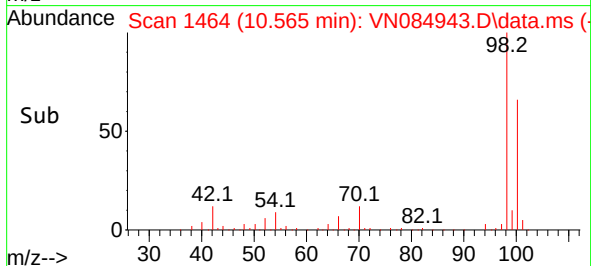
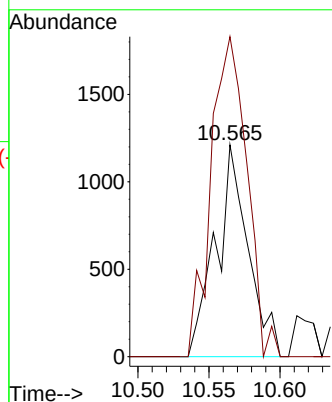
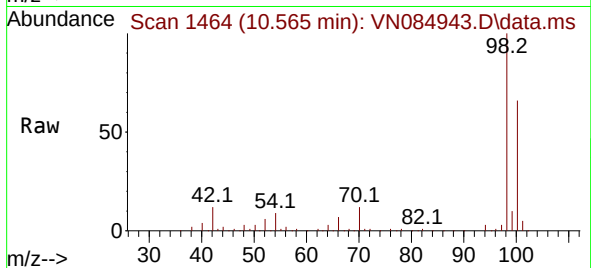
ClientSampleId :

Tgt Ion: 43 Resp: 1919

Ion Ratio Lower Upper

43 100

58 167.8 31.6 47.4#



#60

Dibromochloromethane

Concen: 0.702 ug/l

RT: 11.100 min Scan# 1555

Delta R.T. -0.259 min

Lab File: VN084943.D

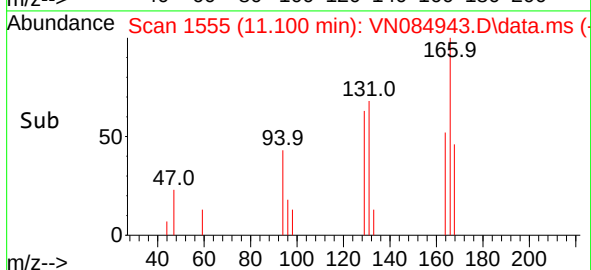
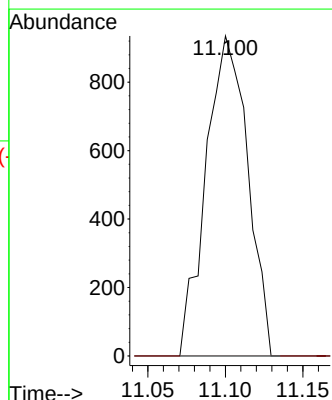
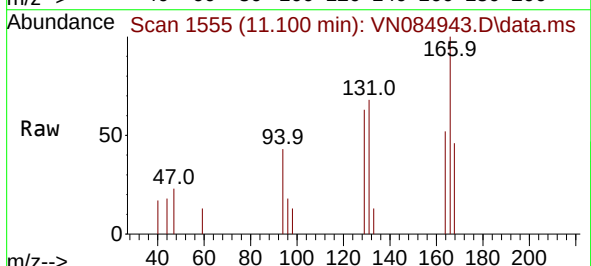
Acq: 19 Nov 2024 13:41

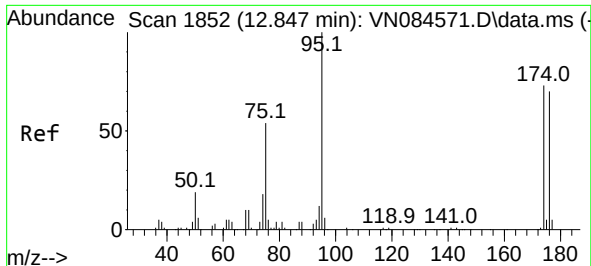
Tgt Ion: 129 Resp: 1755

Ion Ratio Lower Upper

129 100

127 0.0 38.3 114.9#

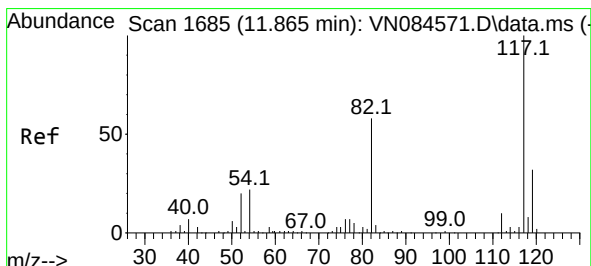
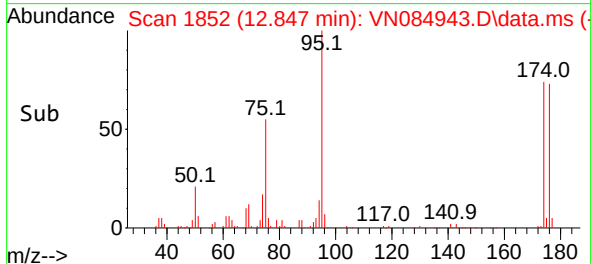
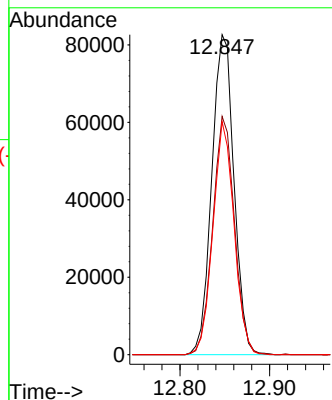
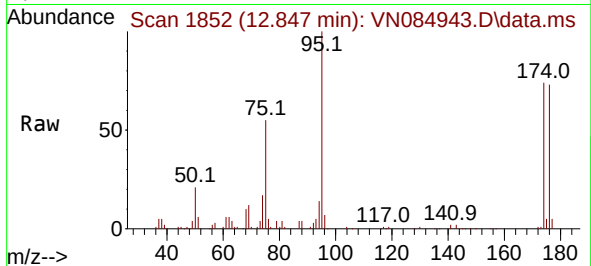




#62
4-Bromofluorobenzene
Concen: 46.059 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

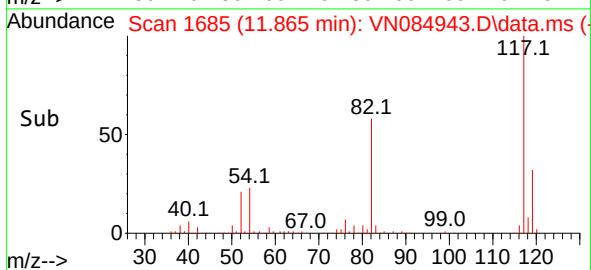
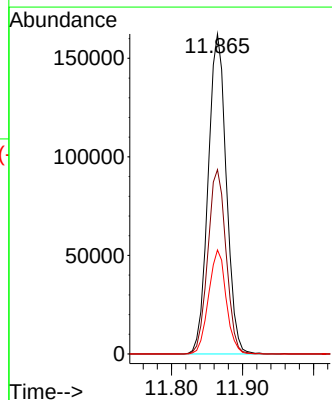
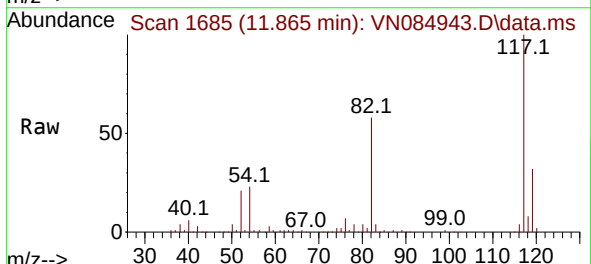
Instrument :
MSVOA_N
ClientSampleId :

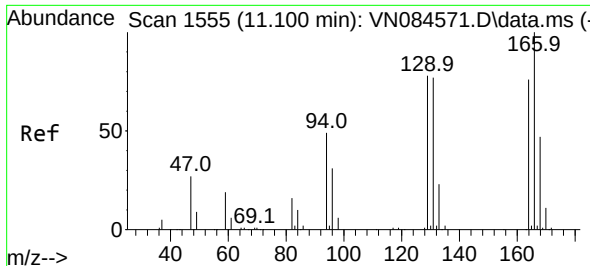
Tgt Ion: 95 Resp: 141731
Ion Ratio Lower Upper
95 100
174 73.1 0.0 145.2
176 69.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

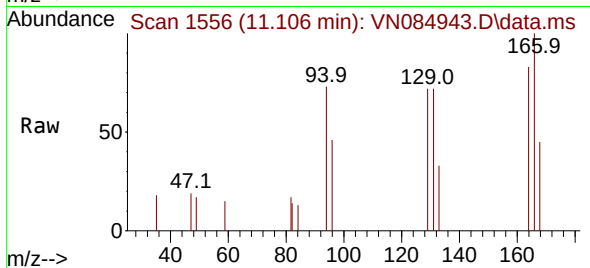
Tgt Ion: 117 Resp: 288531
Ion Ratio Lower Upper
117 100
82 57.6 47.2 70.8
119 32.5 25.4 38.0



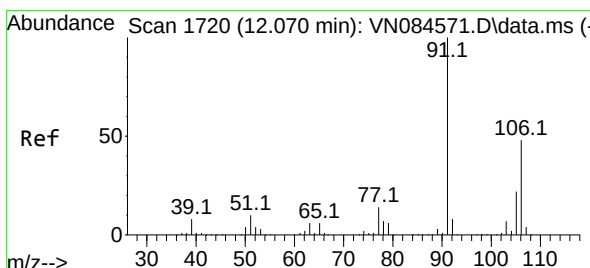
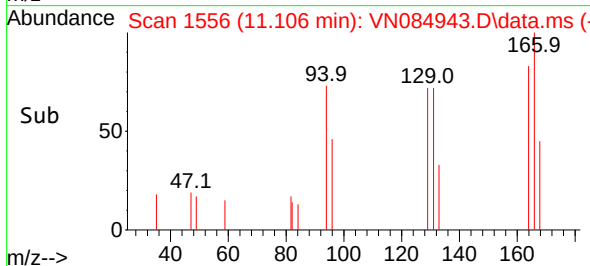
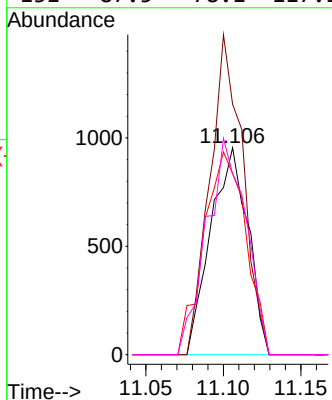


#64
Tetrachloroethene
Concen: 0.829 ug/l
RT: 11.106 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :

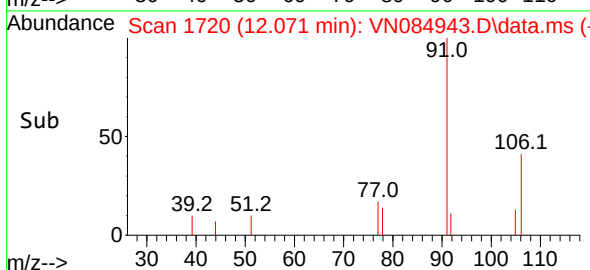
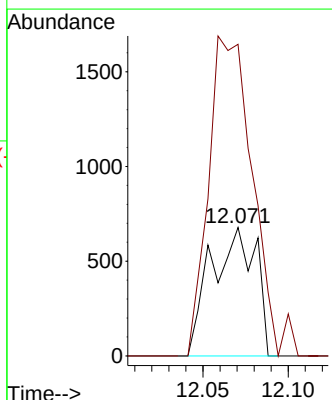
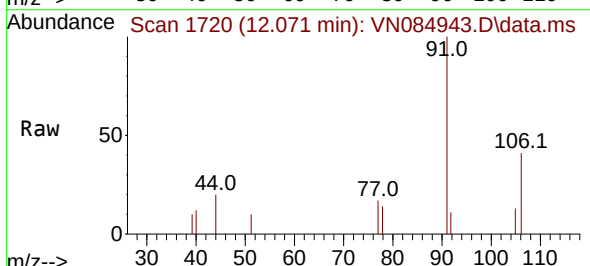


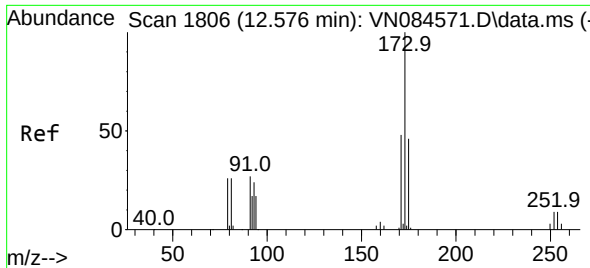
Tgt Ion:164 Resp: 1591
Ion Ratio Lower Upper
164 100
166 121.1 101.0 151.4
129 87.5 80.8 121.2
131 87.5 78.1 117.1



#68
m/p-Xylenes
Concen: 0.301 ug/l
RT: 12.071 min Scan# 1720
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

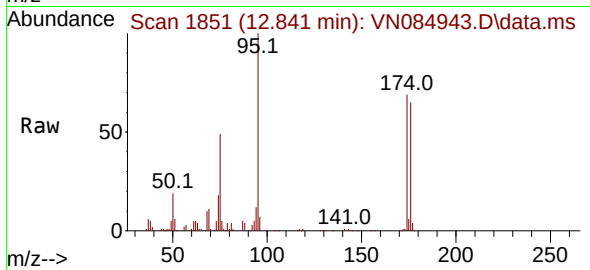
Tgt Ion:106 Resp: 1229
Ion Ratio Lower Upper
106 100
91 247.8 167.1 250.7



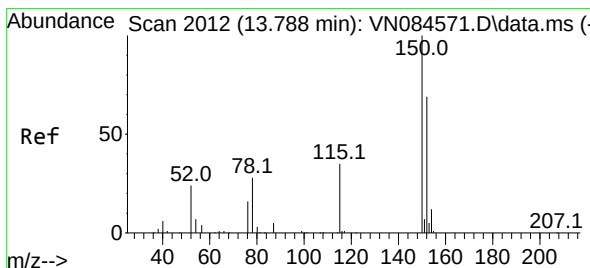
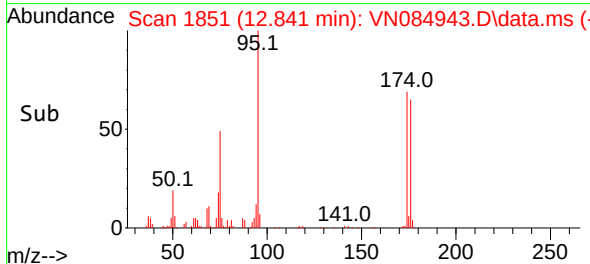
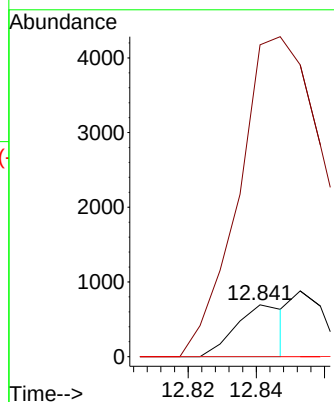


#71
Bromoform
Concen: 0.412 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :

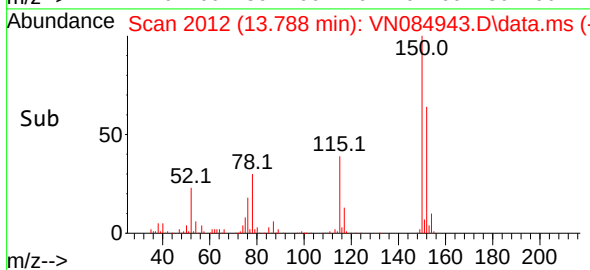
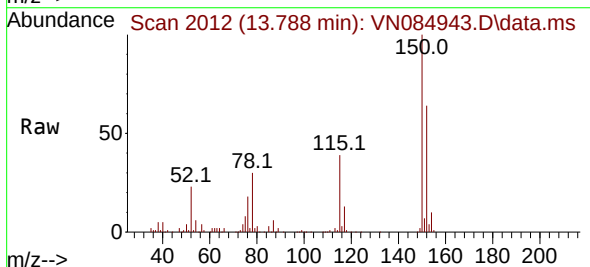
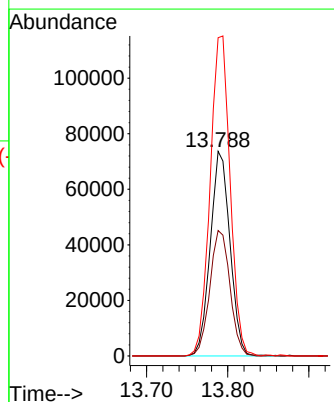


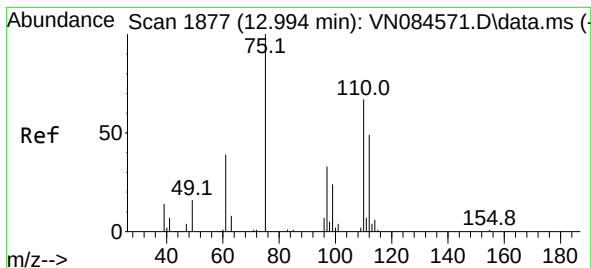
Tgt Ion:173 Resp: 696
Ion Ratio Lower Upper
173 100
175 816.8 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 2012
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:152 Resp: 124157
Ion Ratio Lower Upper
152 100
115 62.8 31.3 93.9
150 158.4 0.0 349.8





#76

1,2,3-Trichloropropane

Concen: 29.928 ug/l

RT: 12.847 min Scan# 1852

Delta R.T. -0.141 min

Lab File: VN084943.D

Acq: 19 Nov 2024 13:41

Instrument :

MSVOA_N

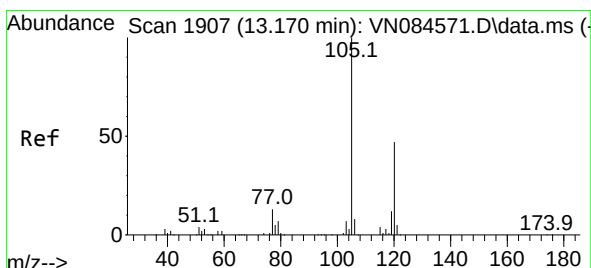
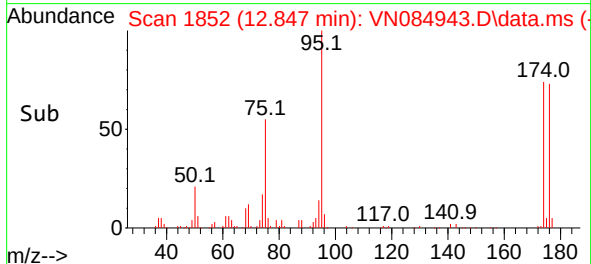
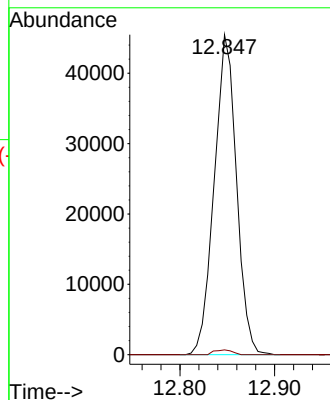
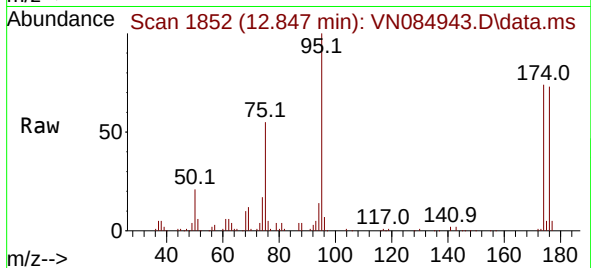
ClientSampleId :

Tgt Ion: 75 Resp: 74276

Ion Ratio Lower Upper

75 100

77 1.2 96.9 290.7#



#80

1,3,5-Trimethylbenzene

Concen: 0.237 ug/l

RT: 13.094 min Scan# 1894

Delta R.T. -0.076 min

Lab File: VN084943.D

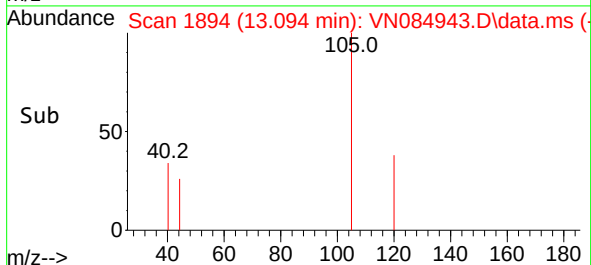
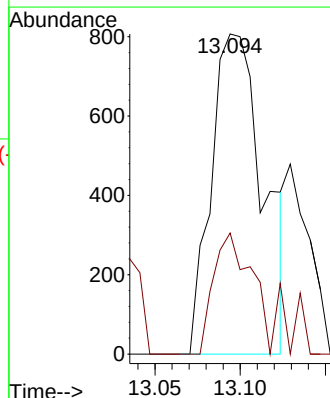
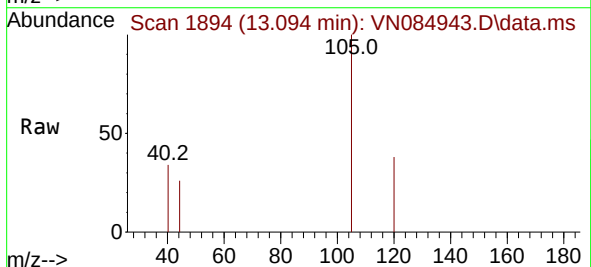
Acq: 19 Nov 2024 13:41

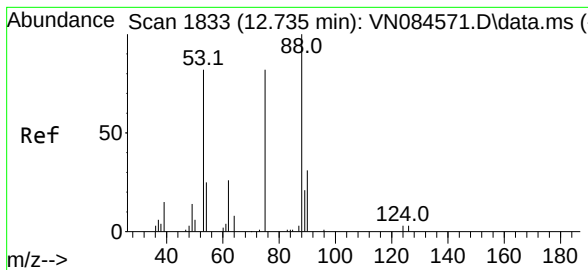
Tgt Ion: 105 Resp: 1712

Ion Ratio Lower Upper

105 100

120 27.6 23.7 71.1

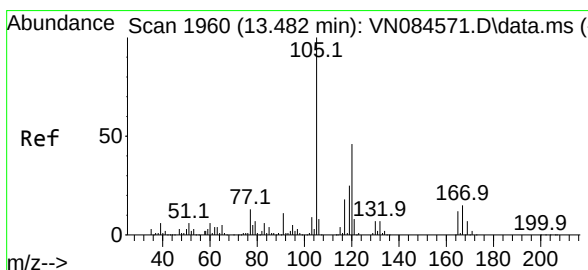
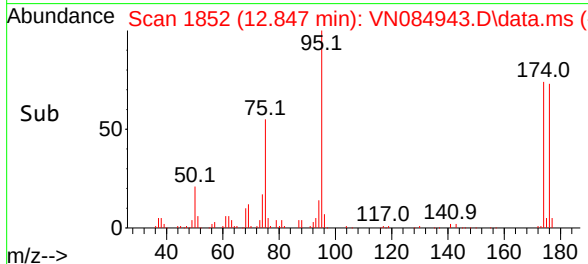
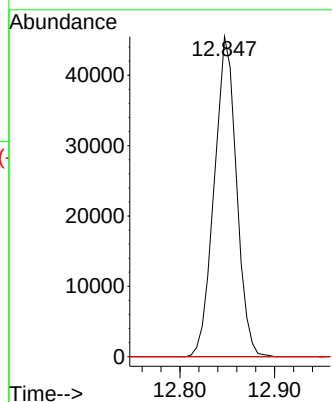
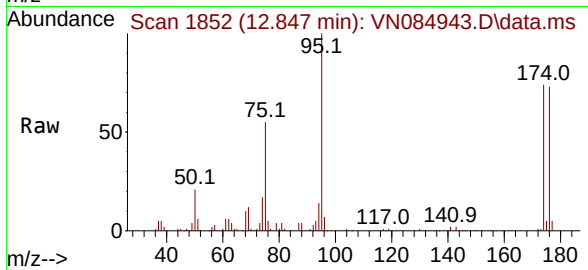




#81
trans-1,4-Dichloro-2-butene
Concen: 71.001 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

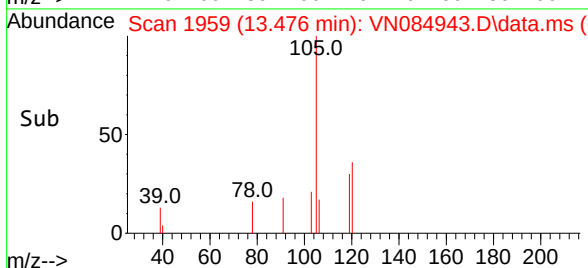
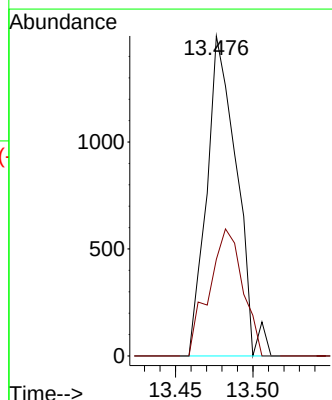
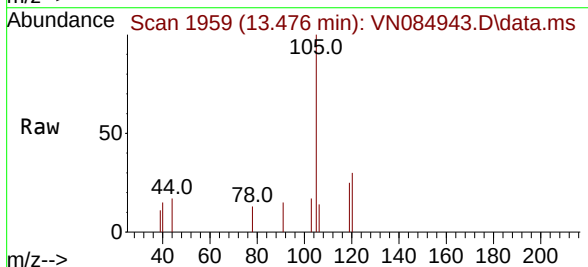
Instrument :
MSVOA_N
ClientSampleId :

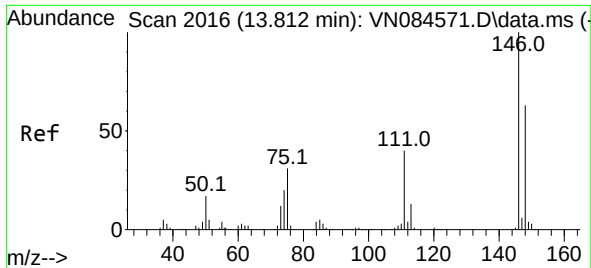
Tgt Ion: 75 Resp: 74276
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.269 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:105 Resp: 2000
Ion Ratio Lower Upper
105 100
120 44.9 22.3 66.8

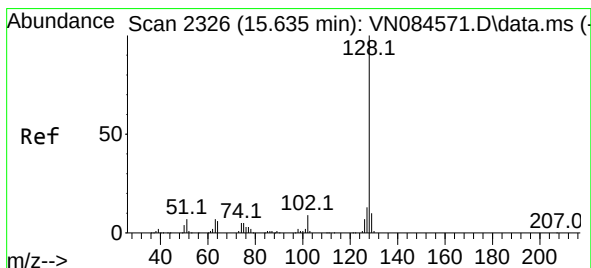
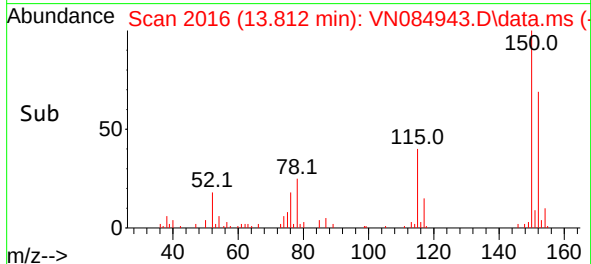
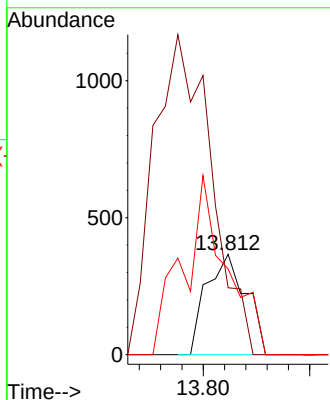
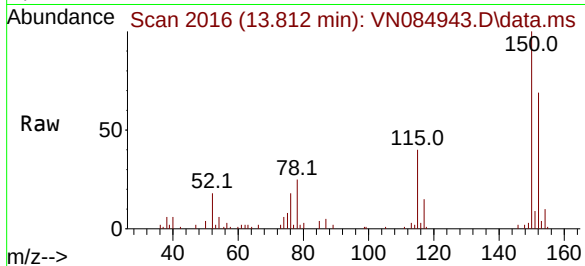




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion:146 Resp: 474
Ion Ratio Lower Upper
146 100
111 0.0 21.2 63.6#
148 196.0 31.9 95.9#



#95
Naphthalene
Concen: 0.253 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084943.D
Acq: 19 Nov 2024 13:41

Tgt Ion:128 Resp: 1819
Ion Ratio Lower Upper
128 100
127 6.3 10.5 15.7#
129 3.0 8.7 13.1#

