

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
 Data File : VN084918.D
 Acq On : 18 Nov 2024 14:28
 Operator : JC\MD
 Sample : IBLK
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 19 00:25:50 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)

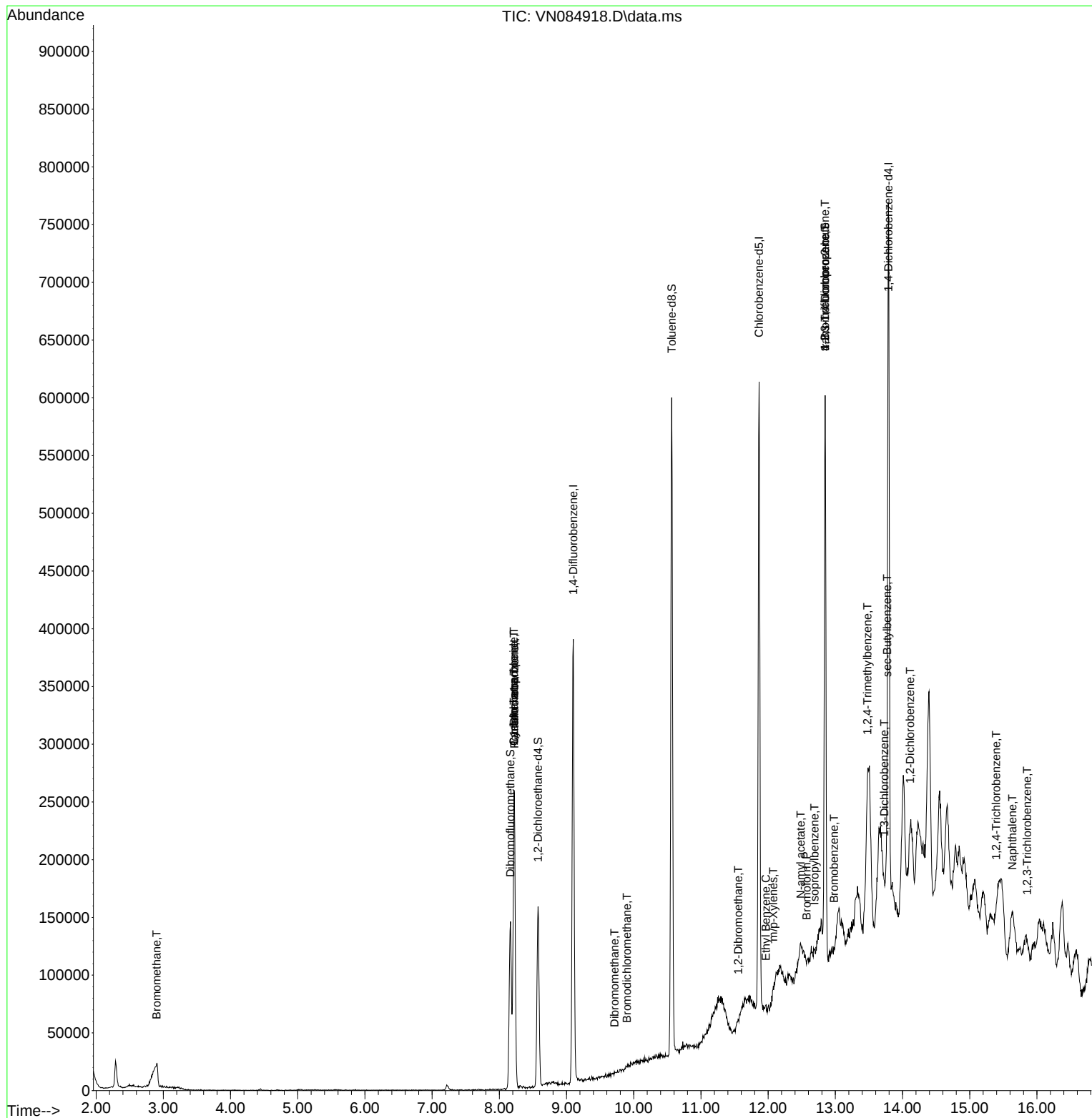
Internal Standards						
1) Pentafluorobenzene	8.224	168	184902	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	326866	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	311632	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	155486	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	130040	48.693	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	97.380%		
35) Dibromofluoromethane	8.165	113	102874	46.497	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	93.000%		
50) Toluene-d8	10.565	98	396495	48.649	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	97.300%		
62) 4-Bromofluorobenzene	12.847	95	173985	57.120	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	114.240%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	792	Below Cal	#	83
5) Bromomethane	2.901	94	656	0.542	ug/l #	57
6) Chloroethane	3.089	64	288	Below Cal	#	45
18) Methyl Acetate	5.012	43	499	Below Cal	#	51
31) Cyclohexane	8.218	56	4197	1.138	ug/l #	9
36) 1,1-Dichloropropene	8.218	75	14797	4.822	ug/l #	48
38) Carbon Tetrachloride	8.218	117	20601	6.007	ug/l #	15
43) Isopropyl Acetate	8.671	43	1313	Below Cal	#	56
46) Dibromomethane	9.712	93	435	0.267	ug/l #	1
47) Bromodichloromethane	9.900	83	750	0.218	ug/l #	24
61) 1,2-Dibromoethane	11.553	107	770	0.346	ug/l	100
67) Ethyl Benzene	11.965	91	2352	0.202	ug/l #	80
68) m/p-Xylenes	12.076	106	1074	0.244	ug/l	92
71) Bromoform	12.571	173	385	0.211	ug/l #	23
73) Isopropylbenzene	12.688	105	3005	0.276	ug/l	97
74) N-amyl acetate	12.482	43	1094	0.236	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	89954	28.942	ug/l #	1
77) Bromobenzene	12.982	156	680	0.232	ug/l #	46
81) trans-1,4-Dichloro-2-b...	12.847	75	89954	68.662	ug/l #	11
84) 1,2,4-Trimethylbenzene	13.476	105	2654	0.285	ug/l	84
85) sec-Butylbenzene	13.771	105	2214	0.210	ug/l	90
87) 1,3-Dichlorobenzene	13.729	146	2141	0.375	ug/l #	67
88) 1,4-Dichlorobenzene	13.812	146	2830	Below Cal	#	39
91) 1,2-Dichlorobenzene	14.112	146	1520	0.277	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.394	180	1521	0.506	ug/l	70
95) Naphthalene	15.635	128	8571	0.952	ug/l #	58
96) 1,2,3-Trichlorobenzene	15.853	180	1509	0.517	ug/l #	17

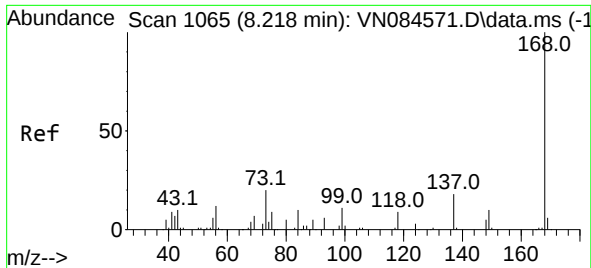
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111824\
Data File : VN084918.D
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Sample : IBLK
Misc : 5.0mL/MSVOA_N/WATER
ALS Vial : 11 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

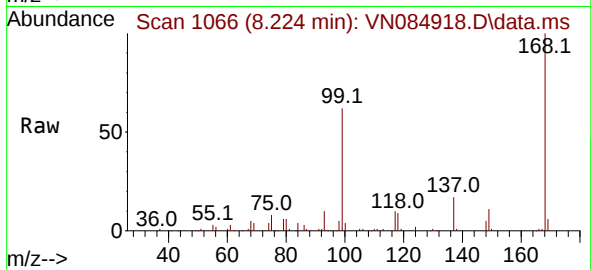
Quant Time: Nov 19 00:25:50 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N103024W.M
Quant Title : SW846 8260
QLast Update : Thu Oct 31 18:45:38 2024
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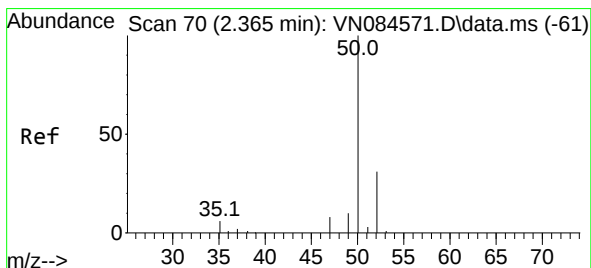
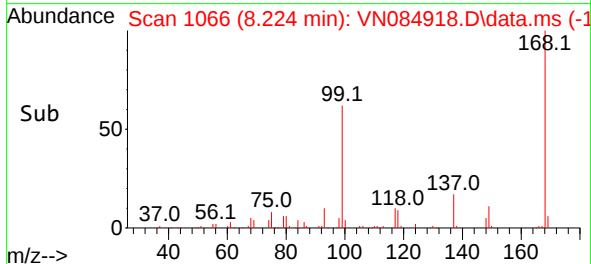
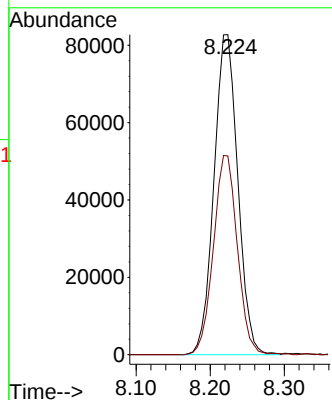


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Instrument :
MSVOA_N
ClientSampleId :

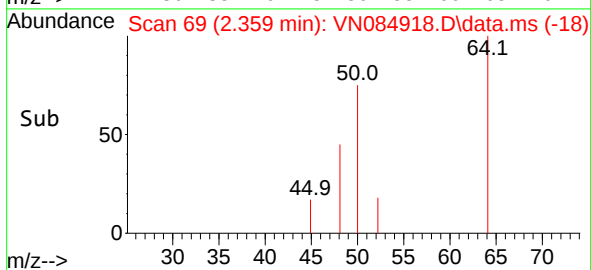
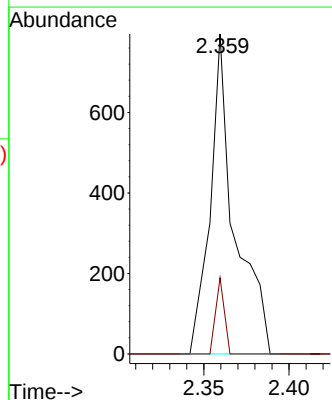
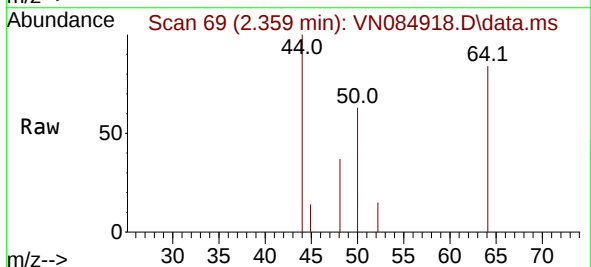


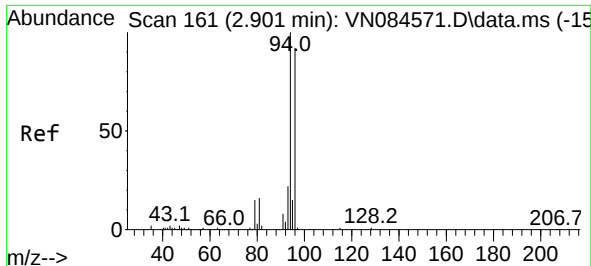
Tgt Ion:168 Resp: 184902
Ion Ratio Lower Upper
168 100
99 62.1 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion: 50 Resp: 792
Ion Ratio Lower Upper
50 100
52 23.8 26.8 40.2#

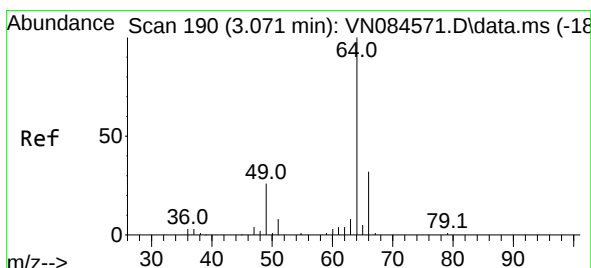
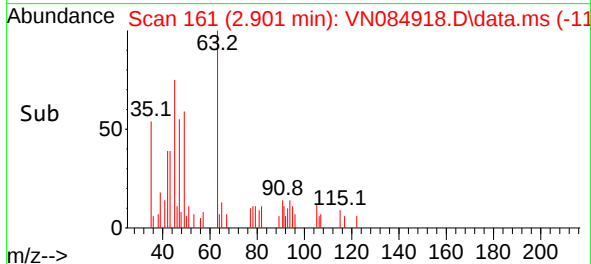
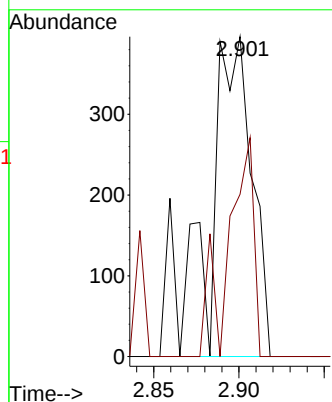
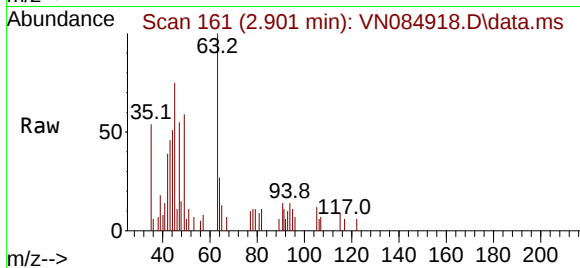




#5
Bromomethane
Concen: 0.542 ug/l
RT: 2.901 min Scan# 11
Delta R.T. -0.052 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

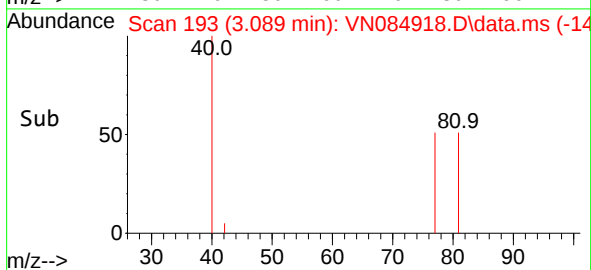
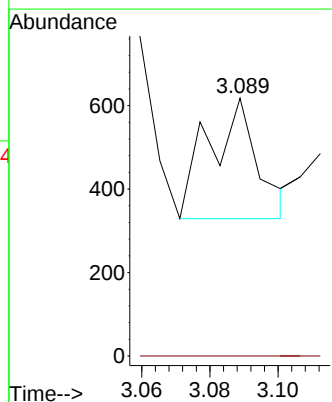
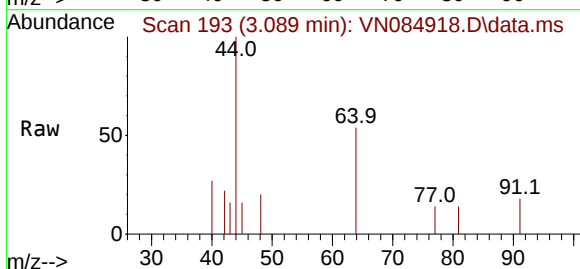
Instrument :
MSVOA_N
ClientSampleId :

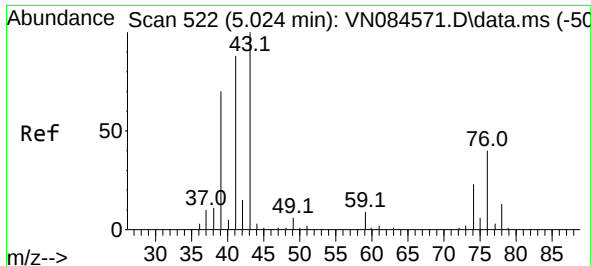
Tgt Ion: 94 Resp: 656
Ion Ratio Lower Upper
94 100
96 50.8 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.089 min Scan# 193
Delta R.T. -0.029 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

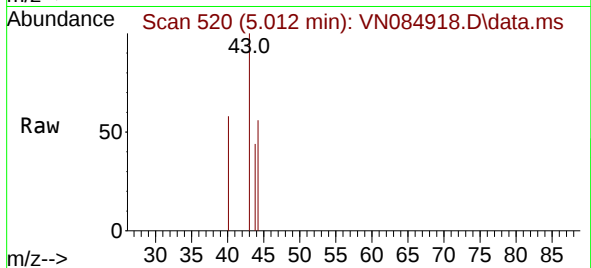
Tgt Ion: 64 Resp: 288
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



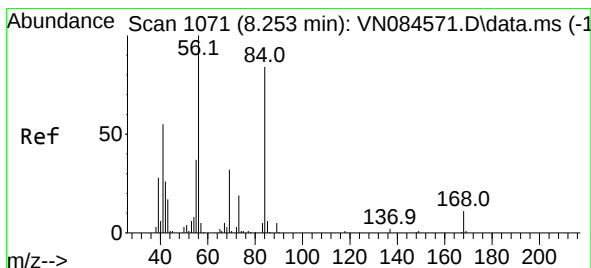
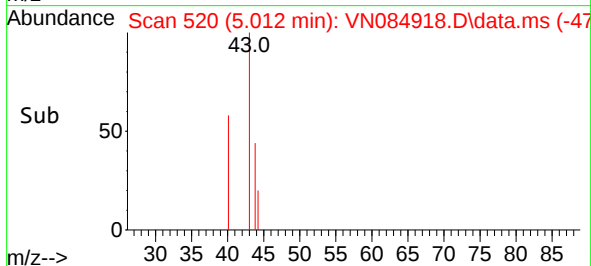
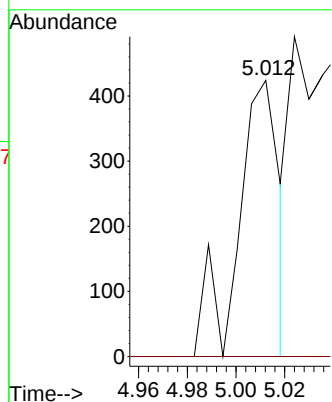


#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Instrument :
MSVOA_N
ClientSampleId :

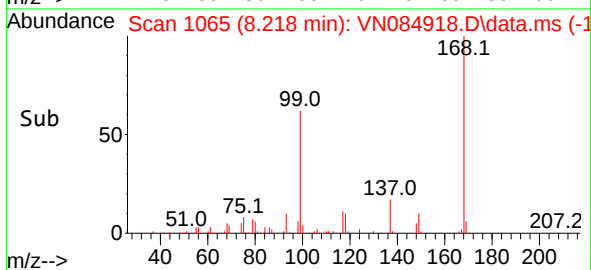
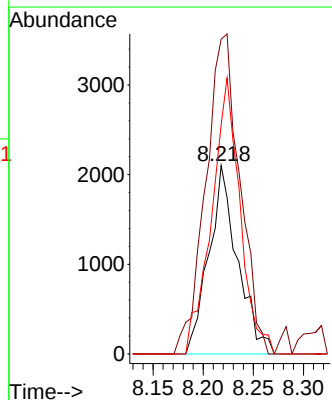
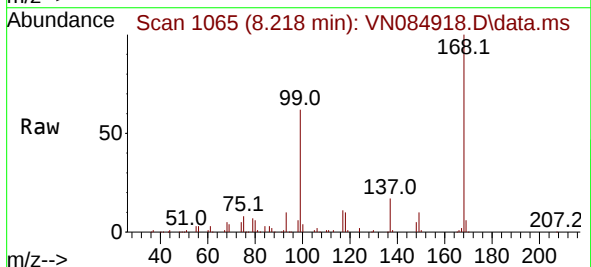


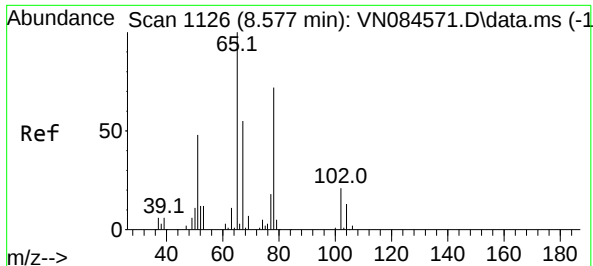
Tgt Ion: 43 Resp: 499
Ion Ratio Lower Upper
43 100
74 0.0 19.2 28.8#



#31
Cyclohexane
Concen: 1.138 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion: 56 Resp: 4197
Ion Ratio Lower Upper
56 100
69 159.4 23.8 35.6#
84 121.6 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 48.693 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Instrument :

MSVOA_N

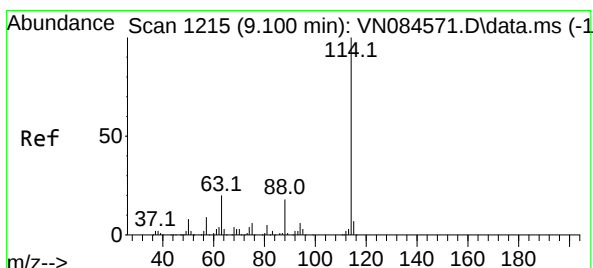
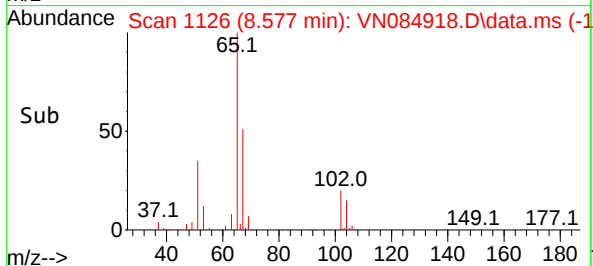
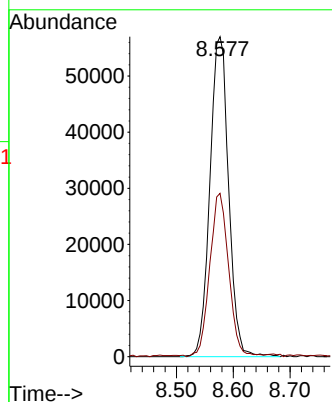
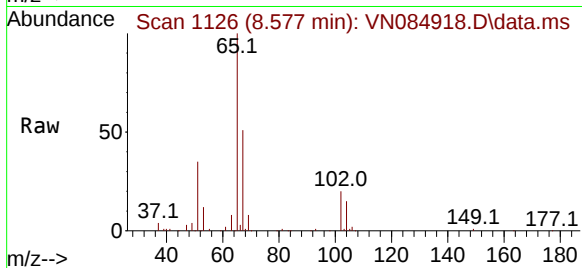
ClientSampleId :

Tgt Ion: 65 Resp: 130040

Ion Ratio Lower Upper

65 100

67 51.7 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: VN084918.D

Acq: 18 Nov 2024 14:28

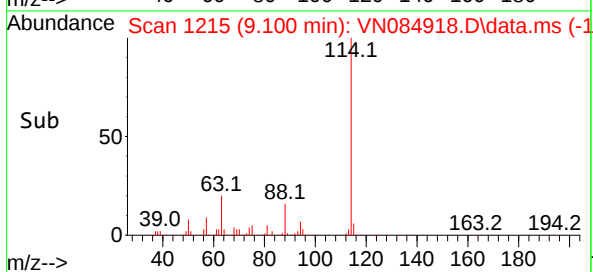
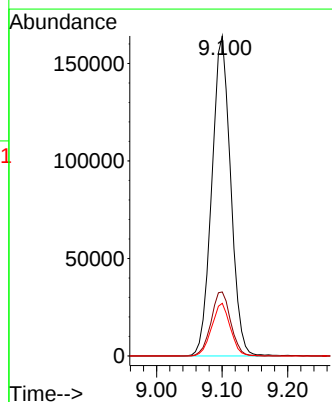
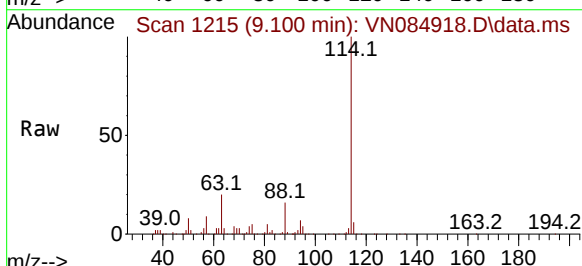
Tgt Ion: 114 Resp: 326866

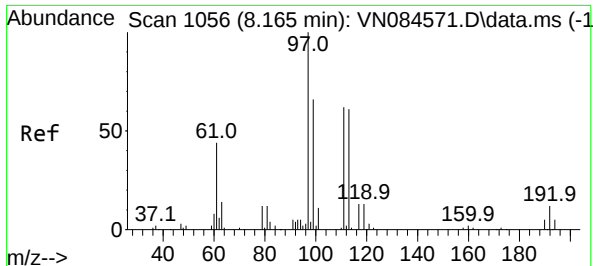
Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

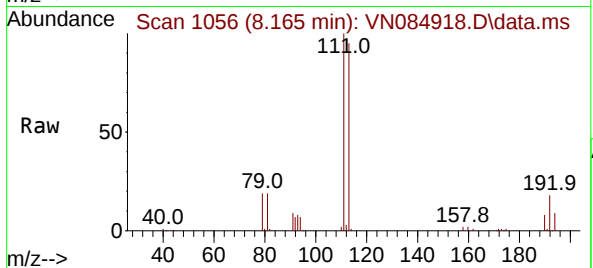
88 16.5 0.0 31.6



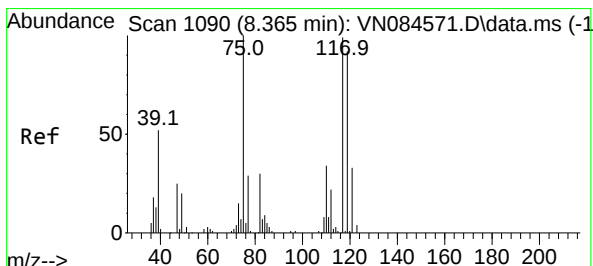
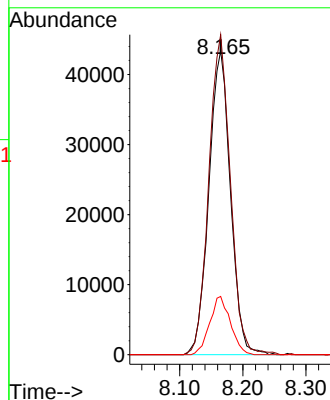
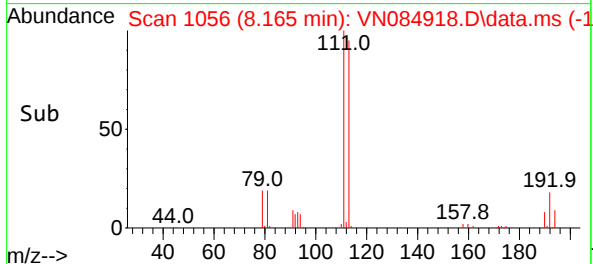


#35
Dibromofluoromethane
Concen: 46.497 ug/l
RT: 8.165 min Scan# 1056
Delta R.T. 0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Instrument :
MSVOA_N
ClientSampleId :

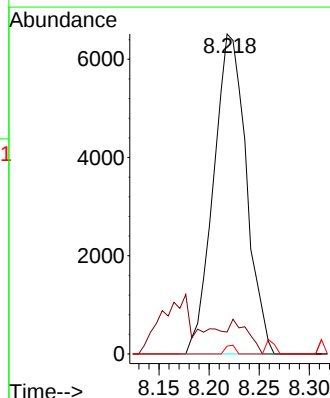
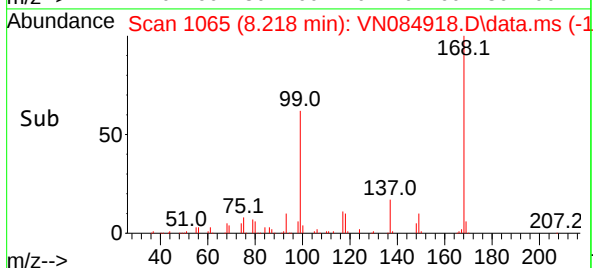
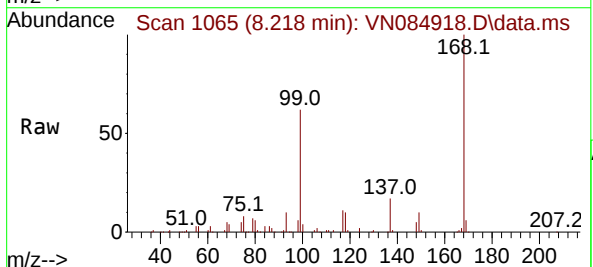


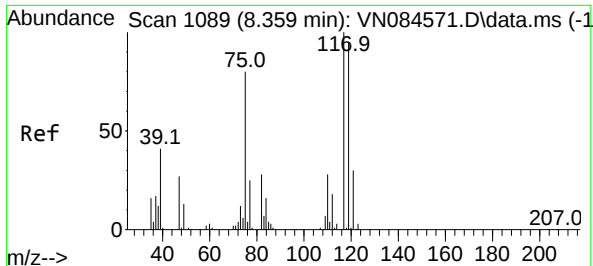
Tgt Ion:113 Resp: 102874
Ion Ratio Lower Upper
113 100
111 105.0 83.3 124.9
192 18.4 13.5 20.3



#36
1,1-Dichloropropene
Concen: 4.822 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.153 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

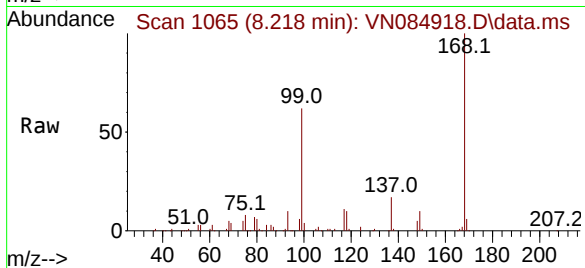
Tgt Ion: 75 Resp: 14797
Ion Ratio Lower Upper
75 100
110 5.7 16.9 50.7#
77 0.8 24.7 37.1#



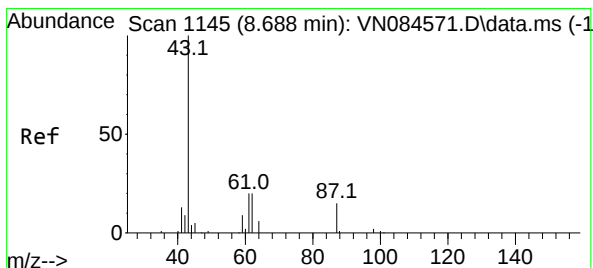
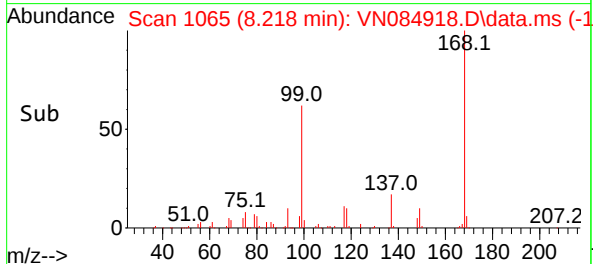
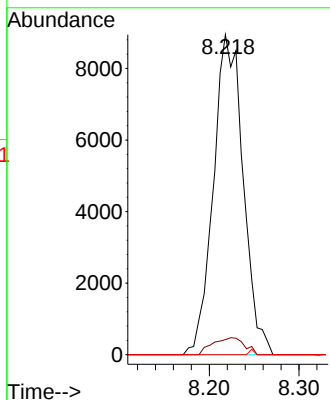


#38
Carbon Tetrachloride
Concen: 6.007 ug/l
RT: 8.218 min Scan# 1105
Delta R.T. -0.141 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Instrument :
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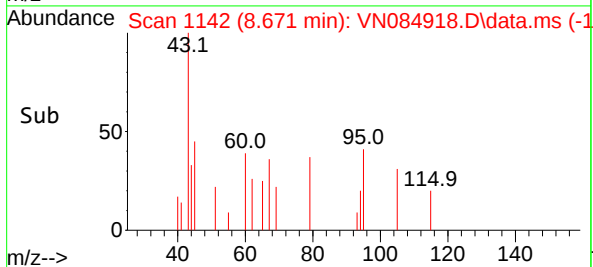
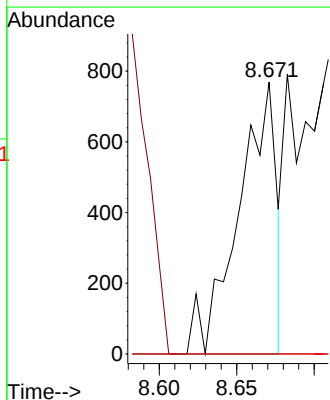
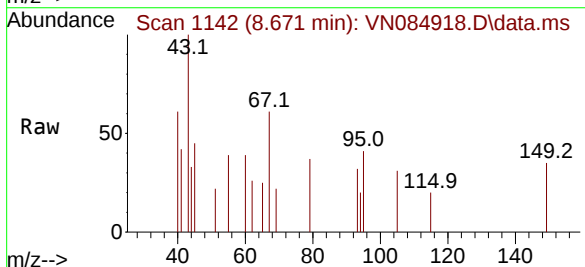


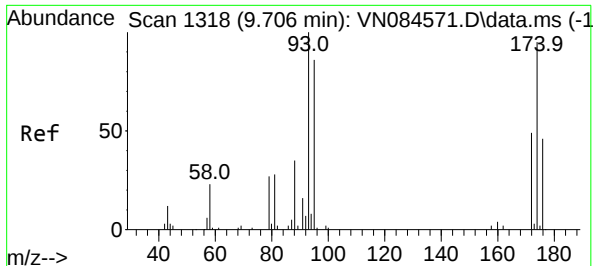
Tgt Ion:117 Resp: 20601
Ion Ratio Lower Upper
117 100
119 4.7 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.671 min Scan# 1142
Delta R.T. -0.017 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion: 43 Resp: 1313
Ion Ratio Lower Upper
43 100
61 0.0 20.4 30.6#
87 0.0 10.3 15.5#





#46

Dibromomethane

Concen: 0.267 ug/l

RT: 9.712 min Scan# 11

Delta R.T. 0.006 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Instrument :

MSVOA_N

ClientSampleId :

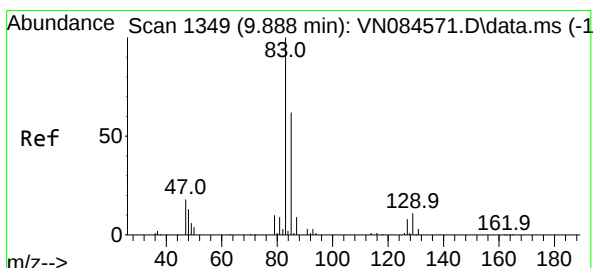
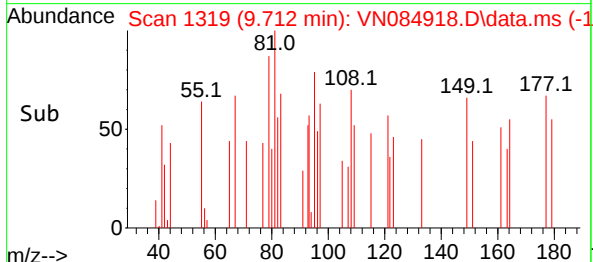
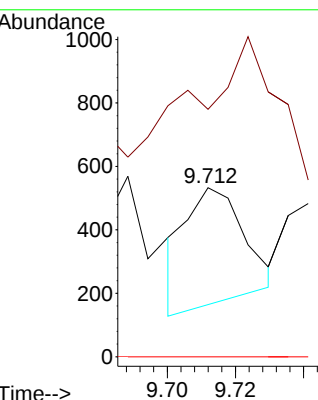
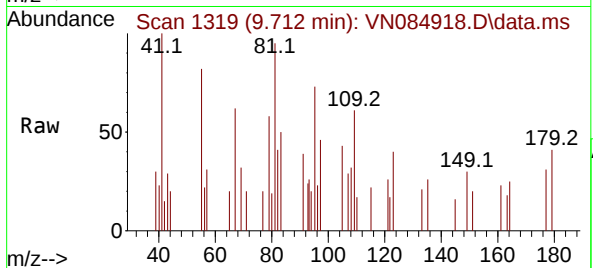
Tgt Ion: 93 Resp: 435

Ion Ratio Lower Upper

93 100

95 173.3 65.0 97.4#

174 0.0 71.8 107.8#



#47

Bromodichloromethane

Concen: 0.218 ug/l

RT: 9.900 min Scan# 1351

Delta R.T. 0.012 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

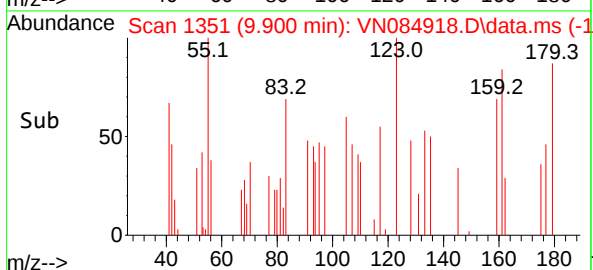
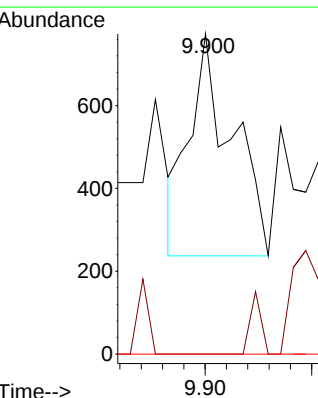
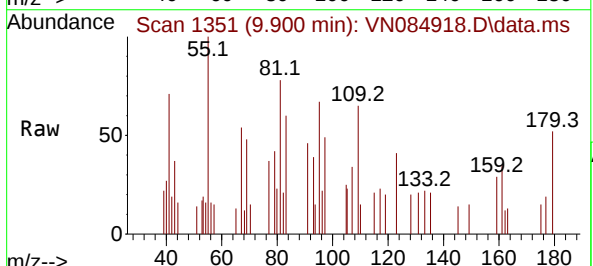
Tgt Ion: 83 Resp: 750

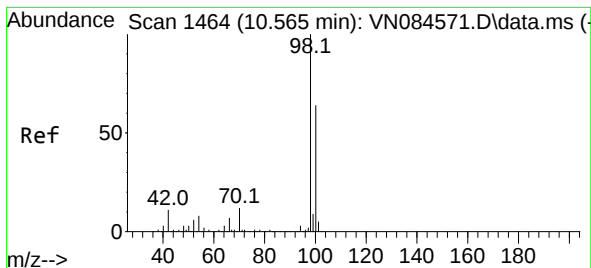
Ion Ratio Lower Upper

83 100

85 0.0 51.5 77.3#

127 0.0 5.7 8.5#





#50

Toluene-d8

Concen: 48.649 ug/l

RT: 10.565 min Scan# 14

Delta R.T. -0.000 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Instrument :

MSVOA_N

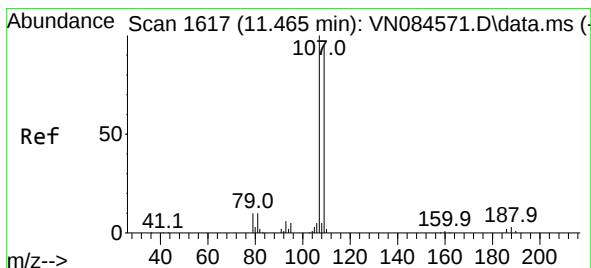
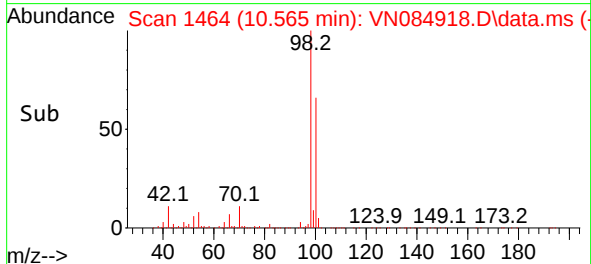
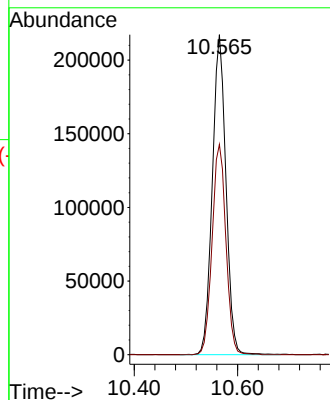
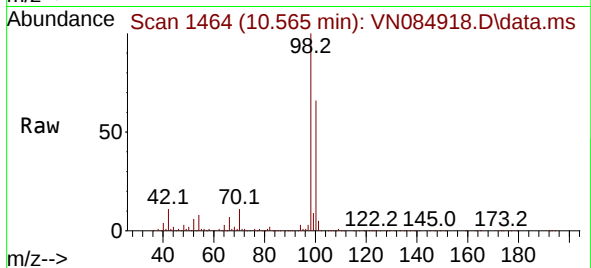
ClientSampleId :

Tgt Ion: 98 Resp: 396495

Ion Ratio Lower Upper

98 100

100 66.7 52.7 79.1



#61

1,2-Dibromoethane

Concen: 0.346 ug/l

RT: 11.553 min Scan# 1632

Delta R.T. 0.088 min

Lab File: VN084918.D

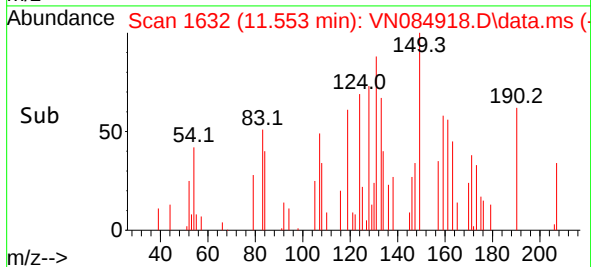
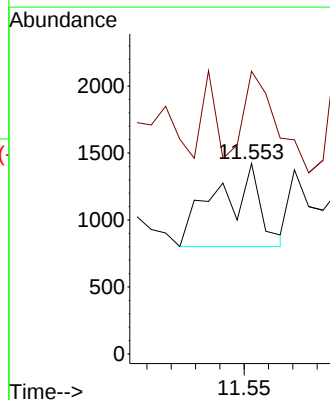
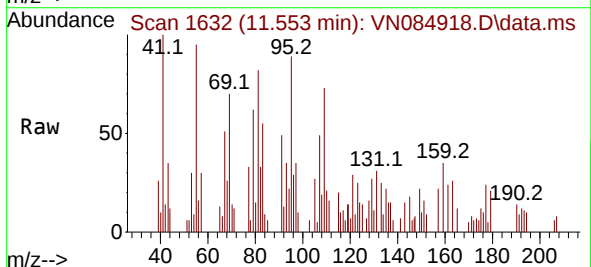
Acq: 18 Nov 2024 14:28

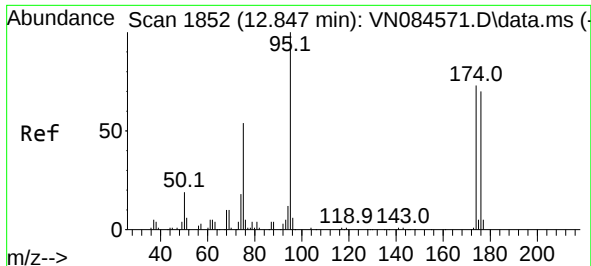
Tgt Ion:107 Resp: 770

Ion Ratio Lower Upper

107 100

109 94.5 75.4 113.0

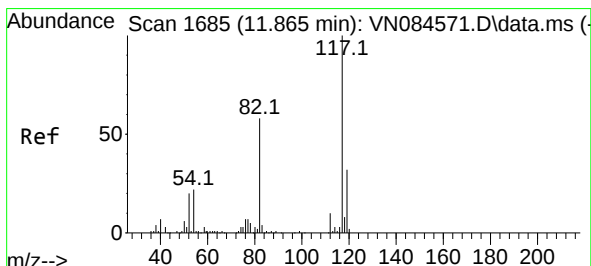
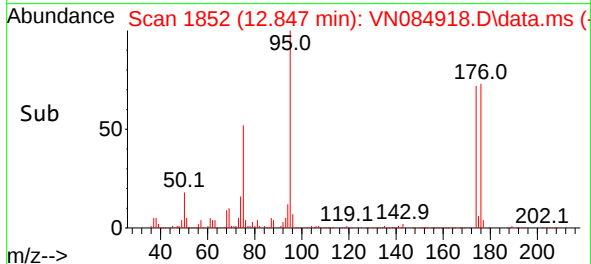
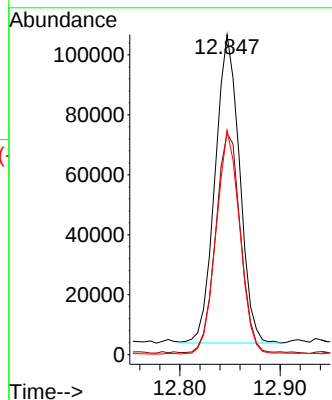
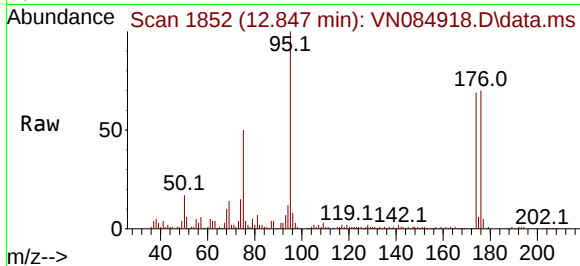




#62
4-Bromofluorobenzene
Concen: 57.120 ug/l
RT: 12.847 min Scan# 1185
Delta R.T. 0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

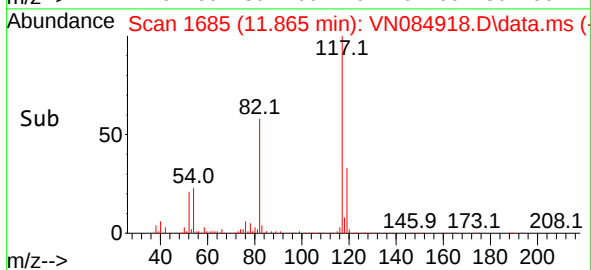
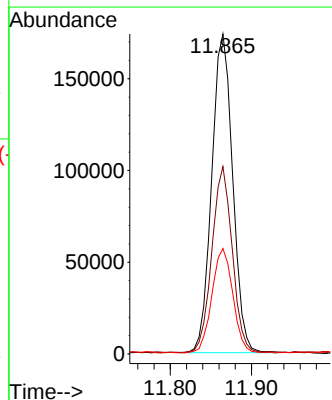
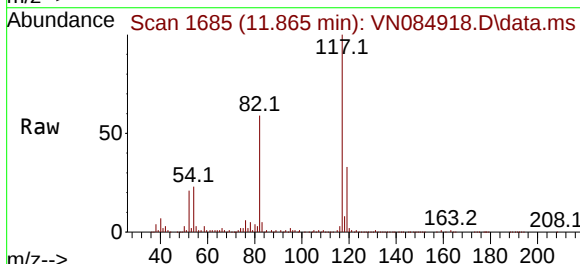
Instrument :
MSVOA_N
ClientSampleId :

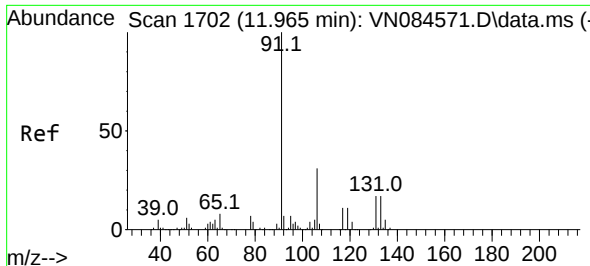
Tgt Ion: 95 Resp: 173985
Ion Ratio Lower Upper
95 100
174 73.4 0.0 145.2
176 70.4 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion: 117 Resp: 311632
Ion Ratio Lower Upper
117 100
82 58.3 47.2 70.8
119 32.7 25.4 38.0

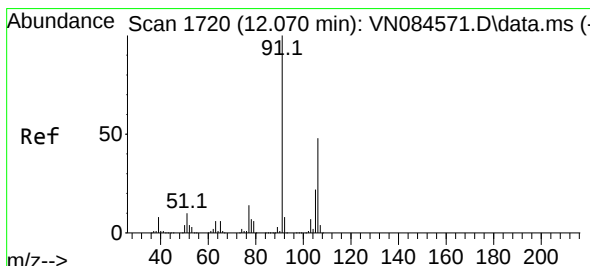
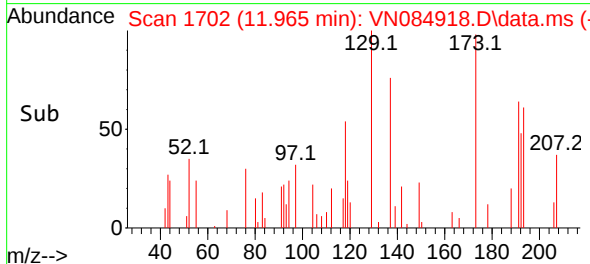
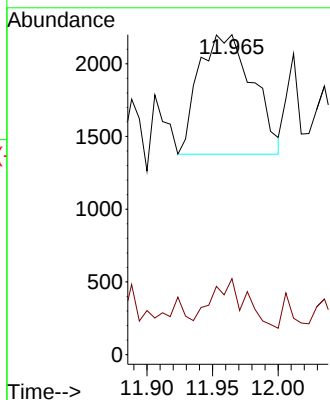
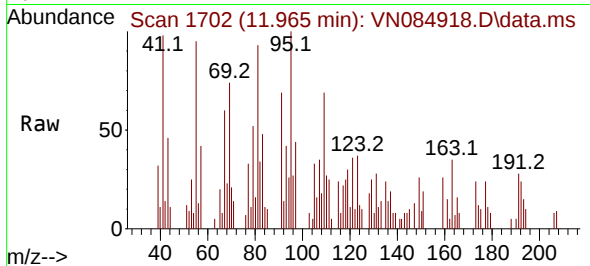




#67
Ethyl Benzene
Concen: 0.202 ug/l
RT: 11.965 min Scan# 1702
Delta R.T. 0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

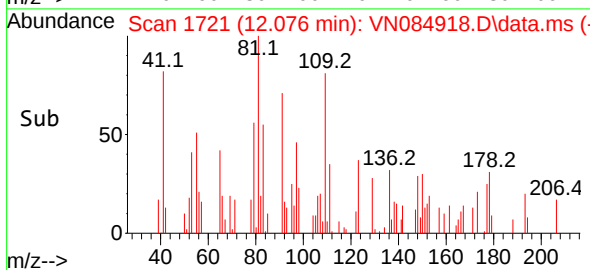
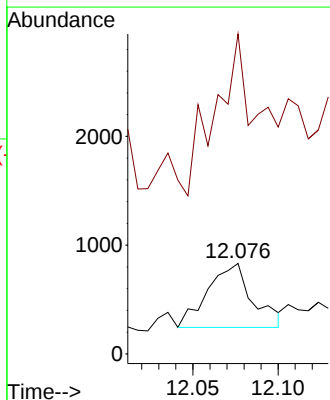
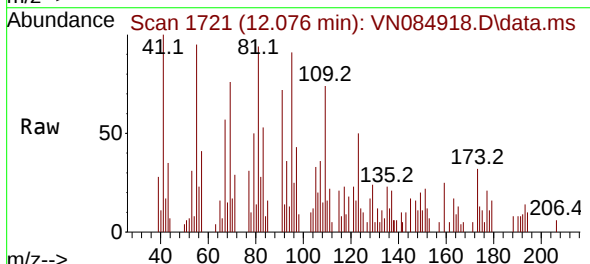
Instrument :
MSVOA_N
ClientSampleId :

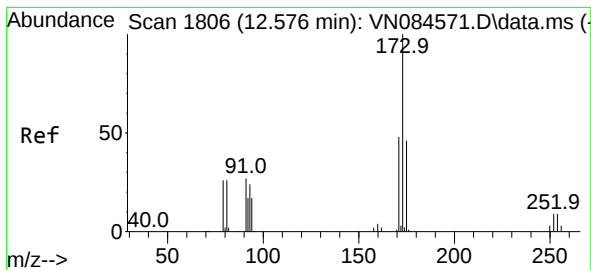
Tgt Ion: 91 Resp: 2352
Ion Ratio Lower Upper
91 100
106 41.5 24.5 36.7#



#68
m/p-Xylenes
Concen: 0.244 ug/l
RT: 12.076 min Scan# 1721
Delta R.T. 0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion:106 Resp: 1074
Ion Ratio Lower Upper
106 100
91 195.9 167.1 250.7





#71

Bromoform

Concen: 0.211 ug/l

RT: 12.571 min Scan# 1805

Delta R.T. -0.006 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Instrument :

MSVOA_N

ClientSampleId :

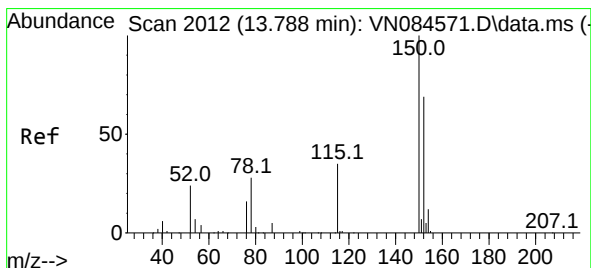
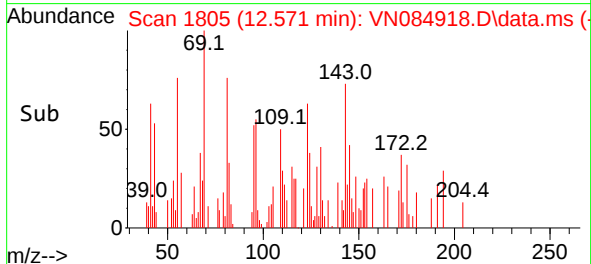
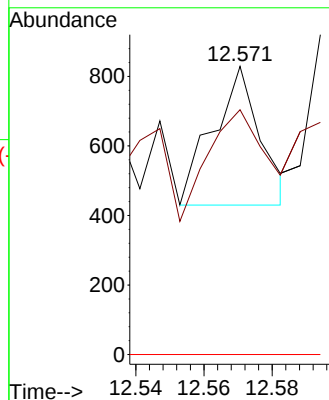
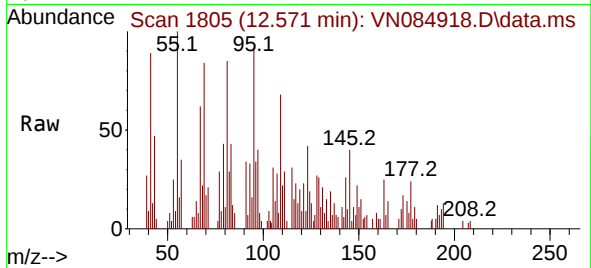
Tgt Ion:173 Resp: 385

Ion Ratio Lower Upper

173 100

175 98.7 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: VN084918.D

Acq: 18 Nov 2024 14:28

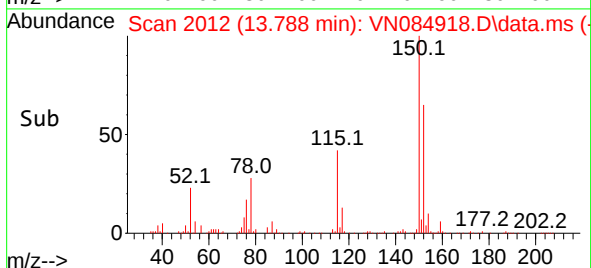
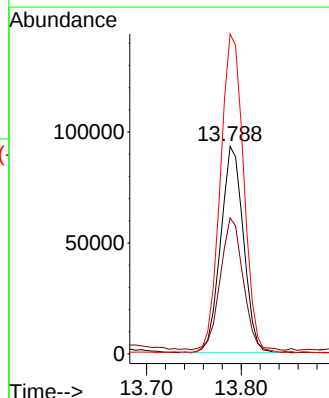
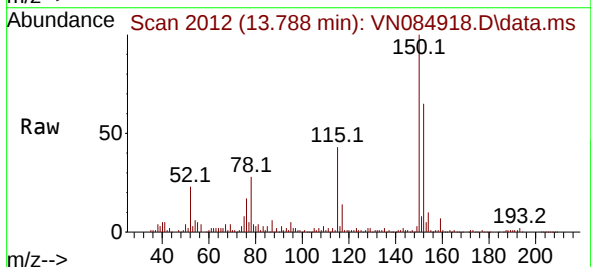
Tgt Ion:152 Resp: 155486

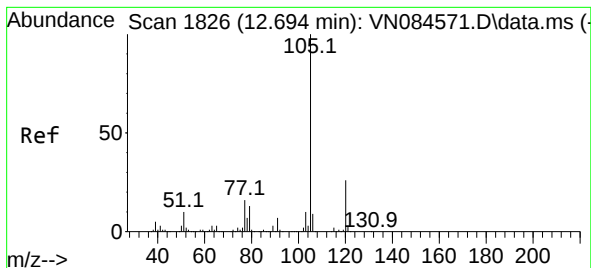
Ion Ratio Lower Upper

152 100

115 64.2 31.3 93.9

150 157.7 0.0 349.8





#73

Isopropylbenzene

Concen: 0.276 ug/l

RT: 12.688 min Scan# 1825

Delta R.T. -0.006 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Instrument :

MSVOA_N

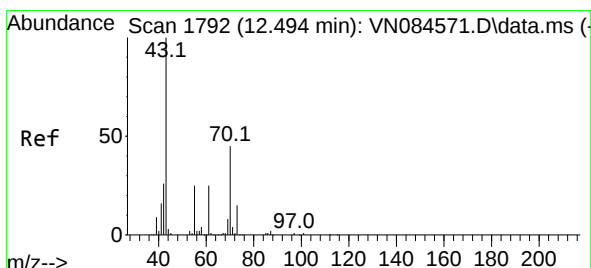
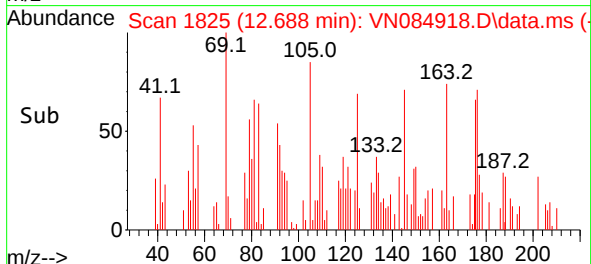
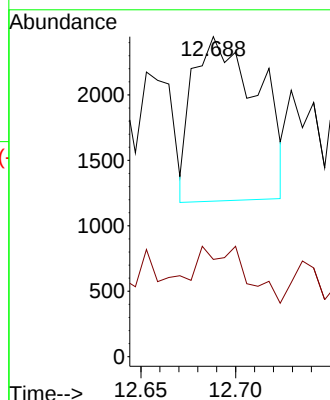
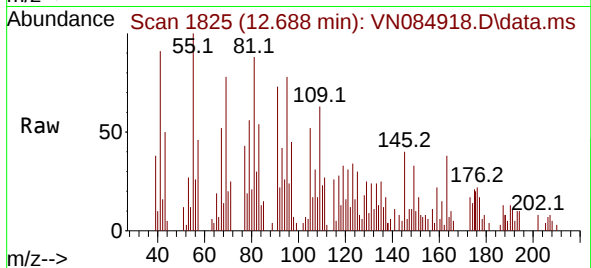
ClientSampleId :

Tgt Ion:105 Resp: 3005

Ion Ratio Lower Upper

105 100

120 24.1 12.9 38.7



#74

N-ethyl acetate

Concen: 0.236 ug/l

RT: 12.482 min Scan# 1790

Delta R.T. -0.012 min

Lab File: VN084918.D

Acq: 18 Nov 2024 14:28

Tgt Ion: 43 Resp: 1094

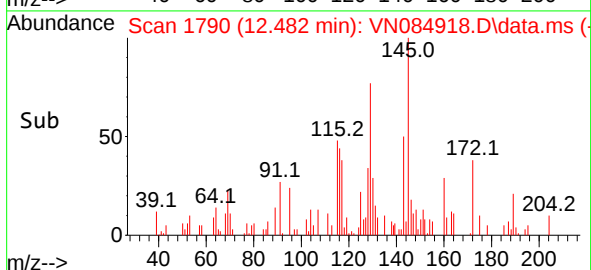
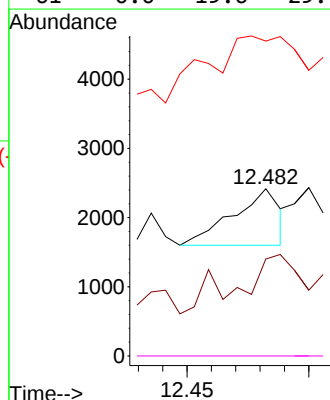
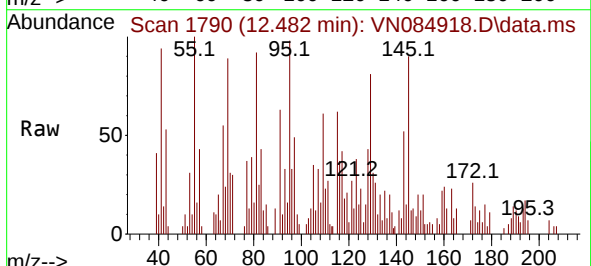
Ion Ratio Lower Upper

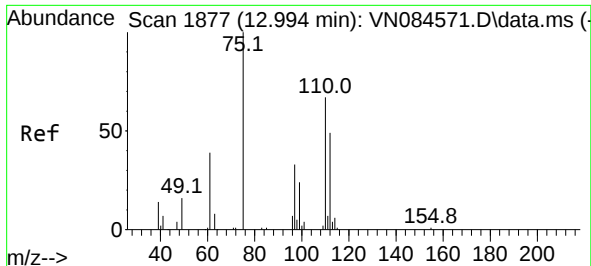
43 100

70 48.3 34.4 51.6

55 451.6 19.6 29.4#

61 0.0 19.6 29.4#

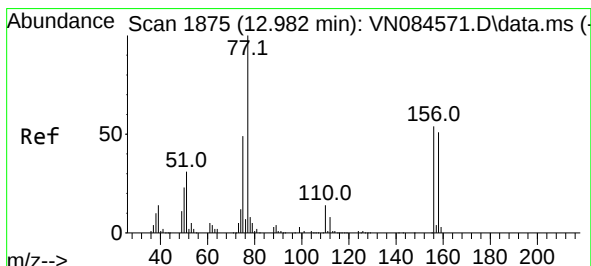
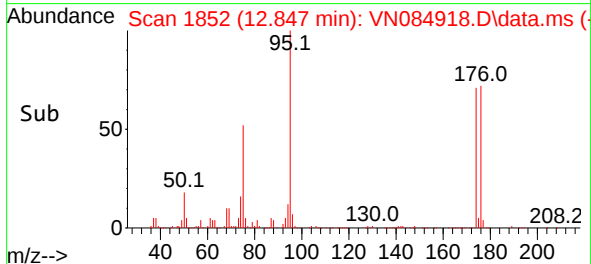
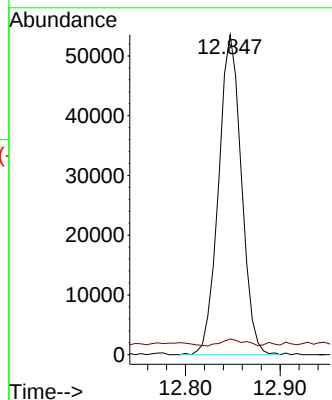
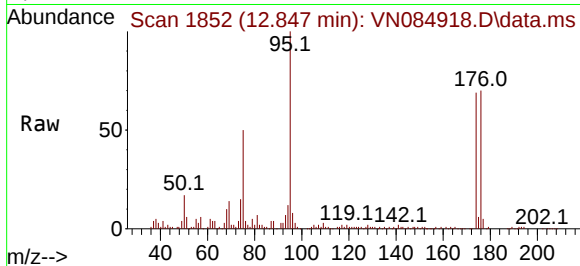




#76
1,2,3-Trichloropropane
Concen: 28.942 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

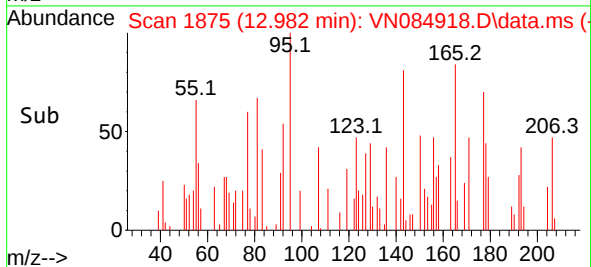
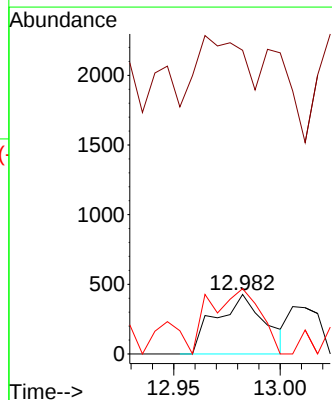
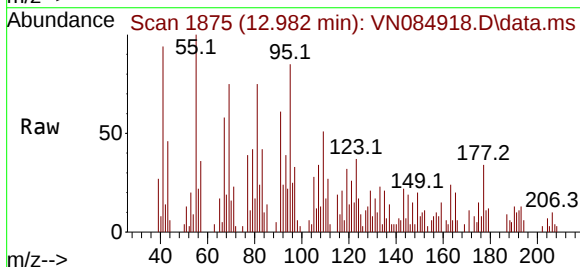
Instrument :
MSVOA_N
ClientSampleId :

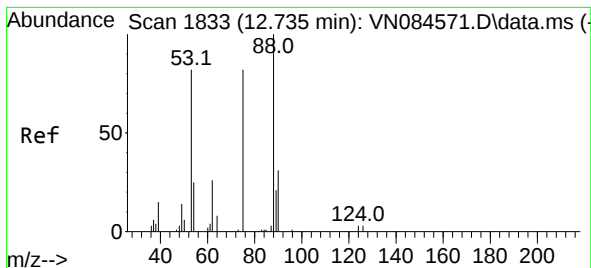
Tgt Ion: 75 Resp: 89954
Ion Ratio Lower Upper
75 100
77 2.2 96.9 290.7#



#77
Bromobenzene
Concen: 0.232 ug/l
RT: 12.982 min Scan# 1875
Delta R.T. 0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion:156 Resp: 680
Ion Ratio Lower Upper
156 100
77 112.8 115.1 345.3#
158 112.5 48.9 146.8

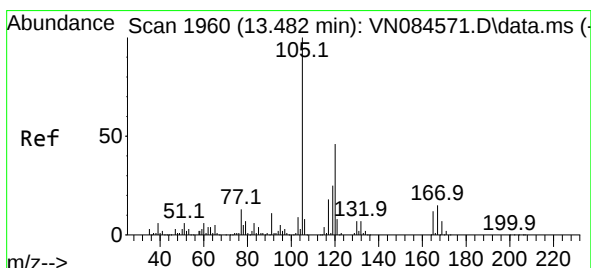
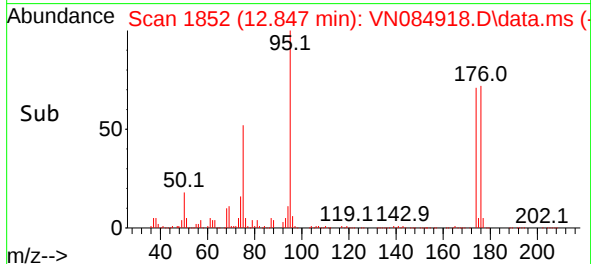
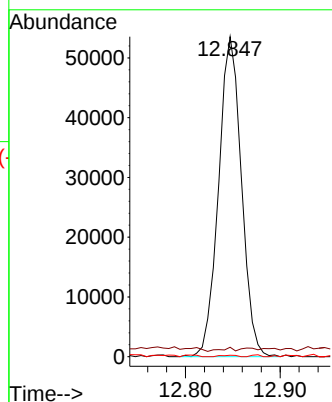
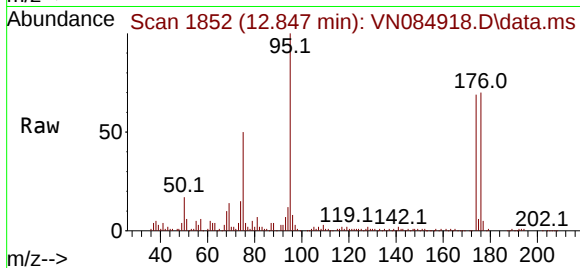




#81
trans-1,4-Dichloro-2-butene
Concen: 68.662 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

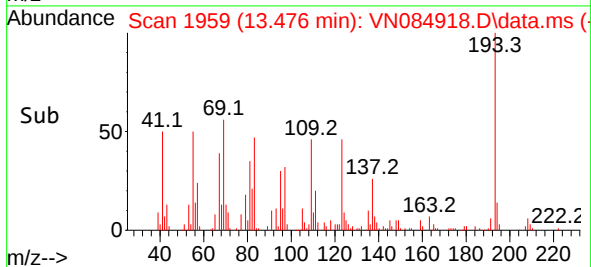
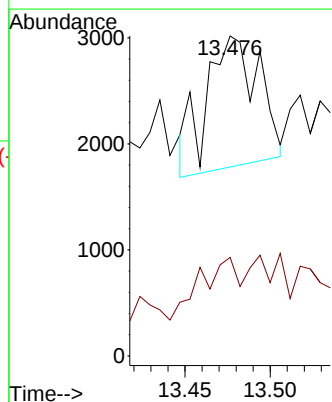
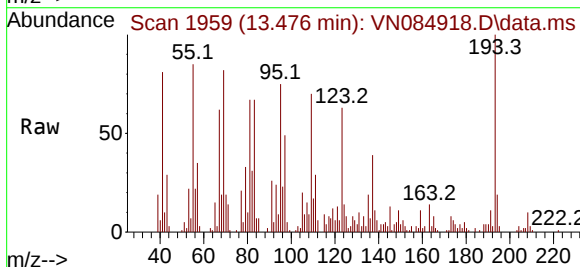
Instrument :
MSVOA_N
ClientSampleId :

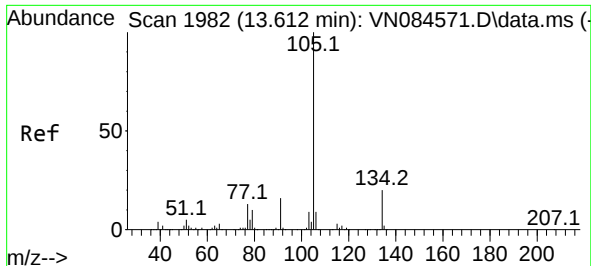
Tgt Ion: 75 Resp: 89954
Ion Ratio Lower Upper
75 100
53 0.6 78.0 117.0#
89 0.3 35.5 53.3#



#84
1,2,4-Trimethylbenzene
Concen: 0.285 ug/l
RT: 13.476 min Scan# 1959
Delta R.T. -0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Tgt Ion:105 Resp: 2654
Ion Ratio Lower Upper
105 100
120 34.4 22.3 66.8

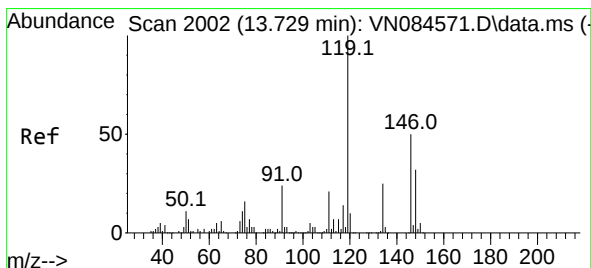
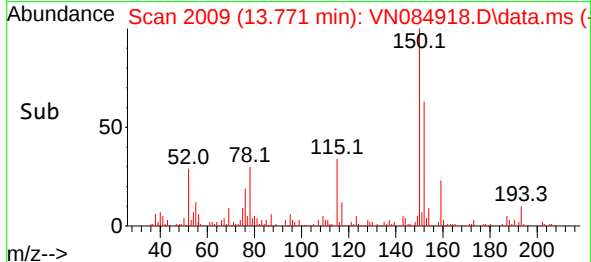
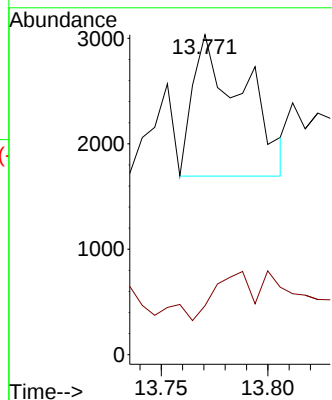
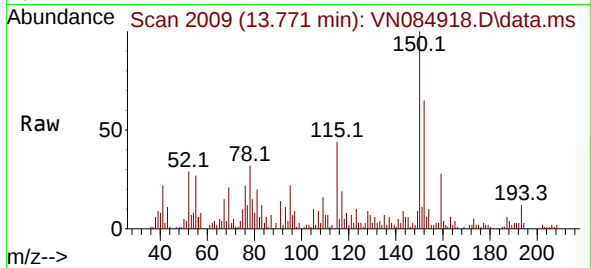




#85
 sec-Butylbenzene
 Concen: 0.210 ug/l
 RT: 13.771 min Scan# 2009
 Delta R.T. 0.153 min
 Lab File: VN084918.D
 Acq: 18 Nov 2024 14:28

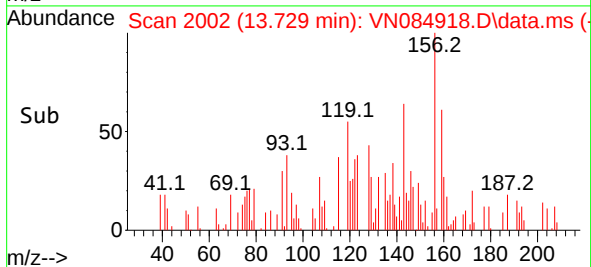
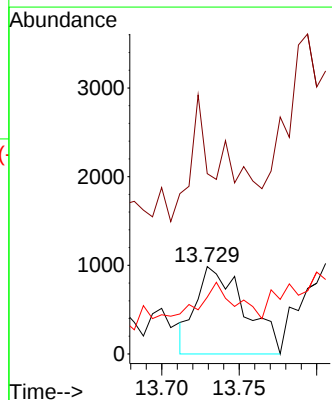
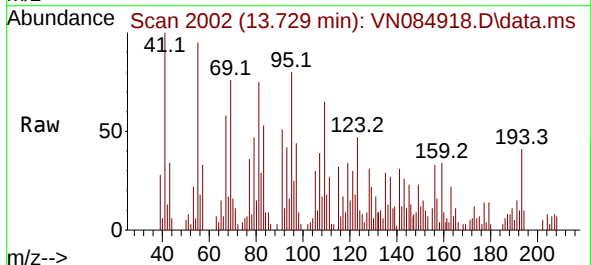
Instrument :
 MSVOA_N
 ClientSampleId :

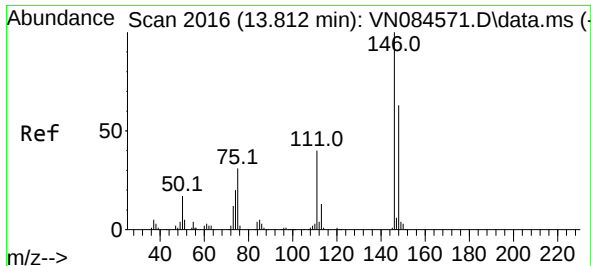
Tgt Ion:105 Resp: 2214
 Ion Ratio Lower Upper
 105 100
 134 24.3 9.8 29.4



#87
 1,3-Dichlorobenzene
 Concen: 0.375 ug/l
 RT: 13.729 min Scan# 2002
 Delta R.T. 0.000 min
 Lab File: VN084918.D
 Acq: 18 Nov 2024 14:28

Tgt Ion:146 Resp: 2141
 Ion Ratio Lower Upper
 146 100
 111 52.2 21.8 65.3
 148 27.0 31.9 95.7#

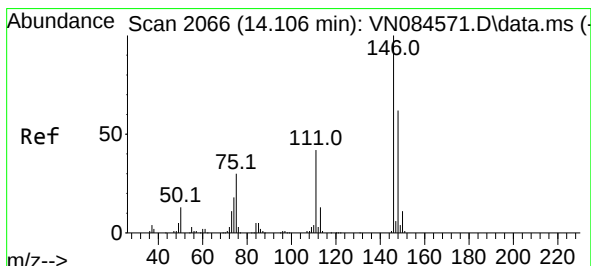
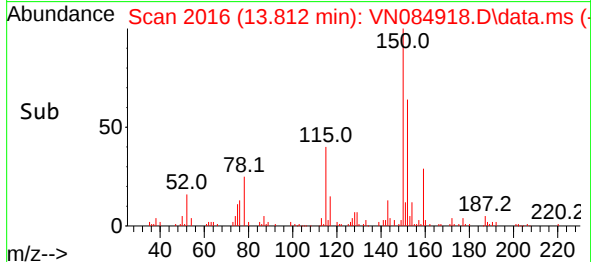
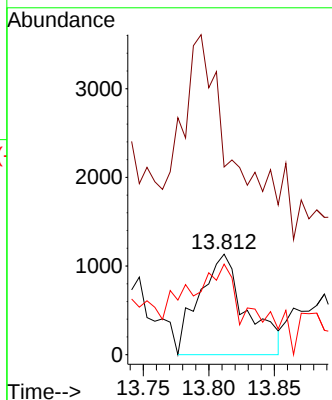
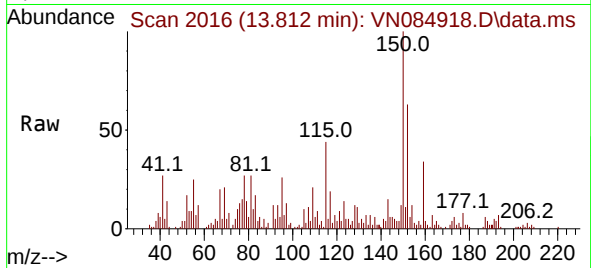




#88
1,4-Dichlorobenzene
Concen: Below Cal
RT: 13.812 min Scan# 2016
Delta R.T. -0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

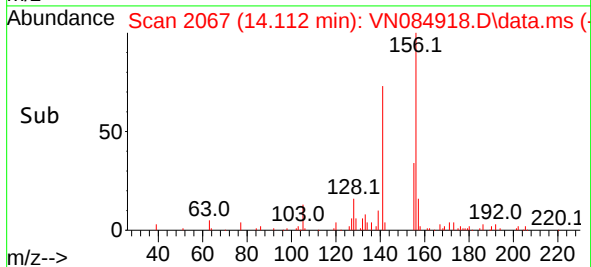
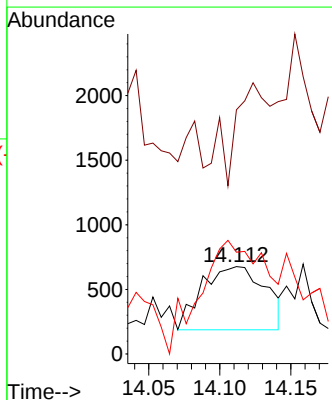
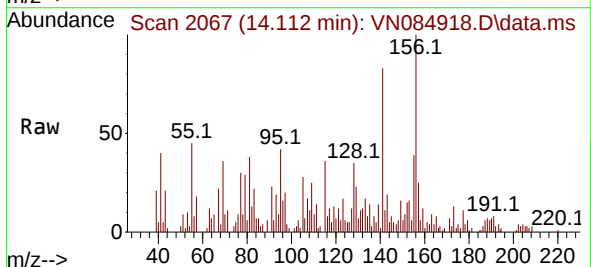
Instrument :
MSVOA_N
ClientSampleId :

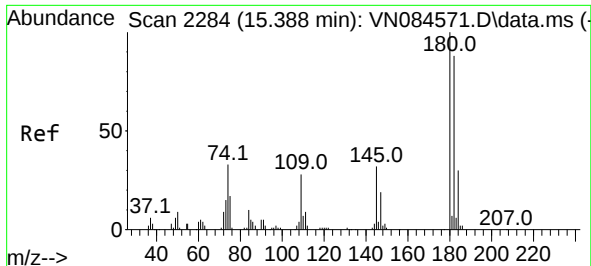
Tgt Ion:146 Resp: 2830
Ion Ratio Lower Upper
146 100
111 119.0 21.2 63.6#
148 47.1 31.9 95.9



#91
1,2-Dichlorobenzene
Concen: 0.277 ug/l
RT: 14.112 min Scan# 2067
Delta R.T. 0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

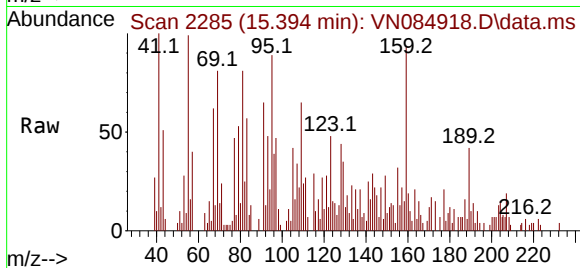
Tgt Ion:146 Resp: 1520
Ion Ratio Lower Upper
146 100
111 61.5 22.0 66.0
148 187.9 32.1 96.3#



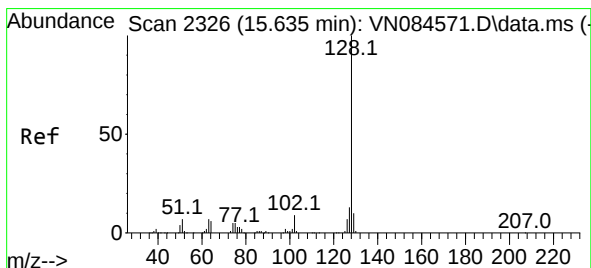
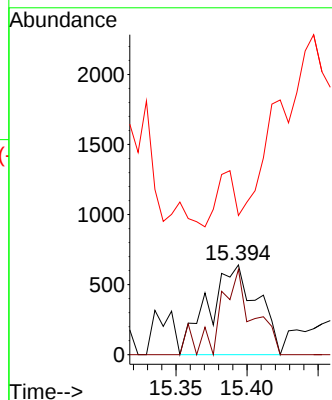
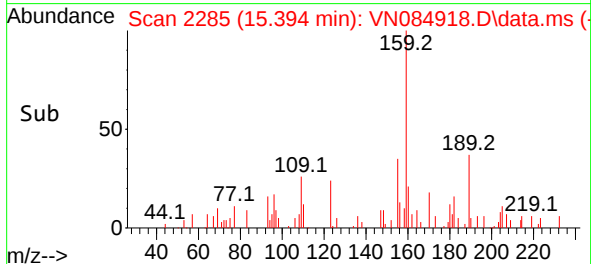


#93
1,2,4-Trichlorobenzene
Concen: 0.506 ug/l
RT: 15.394 min Scan# 21
Delta R.T. 0.006 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

Instrument :
MSVOA_N
ClientSampleId :

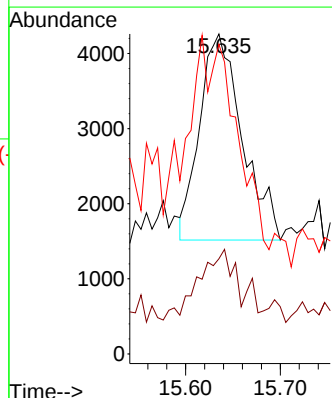
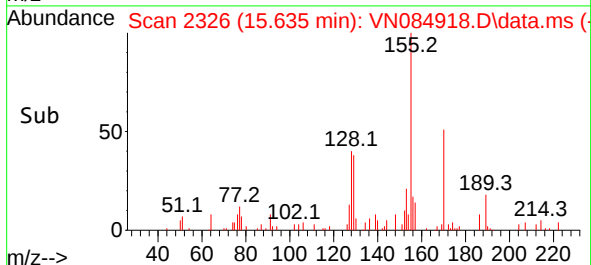
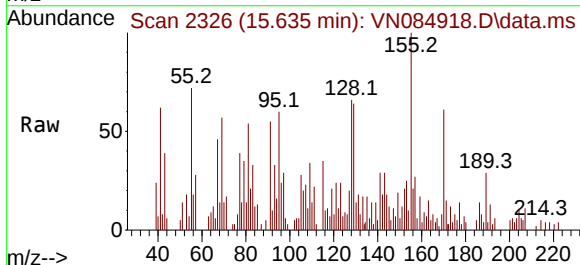


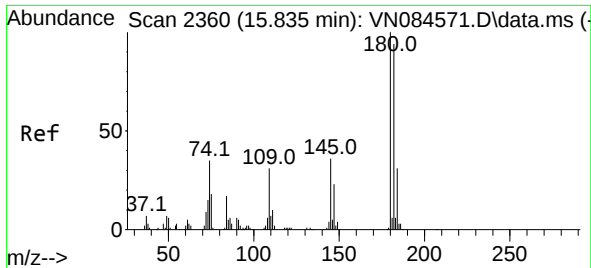
Tgt Ion:180 Resp: 1521
Ion Ratio Lower Upper
180 100
182 60.6 47.0 141.0
145 22.7 16.4 49.4



#95
Naphthalene
Concen: 0.952 ug/l
RT: 15.635 min Scan# 2326
Delta R.T. 0.000 min
Lab File: VN084918.D
Acq: 18 Nov 2024 14:28

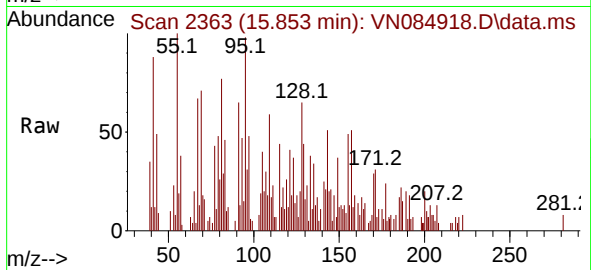
Tgt Ion:128 Resp: 8571
Ion Ratio Lower Upper
128 100
127 34.0 10.5 15.7#
129 0.0 8.7 13.1#





#96
 1,2,3-Trichlorobenzene
 Concen: 0.517 ug/l
 RT: 15.853 min Scan# 21
 Delta R.T. 0.018 min
 Lab File: VN084918.D
 Acq: 18 Nov 2024 14:28

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:180 Resp: 1509
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.2 144.6#
 145 58.8 17.3 51.9#

