

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN111424\
 Data File : VN084858.D
 Acq On : 14 Nov 2024 17:47
 Operator : JC\MD
 Sample : P4823-04
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 15 00:51:19 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)

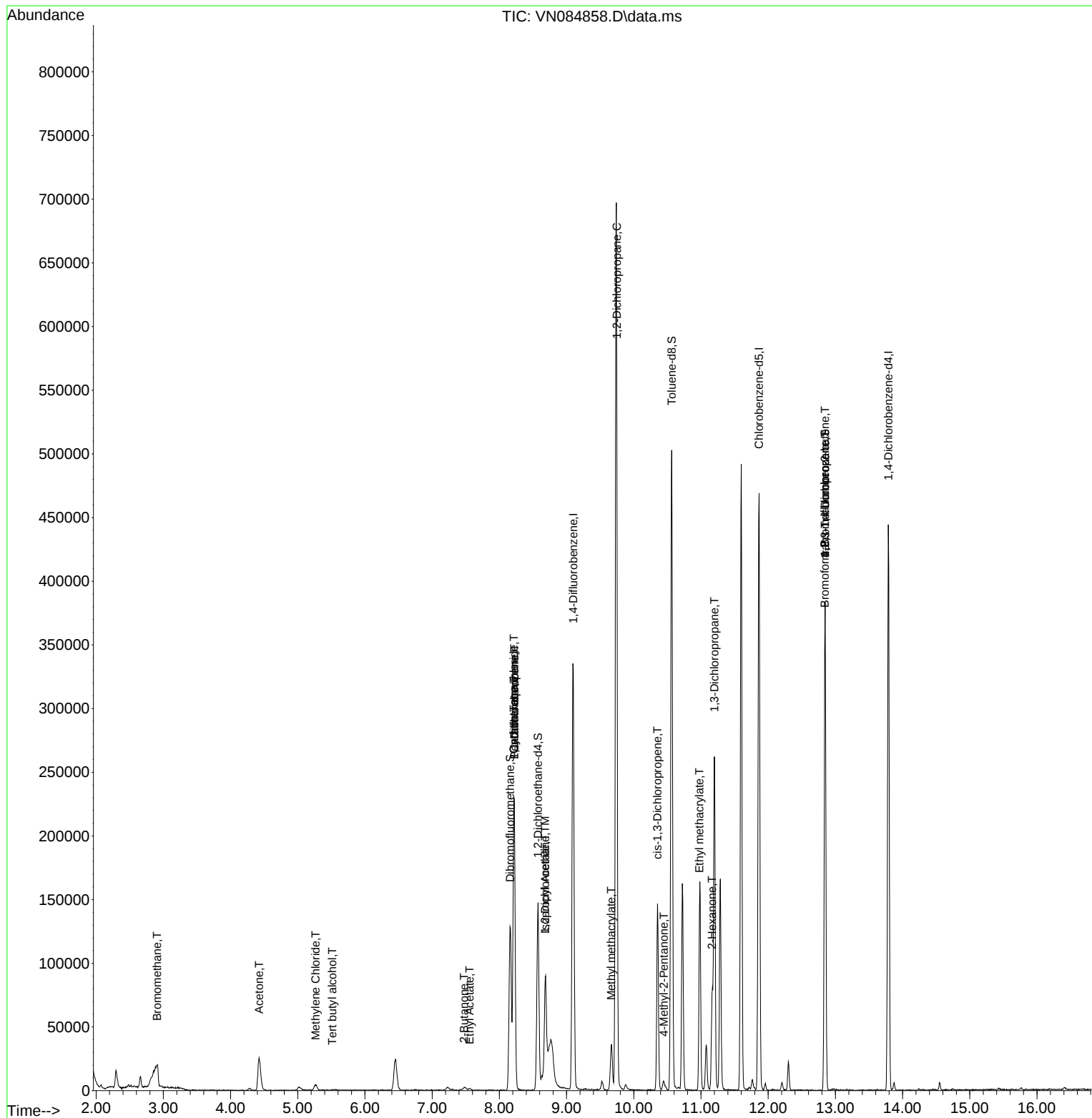
Internal Standards						
1) Pentafluorobenzene	8.224	168	169084	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	294884	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	272187	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	120413	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	120450	49.321	ug/l	0.00
Spiked Amount 50.000	Range 74 - 125		Recovery =	98.640%		
35) Dibromofluoromethane	8.159	113	95737	47.964	ug/l	0.00
Spiked Amount 50.000	Range 75 - 124		Recovery =	95.920%		
50) Toluene-d8	10.565	98	351672	47.829	ug/l	0.00
Spiked Amount 50.000	Range 86 - 113		Recovery =	95.660%		
62) 4-Bromofluorobenzene	12.847	95	135618	49.353	ug/l	0.00
Spiked Amount 50.000	Range 77 - 121		Recovery =	98.700%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.359	50	630	Below Cal	#	41
5) Bromomethane	2.906	94	234	0.211	ug/l #	4
6) Chloroethane	3.100	64	136	Below Cal	#	45
11) Tert butyl alcohol	5.512	59	548	1.700	ug/l #	73
16) Acetone	4.424	43	48446	66.582	ug/l	94
18) Methyl Acetate	5.012	43	3602	Below Cal	#	76
20) Methylene Chloride	5.265	84	3452	1.607	ug/l #	83
25) 2-Butanone	7.477	43	4410	3.871	ug/l	99
31) Cyclohexane	8.218	56	3913	1.161	ug/l #	14
36) 1,1-Dichloropropene	8.224	75	13447	4.858	ug/l #	50
37) Ethyl Acetate	7.559	43	2563	1.020	ug/l #	86
38) Carbon Tetrachloride	8.218	117	17774	5.744	ug/l #	14
42) 1,2-Dichloroethane	8.682	62	709	0.246	ug/l #	75
43) Isopropyl Acetate	8.682	43	122901	26.025	ug/l #	85
45) 1,2-Dichloropropane	9.747	63	984	0.472	ug/l #	44
48) Methyl methacrylate	9.665	41	2375	1.215	ug/l #	44
51) 4-Methyl-2-Pentanone	10.447	43	7918	3.307	ug/l #	73
54) cis-1,3-Dichloropropene	10.353	75	26970	7.936	ug/l #	59
56) Ethyl methacrylate	10.976	69	806	0.285	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	2524	0.751	ug/l #	42
59) 2-Hexanone	11.165	43	65309	37.474	ug/l #	24
71) Bromoform	12.841	173	484	0.304	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	69697	28.956	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	69697	68.695	ug/l #	11
88) 1,4-Dichlorobenzene	13.806	146	131	Below Cal	#	1

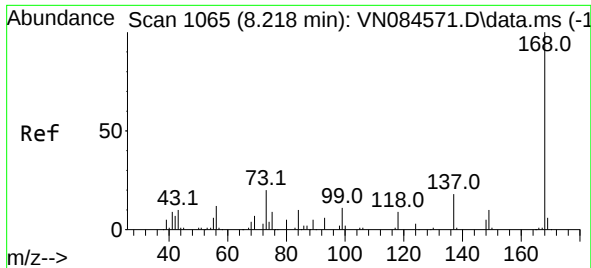
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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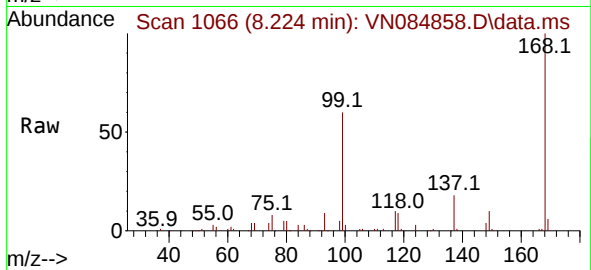
Quant Time: Nov 15 00:51:19 2024
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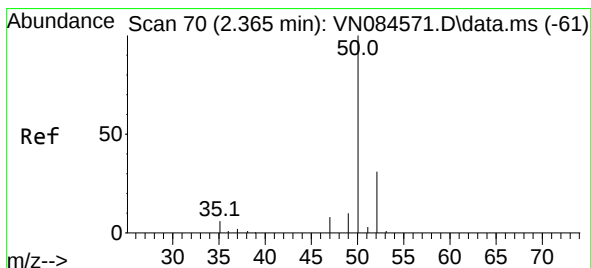
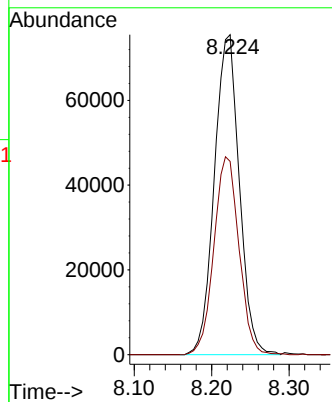
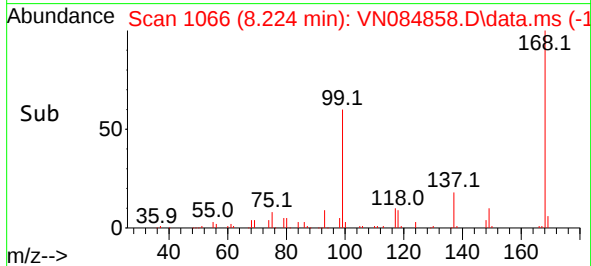


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.224 min Scan# 1066
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Instrument :
MSVOA_N
ClientSampleId :

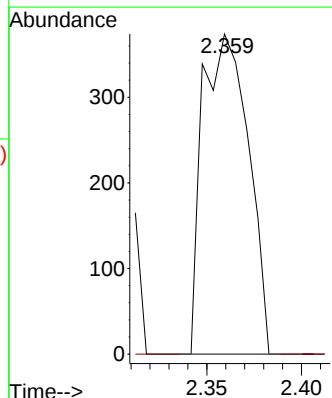
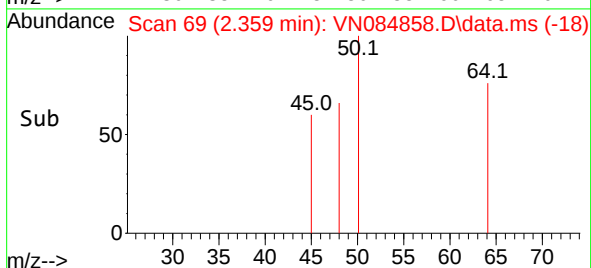
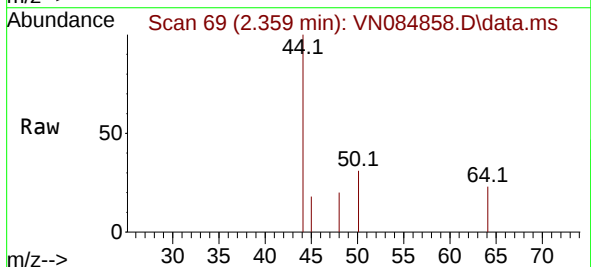


Tgt Ion:168 Resp: 169084
Ion Ratio Lower Upper
168 100
99 60.4 54.2 81.2



#3
Chloromethane
Concen: Below Cal
RT: 2.359 min Scan# 69
Delta R.T. 0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion: 50 Resp: 630
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

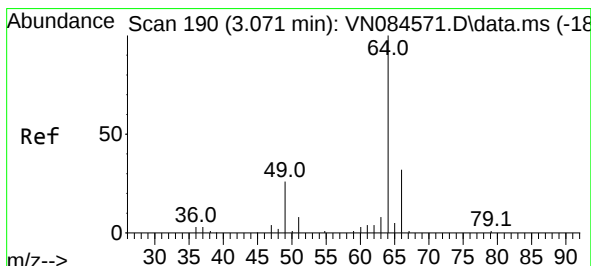
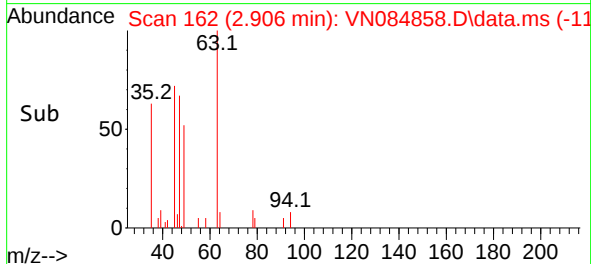
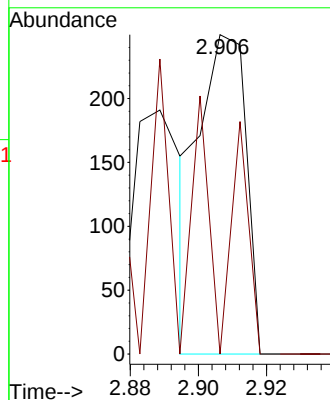
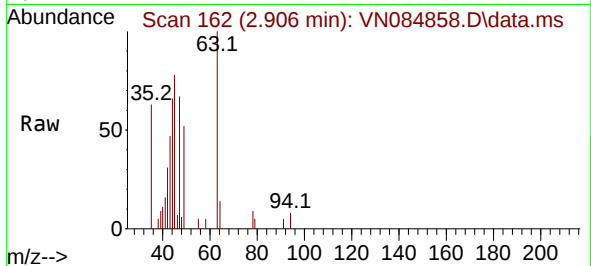




#5
Bromomethane
Concen: 0.211 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

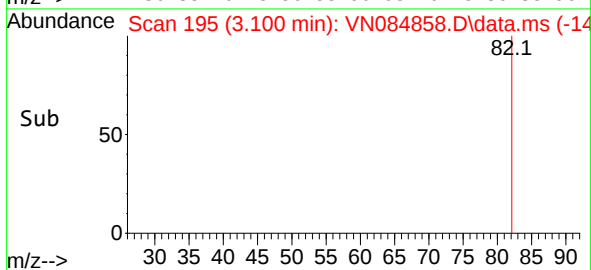
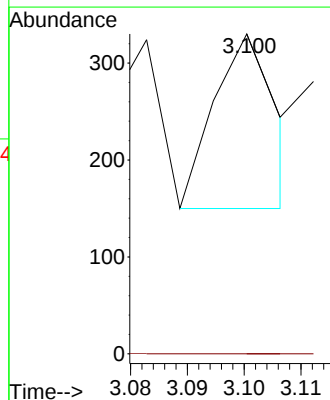
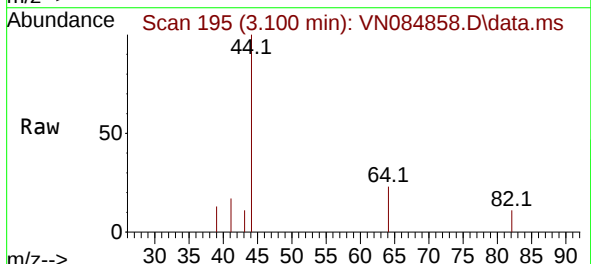
Instrument :
MSVOA_N
ClientSampleId :

Tgt Ion: 94 Resp: 234
Ion Ratio Lower Upper
94 100
96 0.0 72.9 109.3#



#6
Chloroethane
Concen: Below Cal
RT: 3.100 min Scan# 195
Delta R.T. -0.018 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

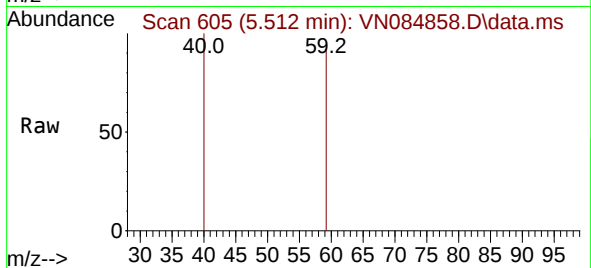
Tgt Ion: 64 Resp: 136
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



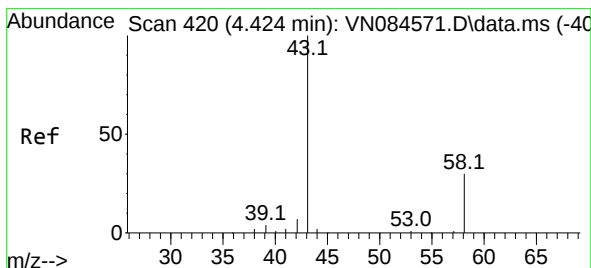
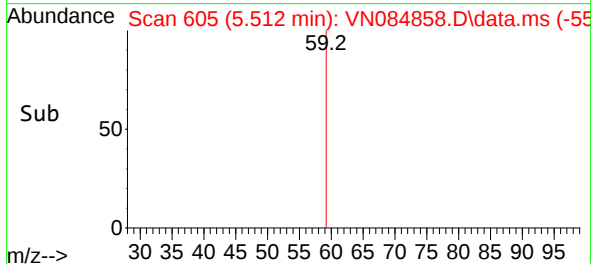
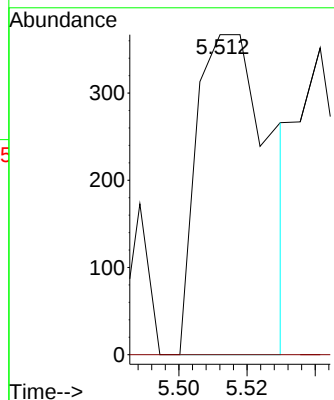


#11
Tert butyl alcohol
Concen: 1.700 ug/l
RT: 5.512 min Scan# 609
Delta R.T. -0.012 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Instrument :
MSVOA_N
ClientSampleId :

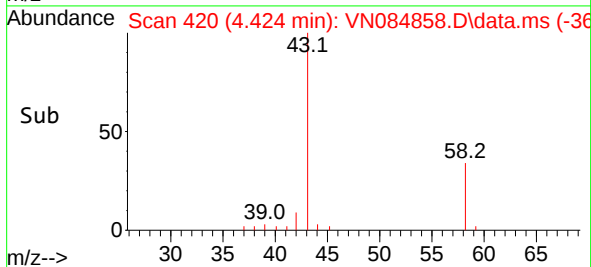
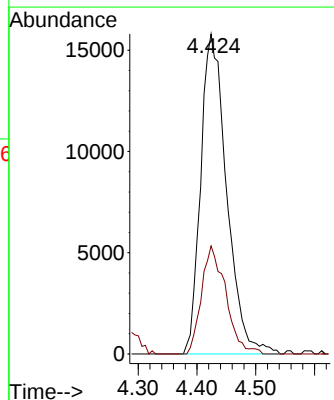
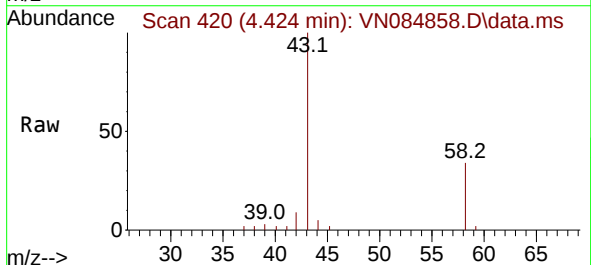


Tgt Ion: 59 Resp: 548
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#



#16
Acetone
Concen: 66.582 ug/l
RT: 4.424 min Scan# 420
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

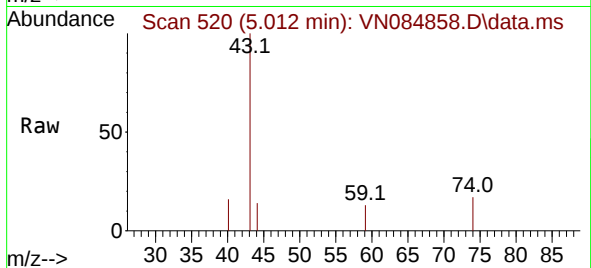
Tgt Ion: 43 Resp: 48446
Ion Ratio Lower Upper
43 100
58 33.8 24.4 36.6



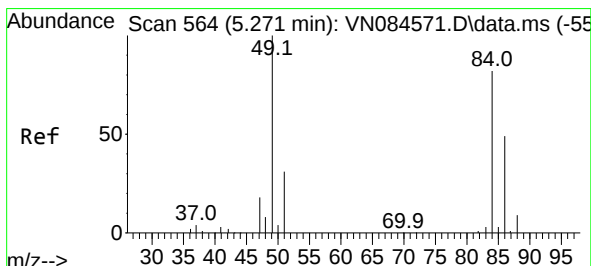
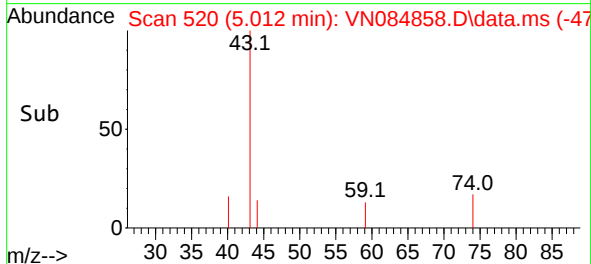
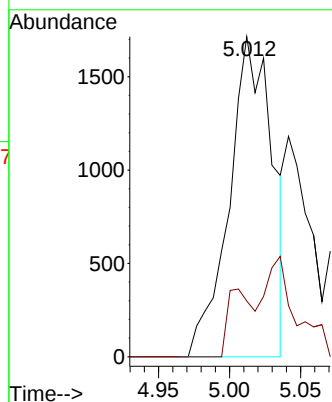


#18
Methyl Acetate
Concen: Below Cal
RT: 5.012 min Scan# 51
Delta R.T. -0.006 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Instrument :
MSVOA_N
ClientSampleId :

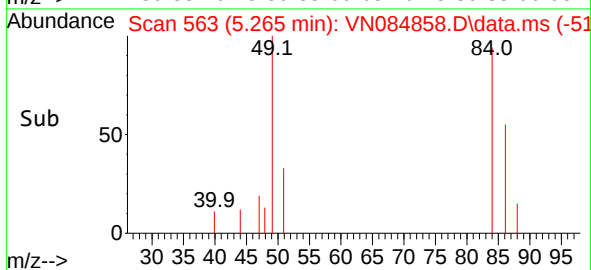
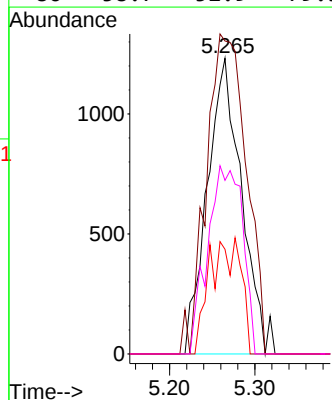
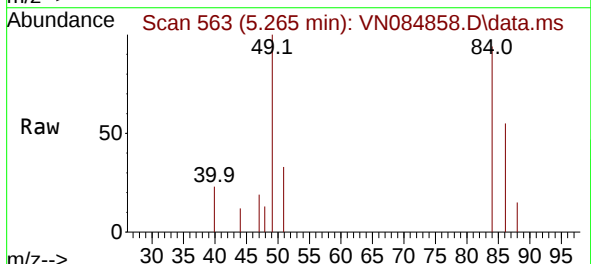


Tgt Ion: 43 Resp: 3602
Ion Ratio Lower Upper
43 100
74 12.4 19.2 28.8#



#20
Methylene Chloride
Concen: 1.607 ug/l
RT: 5.265 min Scan# 563
Delta R.T. -0.012 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

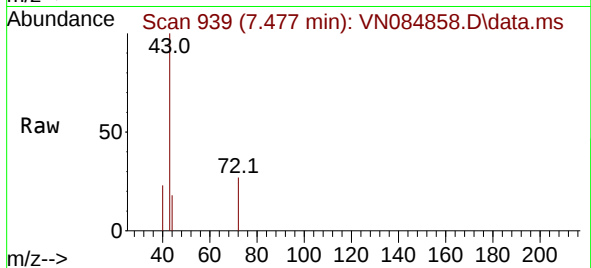
Tgt Ion: 84 Resp: 3452
Ion Ratio Lower Upper
84 100
49 105.8 107.2 160.8#
51 35.4 31.8 47.8
86 58.7 52.9 79.3



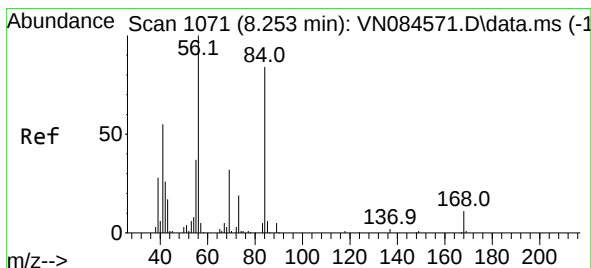
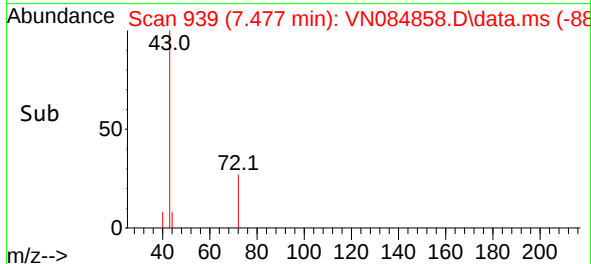
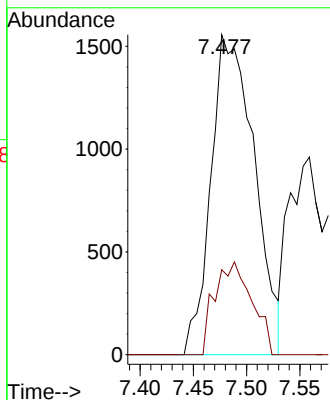


#25
2-Butanone
Concen: 3.871 ug/l
RT: 7.477 min Scan# 91
Delta R.T. -0.006 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Instrument :
MSVOA_N
ClientSampleId :

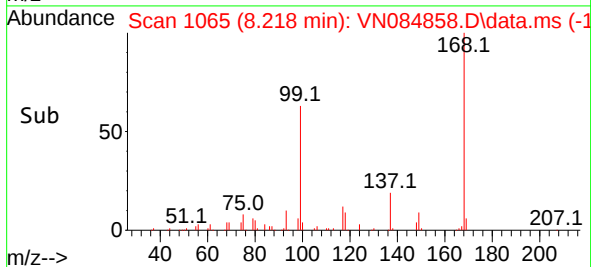
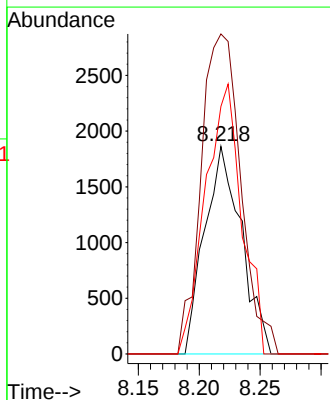
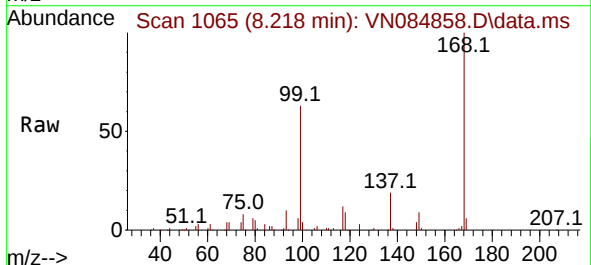


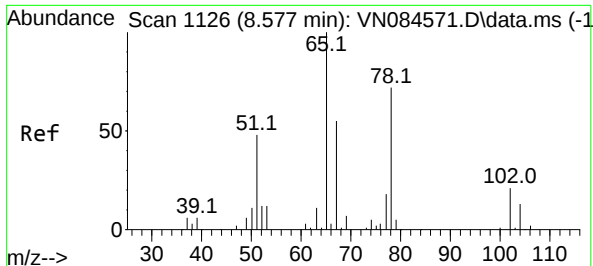
Tgt Ion: 43 Resp: 4410
Ion Ratio Lower Upper
43 100
72 26.5 21.4 32.2



#31
Cyclohexane
Concen: 1.161 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion: 56 Resp: 3913
Ion Ratio Lower Upper
56 100
69 154.2 23.8 35.6#
84 119.3 68.8 103.2#





#33

1,2-Dichloroethane-d4

Concen: 49.321 ug/l

RT: 8.577 min Scan# 1126

Delta R.T. -0.000 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

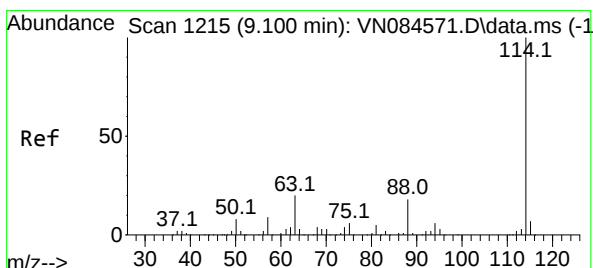
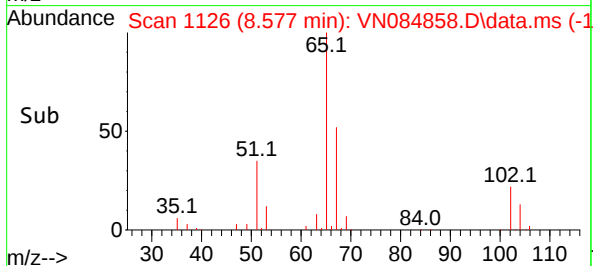
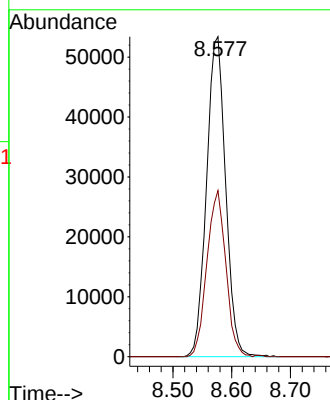
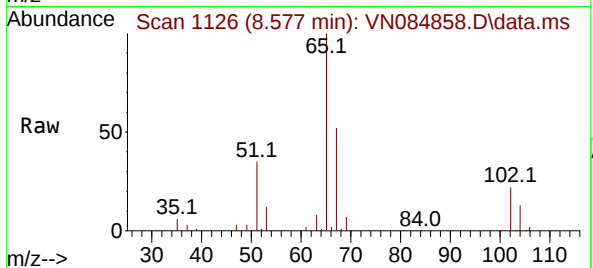
ClientSampleId :

Tgt Ion: 65 Resp: 120450

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: VN084858.D

Acq: 14 Nov 2024 17:47

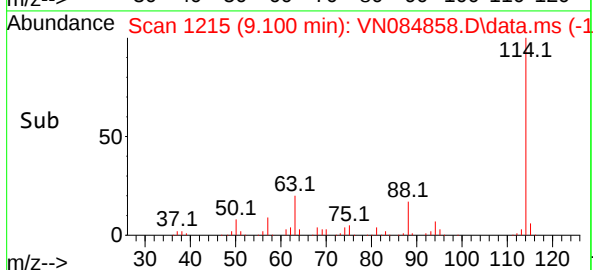
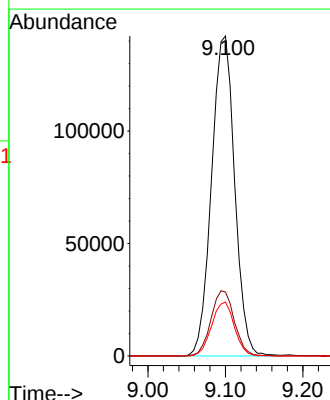
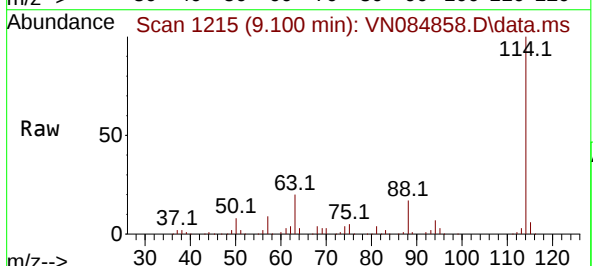
Tgt Ion: 114 Resp: 294884

Ion Ratio Lower Upper

114 100

63 20.0 0.0 43.8

88 16.9 0.0 31.6





#35

Dibromofluoromethane

Concen: 47.964 ug/l

RT: 8.159 min Scan# 1055

Delta R.T. -0.006 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :

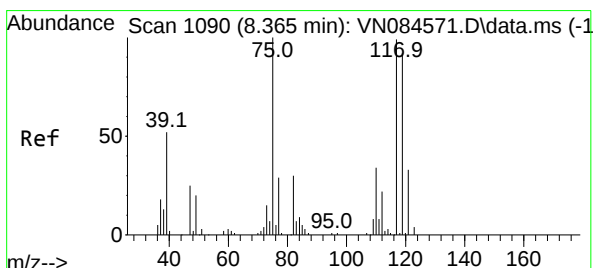
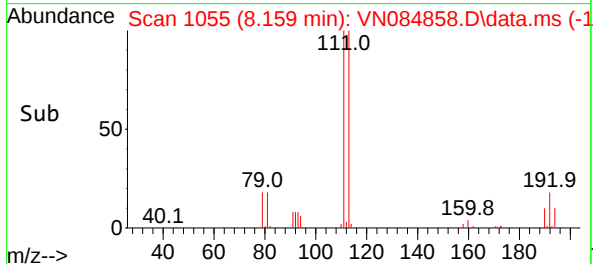
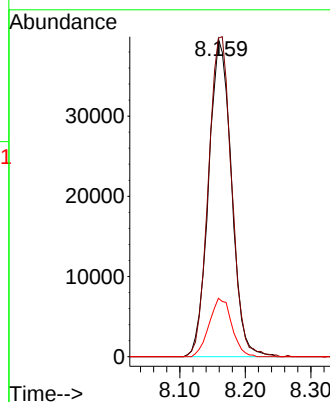
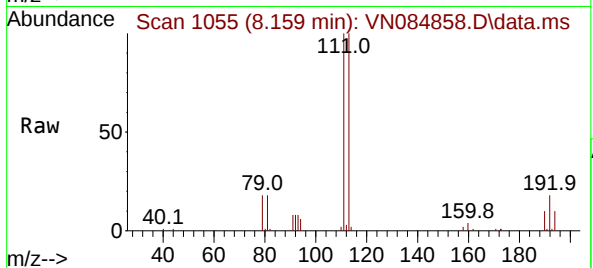
Tgt Ion:113 Resp: 95737

Ion Ratio Lower Upper

113 100

111 102.2 83.3 124.9

192 18.2 13.5 20.3



#36

1,1-Dichloropropene

Concen: 4.858 ug/l

RT: 8.224 min Scan# 1066

Delta R.T. -0.147 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

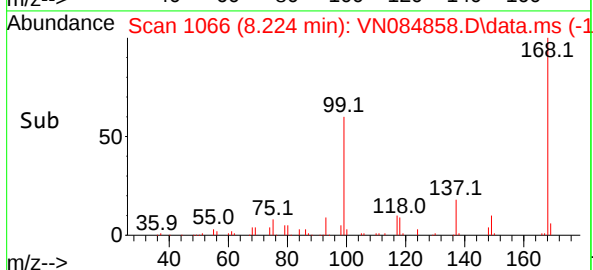
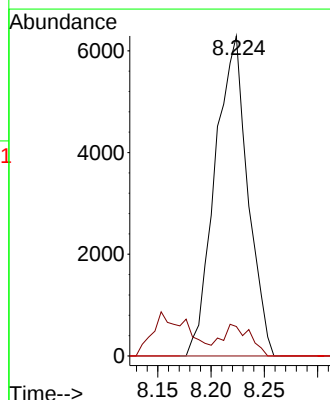
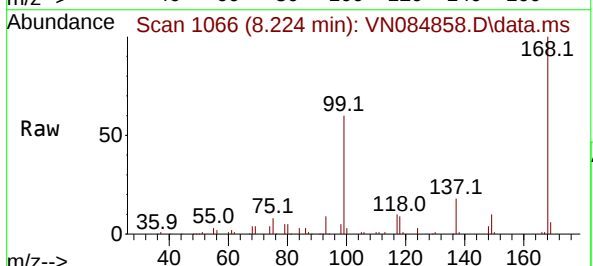
Tgt Ion: 75 Resp: 13447

Ion Ratio Lower Upper

75 100

110 8.4 16.9 50.7#

77 0.0 24.7 37.1#





#37

Ethyl Acetate

Concen: 1.020 ug/l

RT: 7.559 min Scan# 91

Delta R.T. -0.000 min

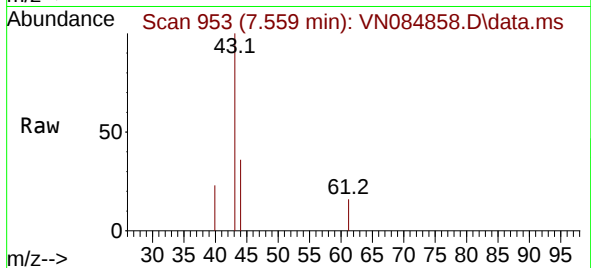
Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

ClientSampleId :



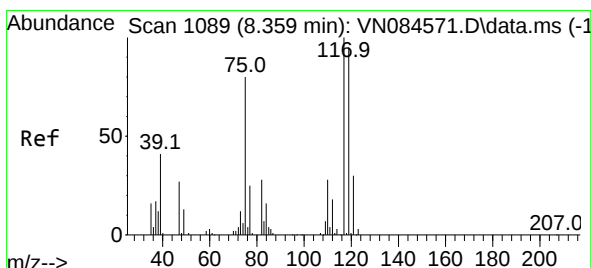
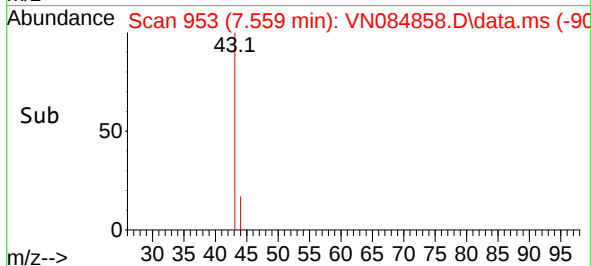
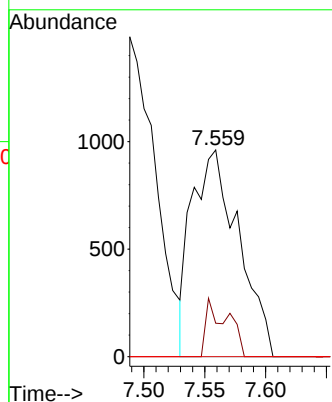
Tgt Ion: 43 Resp: 2563

Ion Ratio Lower Upper

43 100

61 12.8 10.7 16.1

70 0.0 8.8 13.2#



#38

Carbon Tetrachloride

Concen: 5.744 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.141 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

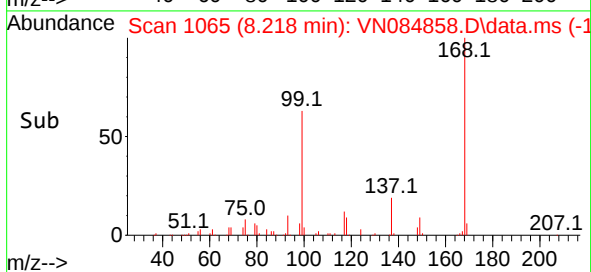
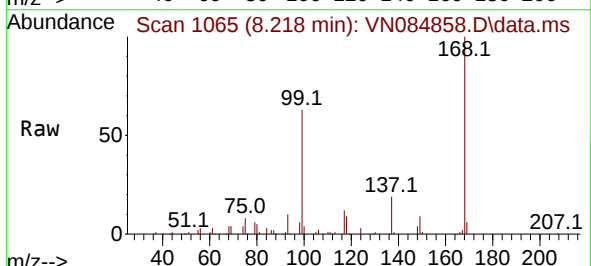
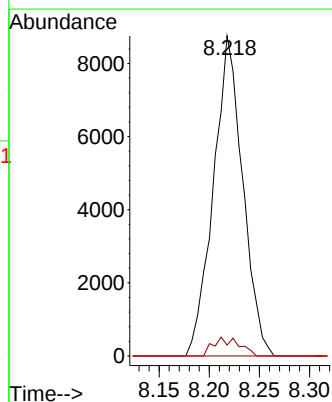
Tgt Ion: 117 Resp: 17774

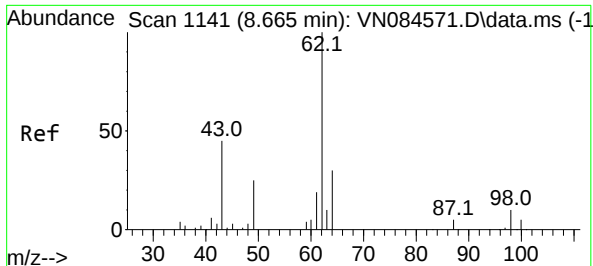
Ion Ratio Lower Upper

117 100

119 3.4 78.7 118.1#

121 0.0 24.4 36.6#





#42

1,2-Dichloroethane

Concen: 0.246 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. 0.011 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

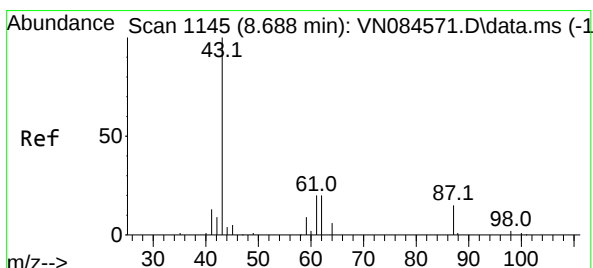
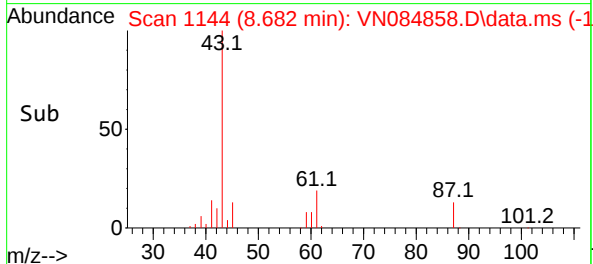
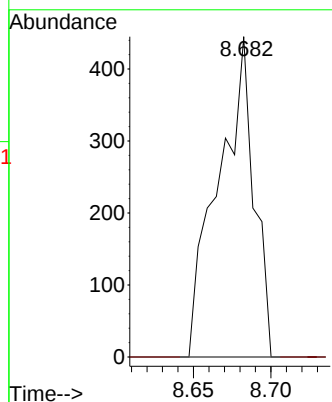
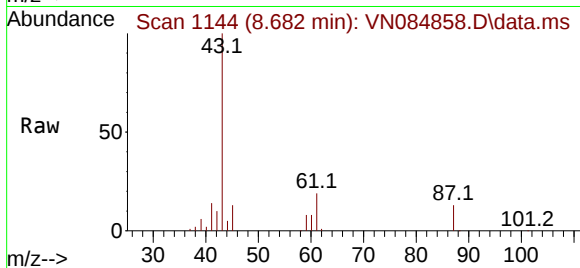
ClientSampleId :

Tgt Ion: 62 Resp: 709

Ion Ratio Lower Upper

62 100

98 0.0 0.0 18.2



#43

Isopropyl Acetate

Concen: 26.025 ug/l

RT: 8.682 min Scan# 1144

Delta R.T. -0.006 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

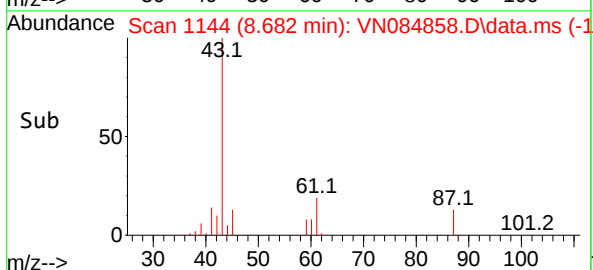
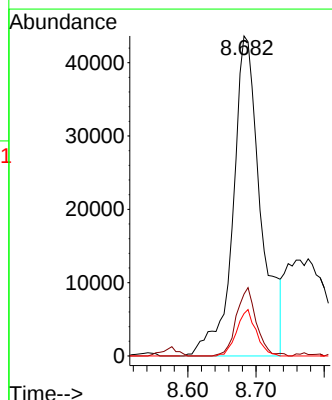
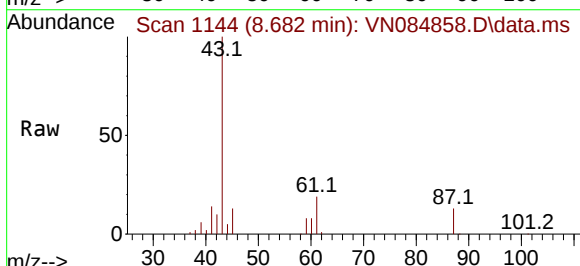
Tgt Ion: 43 Resp: 122901

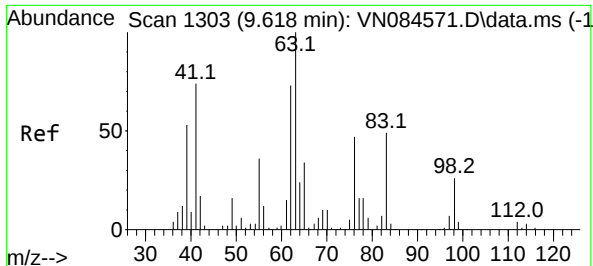
Ion Ratio Lower Upper

43 100

61 15.5 20.4 30.6#

87 10.2 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.472 ug/l

RT: 9.747 min Scan# 11

Delta R.T. 0.129 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

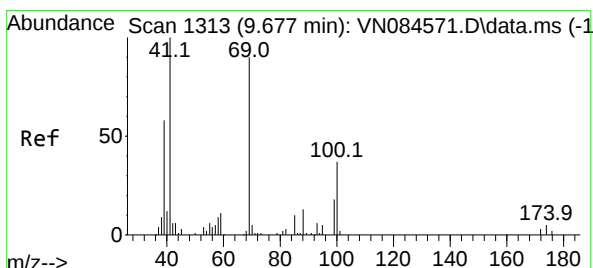
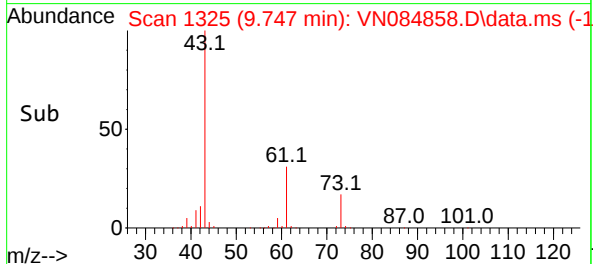
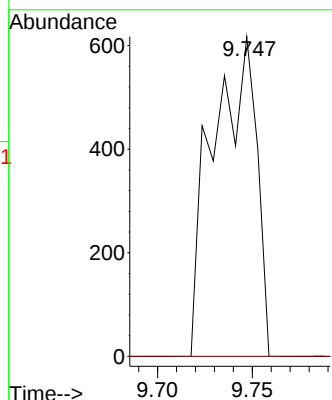
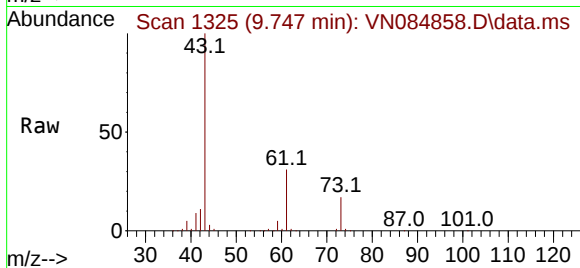
ClientSampleId :

Tgt Ion: 63 Resp: 984

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.215 ug/l

RT: 9.665 min Scan# 1311

Delta R.T. -0.012 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

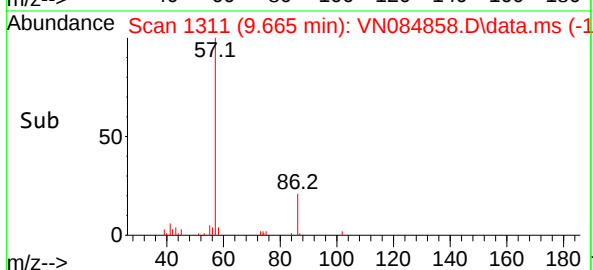
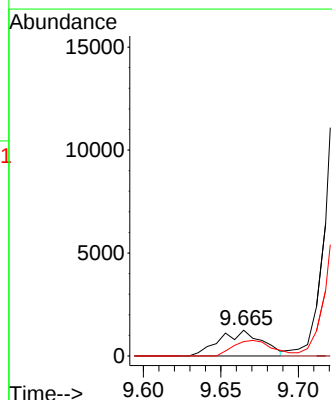
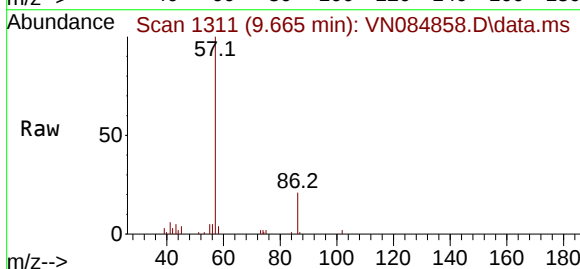
Tgt Ion: 41 Resp: 2375

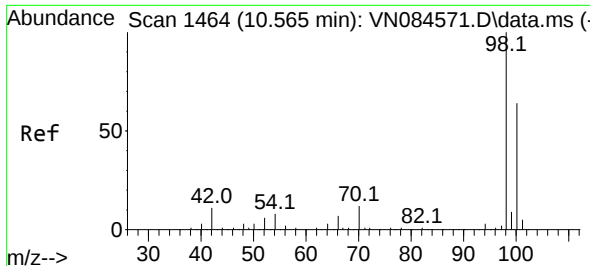
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 55.2 45.8 68.6

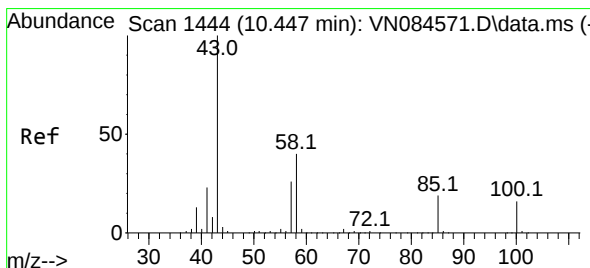
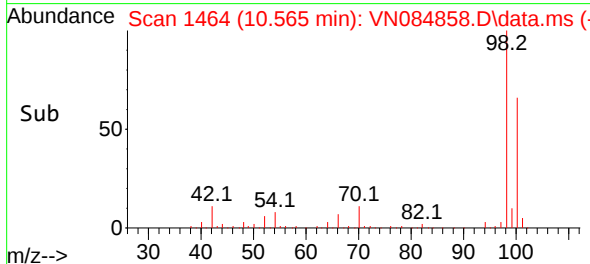
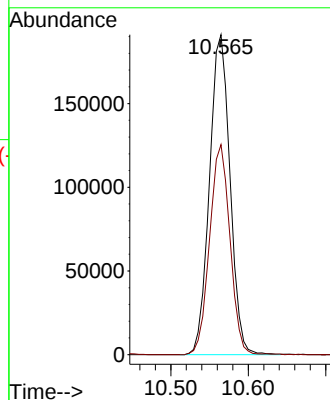
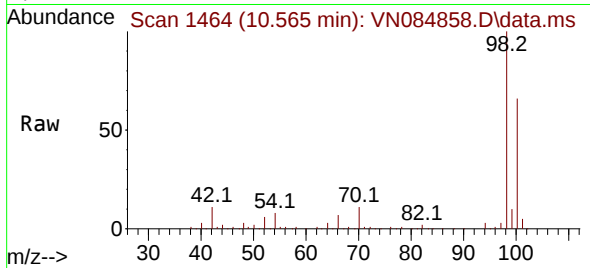




#50
Toluene-d8
Concen: 47.829 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

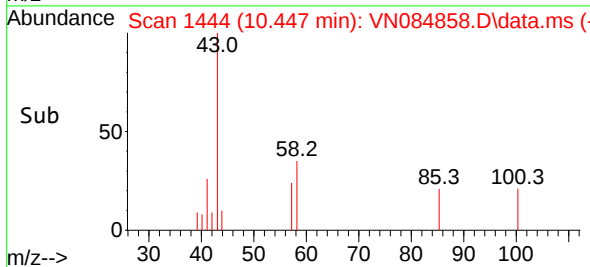
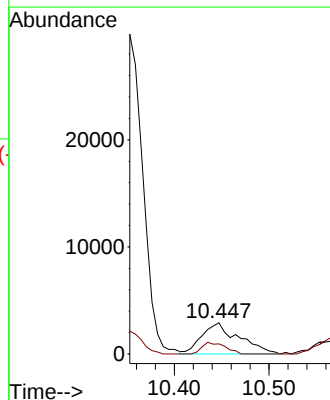
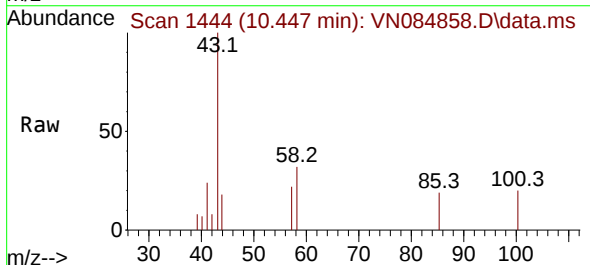
Instrument :
MSVOA_N
ClientSampleId :

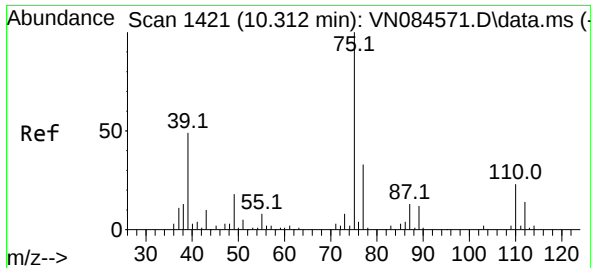
Tgt Ion: 98 Resp: 351672
Ion Ratio Lower Upper
98 100
100 65.1 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.307 ug/l
RT: 10.447 min Scan# 1444
Delta R.T. 0.006 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion: 43 Resp: 7918
Ion Ratio Lower Upper
43 100
58 23.2 31.6 47.4#

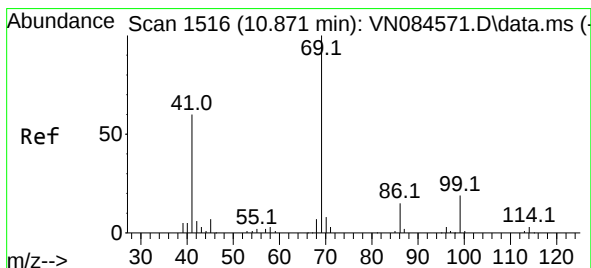
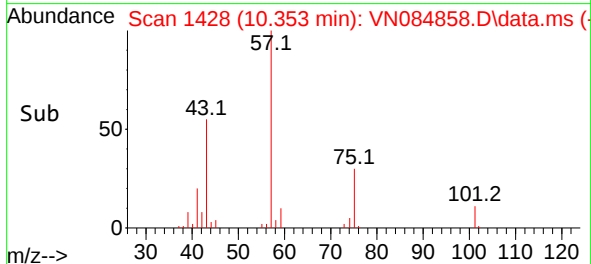
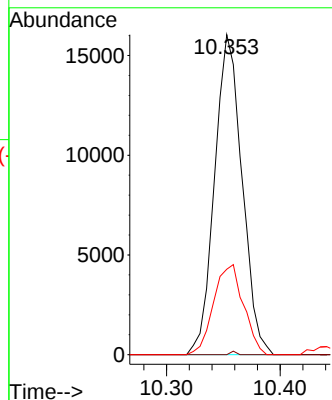
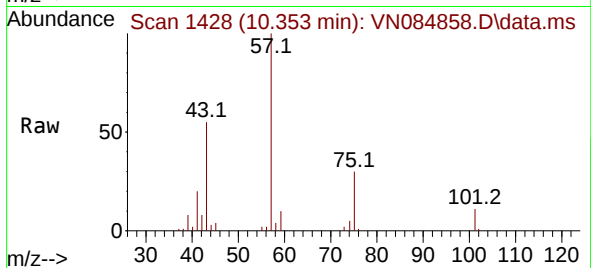




#54
cis-1,3-Dichloropropene
Concen: 7.936 ug/l
RT: 10.353 min Scan# 1428
Delta R.T. 0.041 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

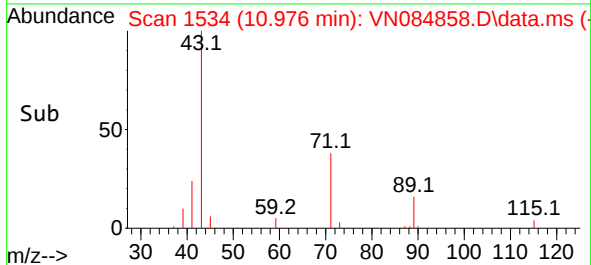
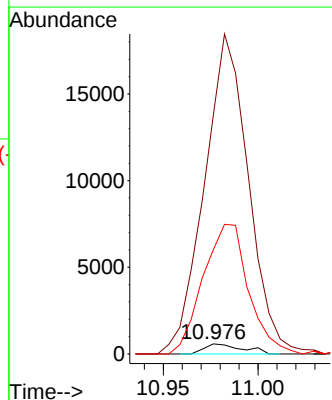
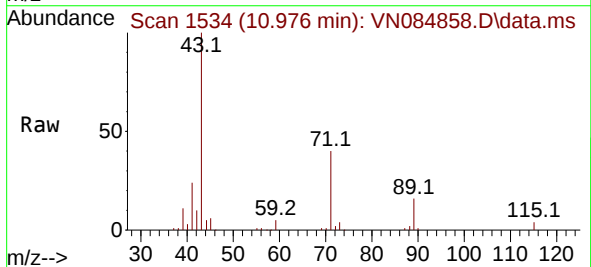
Instrument :
MSVOA_N
ClientSampleId :

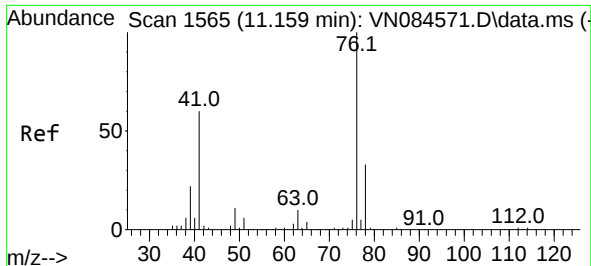
Tgt Ion: 75 Resp: 26970
Ion Ratio Lower Upper
75 100
77 0.0 24.2 36.2#
39 26.7 38.7 58.1#



#56
Ethyl methacrylate
Concen: 0.285 ug/l
RT: 10.976 min Scan# 1534
Delta R.T. 0.106 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion: 69 Resp: 806
Ion Ratio Lower Upper
69 100
41 3718.9 53.3 79.9#
39 1551.1 28.8 43.2#





#57

1,3-Dichloropropane

Concen: 0.751 ug/l

RT: 11.200 min Scan# 1572

Delta R.T. 0.041 min

Lab File: VN084858.D

Acq: 14 Nov 2024 17:47

Instrument :

MSVOA_N

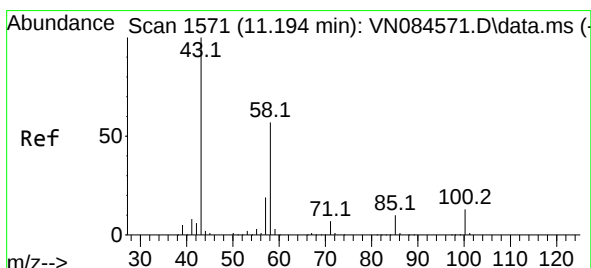
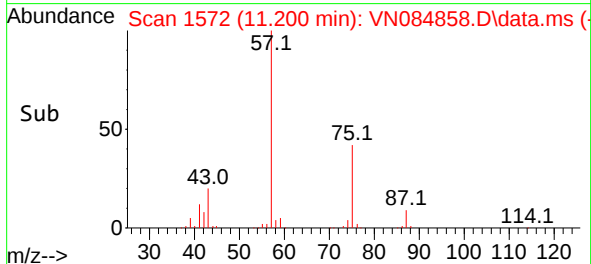
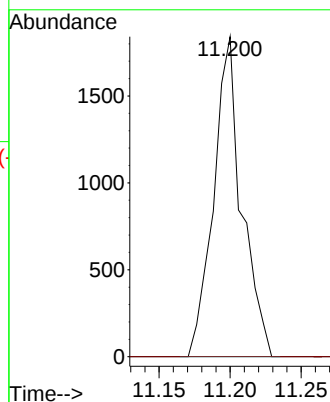
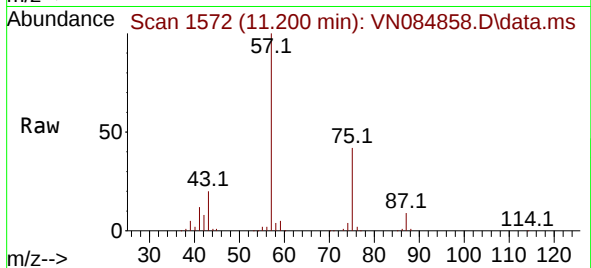
ClientSampleId :

Tgt Ion: 76 Resp: 2524

Ion Ratio Lower Upper

76 100

78 0.0 25.8 38.6#



#59

2-Hexanone

Concen: 37.474 ug/l

RT: 11.165 min Scan# 1566

Delta R.T. -0.029 min

Lab File: VN084858.D

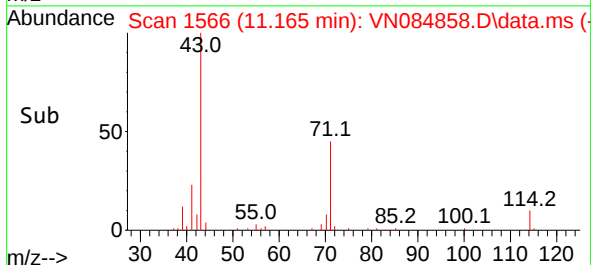
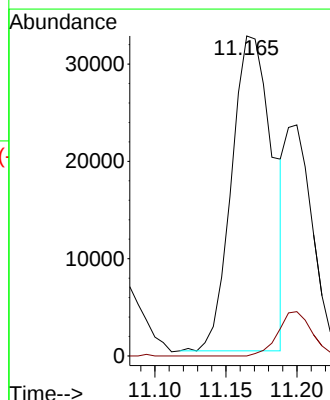
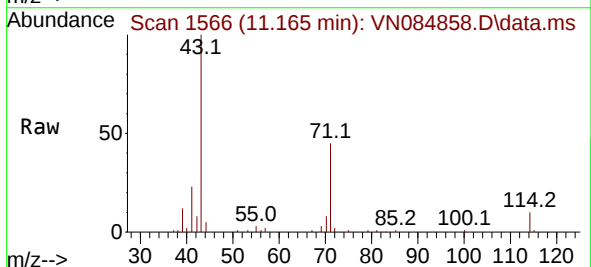
Acq: 14 Nov 2024 17:47

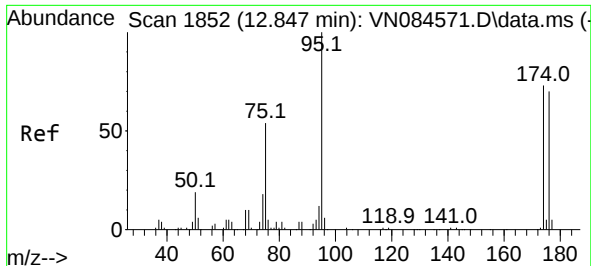
Tgt Ion: 43 Resp: 65309

Ion Ratio Lower Upper

43 100

58 0.0 27.3 81.8#

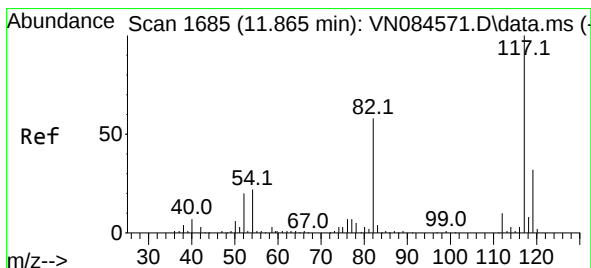
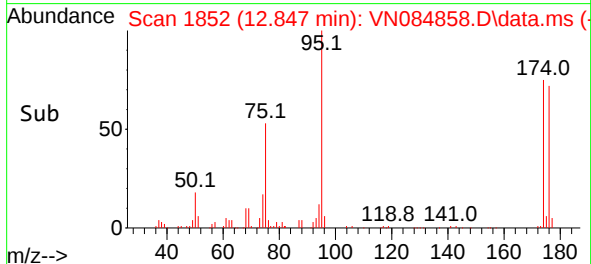
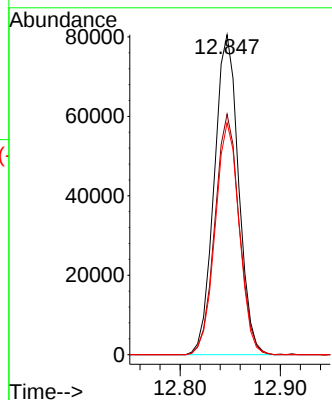
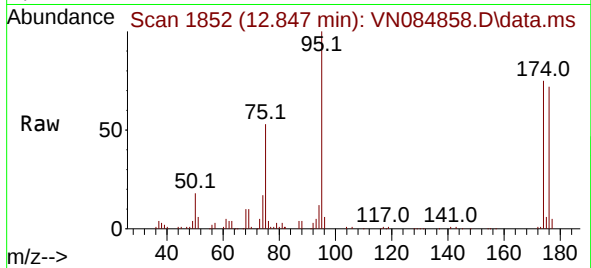




#62
4-Bromofluorobenzene
Concen: 49.353 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

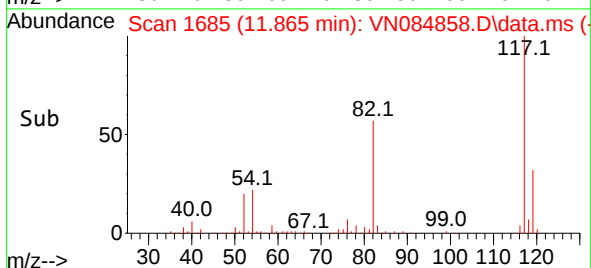
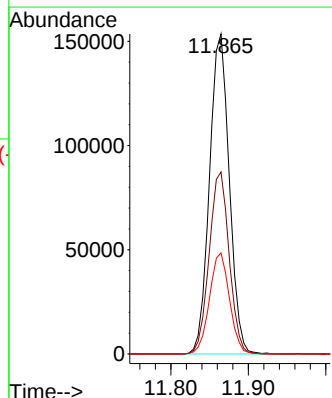
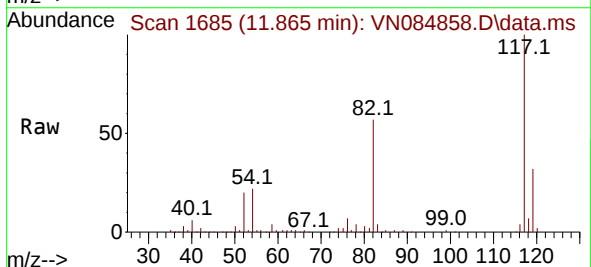
Instrument :
MSVOA_N
ClientSampleId :

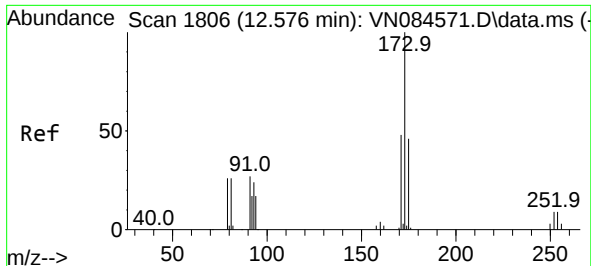
Tgt Ion: 95 Resp: 135618
Ion Ratio Lower Upper
95 100
174 75.3 0.0 145.2
176 71.7 0.0 140.0



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 1685
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion: 117 Resp: 272187
Ion Ratio Lower Upper
117 100
82 56.9 47.2 70.8
119 31.6 25.4 38.0

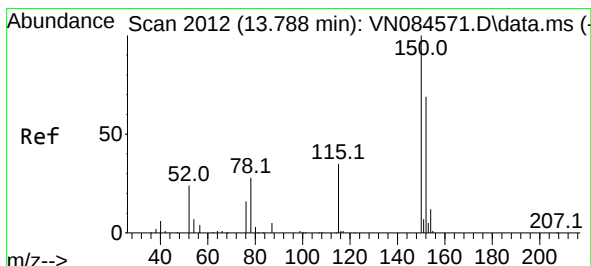
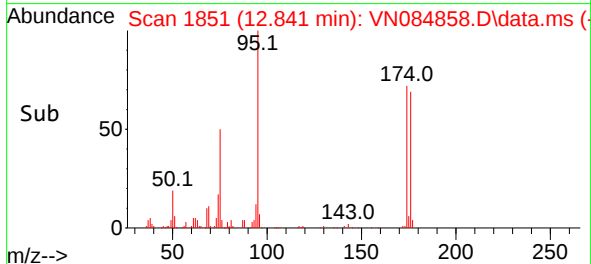
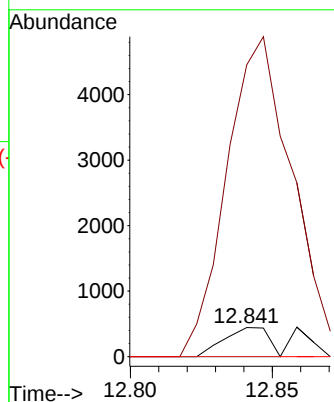
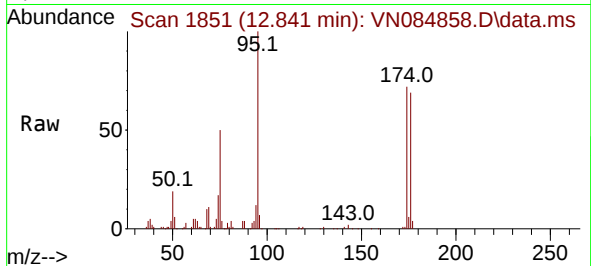




#71
Bromoform
Concen: 0.304 ug/l
RT: 12.841 min Scan# 1806
Delta R.T. 0.265 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

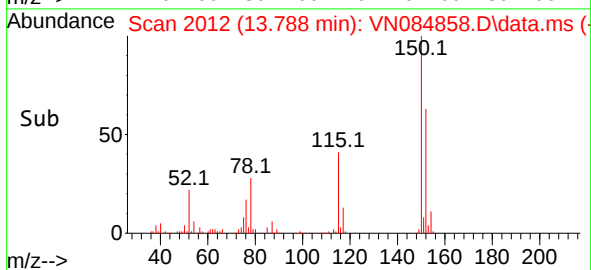
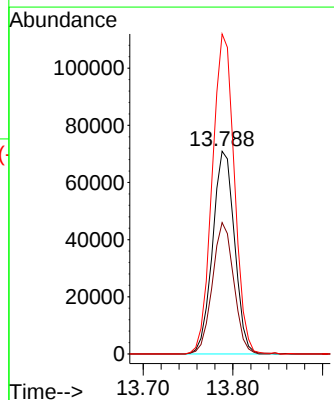
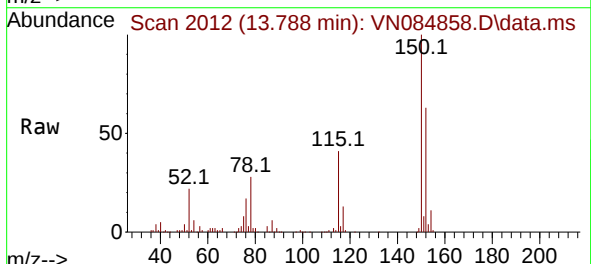
Instrument :
MSVOA_N
ClientSampleId :

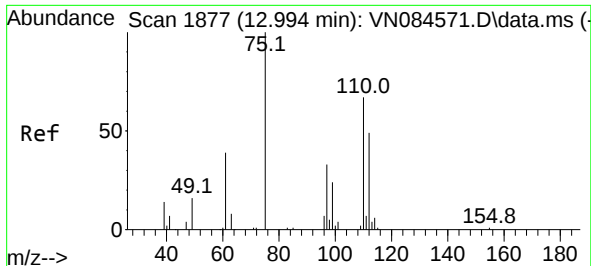
Tgt Ion:173 Resp: 484
Ion Ratio Lower Upper
173 100
175 1301.9 23.5 70.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.788 min Scan# 1212
Delta R.T. -0.000 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

Tgt Ion:152 Resp: 120413
Ion Ratio Lower Upper
152 100
115 63.0 31.3 93.9
150 158.9 0.0 349.8

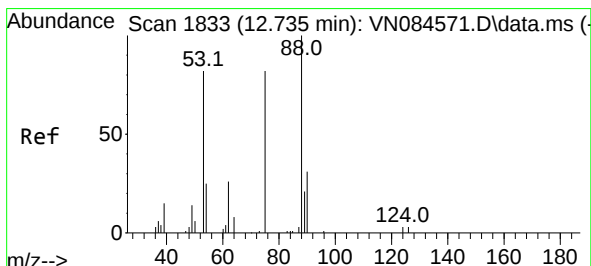
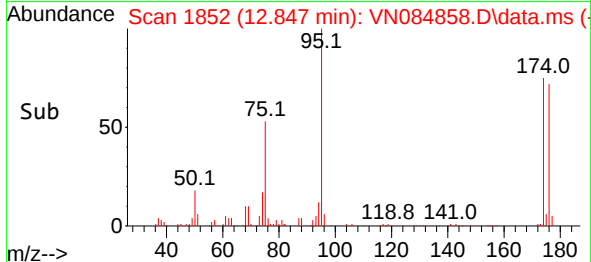
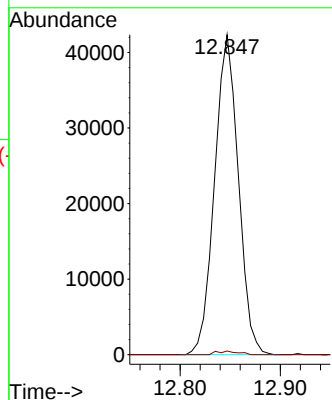
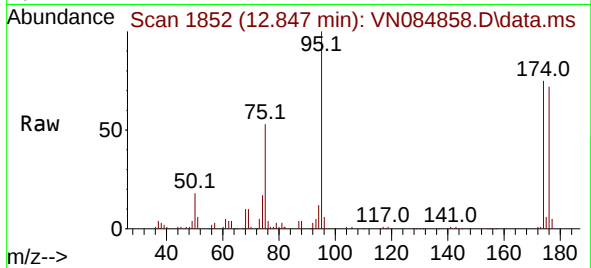




#76
1,2,3-Trichloropropane
Concen: 28.956 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. -0.141 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

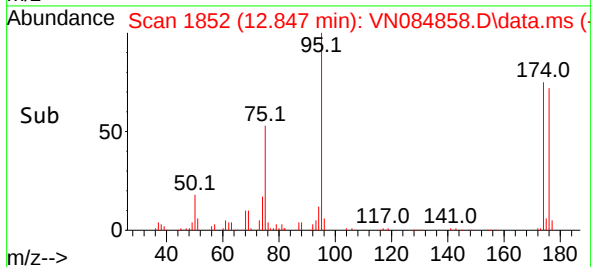
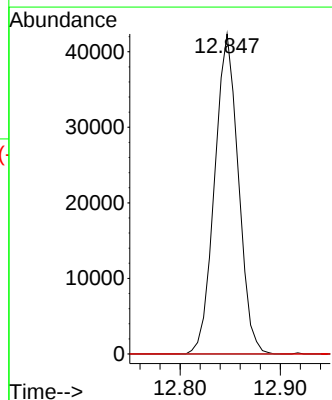
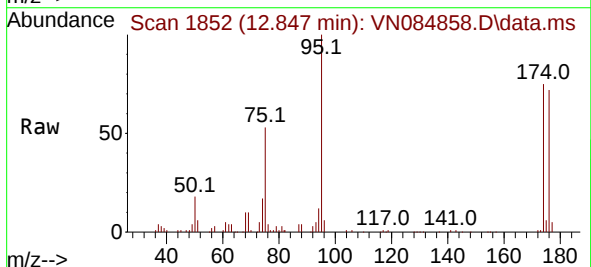
Instrument :
MSVOA_N
ClientSampleId :

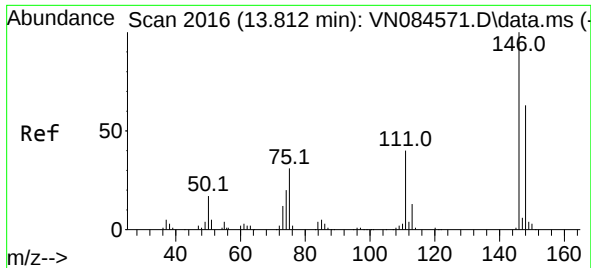
Tgt Ion: 75 Resp: 69697
Ion Ratio Lower Upper
75 100
77 1.0 96.9 290.7#



#81
trans-1,4-Dichloro-2-butene
Concen: 68.695 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.112 min
Lab File: VN084858.D
Acq: 14 Nov 2024 17:47

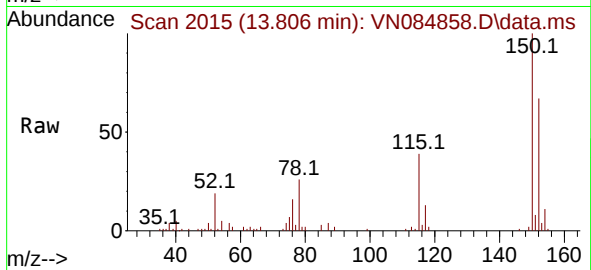
Tgt Ion: 75 Resp: 69697
Ion Ratio Lower Upper
75 100
53 0.0 78.0 117.0#
89 0.0 35.5 53.3#





#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.806 min Scan# 20
 Delta R.T. -0.006 min
 Lab File: VN084858.D
 Acq: 14 Nov 2024 17:47

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion:146 Resp: 131
 Ion Ratio Lower Upper
 146 100
 111 1381.7 21.2 63.6#
 148 208.4 31.9 95.9#

