

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN102924\
 Data File : VN084562.D
 Acq On : 29 Oct 2024 14:29
 Operator : JC\MD
 Sample : P4567-12
 Misc : 5.0mL/MSVOA_N/WATER
 ALS Vial : 1 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 30 05:03:15 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
 Quant Title : SW846 8260
 QLast Update : Tue Oct 01 07:11:01 2024
 Response via : Initial Calibration

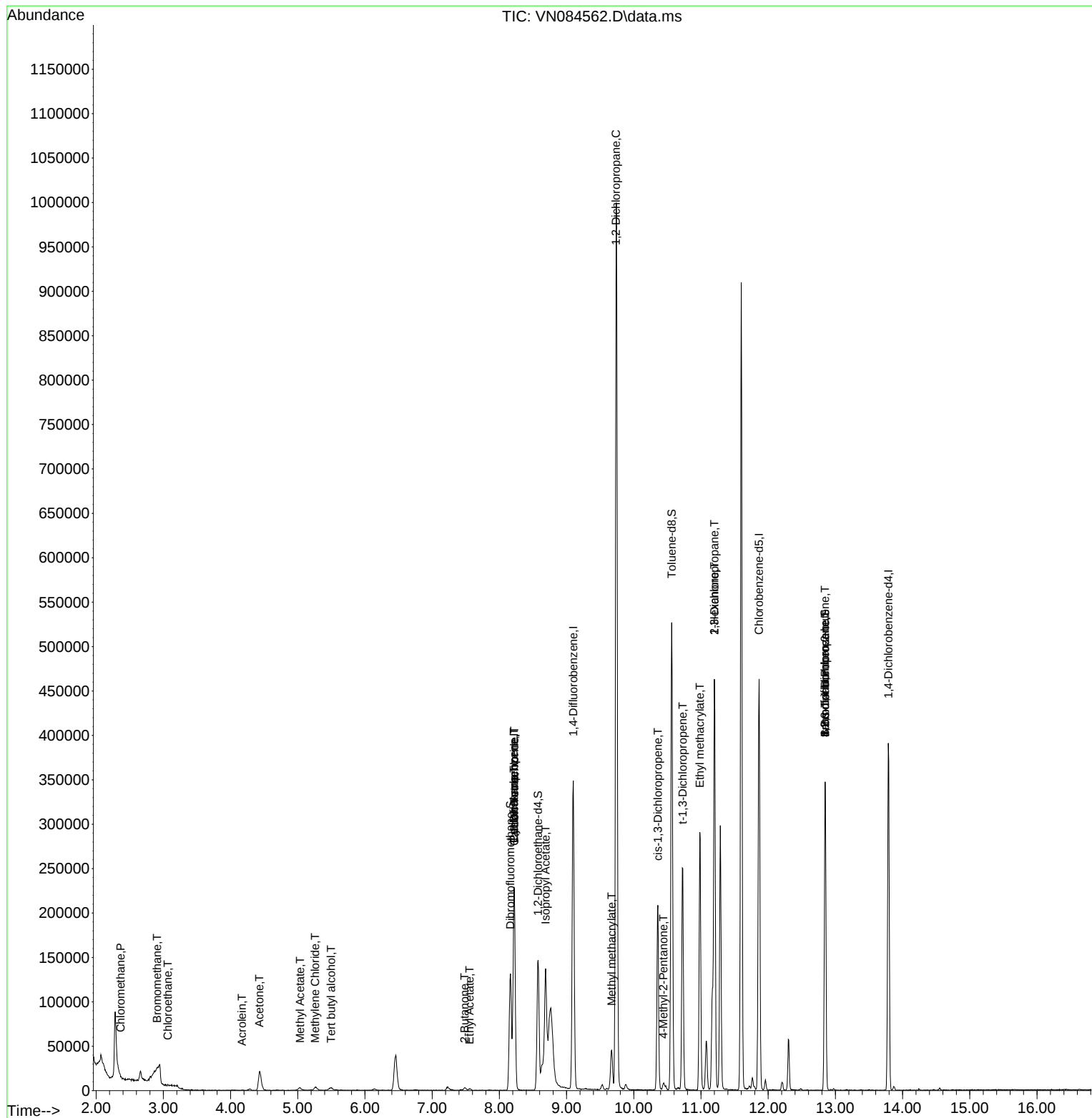
Compound	R.T. QIon		Response	Conc	Units	Dev(Min)
Internal Standards						
1) Pentafluorobenzene	8.218	168	162661	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	9.100	114	296895	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.865	117	265430	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.788	152	105531	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.577	65	122948	50.979	ug/l	0.00
Spiked Amount	50.000	Range	74 - 125	Recovery	=	101.960%
35) Dibromofluoromethane	8.165	113	94849	48.459	ug/l	0.00
Spiked Amount	50.000	Range	75 - 124	Recovery	=	96.920%
50) Toluene-d8	10.565	98	356674	49.530	ug/l	0.00
Spiked Amount	50.000	Range	86 - 113	Recovery	=	99.060%
62) 4-Bromofluorobenzene	12.847	95	120602	45.971	ug/l	0.00
Spiked Amount	50.000	Range	77 - 121	Recovery	=	91.940%
Target Compounds						Qvalue
3) Chloromethane	2.365	50	1040	0.473	ug/l #	41
5) Bromomethane	2.906	94	485	0.346	ug/l #	77
6) Chloroethane	3.065	64	582	0.382	ug/l #	45
11) Tert butyl alcohol	5.495	59	1924	4.838	ug/l #	73
13) Acrolein	4.171	56	371	0.813	ug/l #	73
16) Acetone	4.430	43	39473	38.100	ug/l	98
18) Methyl Acetate	5.036	43	6050	2.679	ug/l	95
20) Methylene Chloride	5.259	84	2742	1.302	ug/l #	64
25) 2-Butanone	7.483	43	5191	3.679	ug/l	99
31) Cyclohexane	8.218	56	3840	1.075	ug/l #	1
36) 1,1-Dichloropropene	8.218	75	14313	5.034	ug/l #	49
37) Ethyl Acetate	7.559	43	2888	0.990	ug/l #	79
38) Carbon Tetrachloride	8.224	117	17752	5.692	ug/l #	16
43) Isopropyl Acetate	8.688	43	184019	32.210	ug/l #	79
45) 1,2-Dichloropropane	9.735	63	1207	0.576	ug/l #	44
48) Methyl methacrylate	9.671	41	3016	1.326	ug/l #	40
51) 4-Methyl-2-Pentanone	10.441	43	8544	3.077	ug/l #	80
53) t-1,3-Dichloropropene	10.729	75	868	0.271	ug/l #	88
54) cis-1,3-Dichloropropene	10.359	75	37296	10.827	ug/l #	63
56) Ethyl methacrylate	10.982	69	1712	0.537	ug/l #	1
57) 1,3-Dichloropropane	11.200	76	4272	1.235	ug/l #	42
59) 2-Hexanone	11.200	43	57119	27.523	ug/l #	56
71) Bromoform	12.847	173	833	0.558	ug/l #	1
76) 1,2,3-Trichloropropane	12.847	75	63541	29.493	ug/l #	1
81) trans-1,4-Dichloro-2-b...	12.847	75	63541	70.708	ug/l #	11

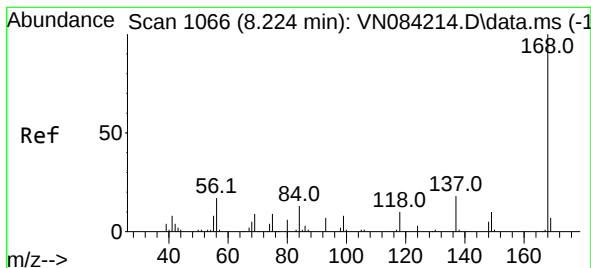
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
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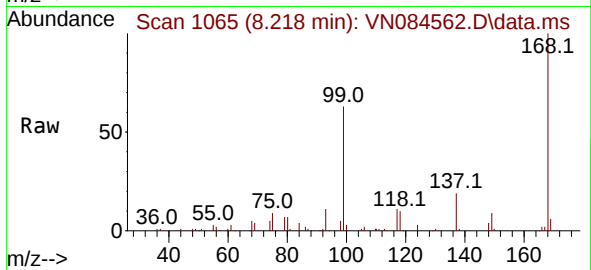
Quant Time: Oct 30 05:03:15 2024
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N093024W.M
Quant Title : SW846 8260
QLast Update : Tue Oct 01 07:11:01 2024
Response via : Initial Calibration



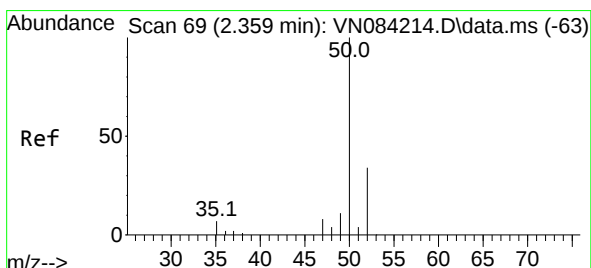
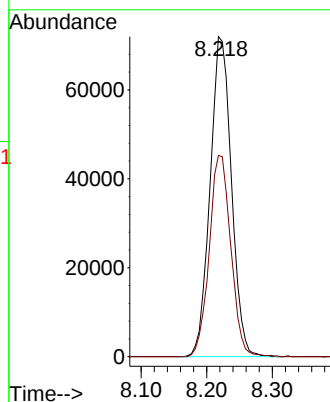
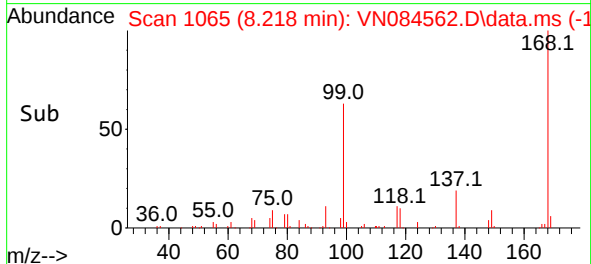


#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.218 min Scan# 10
Delta R.T. -0.006 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :

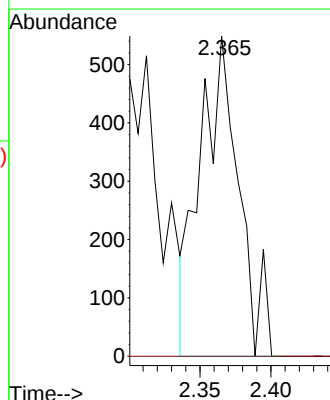
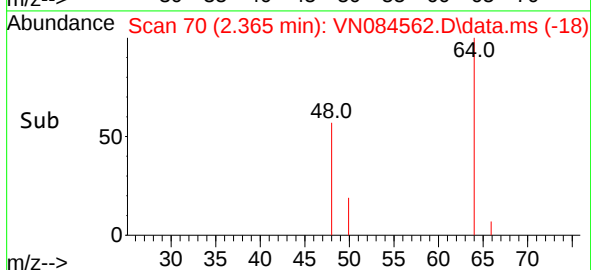
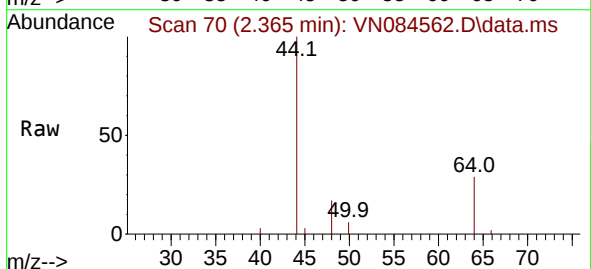


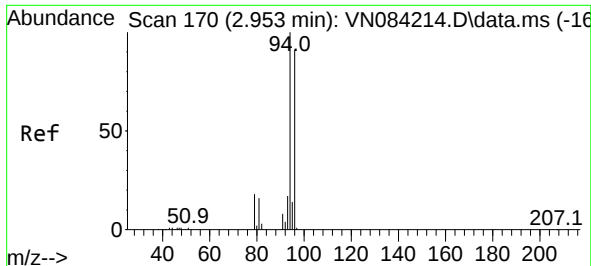
Tgt Ion:168 Resp: 162661
Ion Ratio Lower Upper
168 100
99 62.9 54.2 81.2



#3
Chloromethane
Concen: 0.473 ug/l
RT: 2.365 min Scan# 70
Delta R.T. 0.006 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 50 Resp: 1040
Ion Ratio Lower Upper
50 100
52 0.0 26.8 40.2#

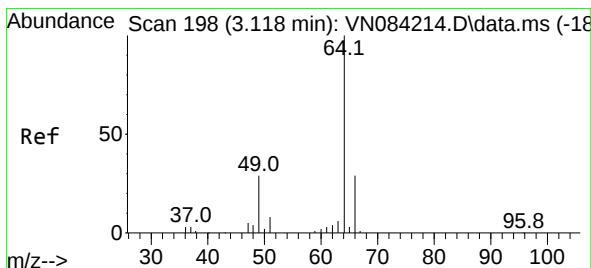
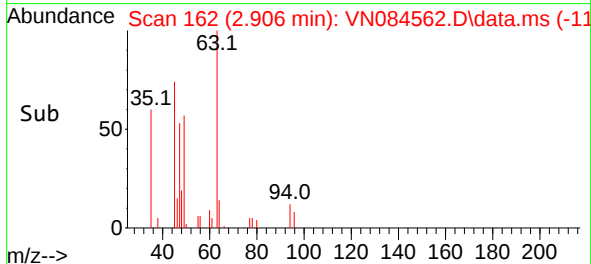
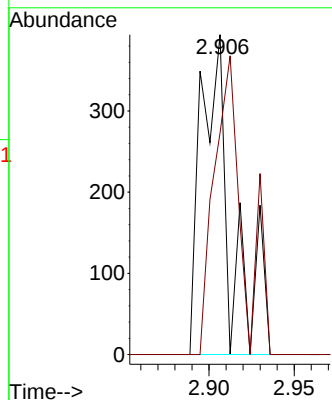
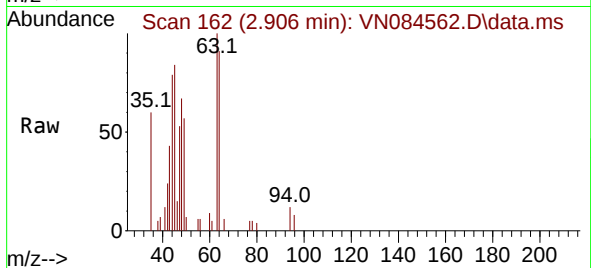




#5
Bromomethane
Concen: 0.346 ug/l
RT: 2.906 min Scan# 11
Delta R.T. -0.047 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

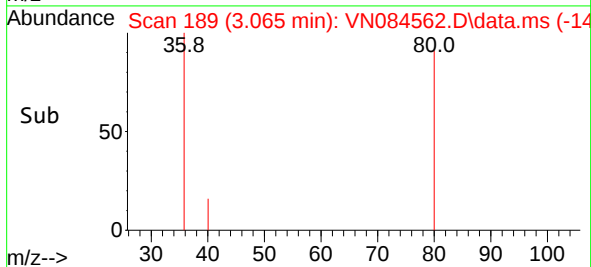
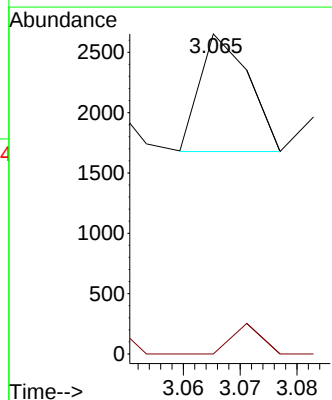
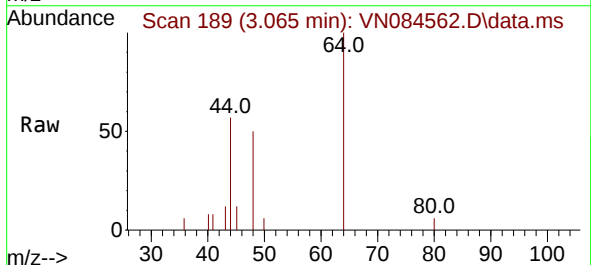
Instrument :
MSVOA_N
ClientSampleId :

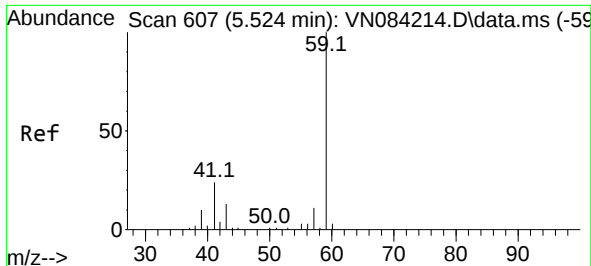
Tgt Ion: 94 Resp: 485
Ion Ratio Lower Upper
94 100
96 69.3 72.9 109.3#



#6
Chloroethane
Concen: 0.382 ug/l
RT: 3.065 min Scan# 189
Delta R.T. -0.053 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

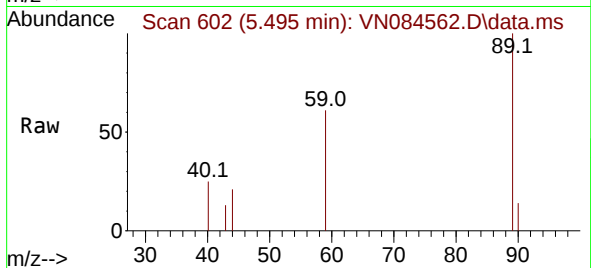
Tgt Ion: 64 Resp: 582
Ion Ratio Lower Upper
64 100
66 0.0 23.5 35.3#



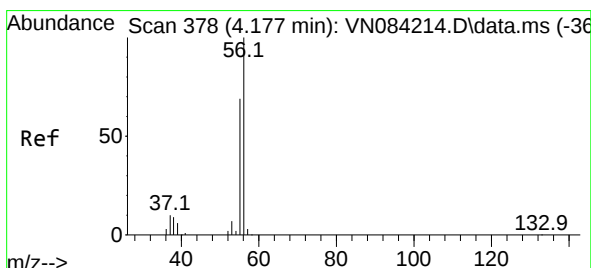
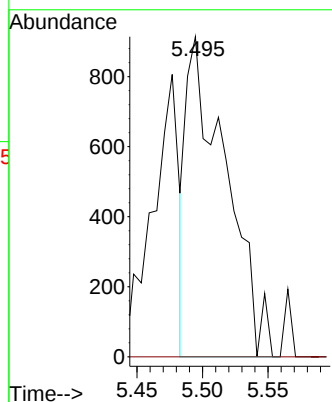
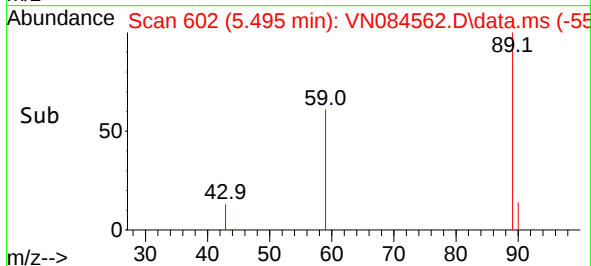


#11
Tert butyl alcohol
Concen: 4.838 ug/l
RT: 5.495 min Scan# 607
Delta R.T. -0.029 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

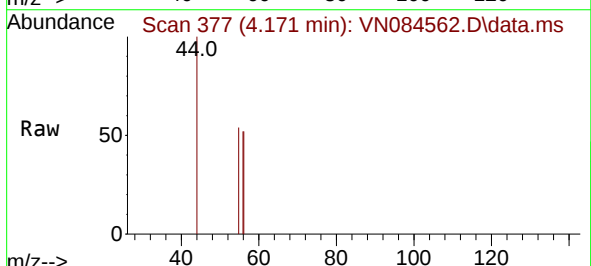
Instrument :
MSVOA_N
ClientSampleId :



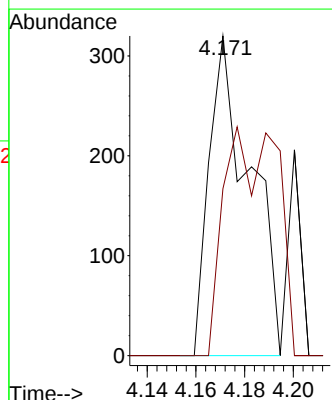
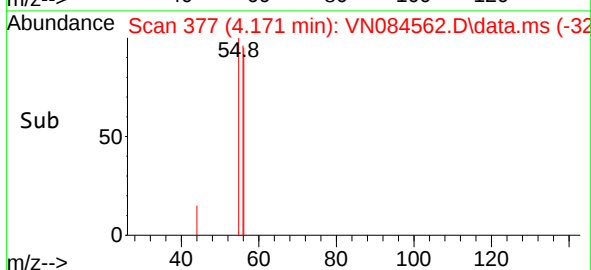
Tgt Ion: 59 Resp: 1924
Ion Ratio Lower Upper
59 100
57 0.0 8.2 12.2#

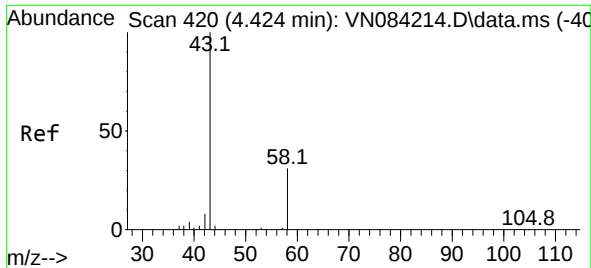


#13
Acrolein
Concen: 0.813 ug/l
RT: 4.171 min Scan# 377
Delta R.T. -0.006 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29



Tgt Ion: 56 Resp: 371
Ion Ratio Lower Upper
56 100
55 93.5 57.2 85.8#





#16

Acetone

Concen: 38.100 ug/l

RT: 4.430 min Scan# 41

Delta R.T. 0.006 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

Instrument :

MSVOA_N

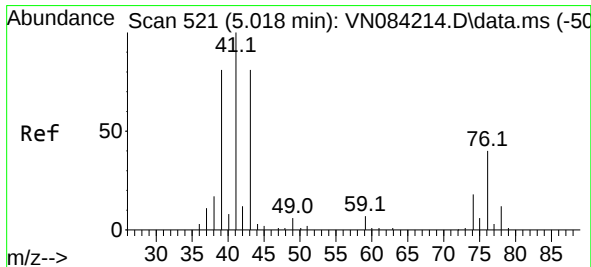
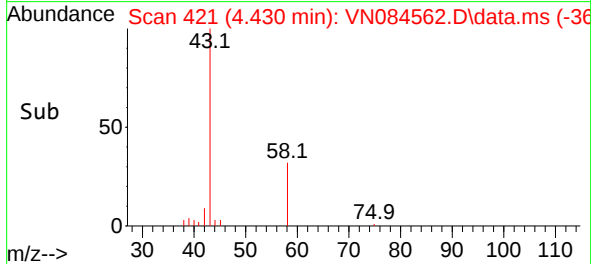
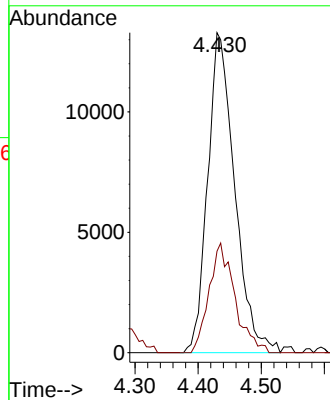
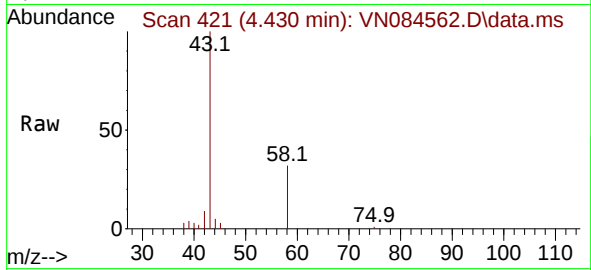
ClientSampleId :

Tgt Ion: 43 Resp: 39473

Ion Ratio Lower Upper

43 100

58 31.7 24.4 36.6



#18

Methyl Acetate

Concen: 2.679 ug/l

RT: 5.036 min Scan# 524

Delta R.T. 0.018 min

Lab File: VN084562.D

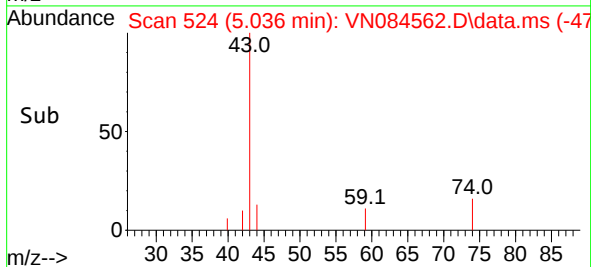
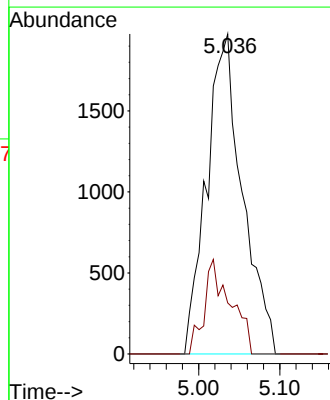
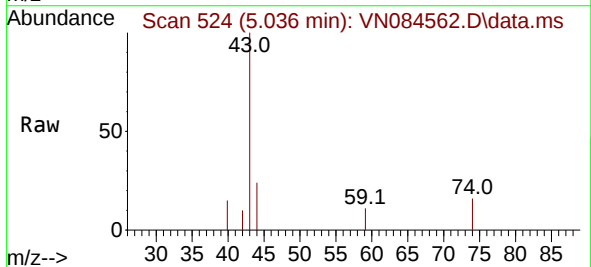
Acq: 29 Oct 2024 14:29

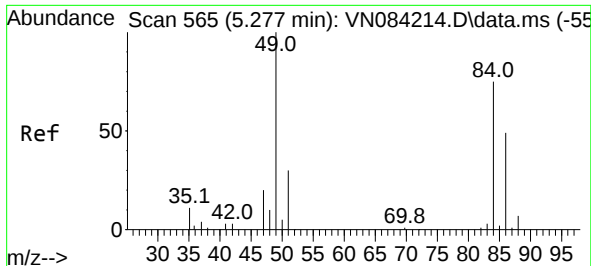
Tgt Ion: 43 Resp: 6050

Ion Ratio Lower Upper

43 100

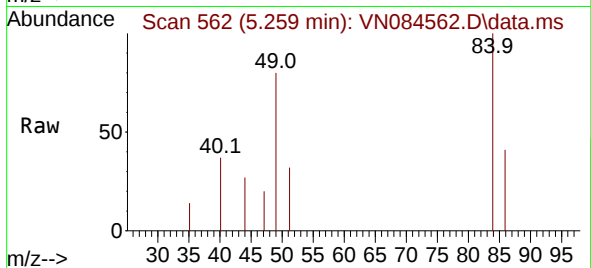
74 21.7 19.2 28.8





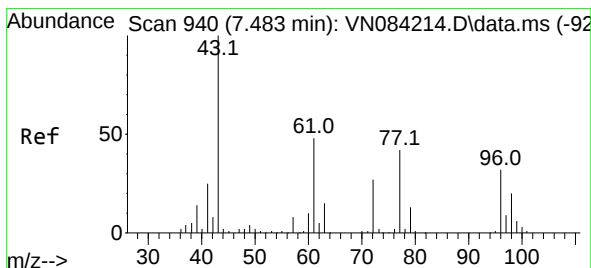
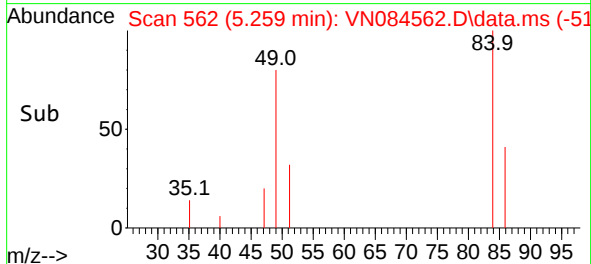
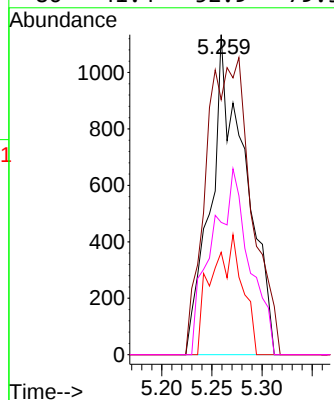
#20
Methylene Chloride
Concen: 1.302 ug/l
RT: 5.259 min Scan# 51
Delta R.T. -0.018 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :



Tgt Ion: 84 Resp: 2742

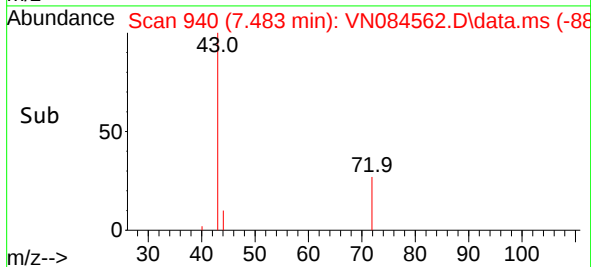
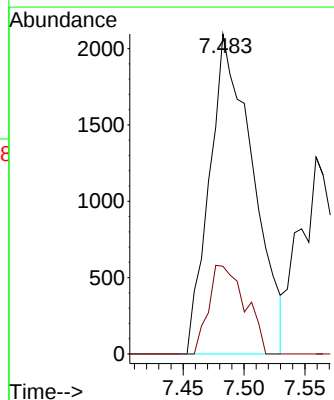
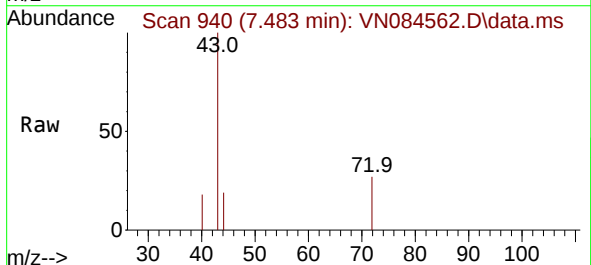
Ion	Ratio	Lower	Upper
84	100		
49	79.7	107.2	160.8#
51	32.0	31.8	47.8
86	41.4	52.9	79.3#

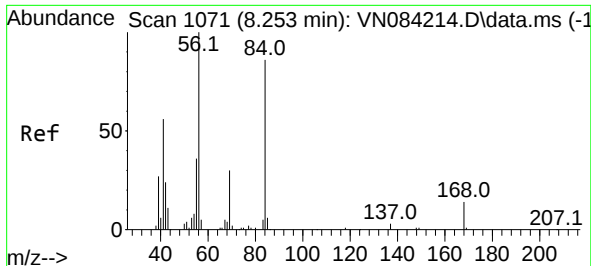


#25
2-Butanone
Concen: 3.679 ug/l
RT: 7.483 min Scan# 940
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 43 Resp: 5191

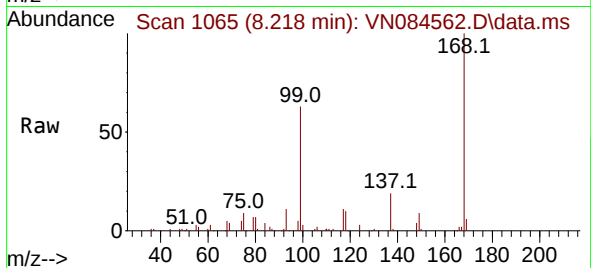
Ion	Ratio	Lower	Upper
43	100		
72	27.4	21.4	32.2



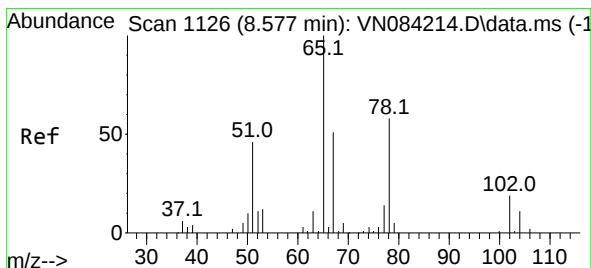
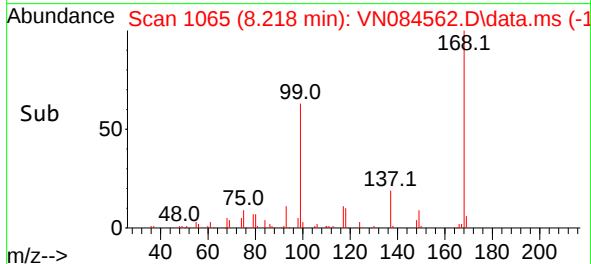
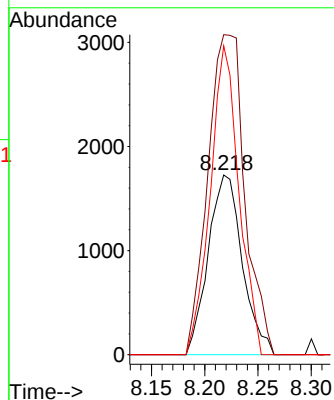


#31
Cyclohexane
Concen: 1.075 ug/l
RT: 8.218 min Scan# 1065
Delta R.T. -0.035 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

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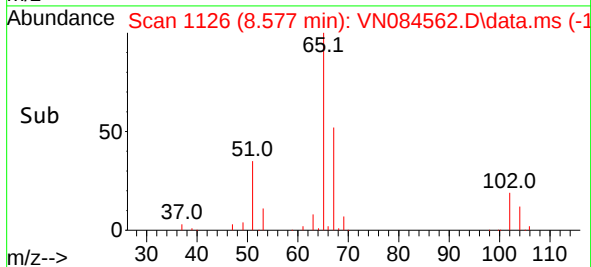
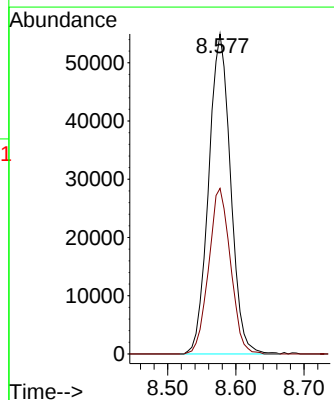
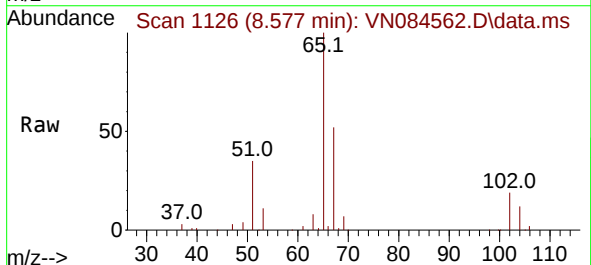


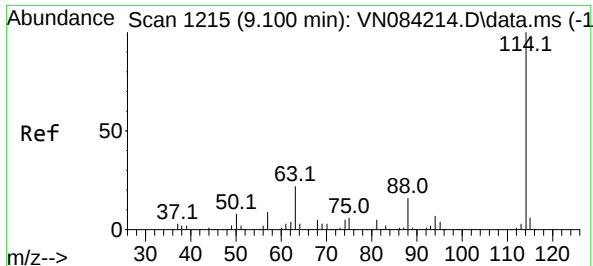
Tgt Ion: 56 Resp: 3840
Ion Ratio Lower Upper
56 100
69 178.1 23.8 35.6#
84 171.9 68.8 103.2#



#33
1,2-Dichloroethane-d4
Concen: 50.979 ug/l
RT: 8.577 min Scan# 1126
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 65 Resp: 122948
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# 11

Delta R.T. 0.000 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :

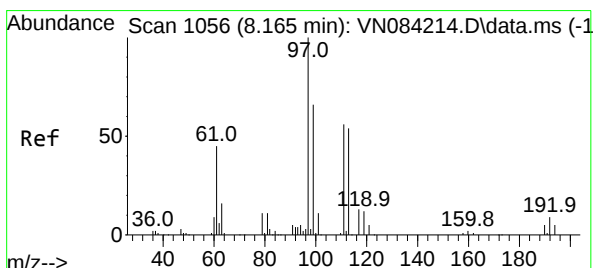
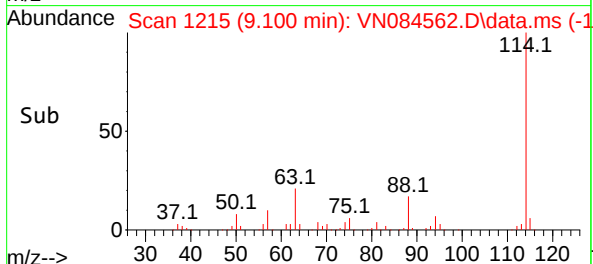
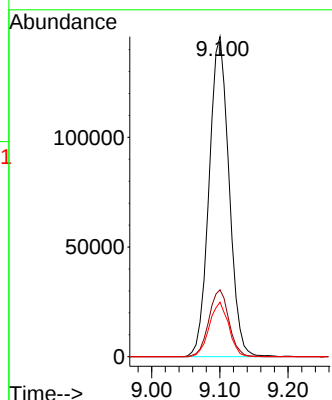
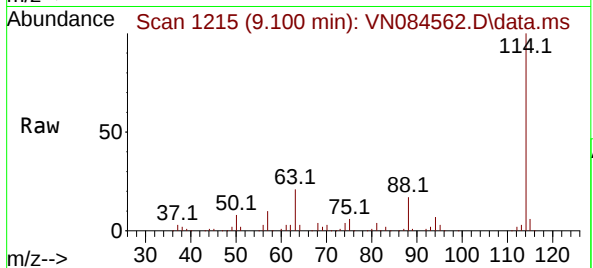
Tgt Ion:114 Resp: 296895

Ion Ratio Lower Upper

114 100

63 20.9 0.0 43.8

88 17.1 0.0 31.6



#35

Dibromofluoromethane

Concen: 48.459 ug/l

RT: 8.165 min Scan# 1056

Delta R.T. 0.000 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

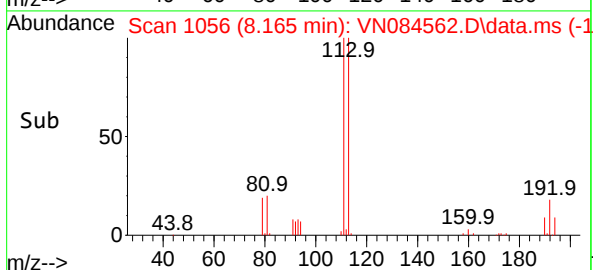
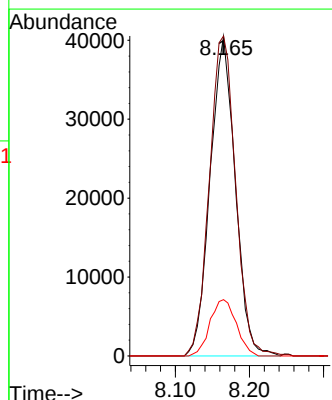
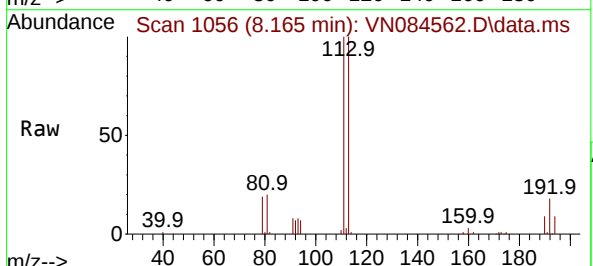
Tgt Ion:113 Resp: 94849

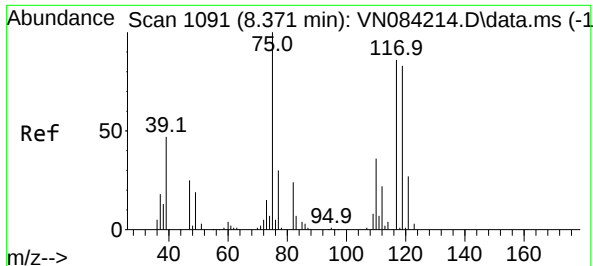
Ion Ratio Lower Upper

113 100

111 104.9 83.3 124.9

192 18.5 13.5 20.3





#36

1,1-Dichloropropene

Concen: 5.034 ug/l

RT: 8.218 min Scan# 1065

Delta R.T. -0.153 min

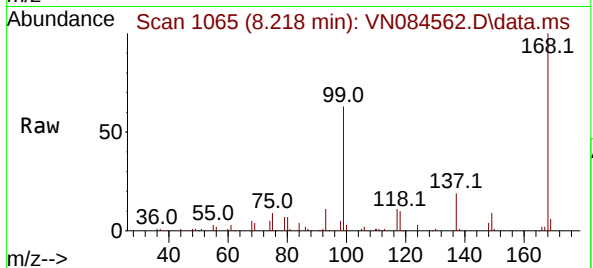
Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

Instrument :

MSVOA_N

ClientSampleId :



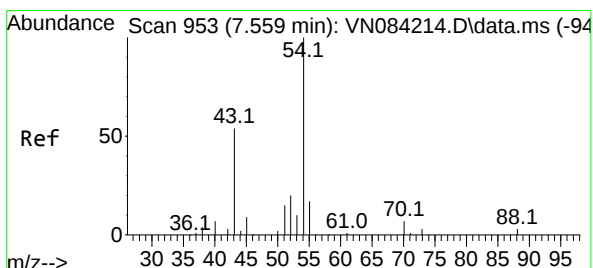
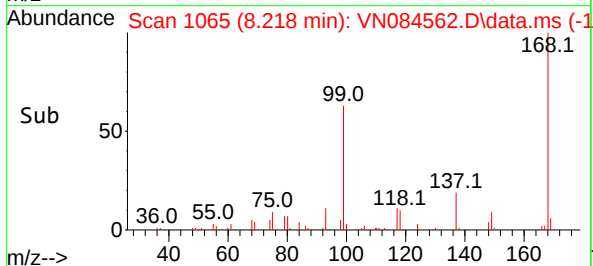
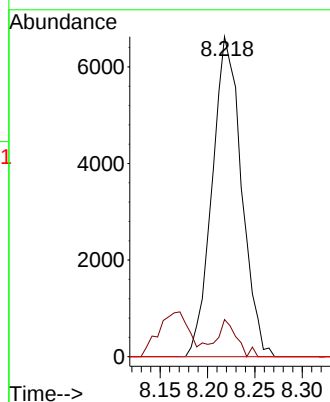
Tgt Ion: 75 Resp: 14313

Ion Ratio Lower Upper

75 100

110 7.4 16.9 50.7#

77 0.0 24.7 37.1#



#37

Ethyl Acetate

Concen: 0.990 ug/l

RT: 7.559 min Scan# 953

Delta R.T. 0.000 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

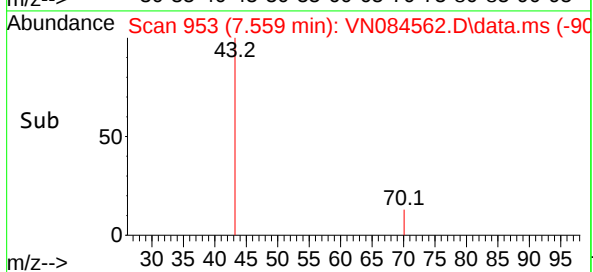
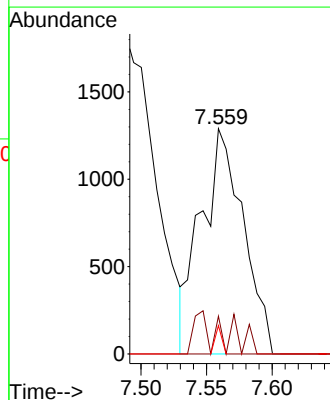
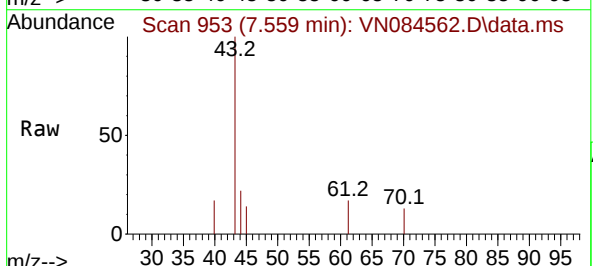
Tgt Ion: 43 Resp: 2888

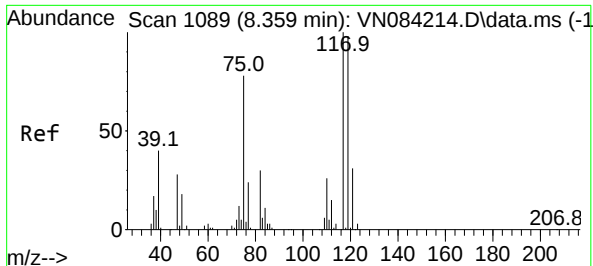
Ion Ratio Lower Upper

43 100

61 5.7 10.7 16.1#

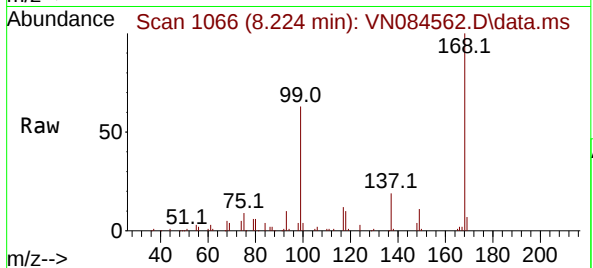
70 2.0 8.8 13.2#



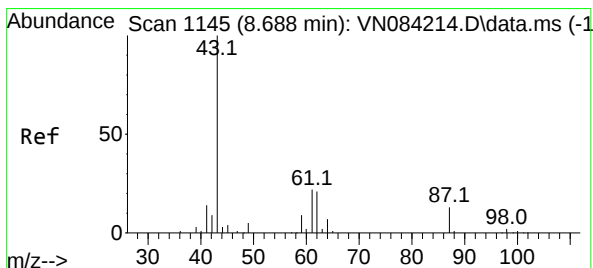
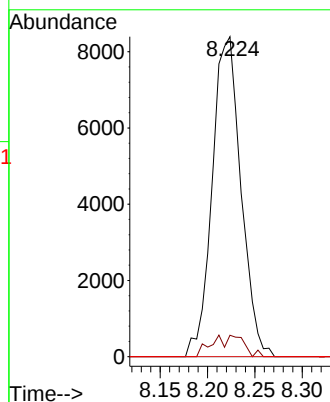
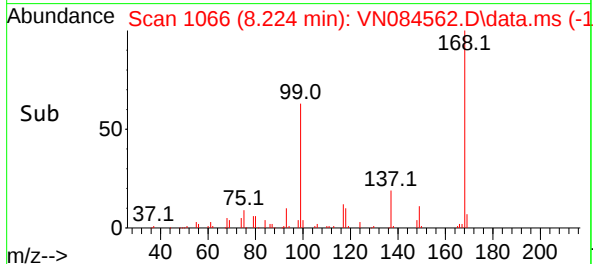


#38
Carbon Tetrachloride
Concen: 5.692 ug/l
RT: 8.224 min Scan# 1106
Delta R.T. -0.135 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :

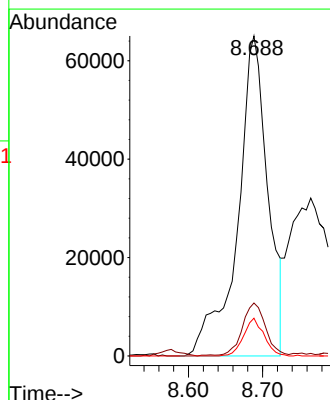
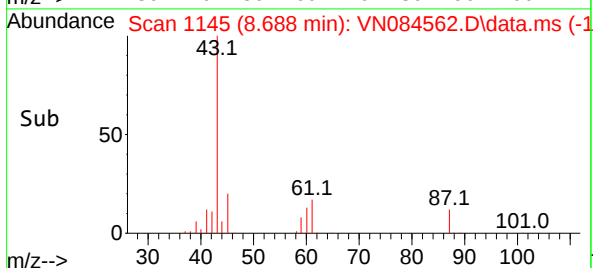
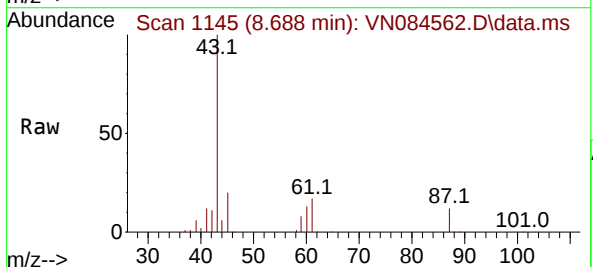


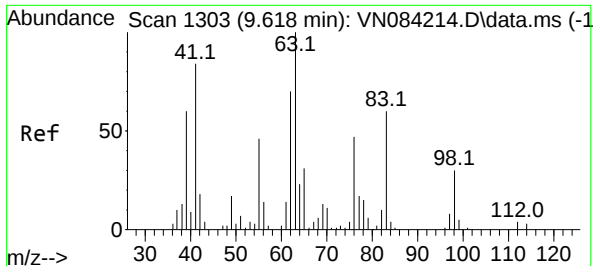
Tgt Ion:117 Resp: 17752
Ion Ratio Lower Upper
117 100
119 6.7 78.7 118.1#
121 0.0 24.4 36.6#



#43
Isopropyl Acetate
Concen: 32.210 ug/l
RT: 8.688 min Scan# 1145
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 43 Resp: 184019
Ion Ratio Lower Upper
43 100
61 12.9 20.4 30.6#
87 8.0 10.3 15.5#





#45

1,2-Dichloropropane

Concen: 0.576 ug/l

RT: 9.735 min Scan# 11

Delta R.T. 0.118 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

Instrument :

MSVOA_N

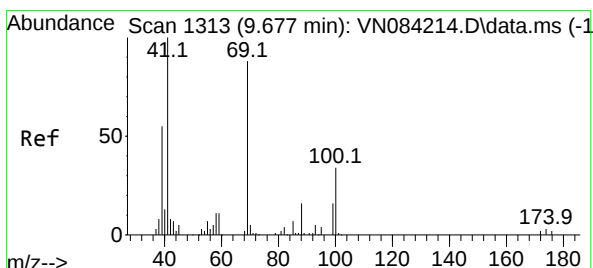
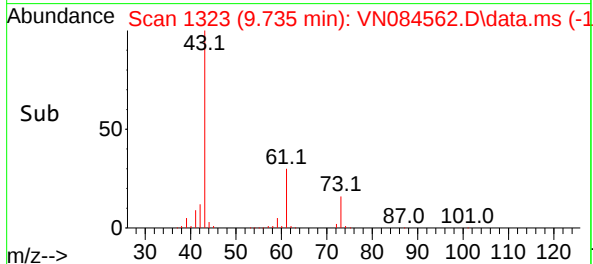
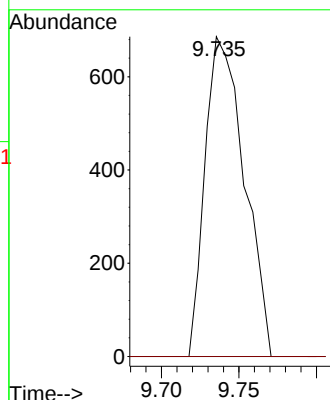
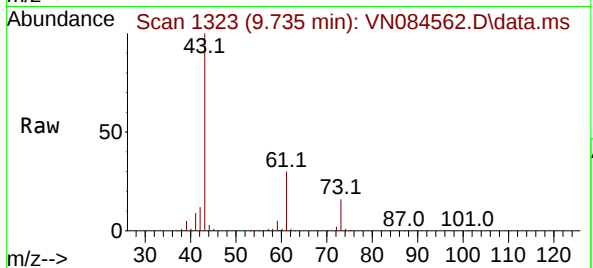
ClientSampleId :

Tgt Ion: 63 Resp: 1207

Ion Ratio Lower Upper

63 100

65 0.0 24.6 37.0#



#48

Methyl methacrylate

Concen: 1.326 ug/l

RT: 9.671 min Scan# 1312

Delta R.T. -0.006 min

Lab File: VN084562.D

Acq: 29 Oct 2024 14:29

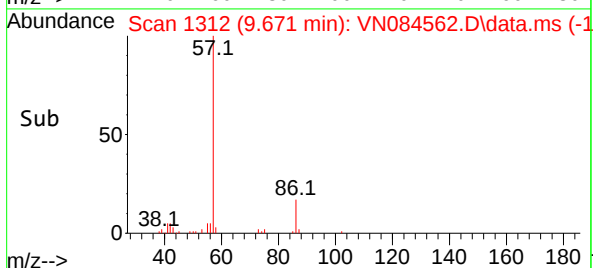
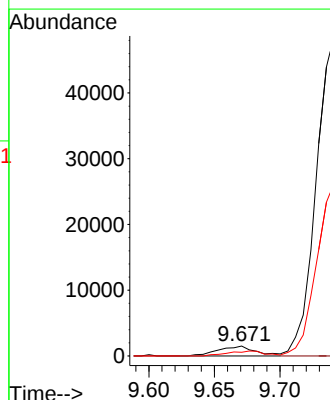
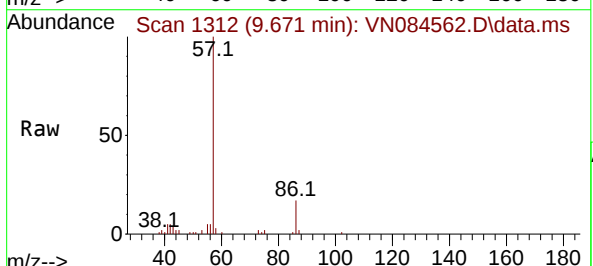
Tgt Ion: 41 Resp: 3016

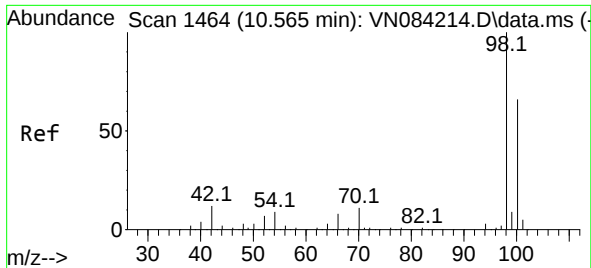
Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

39 48.7 45.8 68.6

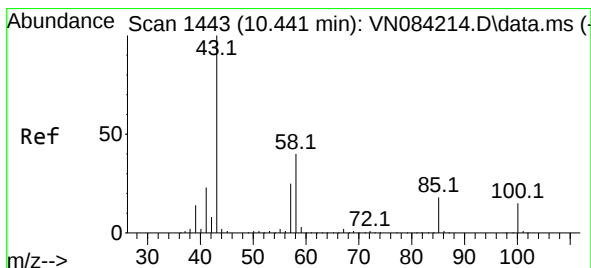
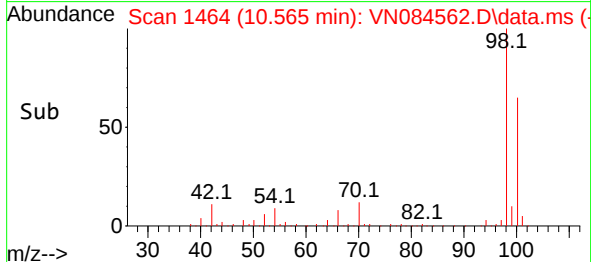
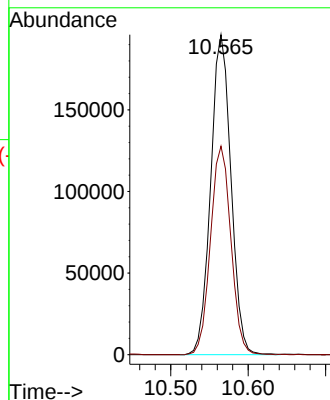
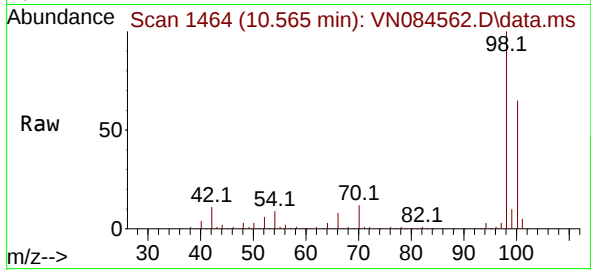




#50
Toluene-d8
Concen: 49.530 ug/l
RT: 10.565 min Scan# 1464
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

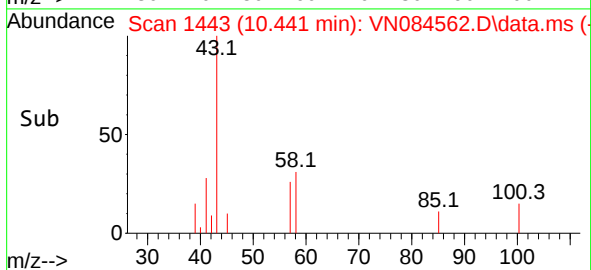
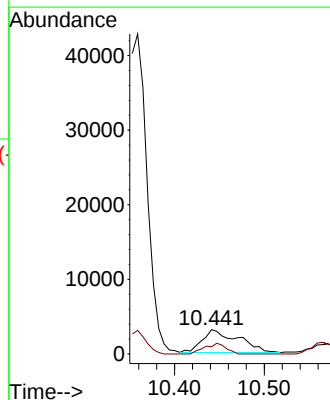
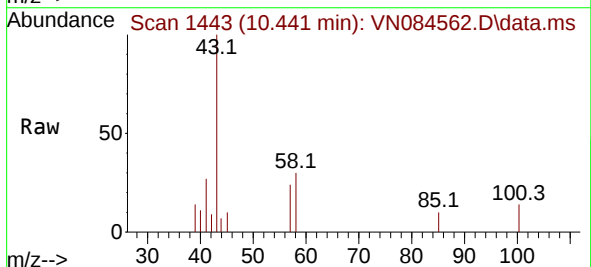
Instrument :
MSVOA_N
ClientSampleId :

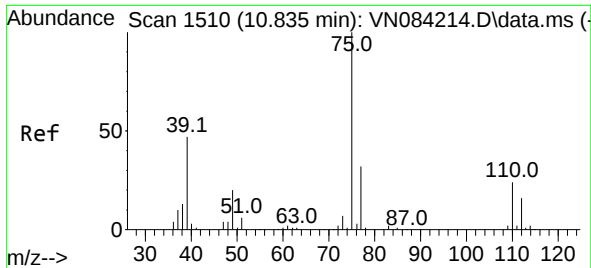
Tgt Ion: 98 Resp: 356674
Ion Ratio Lower Upper
98 100
100 65.5 52.7 79.1



#51
4-Methyl-2-Pentanone
Concen: 3.077 ug/l
RT: 10.441 min Scan# 1443
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 43 Resp: 8544
Ion Ratio Lower Upper
43 100
58 27.5 31.6 47.4#

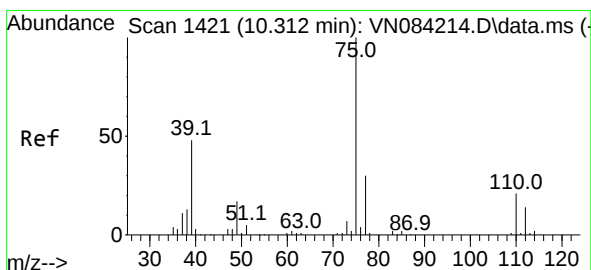
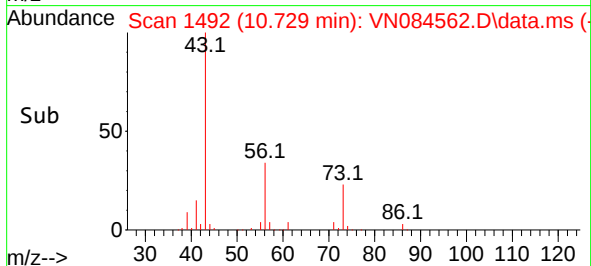
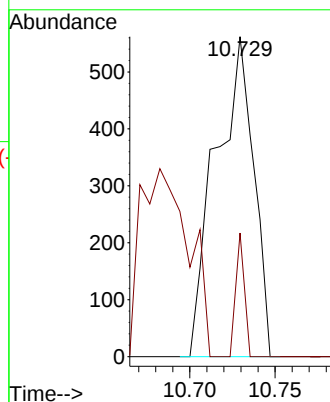
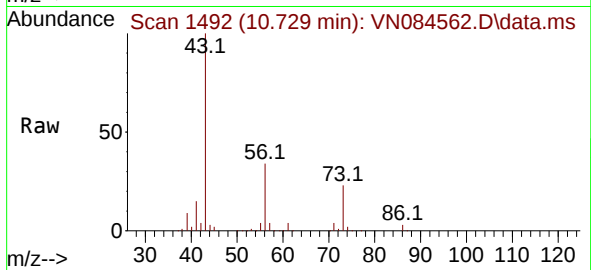




#53
 t-1,3-Dichloropropene
 Concen: 0.271 ug/l
 RT: 10.729 min Scan# 1492
 Delta R.T. -0.106 min
 Lab File: VN084562.D
 Acq: 29 Oct 2024 14:29

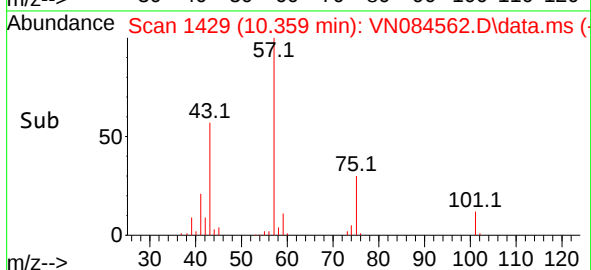
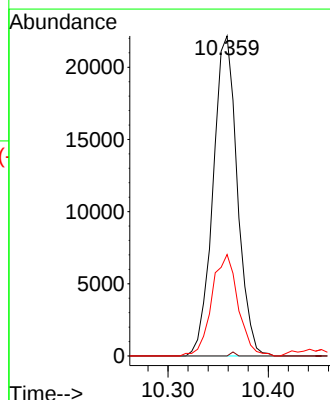
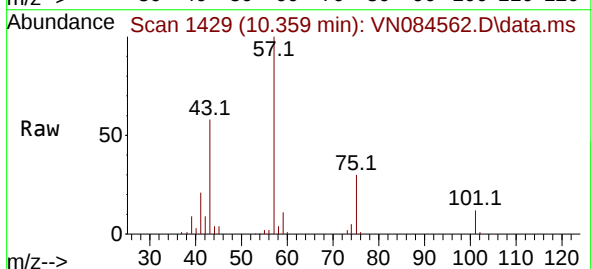
Instrument :
 MSVOA_N
 ClientSampleId :

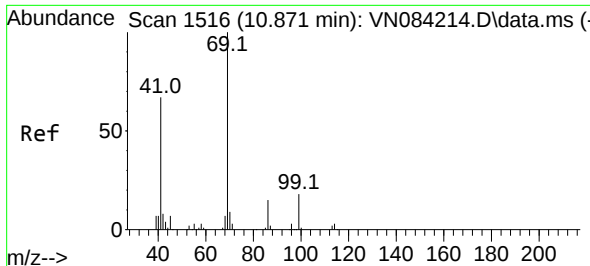
Tgt Ion: 75 Resp: 868
 Ion Ratio Lower Upper
 75 100
 77 38.6 25.4 38.0#



#54
 cis-1,3-Dichloropropene
 Concen: 10.827 ug/l
 RT: 10.359 min Scan# 1429
 Delta R.T. 0.047 min
 Lab File: VN084562.D
 Acq: 29 Oct 2024 14:29

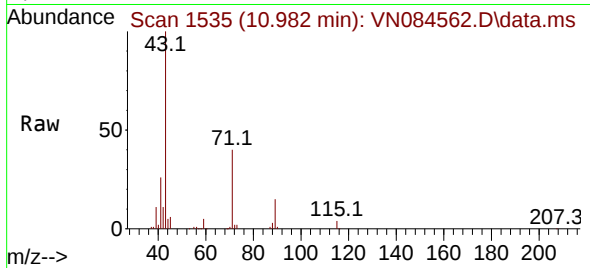
Tgt Ion: 75 Resp: 37296
 Ion Ratio Lower Upper
 75 100
 77 0.0 24.2 36.2#
 39 31.7 38.7 58.1#



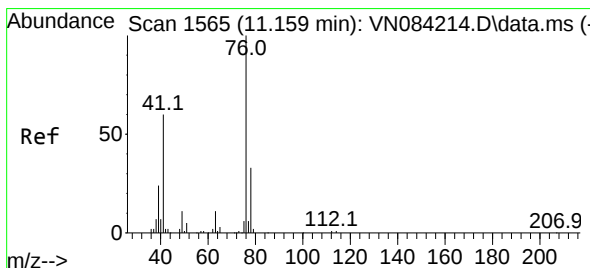
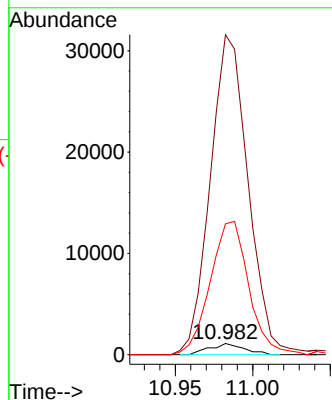
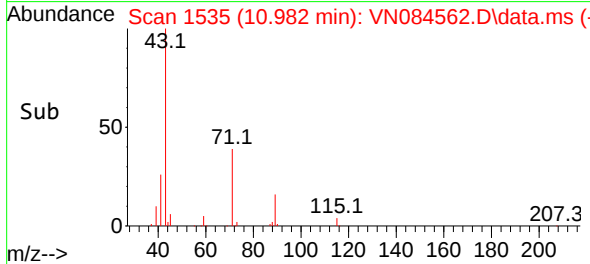


#56
Ethyl methacrylate
Concen: 0.537 ug/l
RT: 10.982 min Scan# 1535
Delta R.T. 0.112 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :

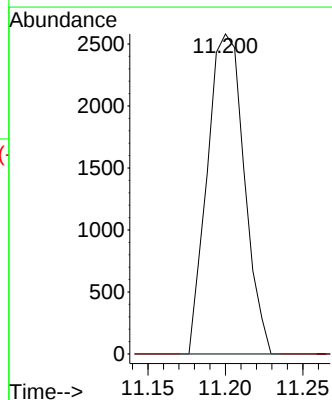
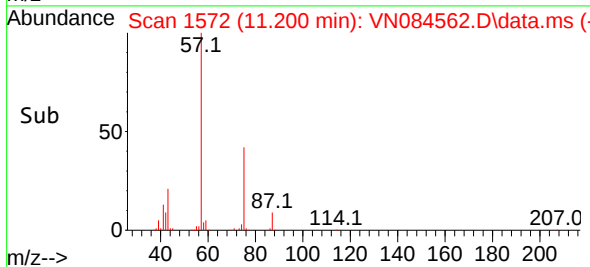
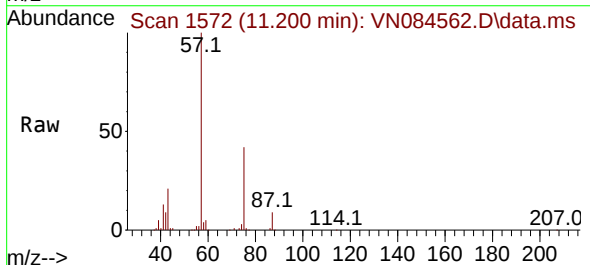


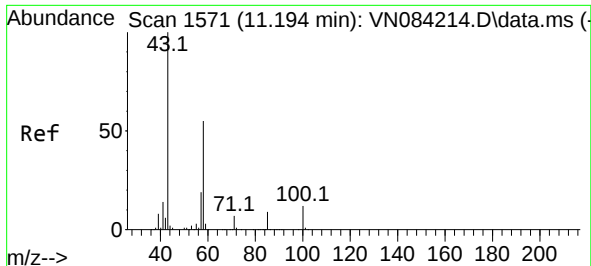
Tgt Ion: 69 Resp: 1712
Ion Ratio Lower Upper
69 100
41 3141.7 53.3 79.9#
39 1328.0 28.8 43.2#



#57
1,3-Dichloropropane
Concen: 1.235 ug/l
RT: 11.200 min Scan# 1572
Delta R.T. 0.041 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Tgt Ion: 76 Resp: 4272
Ion Ratio Lower Upper
76 100
78 0.0 25.8 38.6#

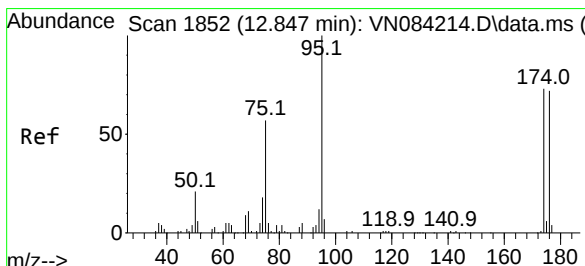
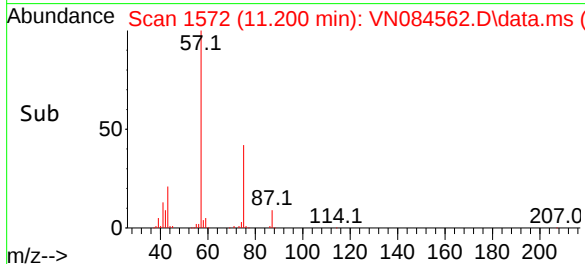
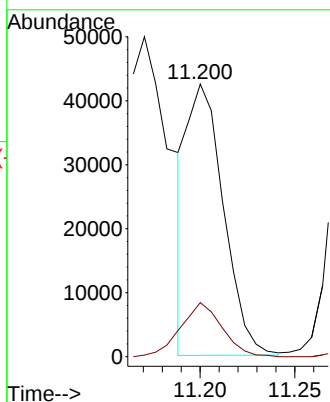
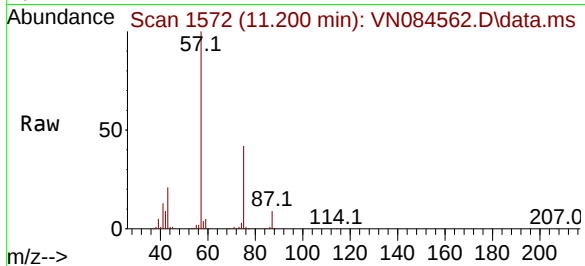




#59
2-Hexanone
Concen: 27.523 ug/l
RT: 11.200 min Scan# 11
Delta R.T. 0.006 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

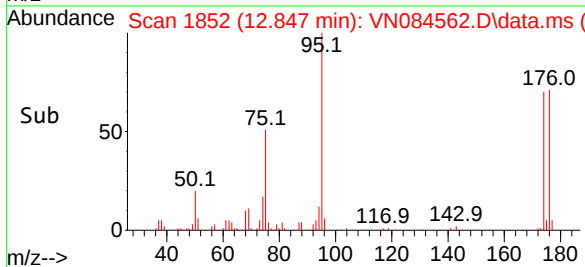
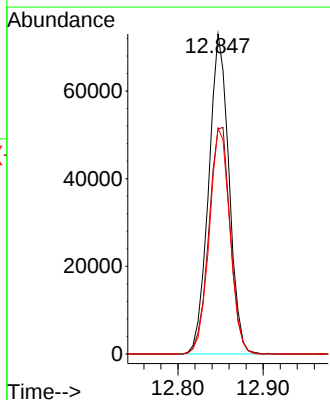
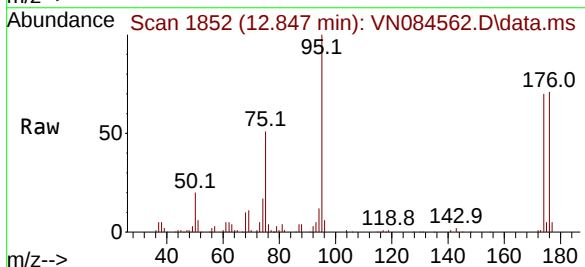
Instrument :
MSVOA_N
ClientSampleId :

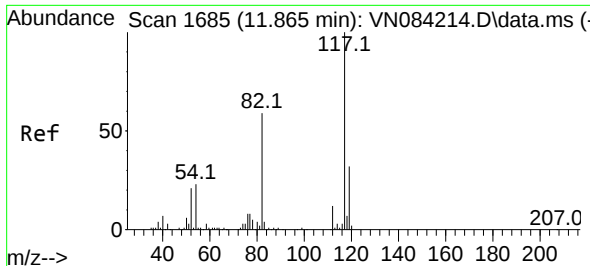
Tgt Ion: 43 Resp: 57119
Ion Ratio Lower Upper
43 100
58 22.6 27.3 81.8#



#62
4-Bromofluorobenzene
Concen: 45.971 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

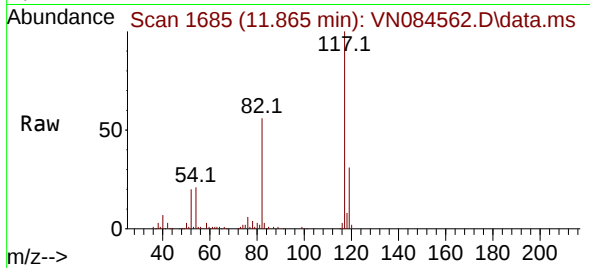
Tgt Ion: 95 Resp: 120602
Ion Ratio Lower Upper
95 100
174 74.6 0.0 145.2
176 71.5 0.0 140.0



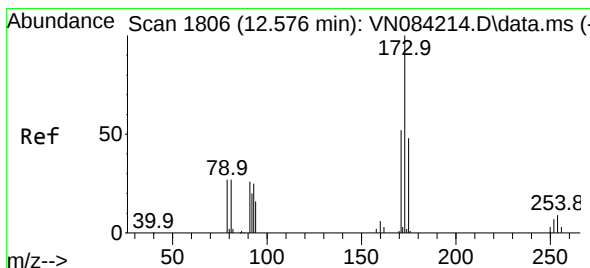
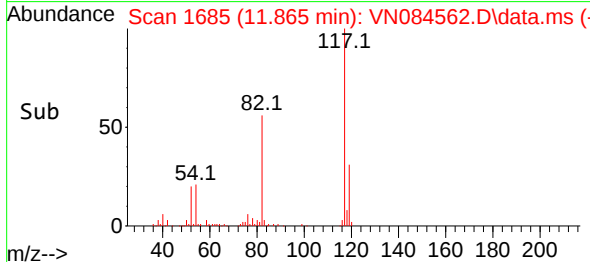
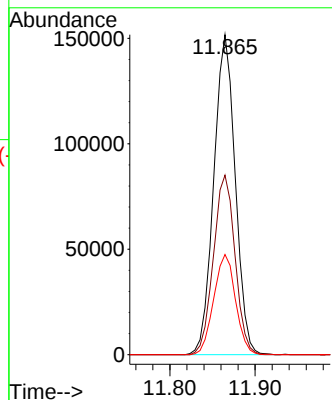


#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.865 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

Instrument :
MSVOA_N
ClientSampleId :

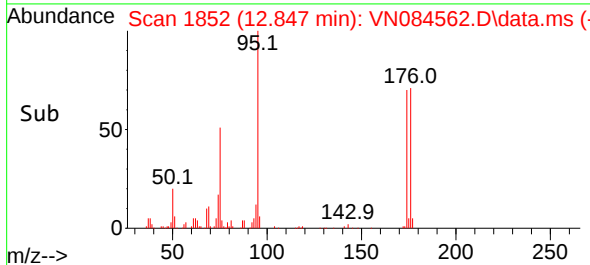
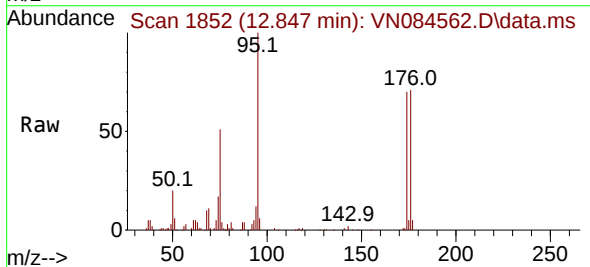
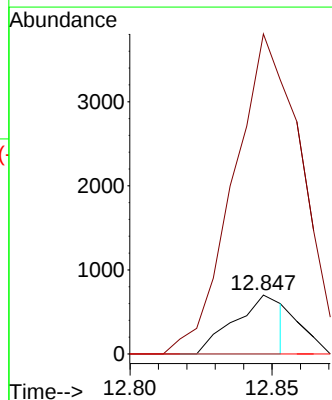


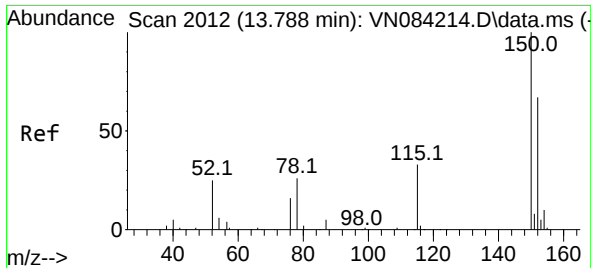
Tgt Ion:117 Resp: 265430
Ion Ratio Lower Upper
117 100
82 56.1 47.2 70.8
119 31.3 25.4 38.0



#71
Bromoform
Concen: 0.558 ug/l
RT: 12.847 min Scan# 1852
Delta R.T. 0.271 min
Lab File: VN084562.D
Acq: 29 Oct 2024 14:29

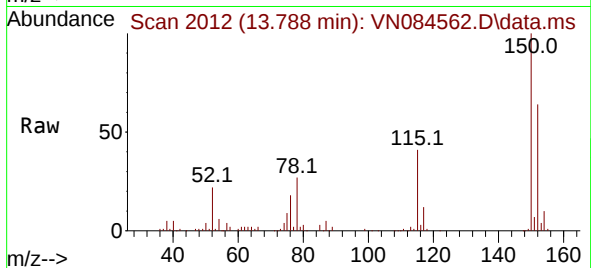
Tgt Ion:173 Resp: 833
Ion Ratio Lower Upper
173 100
175 557.5 23.5 70.6#
254 0.0 0.0 0.0



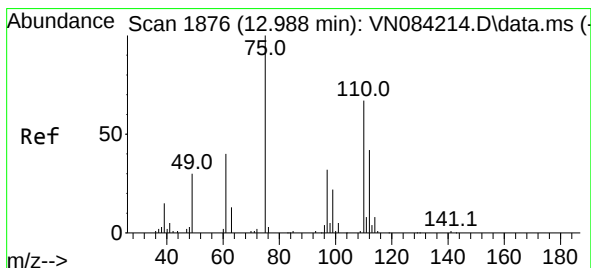
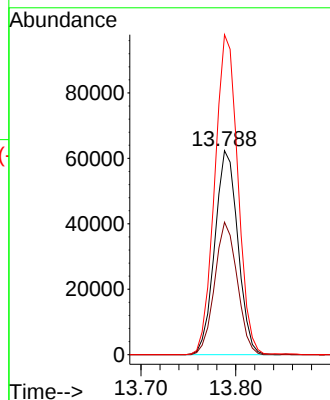
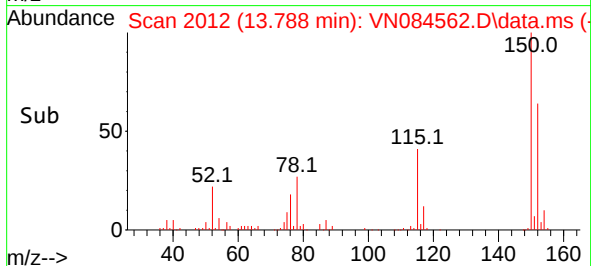


#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.788 min Scan# 20
 Delta R.T. 0.000 min
 Lab File: VN084562.D
 Acq: 29 Oct 2024 14:29

Instrument :
 MSVOA_N
 ClientSampleId :

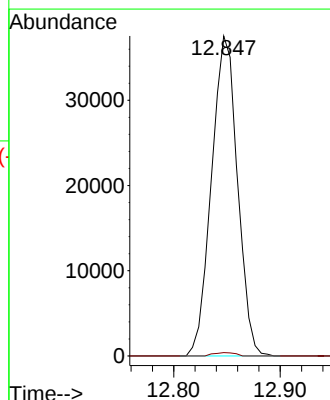
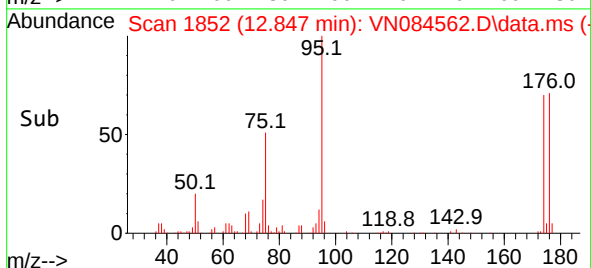
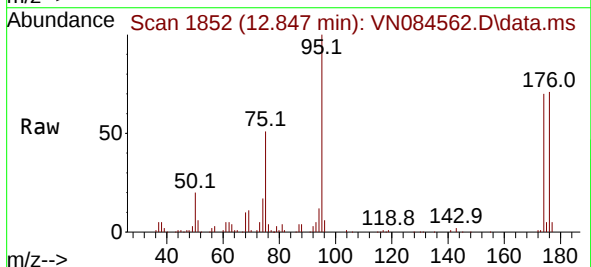


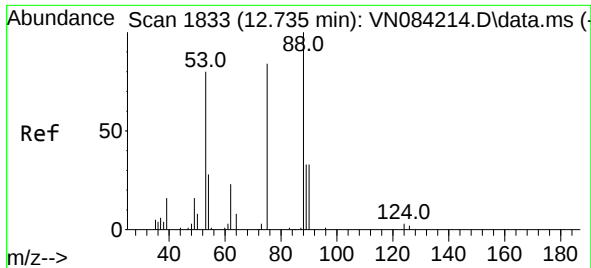
Tgt Ion:152 Resp: 105531
 Ion Ratio Lower Upper
 152 100
 115 63.6 31.3 93.9
 150 156.9 0.0 349.8



#76
 1,2,3-Trichloropropane
 Concen: 29.493 ug/l
 RT: 12.847 min Scan# 1852
 Delta R.T. -0.141 min
 Lab File: VN084562.D
 Acq: 29 Oct 2024 14:29

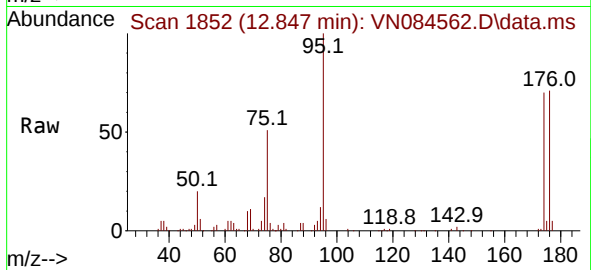
Tgt Ion: 75 Resp: 63541
 Ion Ratio Lower Upper
 75 100
 77 0.9 96.9 290.7#





#81
 trans-1,4-Dichloro-2-butene
 Concen: 70.708 ug/l
 RT: 12.847 min Scan# 11
 Delta R.T. 0.112 min
 Lab File: VN084562.D
 Acq: 29 Oct 2024 14:29

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 75 Resp: 63541
 Ion Ratio Lower Upper
 75 100
 53 0.0 78.0 117.0#
 89 0.0 35.5 53.3#

