

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070113.D
 Acq On : 15 Dec 2021 15:52
 Operator : JC/MD
 Sample : M4970-11
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Dec 16 05:39:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
 Response via : Initial Calibration

Compound	R.T. QIon		Response	Conc	Units	Dev(Min)

Internal Standards						
1) Pentafluorobenzene	8.088	168	1150319	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2171084	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	2587465	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1178013	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	908984	51.179	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	102.360%		
35) Dibromofluoromethane	8.024	113	637989	46.914	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	93.820%		
50) Toluene-d8	10.443	98	2915774	53.397	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	106.800%		
62) 4-Bromofluorobenzene	12.731	95	1364098	68.955	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	137.920%#		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.382	59	17881	5.326	ug/l #	71
13) Acrolein	3.982	56	1865	0.652	ug/l #	1
14) Allyl chloride	4.951	41	4993	0.202	ug/l #	1
15) Acrylonitrile	5.602	53	7001	0.774	ug/l #	52
16) Acetone	4.291	43	79630	7.453	ug/l	92
18) Methyl Acetate	5.077	43	346622	10.748	ug/l #	51
19) Methyl tert-butyl Ether	5.624	73	37258	0.875	ug/l #	1
20) Methylene Chloride	5.074	84	4027	0.284	ug/l #	6
22) Diisopropyl ether	6.501	45	75795	1.571	ug/l #	87
23) Vinyl Acetate	6.501	43	43280	1.102	ug/l #	72
25) 2-Butanone	7.346	43	49044	3.379	ug/l #	79
31) Cyclohexane	8.096	56	440409	17.818	ug/l	89
36) 1,1-Dichloropropene	8.088	75	99625	4.820	ug/l #	42
37) Ethyl Acetate	7.346	43	49044	1.594	ug/l #	71
38) Carbon Tetrachloride	8.088	117	116605	5.753	ug/l #	16
39) Methylcyclohexane	9.459	83	139019	5.655	ug/l #	86
40) Benzene	8.461	78	17043889	269.791	ug/l	98
41) Methacrylonitrile	7.667	41	4644	0.322	ug/l #	19
42) 1,2-Dichloroethane	8.461	62	166323	6.522	ug/l	82
43) Isopropyl Acetate	8.555	43	46736	1.027	ug/l #	55
47) Bromodichloromethane	9.743	83	6980	0.331	ug/l #	25
48) Methyl methacrylate	9.596	41	8684	0.409	ug/l #	19
52) Toluene	10.508	92	112574	2.919	ug/l	98
53) t-1,3-Dichloropropene	10.711	75	380	2.808	ug/l #	88
54) cis-1,3-Dichloropropene	10.180	75	75	2.001	ug/l #	1
55) 1,1,2-Trichloroethane	10.878	97	45790	2.942	ug/l #	20
56) Ethyl methacrylate	10.781	69	7535	2.524	ug/l #	8
58) 2-Chloroethyl Vinyl ether	10.027	63	817	18.484	ug/l #	45
59) 2-Hexanone	11.216	43	7293	0.326	ug/l	63
60) Dibromochloromethane	10.990	129	105	2.382	ug/l #	11
67) Ethyl Benzene	11.846	91	183778	1.927	ug/l	94
68) m/p-Xylenes	11.950	106	358603	10.329	ug/l	93
69) o-Xylene	12.280	106	11766	0.336	ug/l	78
71) Bromoform	12.712	173	757	2.776	ug/l #	29
73) Isopropylbenzene	12.578	105	1160698	11.074	ug/l	98
76) 1,2,3-Trichloropropane	12.731	75	757749	22.430	ug/l #	1

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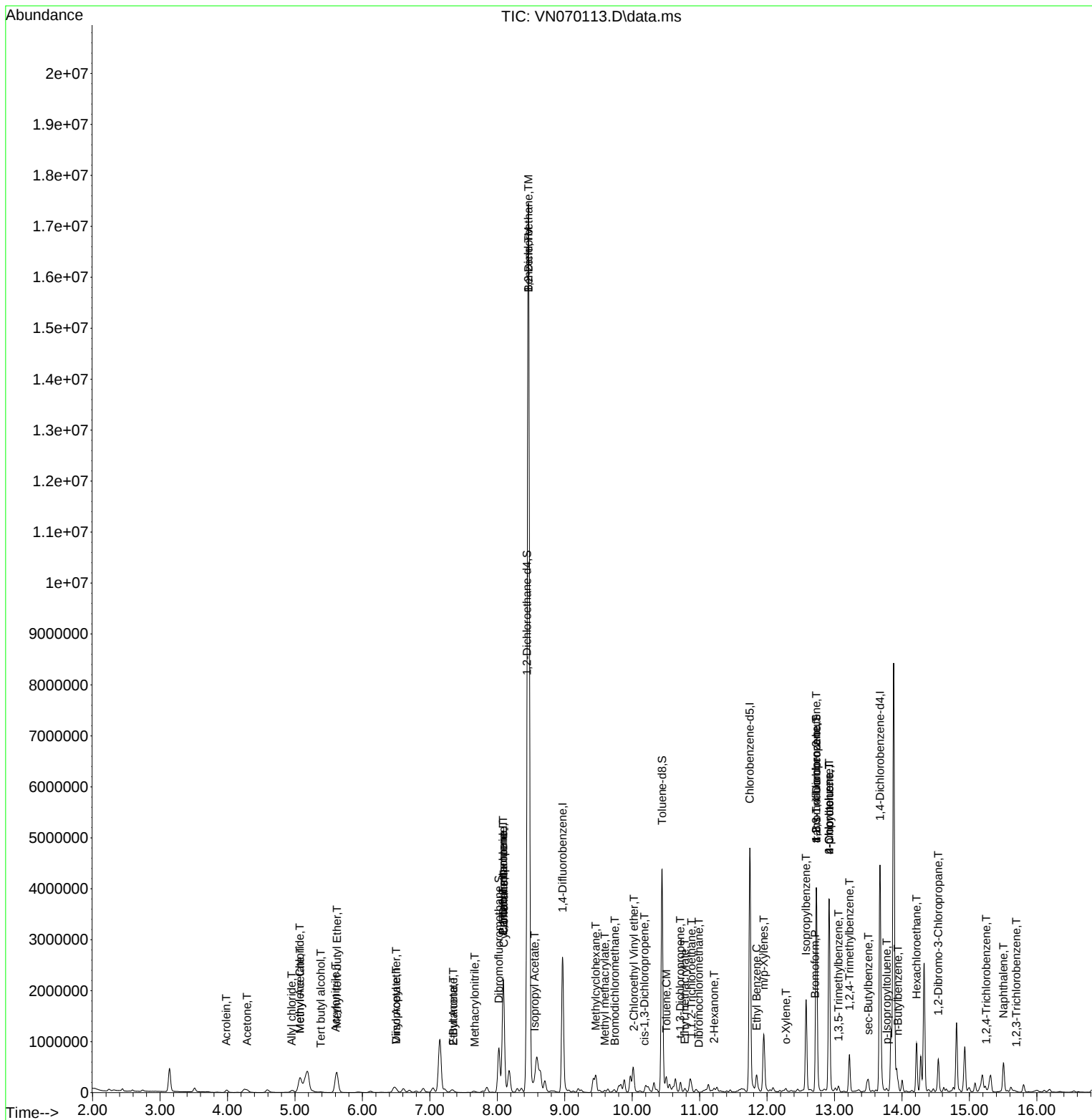
Quant Time: Dec 16 05:39:37 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N120221W.M
 Quant Title : SW846 8260
 QLast Update : Fri Dec 03 08:46:47 2021
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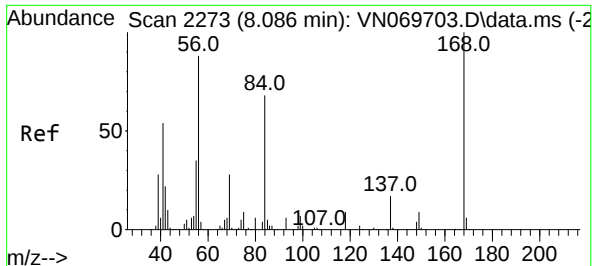
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

78) n-propylbenzene	12.921	91	3064118	26.272	ug/l	95
79) 2-Chlorotoluene	12.921	91	3064118	41.578	ug/l #	38
80) 1,3,5-Trimethylbenzene	13.058	105	46405	0.550	ug/l	96
81) trans-1,4-Dichloro-2-b...	12.731	75	757749	71.509	ug/l #	5
82) 4-Chlorotoluene	12.921	91	3064118	44.212	ug/l #	38
84) 1,2,4-Trimethylbenzene	13.222	105	460645	5.734	ug/l	77
85) sec-Butylbenzene	13.501	105	137592	1.358	ug/l #	69
86) p-Isopropyltoluene	13.772	119	29926	0.378	ug/l #	76
89) n-Butylbenzene	13.940	91	125945	1.960	ug/l #	74
90) Hexachloroethane	14.217	117	52477	3.774	ug/l #	6
92) 1,2-Dibromo-3-Chloropr...	14.536	75	3570	0.545	ug/l #	1
93) 1,2,4-Trichlorobenzene	15.249	180	744	2.914	ug/l #	1
95) Naphthalene	15.504	128	517887	12.264	ug/l	99
96) 1,2,3-Trichlorobenzene	15.694	180	1389	2.506	ug/l #	78

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

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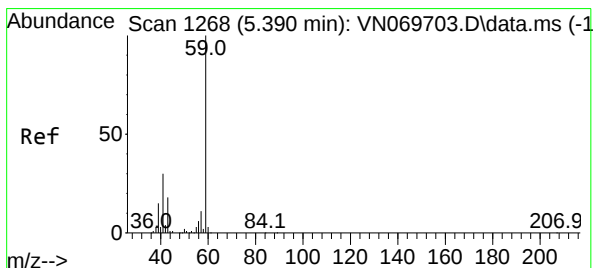
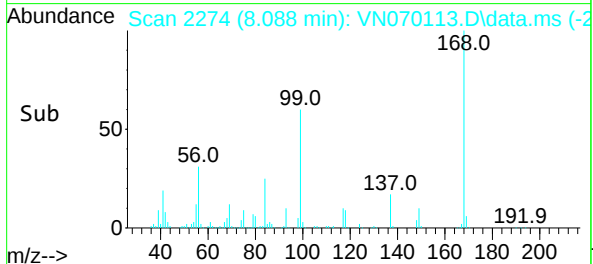
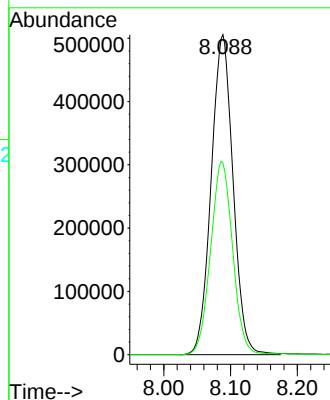
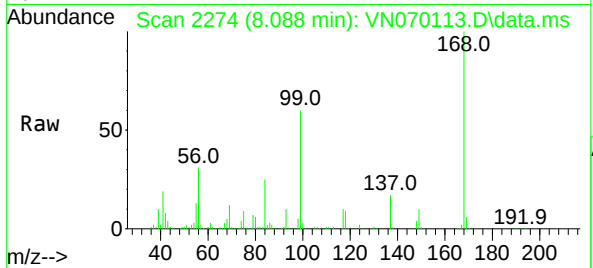




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

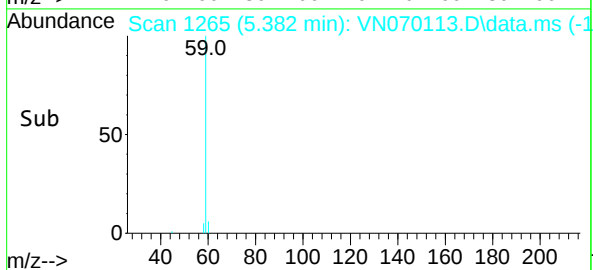
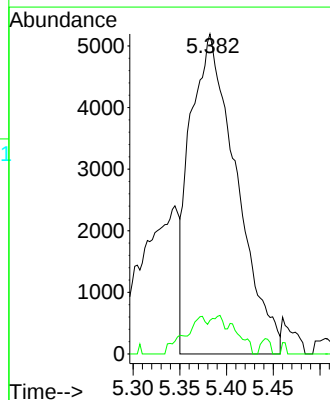
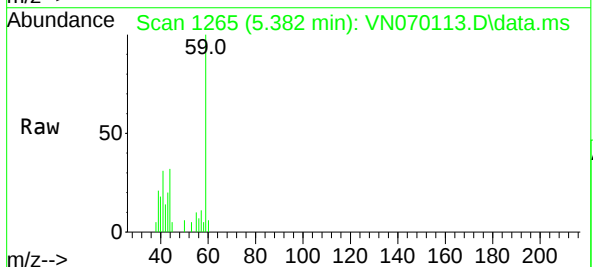
Instrument :
MSVOA_N
ClientSampleId :

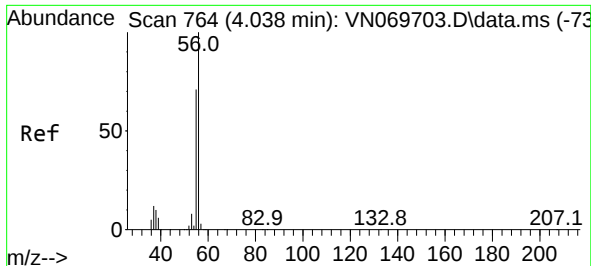
Tgt Ion:168 Resp: 1150319
Ion Ratio Lower Upper
168 100
99 59.8 41.3 61.9



#11
Tert butyl alcohol
Concen: 5.326 ug/l
RT: 5.382 min Scan# 1265
Delta R.T. -0.008 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

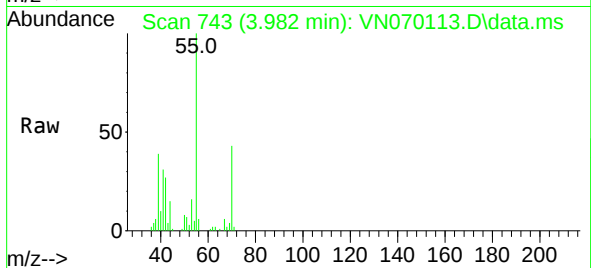
Tgt Ion: 59 Resp: 17881
Ion Ratio Lower Upper
59 100
57 0.0 8.7 13.1#



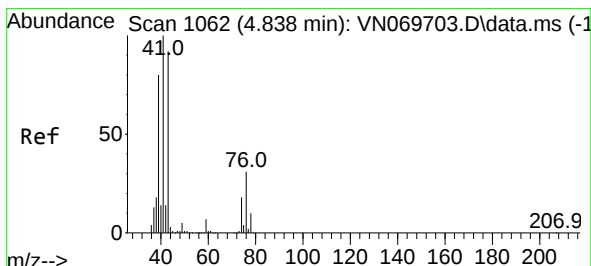
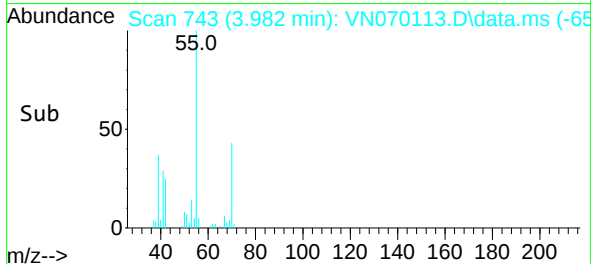
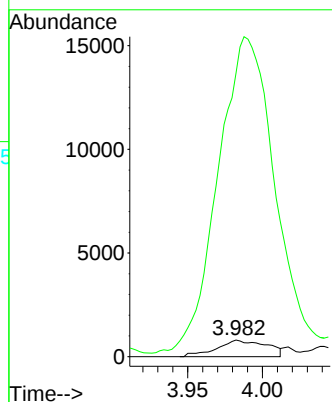


#13
Acrolein
Concen: 0.652 ug/l
RT: 3.982 min Scan# 74
Delta R.T. -0.056 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

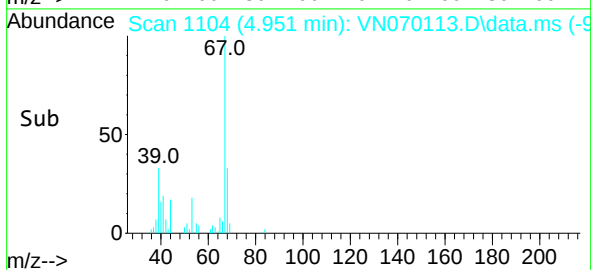
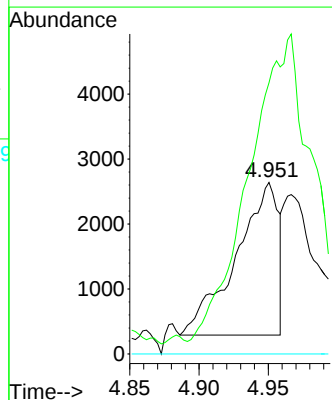
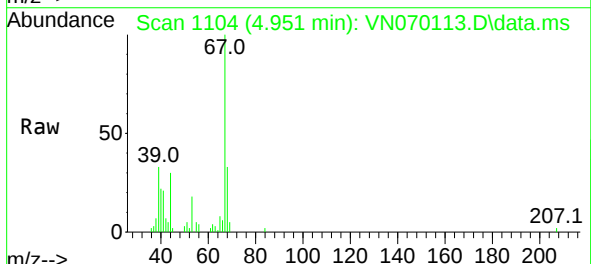


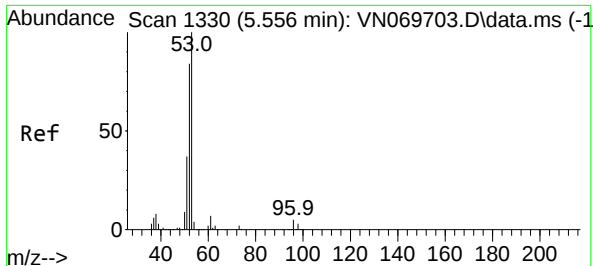
Tgt Ion: 56 Resp: 1865
Ion Ratio Lower Upper
56 100
55 2163.9 56.6 85.0#



#14
Allyl chloride
Concen: 0.202 ug/l
RT: 4.951 min Scan# 1104
Delta R.T. 0.113 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 41 Resp: 4993
Ion Ratio Lower Upper
41 100
39 301.1 61.2 91.8#
76 0.0 26.0 39.0#

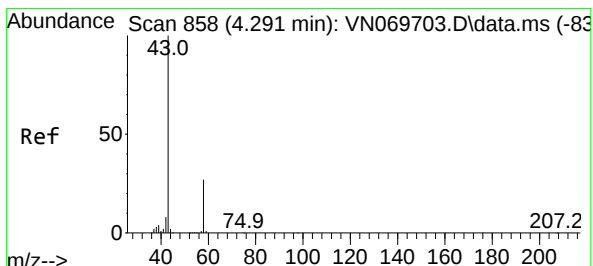
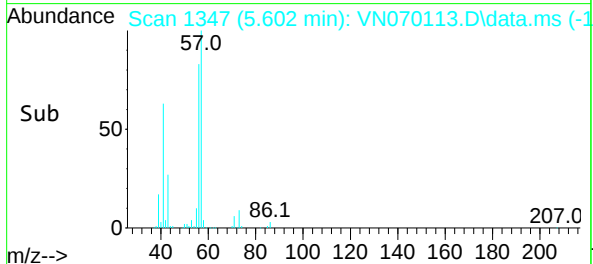
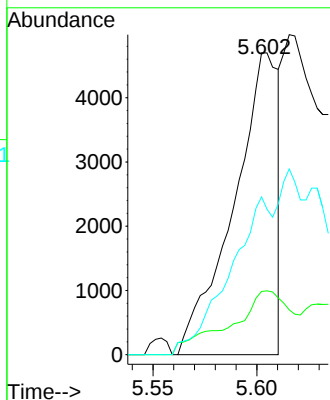
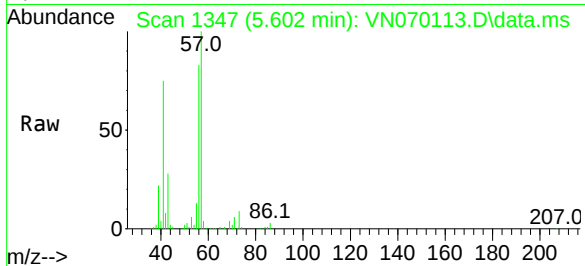




#15
Acrylonitrile
Concen: 0.774 ug/l
RT: 5.602 min Scan# 11
Delta R.T. 0.046 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

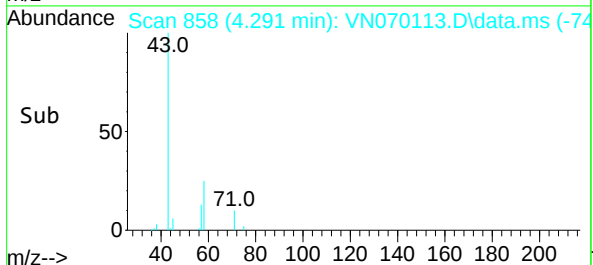
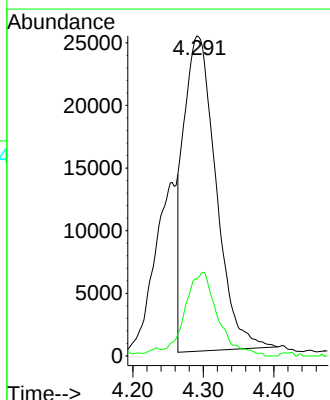
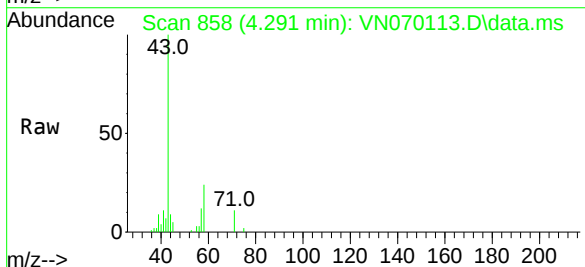
Instrument :
MSVOA_N
ClientSampleId :

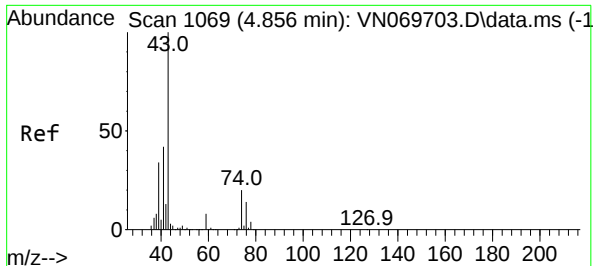
Tgt Ion: 53 Resp: 7001
Ion Ratio Lower Upper
53 100
52 29.4 66.2 99.2#
51 50.0 29.6 44.4#



#16
Acetone
Concen: 7.453 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 43 Resp: 79630
Ion Ratio Lower Upper
43 100
58 24.8 23.1 34.7





#18

Methyl Acetate

Concen: 10.748 ug/l

RT: 5.077 min Scan# 1151

Delta R.T. 0.220 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

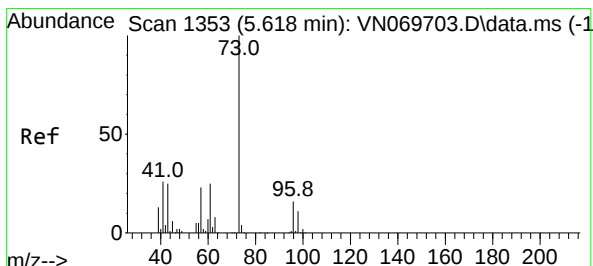
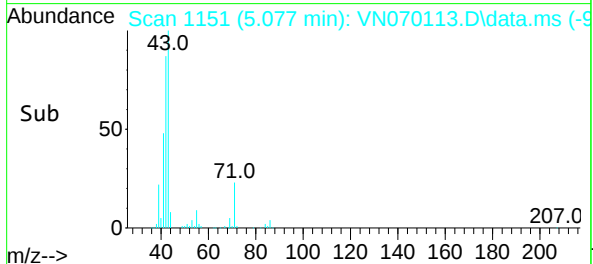
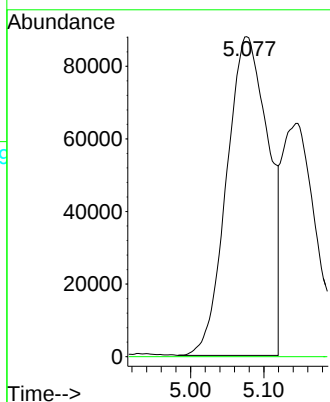
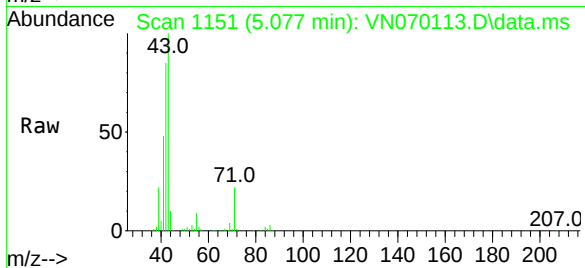
ClientSampleId :

Tgt Ion: 43 Resp: 346622

Ion Ratio Lower Upper

43 100

74 0.0 19.4 29.2#



#19

Methyl tert-butyl Ether

Concen: 0.875 ug/l

RT: 5.624 min Scan# 1355

Delta R.T. 0.006 min

Lab File: VN070113.D

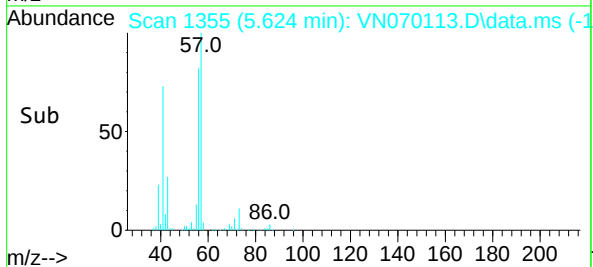
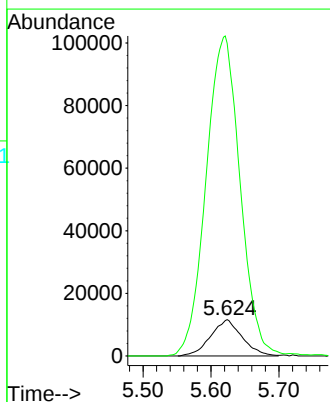
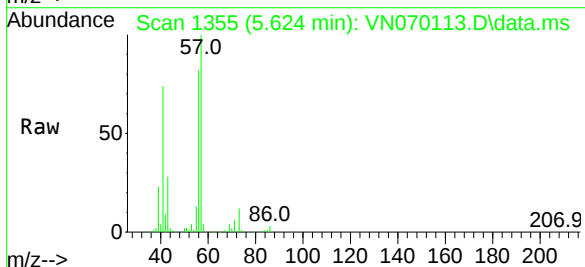
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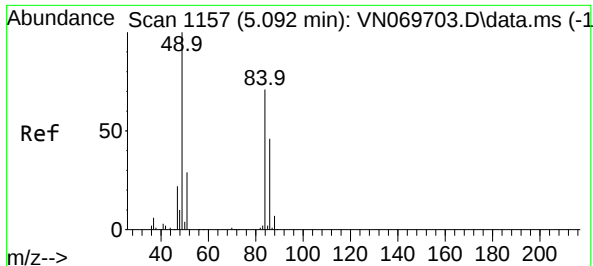
Tgt Ion: 73 Resp: 37258

Ion Ratio Lower Upper

73 100

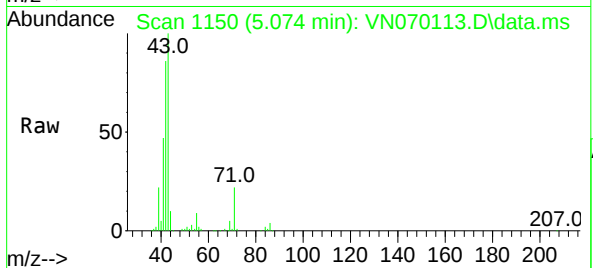
57 848.8 16.8 25.2#



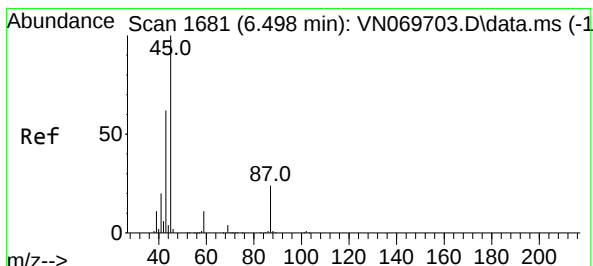
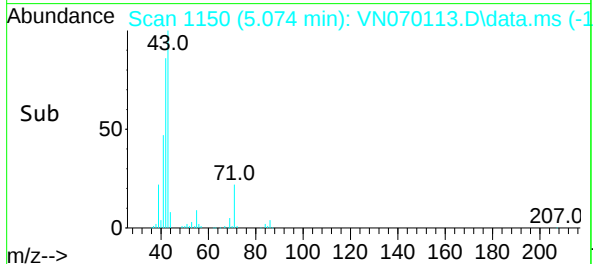
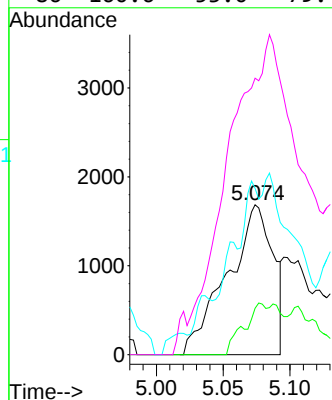


#20
Methylene Chloride
Concen: 0.284 ug/l
RT: 5.074 min Scan# 1157
Delta R.T. -0.019 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

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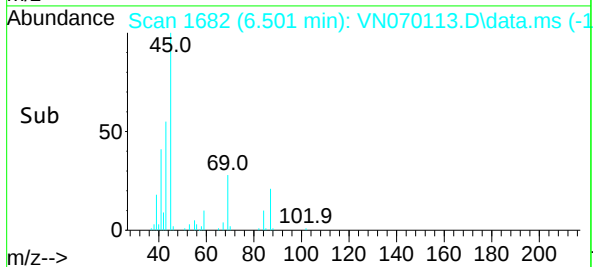
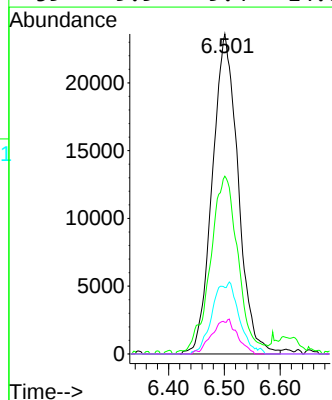
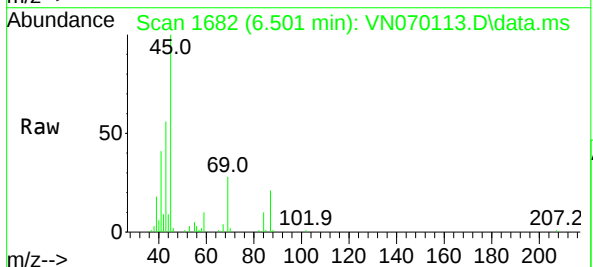


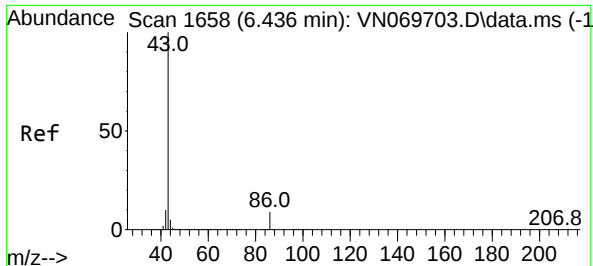
Tgt Ion: 84 Resp: 4027
Ion Ratio Lower Upper
84 100
49 31.0 93.5 140.3#
51 96.7 29.4 44.2#
86 160.6 53.0 79.4#



#22
Diisopropyl ether
Concen: 1.571 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 45 Resp: 75795
Ion Ratio Lower Upper
45 100
43 54.5 51.7 77.5
87 20.8 23.2 34.8#
59 9.9 9.4 14.0

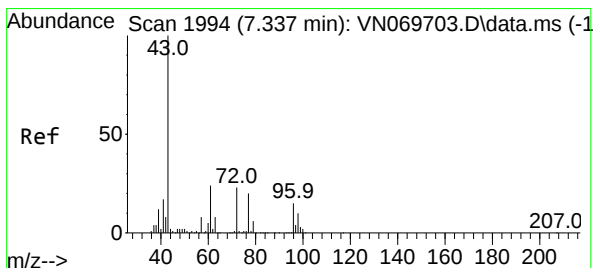
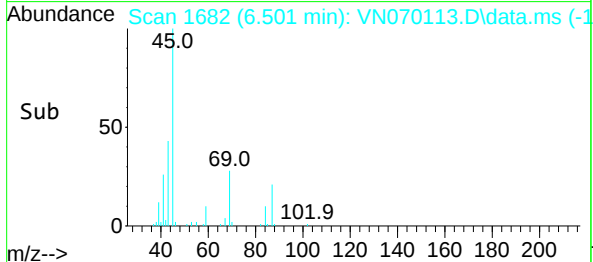
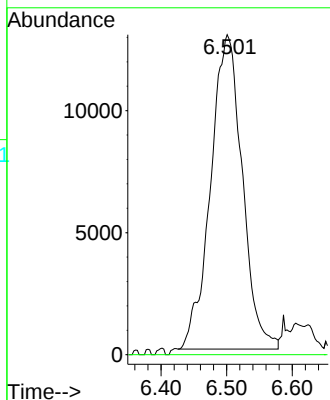
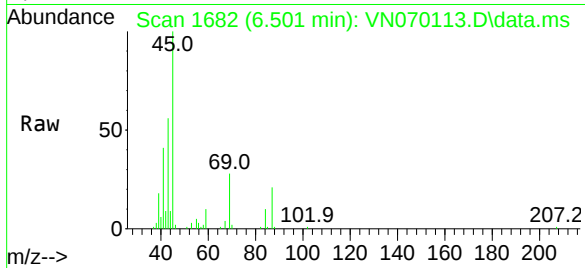




#23
 Vinyl Acetate
 Concen: 1.102 ug/l
 RT: 6.501 min Scan# 1
 Delta R.T. 0.065 min
 Lab File: VN070113.D
 Acq: 15 Dec 2021 15:52

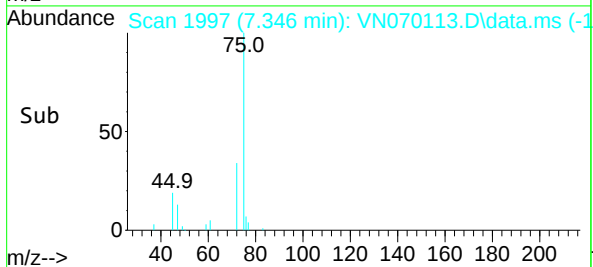
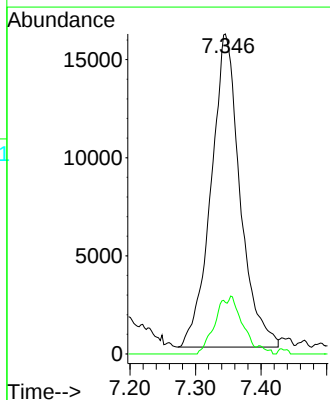
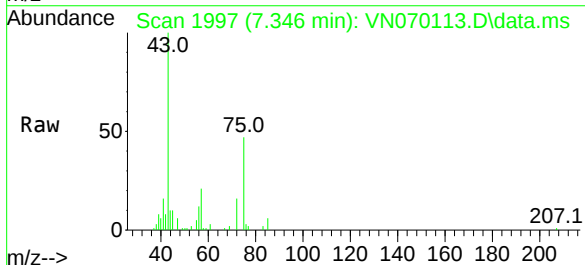
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 ClientSampleId :

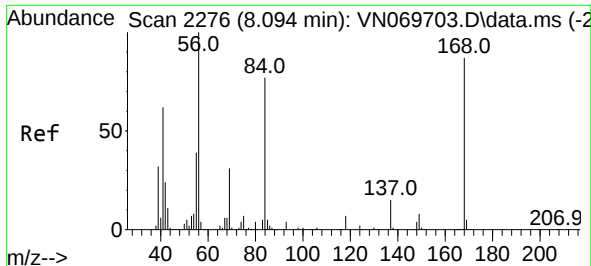
Tgt Ion: 43 Resp: 43280
 Ion Ratio Lower Upper
 43 100
 86 0.0 8.5 12.7#



#25
 2-Butanone
 Concen: 3.379 ug/l
 RT: 7.346 min Scan# 1997
 Delta R.T. 0.008 min
 Lab File: VN070113.D
 Acq: 15 Dec 2021 15:52

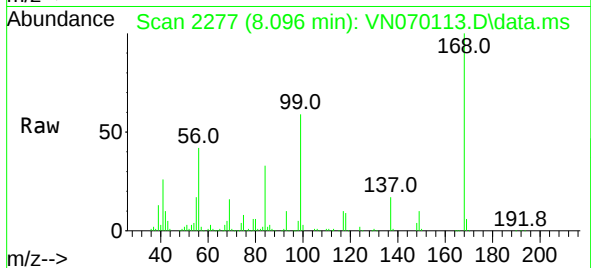
Tgt Ion: 43 Resp: 49044
 Ion Ratio Lower Upper
 43 100
 72 16.4 21.7 32.5#



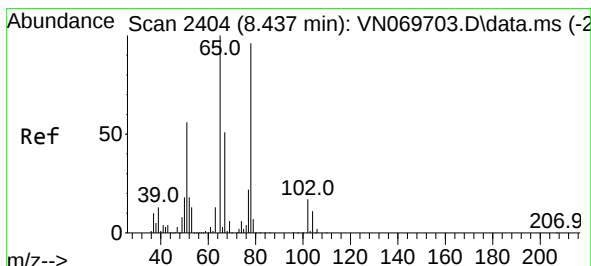
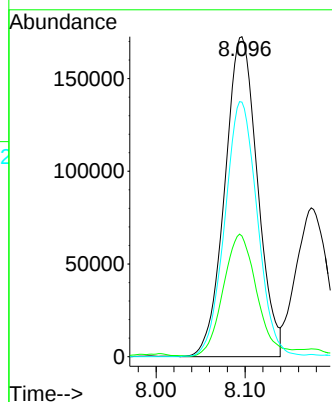
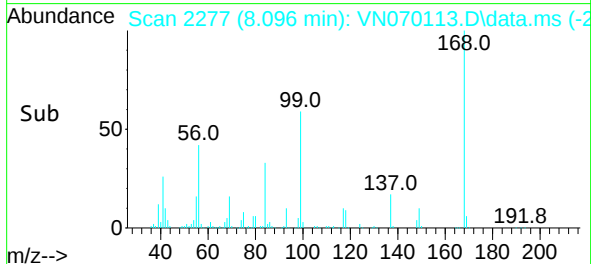


#31
Cyclohexane
Concen: 17.818 ug/l
RT: 8.096 min Scan# 21
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

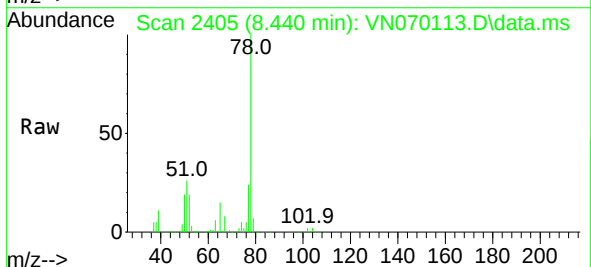
Instrument :
MSVOA_N
ClientSampleId :



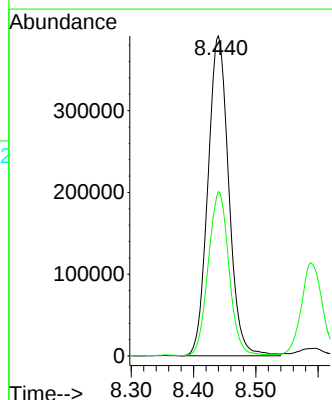
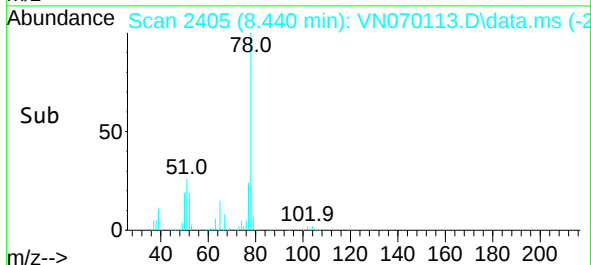
Tgt Ion: 56 Resp: 440409
Ion Ratio Lower Upper
56 100
69 37.4 27.1 40.7
84 79.5 73.4 110.0

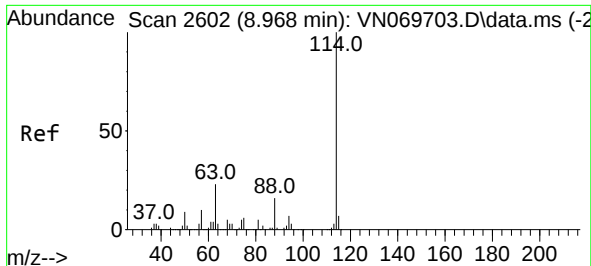


#33
1,2-Dichloroethane-d4
Concen: 51.179 ug/l
RT: 8.440 min Scan# 2405
Delta R.T. 0.003 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52



Tgt Ion: 65 Resp: 908984
Ion Ratio Lower Upper
65 100
67 50.8 0.0 103.0

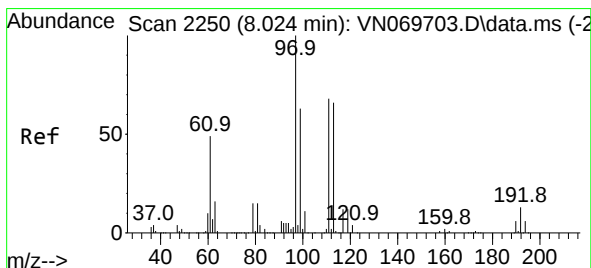
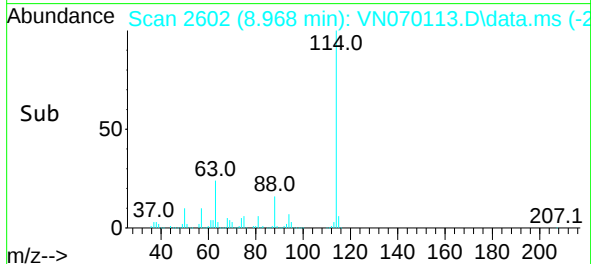
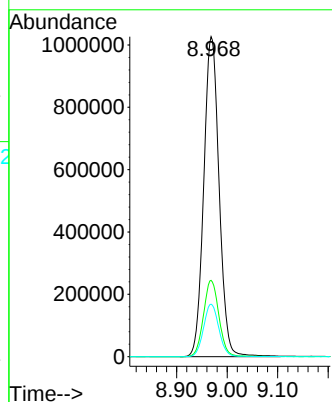
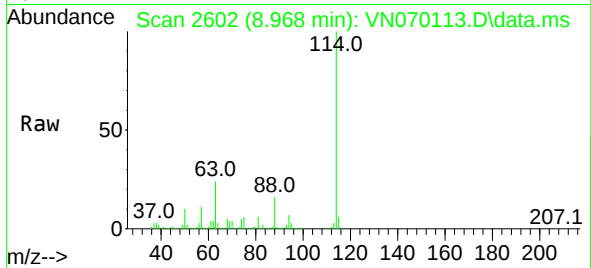




#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.968 min Scan# 2602
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

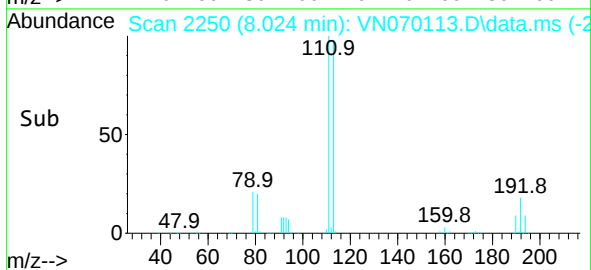
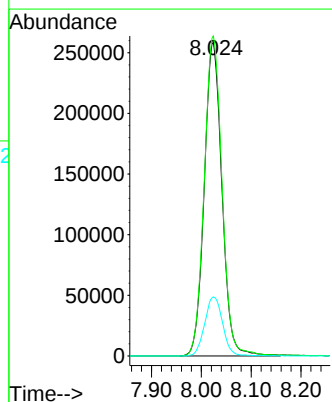
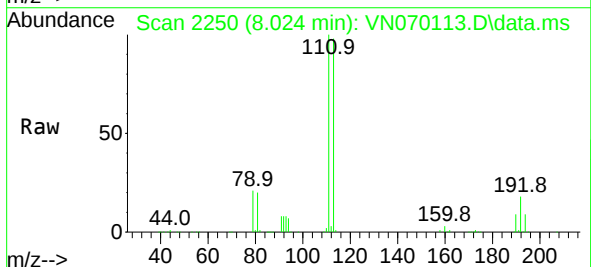
Instrument :
MSVOA_N
ClientSampleId :

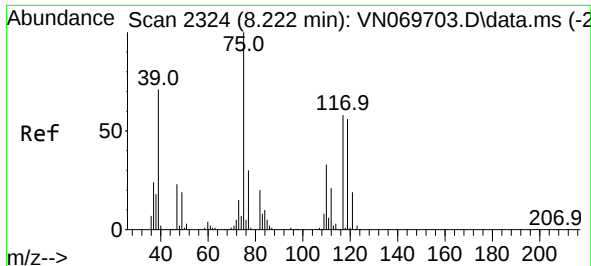
Tgt Ion:114 Resp: 2171084
Ion Ratio Lower Upper
114 100
63 23.8 0.0 37.8
88 16.4 0.0 27.4



#35
Dibromofluoromethane
Concen: 46.914 ug/l
RT: 8.024 min Scan# 2250
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

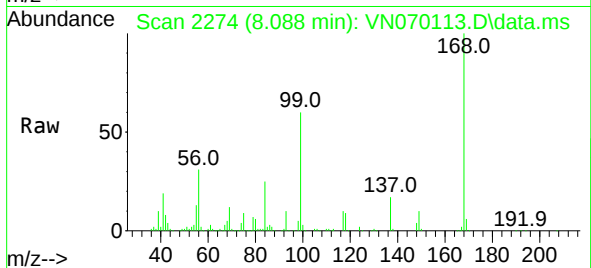
Tgt Ion:113 Resp: 637989
Ion Ratio Lower Upper
113 100
111 103.0 82.2 123.2
192 19.1 16.9 25.3



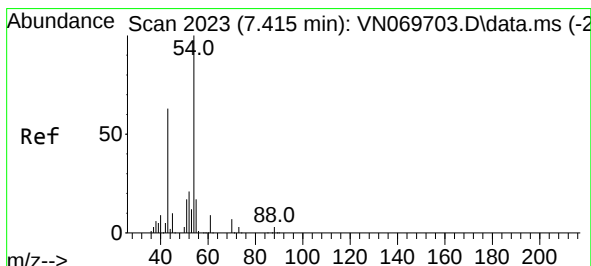
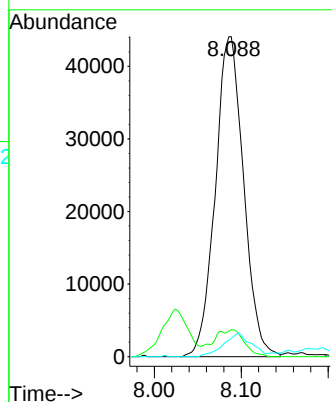
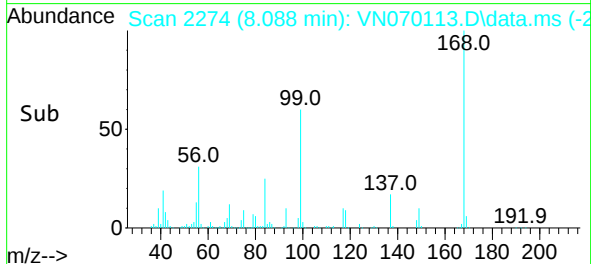


#36
1,1-Dichloropropene
Concen: 4.820 ug/l
RT: 8.088 min Scan# 21
Delta R.T. -0.134 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

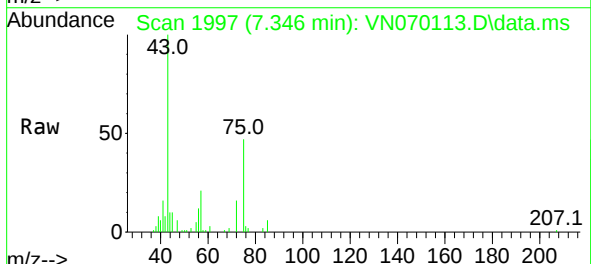
Instrument :
MSVOA_N
ClientSampleId :



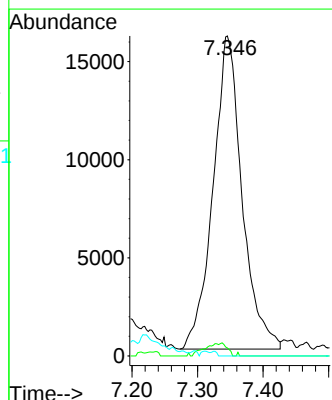
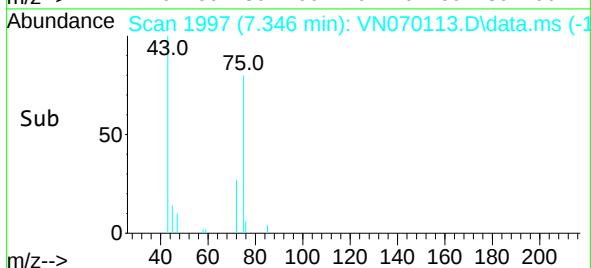
Tgt Ion: 75 Resp: 99625
Ion Ratio Lower Upper
75 100
110 1.2 18.4 55.2#
77 0.0 24.4 36.6#

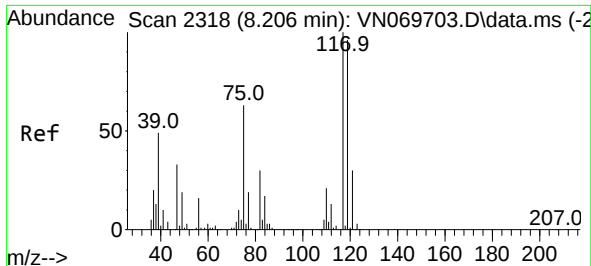


#37
Ethyl Acetate
Concen: 1.594 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. -0.069 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52



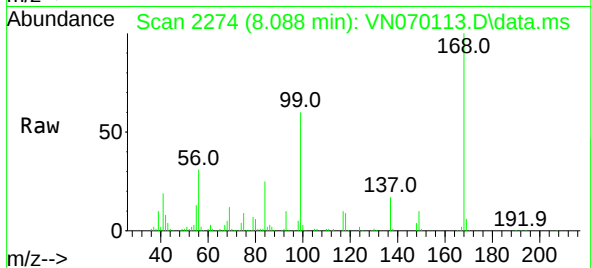
Tgt Ion: 43 Resp: 49044
Ion Ratio Lower Upper
43 100
61 2.1 11.5 17.3#
70 0.0 7.9 11.9#



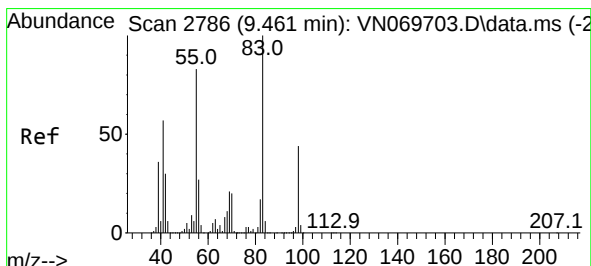
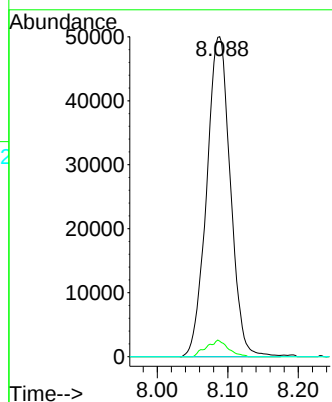
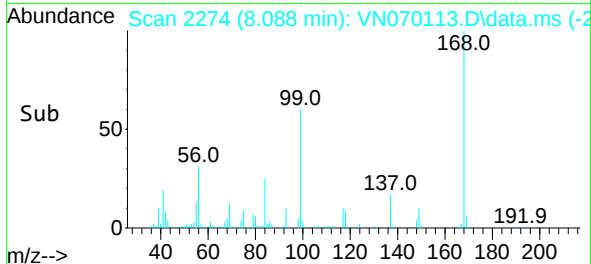


#38
Carbon Tetrachloride
Concen: 5.753 ug/l
RT: 8.088 min Scan# 211
Delta R.T. -0.118 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

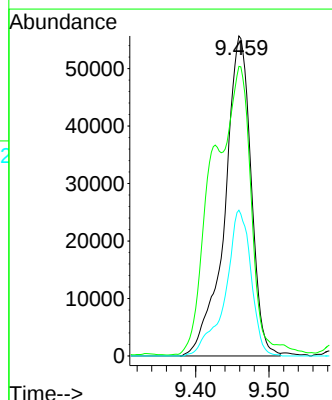
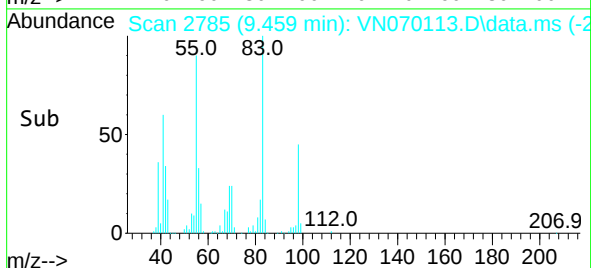
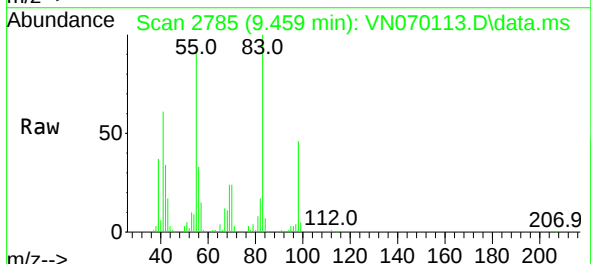


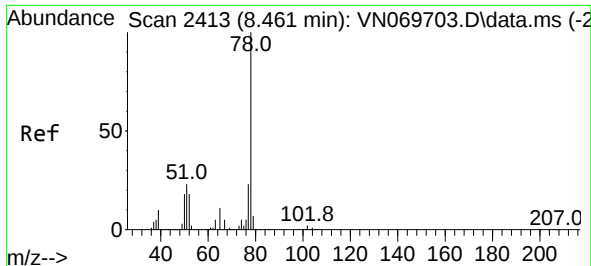
Tgt Ion:117 Resp: 116605
Ion Ratio Lower Upper
117 100
119 4.9 76.1 114.1#
121 0.0 24.2 36.2#



#39
Methylcyclohexane
Concen: 5.655 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 83 Resp: 139019
Ion Ratio Lower Upper
83 100
55 89.8 58.1 87.1#
98 45.6 38.4 57.6

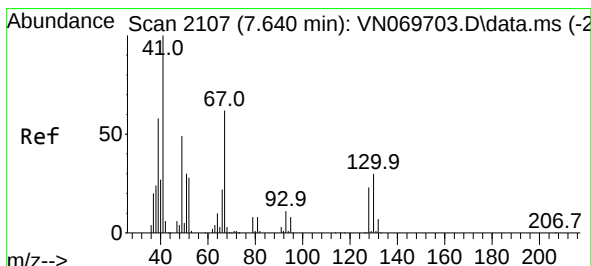
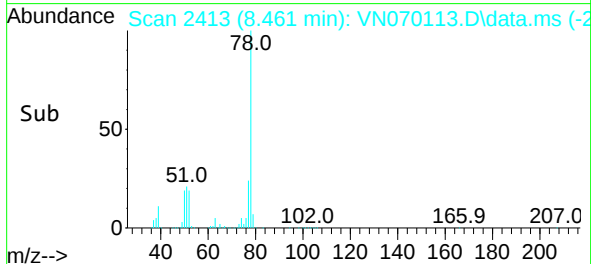
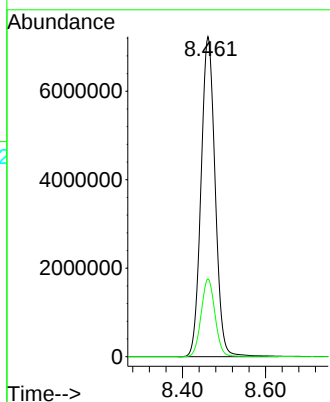
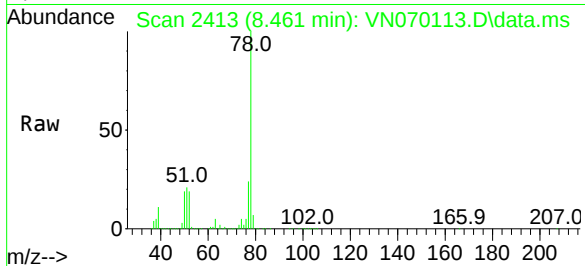




#40
Benzene
Concen: 269.791 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

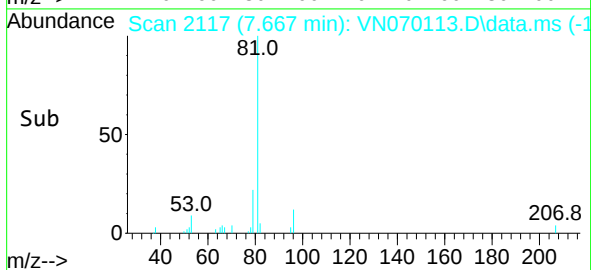
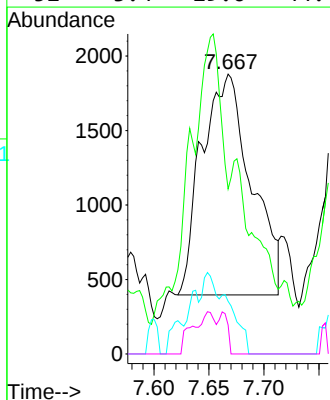
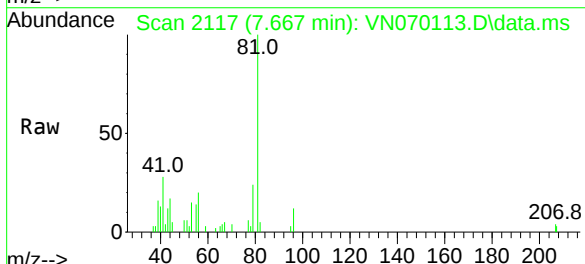
Instrument :
MSVOA_N
ClientSampleId :

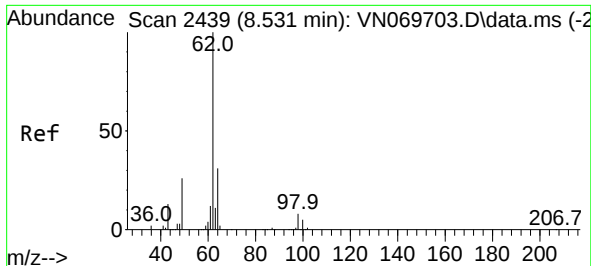
Tgt Ion: 78 Resp:17043889
Ion Ratio Lower Upper
78 100
77 24.4 18.6 27.8



#41
Methacrylonitrile
Concen: 0.322 ug/l
RT: 7.667 min Scan# 2117
Delta R.T. 0.027 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 41 Resp: 4644
Ion Ratio Lower Upper
41 100
39 0.0 48.1 72.1#
67 0.0 68.3 102.5#
52 3.4 29.6 44.4#





#42

1,2-Dichloroethane

Concen: 6.522 ug/l

RT: 8.461 min Scan# 24

Delta R.T. -0.070 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

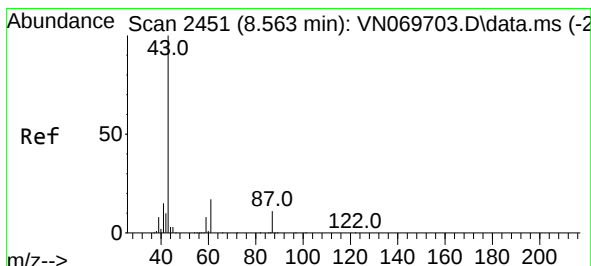
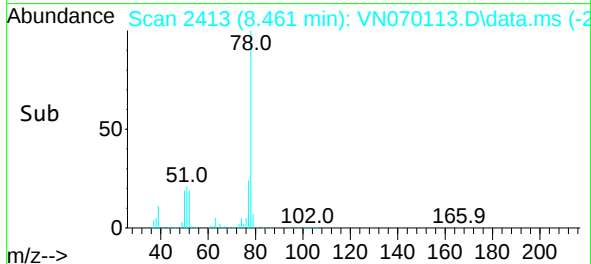
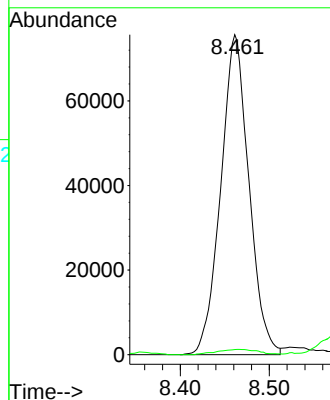
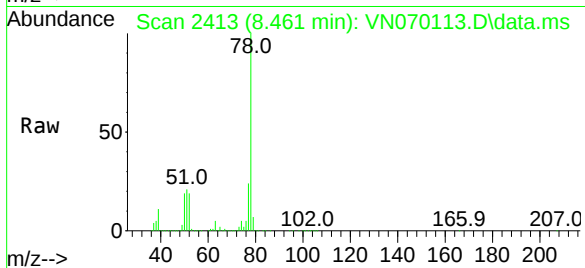
ClientSampleId :

Tgt Ion: 62 Resp: 166323

Ion Ratio Lower Upper

62 100

98 2.5 0.0 17.6



#43

Isopropyl Acetate

Concen: 1.027 ug/l

RT: 8.555 min Scan# 2448

Delta R.T. -0.008 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

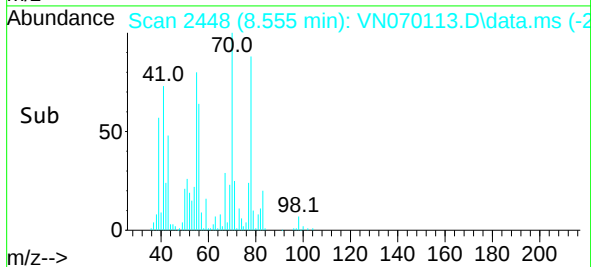
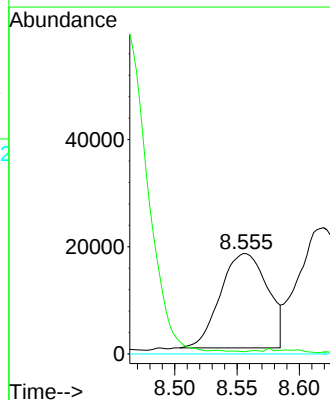
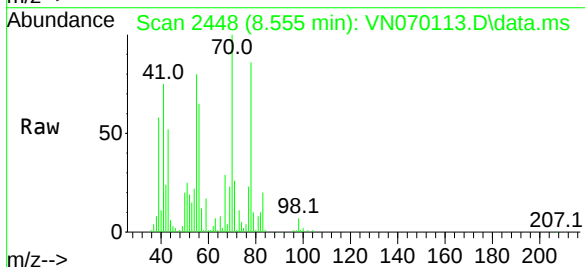
Tgt Ion: 43 Resp: 46736

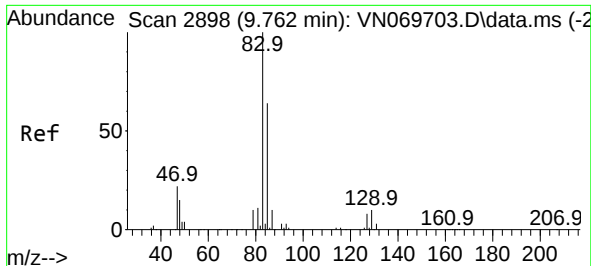
Ion Ratio Lower Upper

43 100

61 0.0 20.4 30.6#

87 0.0 11.2 16.8#

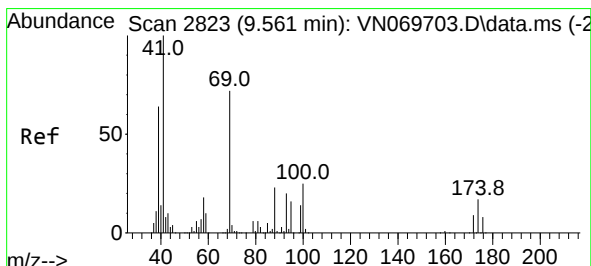
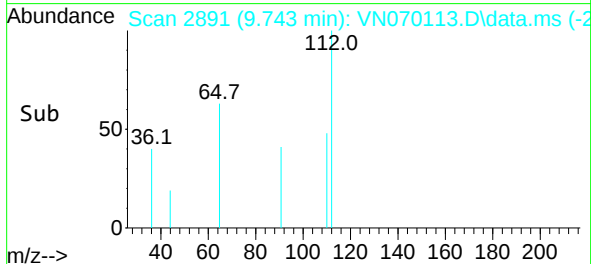
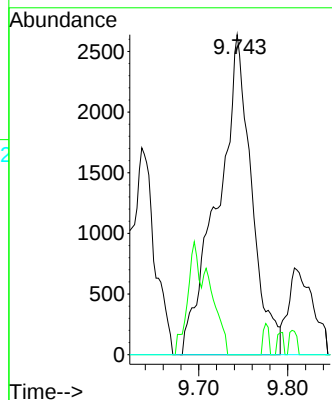
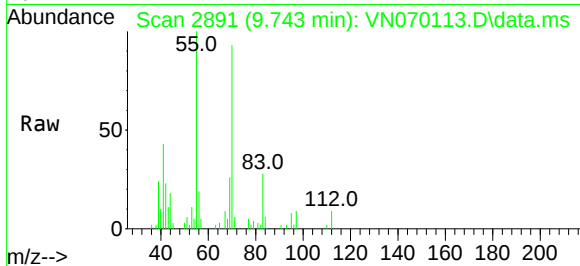




#47
Bromodichloromethane
Concen: 0.331 ug/l
RT: 9.743 min Scan# 21
Delta R.T. -0.019 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

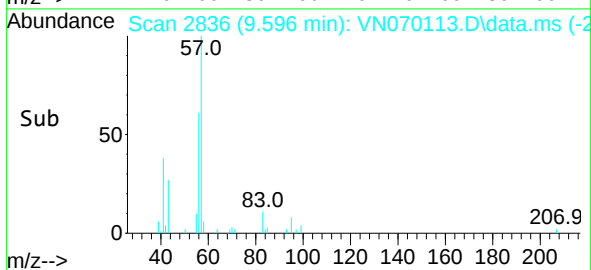
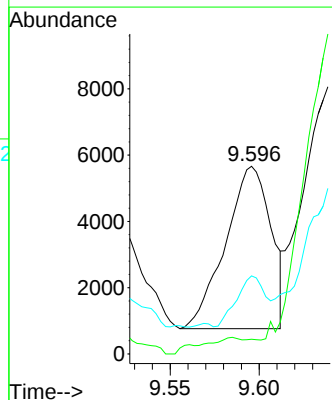
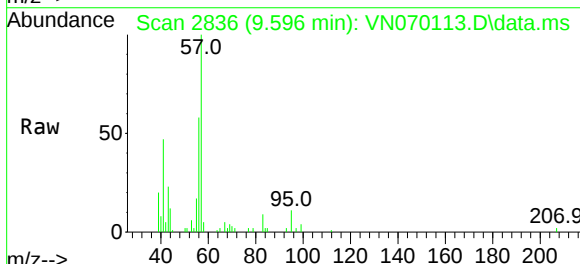
Instrument :
MSVOA_N
ClientSampleId :

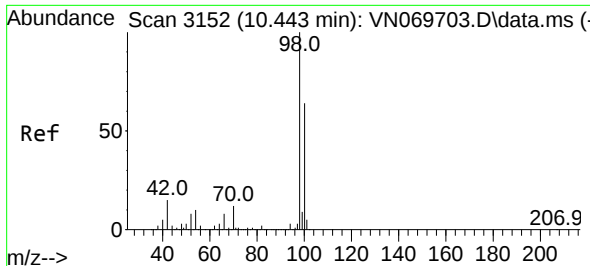
Tgt Ion: 83 Resp: 6980
Ion Ratio Lower Upper
83 100
85 0.0 50.9 76.3#
127 0.0 7.1 10.7#



#48
Methyl methacrylate
Concen: 0.409 ug/l
RT: 9.596 min Scan# 2836
Delta R.T. 0.035 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 41 Resp: 8684
Ion Ratio Lower Upper
41 100
69 0.0 72.4 108.6#
39 19.7 58.4 87.6#

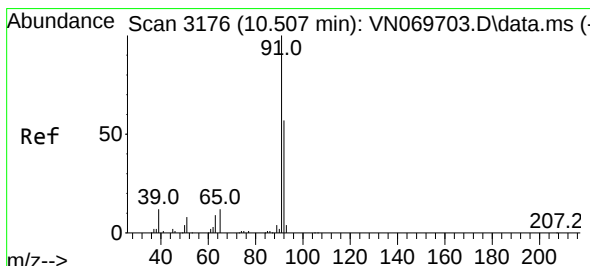
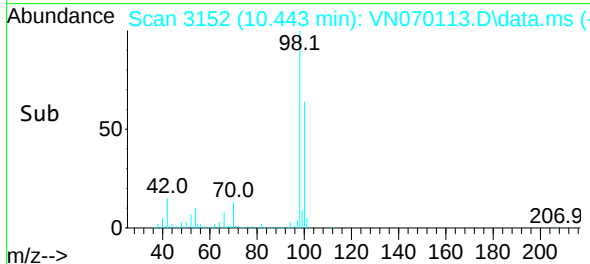
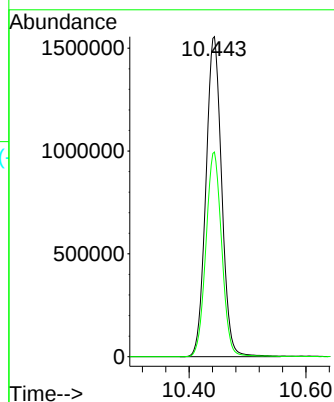
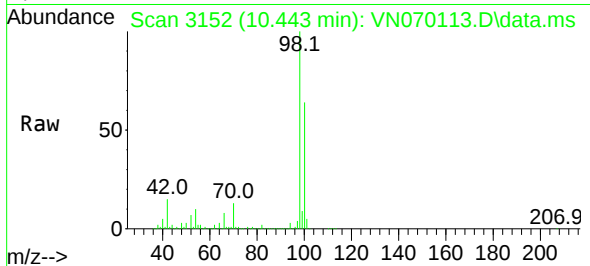




#50
Toluene-d8
Concen: 53.397 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

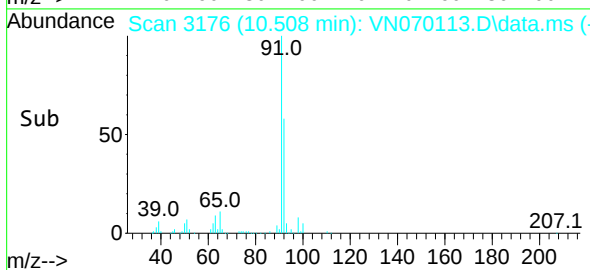
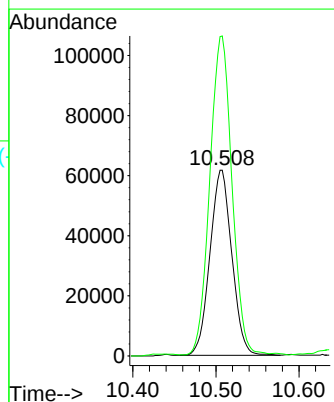
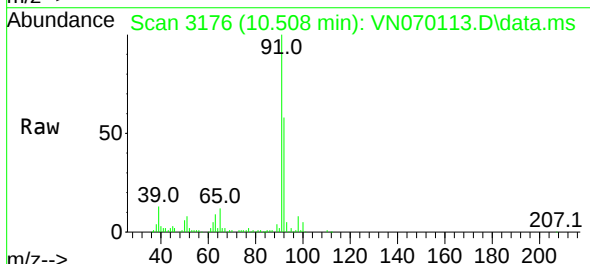
Instrument :
MSVOA_N
ClientSampleId :

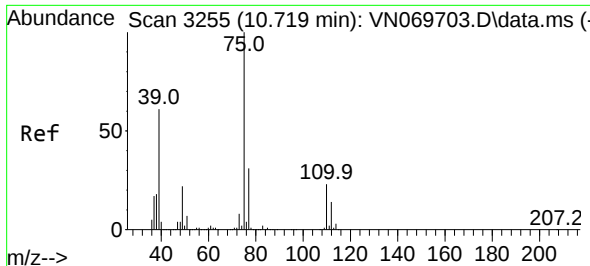
Tgt Ion: 98 Resp: 2915774
Ion Ratio Lower Upper
98 100
100 63.9 50.4 75.6



#52
Toluene
Concen: 2.919 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

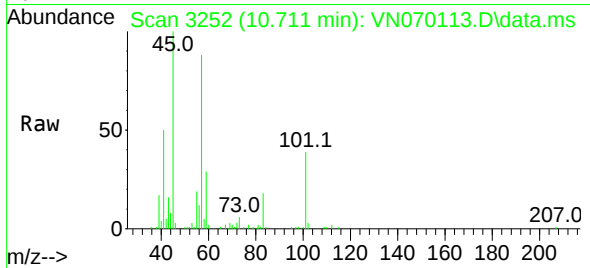
Tgt Ion: 92 Resp: 112574
Ion Ratio Lower Upper
92 100
91 174.4 142.0 213.0



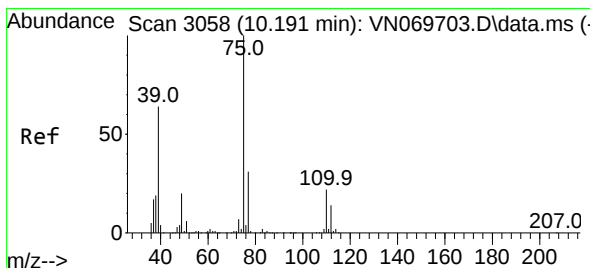
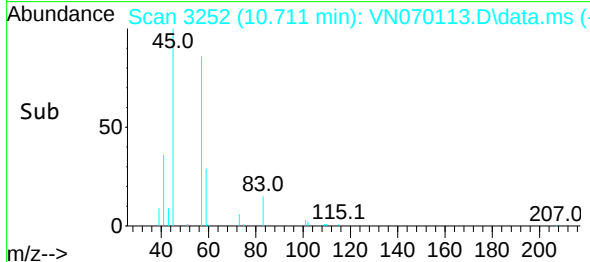
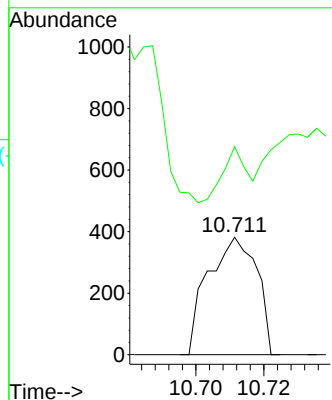


#53
t-1,3-Dichloropropene
Concen: 2.808 ug/l
RT: 10.711 min Scan# 31
Delta R.T. -0.008 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

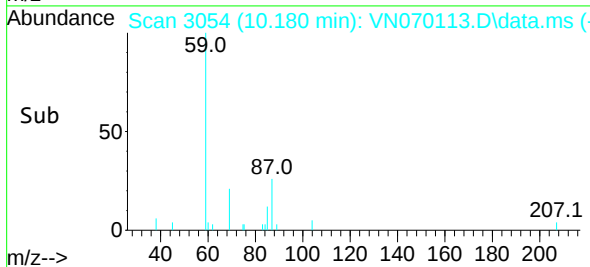
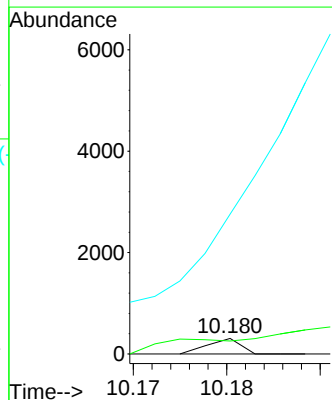
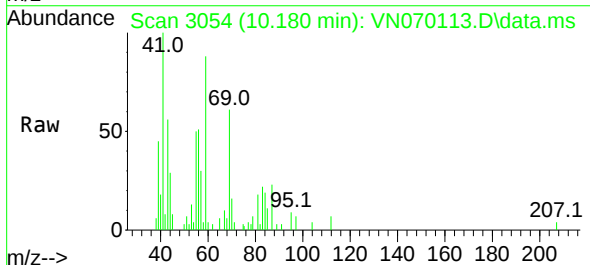


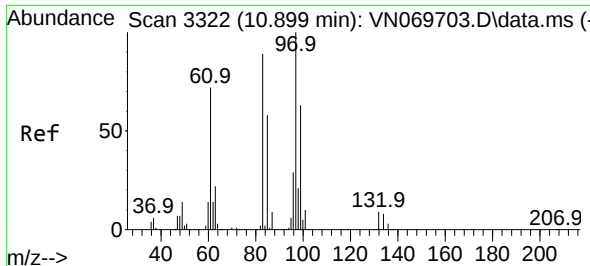
Tgt Ion: 75 Resp: 380
Ion Ratio Lower Upper
75 100
77 38.7 25.6 38.4#



#54
cis-1,3-Dichloropropene
Concen: 2.001 ug/l
RT: 10.180 min Scan# 3054
Delta R.T. -0.011 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

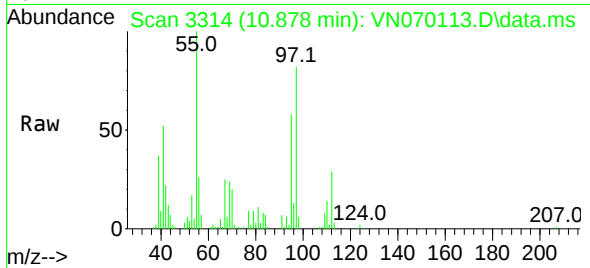
Tgt Ion: 75 Resp: 75
Ion Ratio Lower Upper
75 100
77 0.0 26.4 39.6#
39 428.2 42.5 63.7#



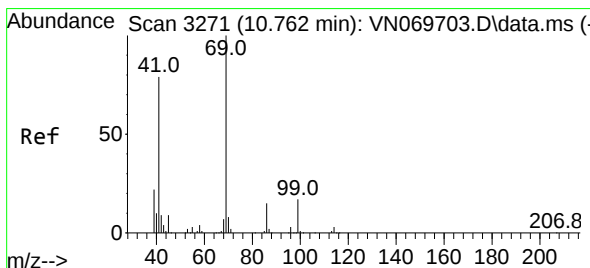
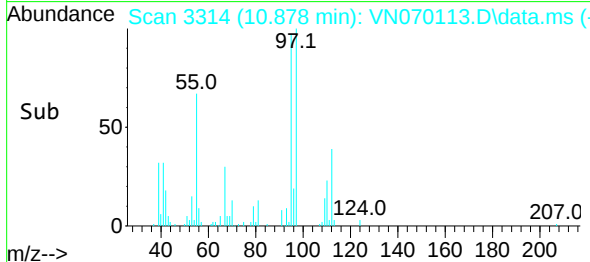
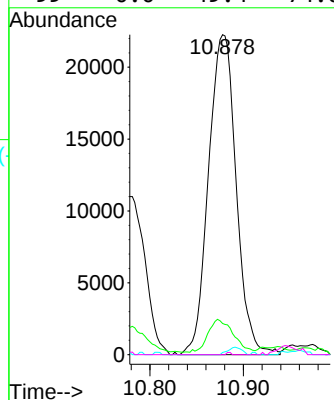


#55
1,1,2-Trichloroethane
Concen: 2.942 ug/l
RT: 10.878 min Scan# 31
Delta R.T. -0.021 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

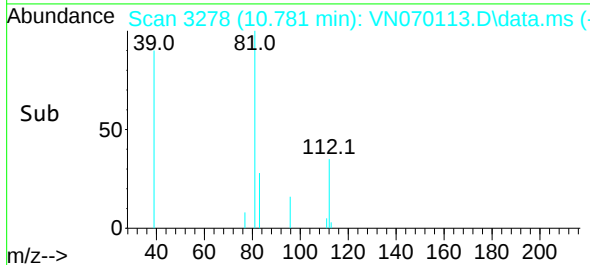
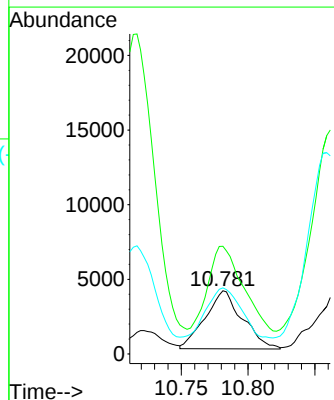
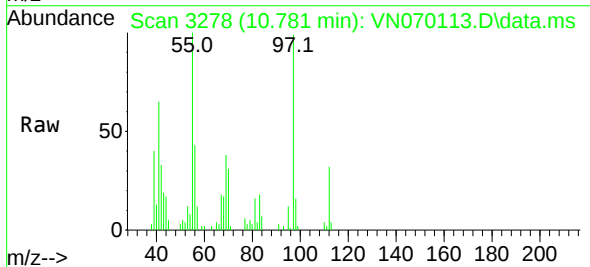


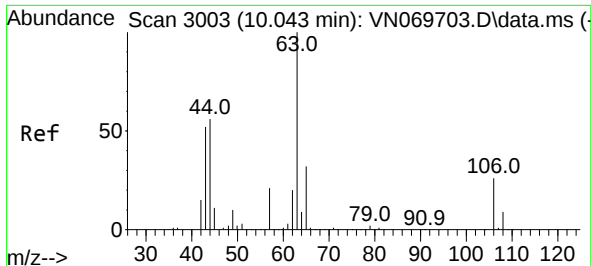
Tgt Ion: 97 Resp: 45790
Ion Ratio Lower Upper
97 100
83 8.9 67.8 101.6#
85 0.7 45.4 68.2#
99 0.0 49.4 74.0#



#56
Ethyl methacrylate
Concen: 2.524 ug/l
RT: 10.781 min Scan# 3278
Delta R.T. 0.019 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 69 Resp: 7535
Ion Ratio Lower Upper
69 100
41 155.5 51.4 77.0#
39 78.7 34.6 52.0#

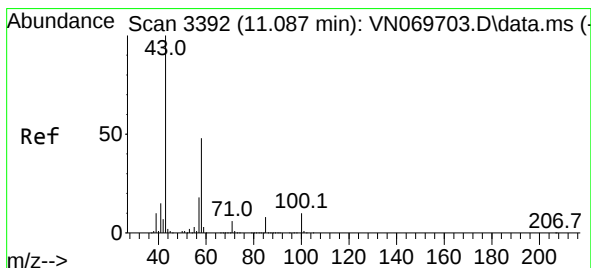
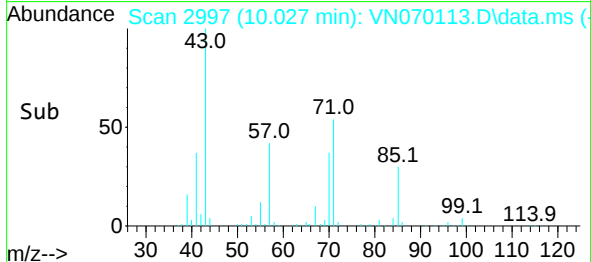
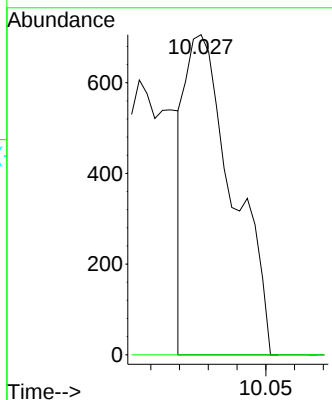
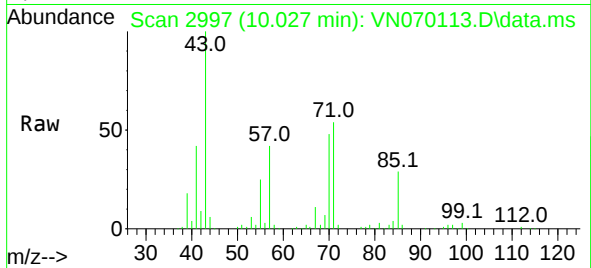




#58
2-Chloroethyl Vinyl ether
Concen: 18.484 ug/l
RT: 10.027 min Scan# 2997
Delta R.T. -0.016 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

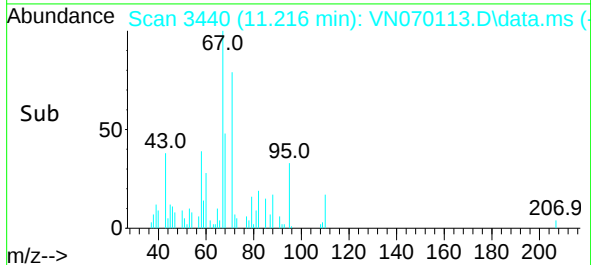
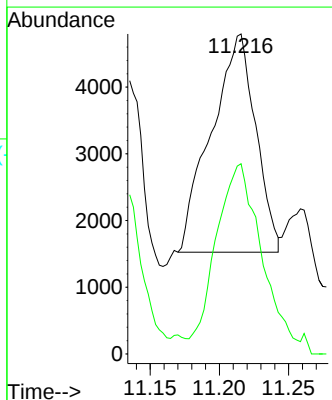
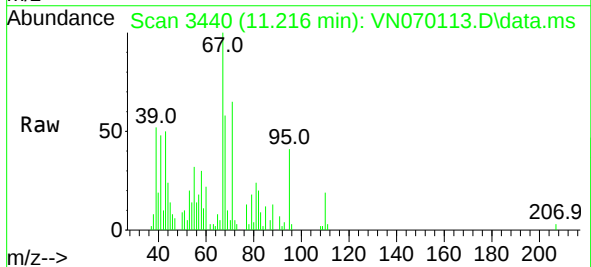
Instrument :
MSVOA_N
ClientSampleId :

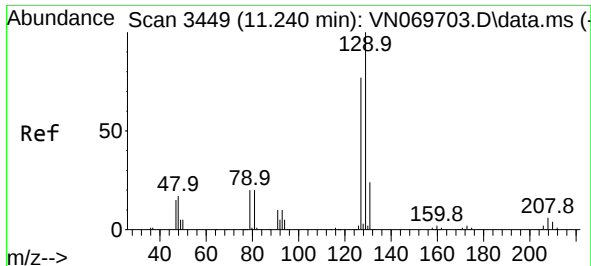
Tgt Ion: 63 Resp: 817
Ion Ratio Lower Upper
63 100
106 0.0 23.9 35.9#



#59
2-Hexanone
Concen: 0.326 ug/l
RT: 11.216 min Scan# 3440
Delta R.T. 0.129 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 43 Resp: 7293
Ion Ratio Lower Upper
43 100
58 80.4 26.9 80.7

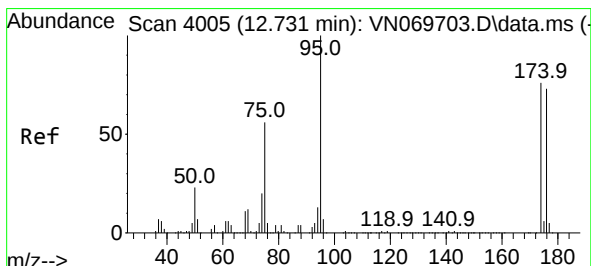
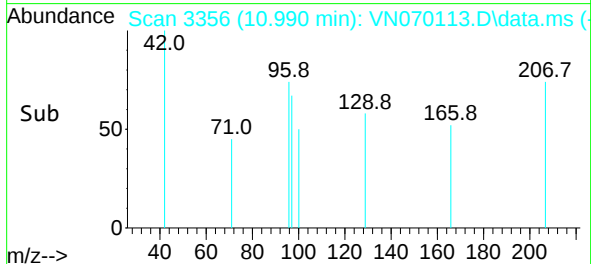
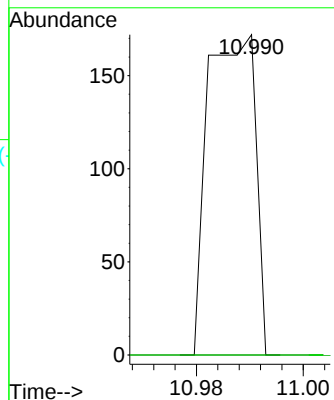
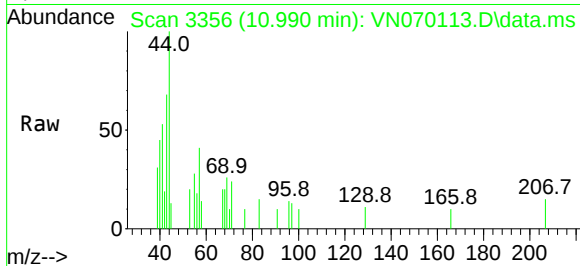




#60
Dibromochloromethane
Concen: 2.382 ug/l
RT: 10.990 min Scan# 31
Delta R.T. -0.250 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

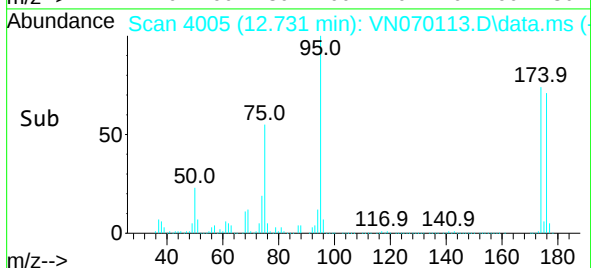
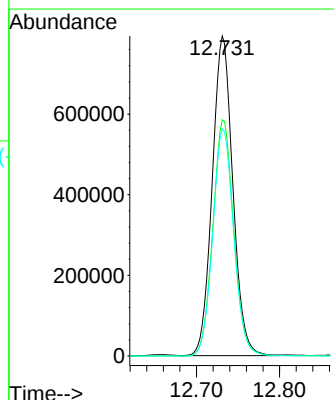
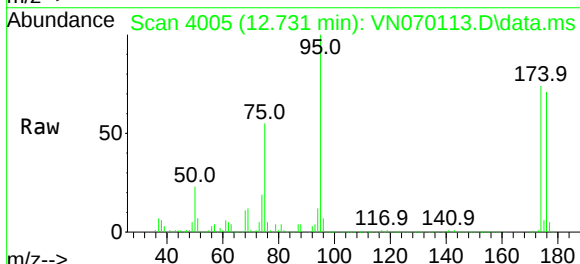
Instrument :
MSVOA_N
ClientSampleId :

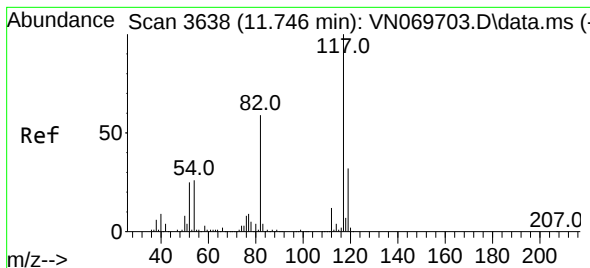
Tgt Ion:129 Resp: 105
Ion Ratio Lower Upper
129 100
127 0.0 38.6 116.0#



#62
4-Bromofluorobenzene
Concen: 68.955 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 95 Resp: 1364098
Ion Ratio Lower Upper
95 100
174 75.1 0.0 187.2
176 72.4 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3637

Delta R.T. -0.002 min

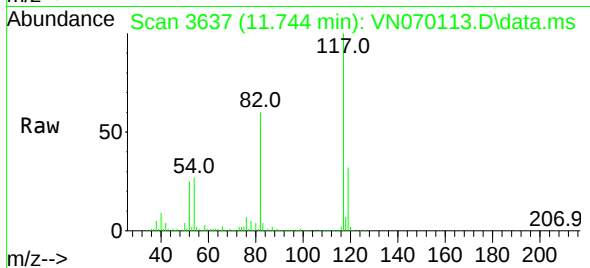
Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

ClientSampleId :



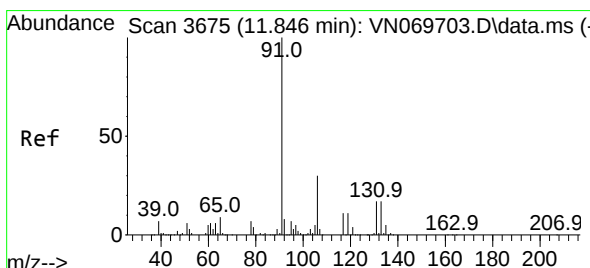
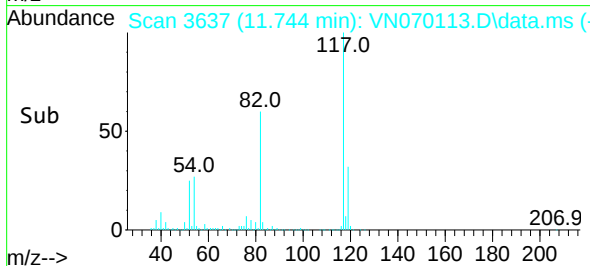
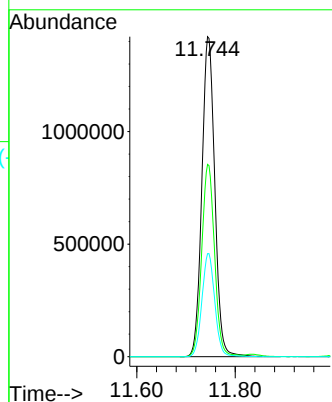
Tgt Ion:117 Resp: 2587465

Ion Ratio Lower Upper

117 100

82 60.1 42.4 63.6

119 32.2 25.4 38.2



#67

Ethyl Benzene

Concen: 1.927 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070113.D

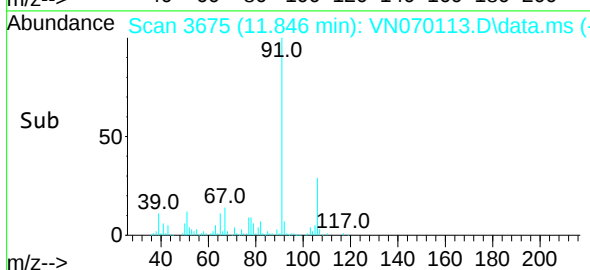
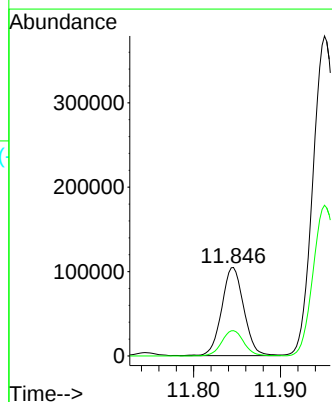
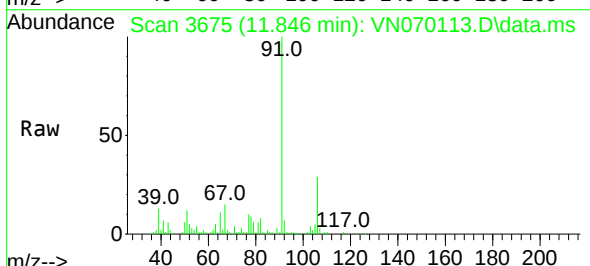
Acq: 15 Dec 2021 15:52

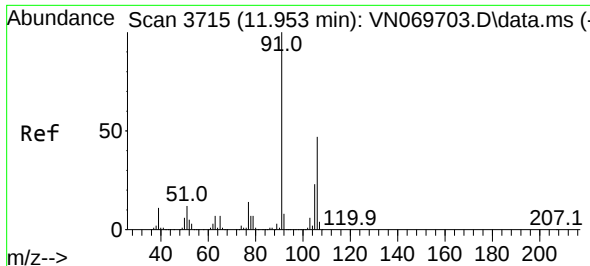
Tgt Ion: 91 Resp: 183778

Ion Ratio Lower Upper

91 100

106 28.7 25.7 38.5

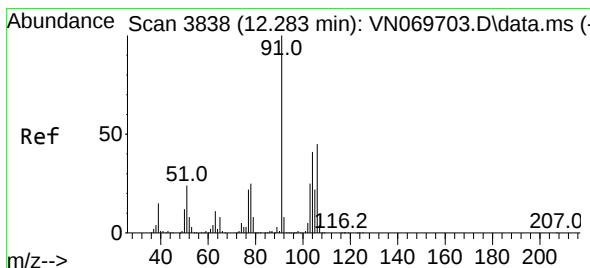
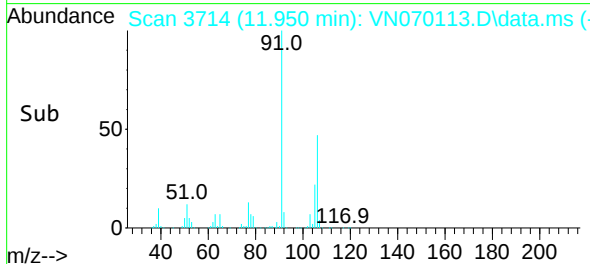
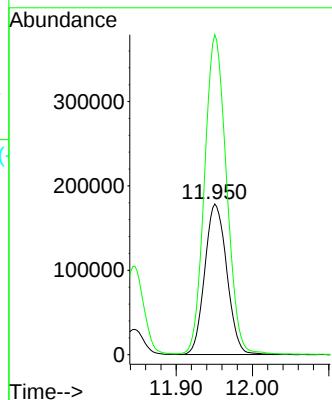
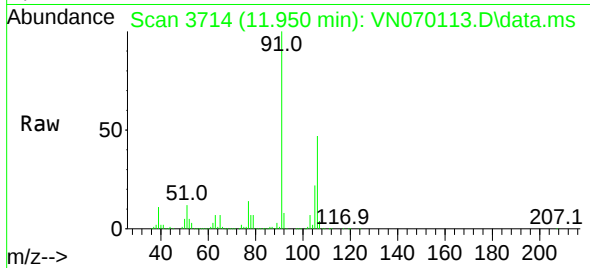




#68
m/p-Xylenes
Concen: 10.329 ug/l
RT: 11.950 min Scan# 31
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

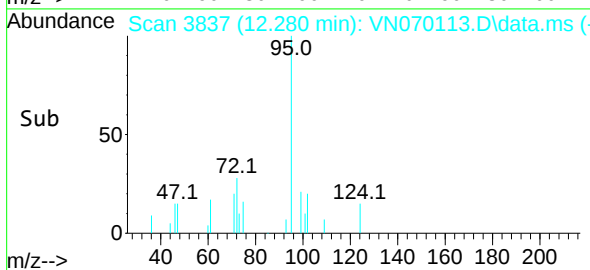
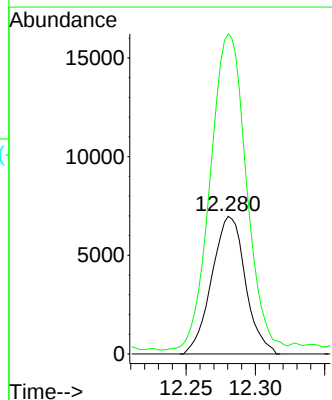
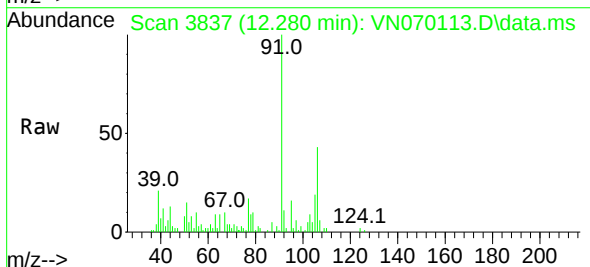
Instrument :
MSVOA_N
ClientSampleId :

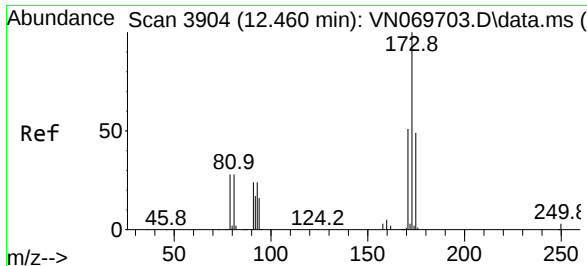
Tgt Ion:106 Resp: 358603
Ion Ratio Lower Upper
106 100
91 210.8 160.6 240.8



#69
o-Xylene
Concen: 0.336 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:106 Resp: 11766
Ion Ratio Lower Upper
106 100
91 245.7 105.8 317.3

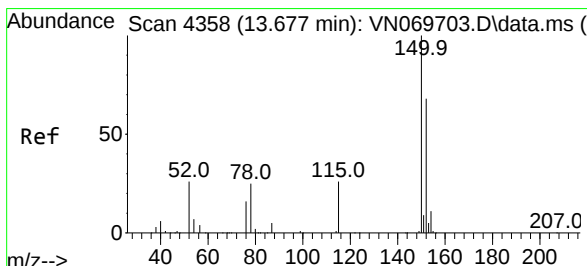
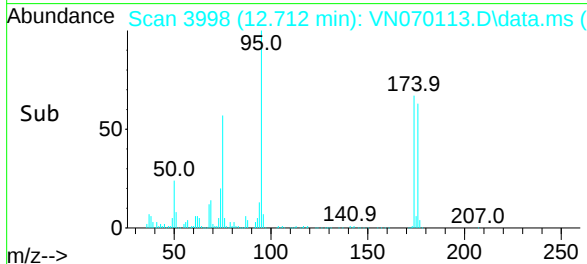
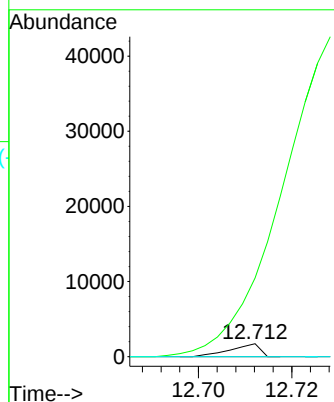
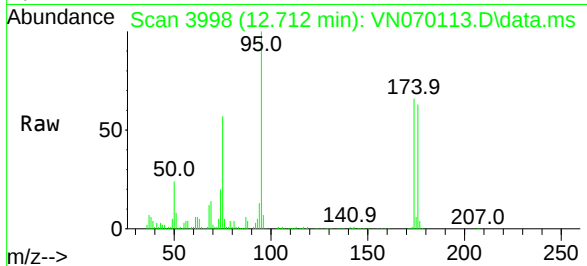




#71
Bromoform
Concen: 2.776 ug/l
RT: 12.712 min Scan# 3904
Delta R.T. 0.252 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

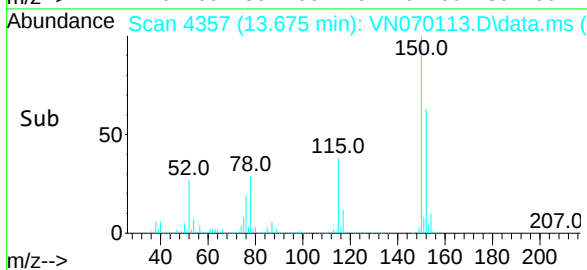
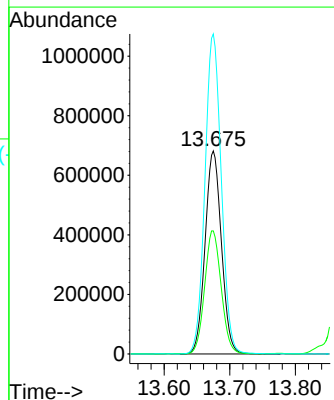
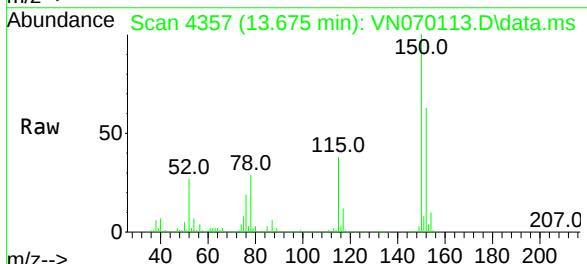
Instrument :
MSVOA_N
ClientSampleId :

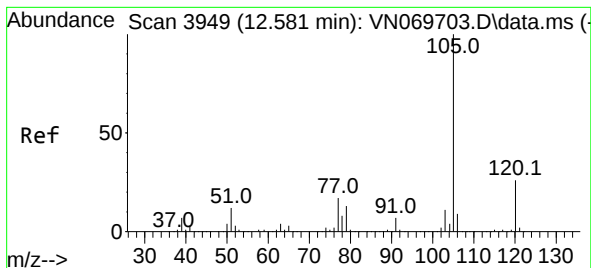
Tgt Ion:173 Resp: 757
Ion Ratio Lower Upper
173 100
175 0.0 24.2 72.6#
254 0.0 0.0 0.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion:152 Resp: 1178013
Ion Ratio Lower Upper
152 100
115 61.1 27.5 82.5
150 157.5 0.0 344.4





#73

Isopropylbenzene

Concen: 11.074 ug/l

RT: 12.578 min Scan# 3948

Delta R.T. -0.002 min MSVOA_N

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

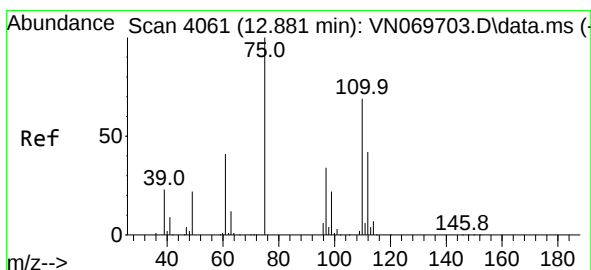
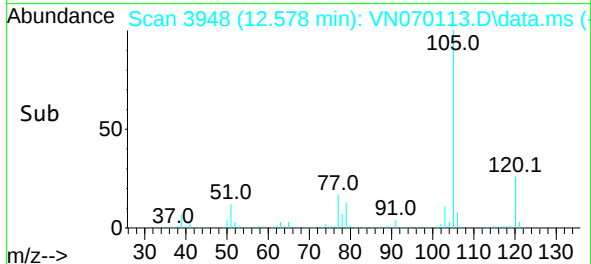
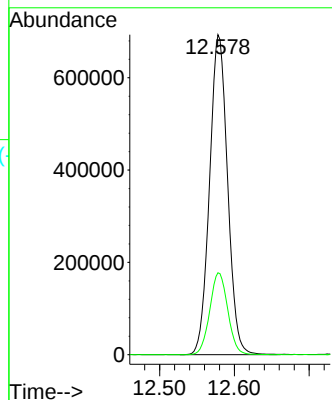
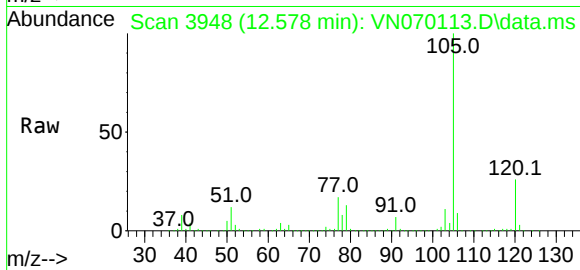
ClientSampleId :

Tgt Ion:105 Resp: 1160698

Ion Ratio Lower Upper

105 100

120 25.6 13.4 40.1



#76

1,2,3-Trichloropropane

Concen: 22.430 ug/l

RT: 12.731 min Scan# 4005

Delta R.T. -0.150 min

Lab File: VN070113.D

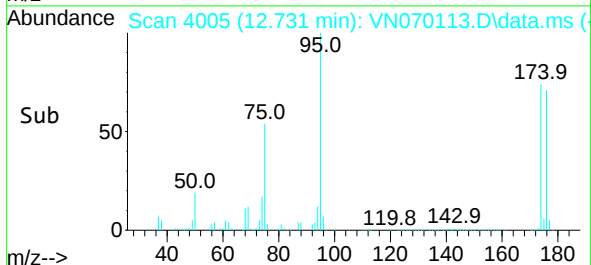
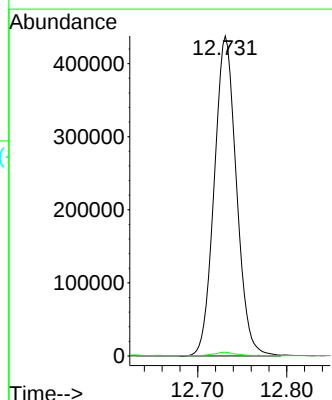
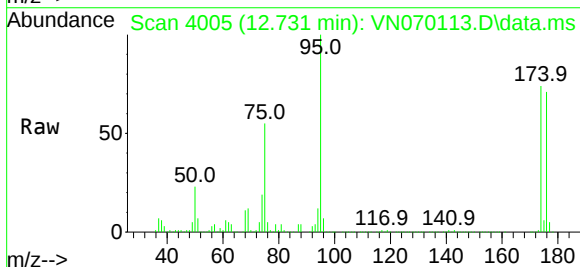
Acq: 15 Dec 2021 15:52

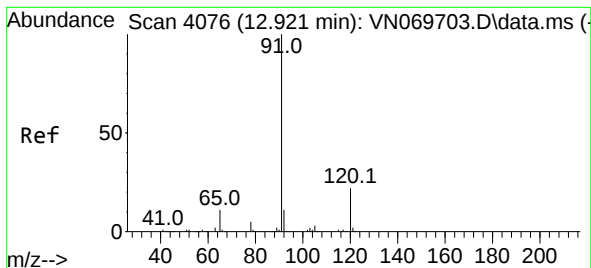
Tgt Ion: 75 Resp: 757749

Ion Ratio Lower Upper

75 100

77 1.1 82.6 247.8#





#78

n-propylbenzene

Concen: 26.272 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. 0.000 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

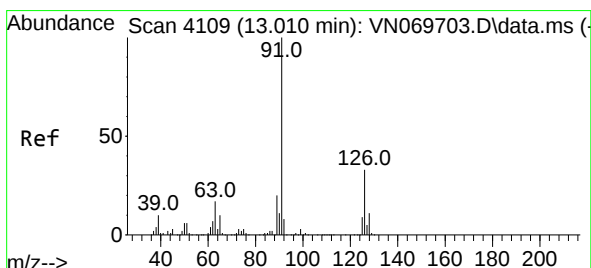
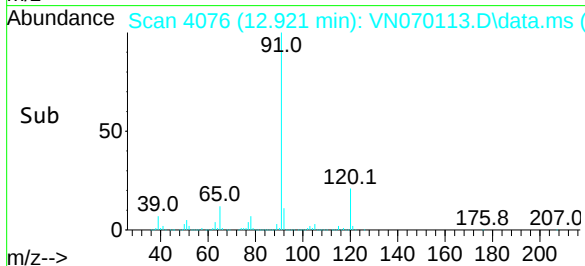
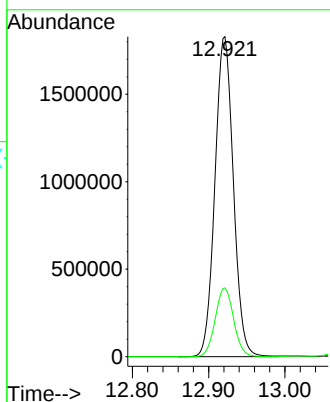
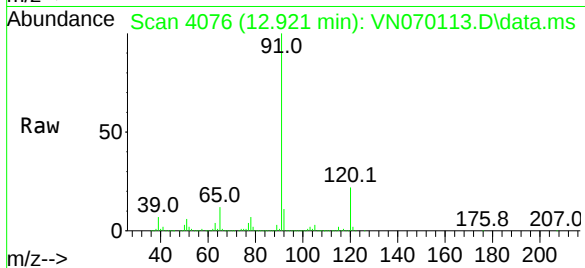
ClientSampleId :

Tgt Ion: 91 Resp: 3064118

Ion Ratio Lower Upper

91 100

120 21.6 11.9 35.9



#79

2-Chlorotoluene

Concen: 41.578 ug/l

RT: 12.921 min Scan# 4076

Delta R.T. -0.088 min

Lab File: VN070113.D

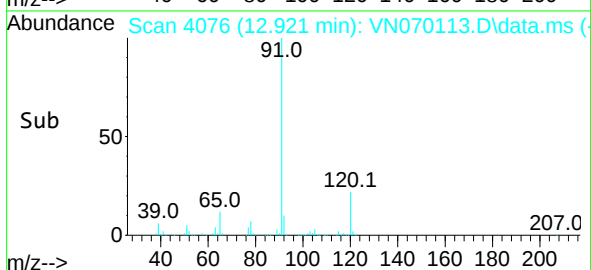
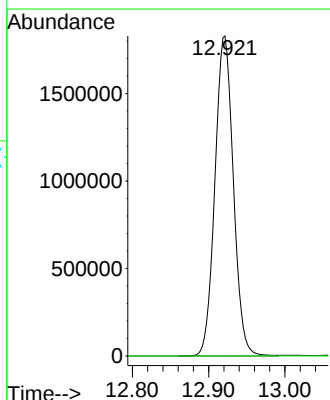
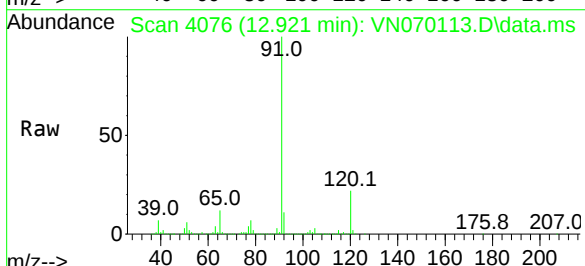
Acq: 15 Dec 2021 15:52

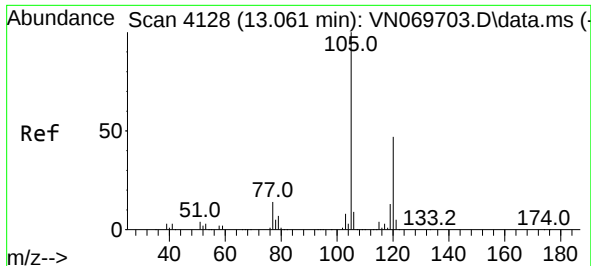
Tgt Ion: 91 Resp: 3064118

Ion Ratio Lower Upper

91 100

126 0.0 18.3 54.8#

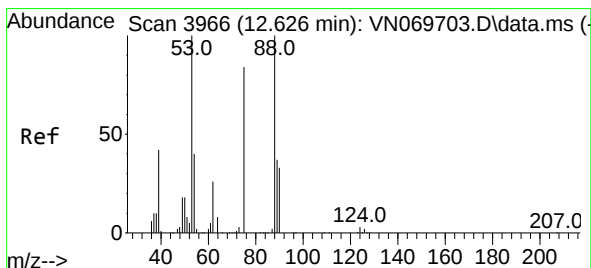
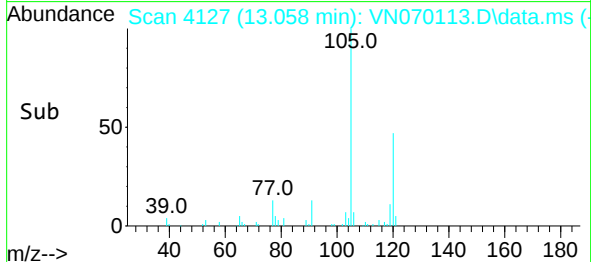
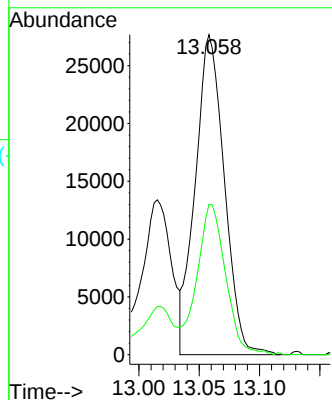
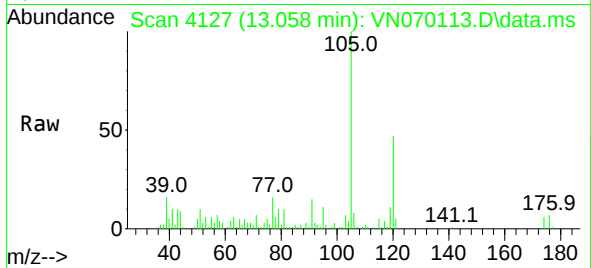




#80
1,3,5-Trimethylbenzene
Concen: 0.550 ug/l
RT: 13.058 min Scan# 4128
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

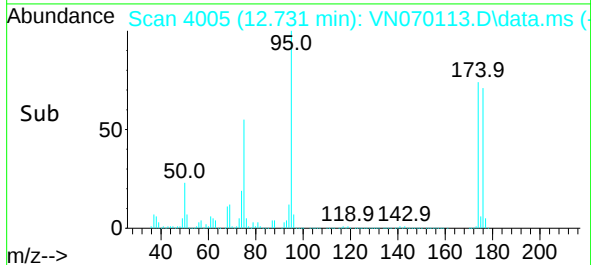
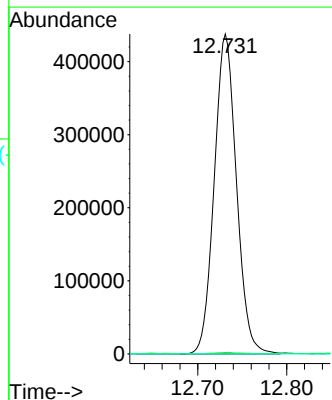
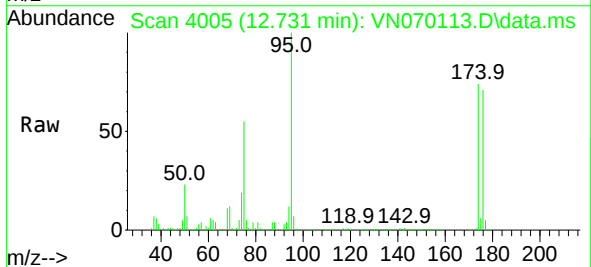
Instrument :
MSVOA_N
ClientSampleId :

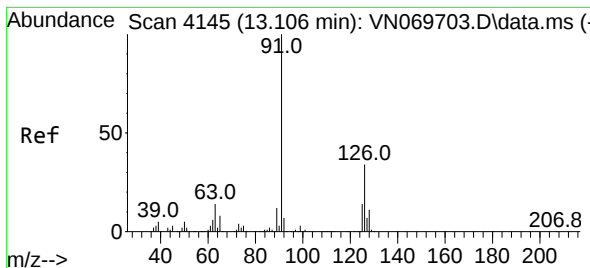
Tgt Ion:105 Resp: 46405
Ion Ratio Lower Upper
105 100
120 46.2 24.6 73.6



#81
trans-1,4-Dichloro-2-butene
Concen: 71.509 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. 0.105 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 75 Resp: 757749
Ion Ratio Lower Upper
75 100
53 0.5 90.5 135.7#
89 0.0 38.2 57.4#





#82

4-Chlorotoluene

Concen: 44.212 ug/l

RT: 12.921 min Scan# 4187

Delta R.T. -0.185 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

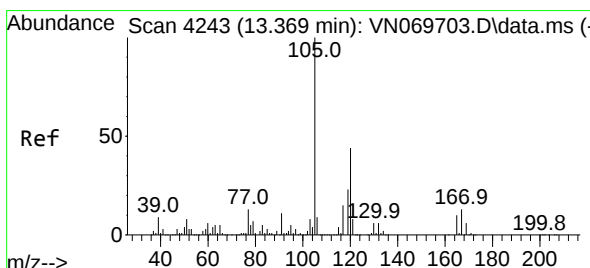
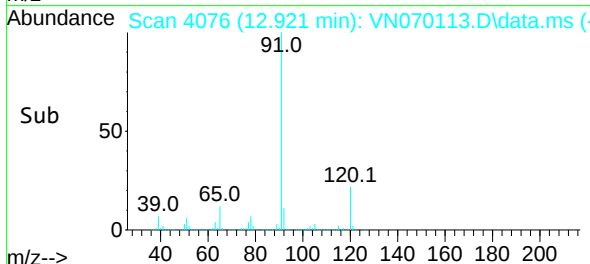
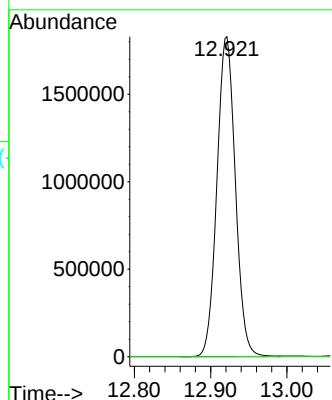
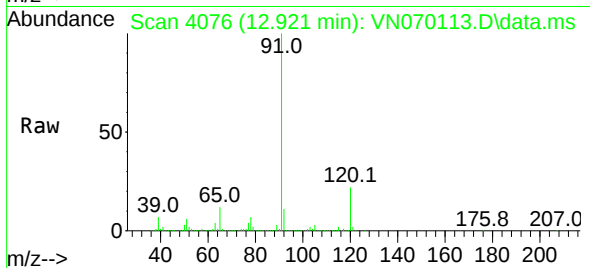
ClientSampleId :

Tgt Ion: 91 Resp: 3064118

Ion Ratio Lower Upper

91 100

126 0.0 18.2 54.6#



#84

1,2,4-Trimethylbenzene

Concen: 5.734 ug/l

RT: 13.222 min Scan# 4188

Delta R.T. -0.147 min

Lab File: VN070113.D

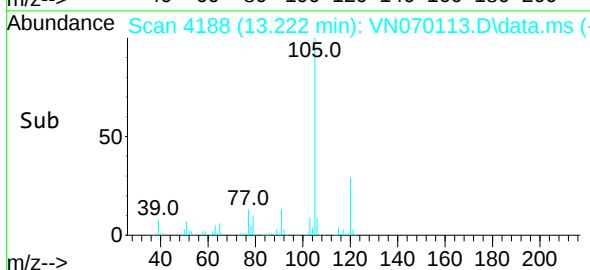
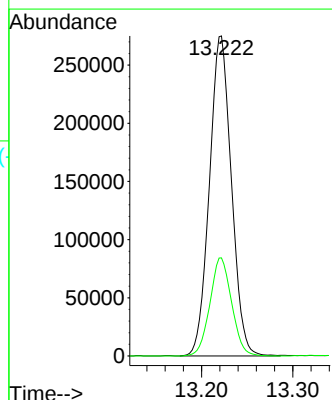
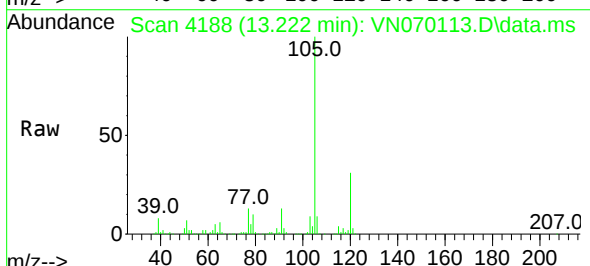
Acq: 15 Dec 2021 15:52

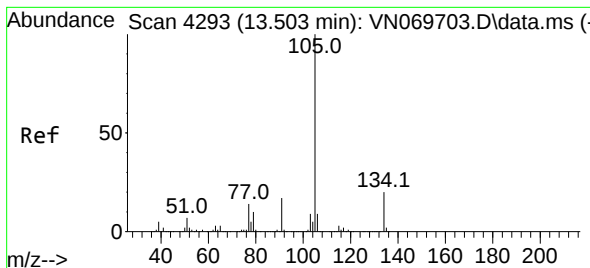
Tgt Ion: 105 Resp: 460645

Ion Ratio Lower Upper

105 100

120 30.3 22.8 68.4





#85

sec-Butylbenzene

Concen: 1.358 ug/l

RT: 13.501 min Scan# 41

Delta R.T. -0.002 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

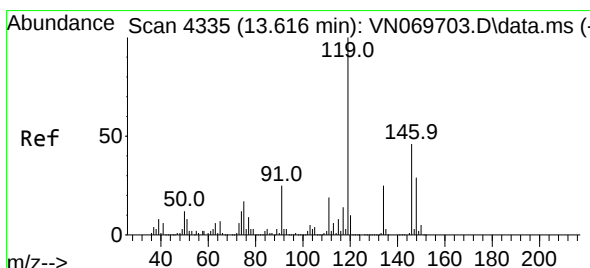
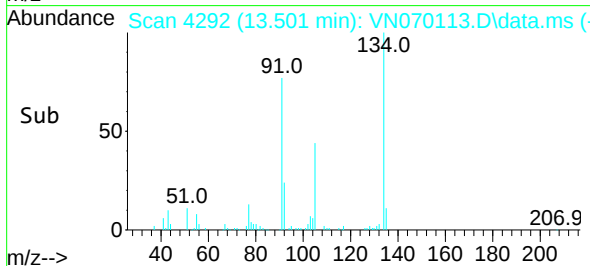
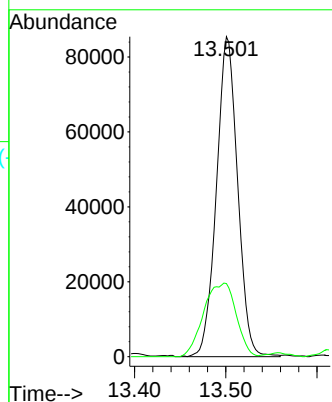
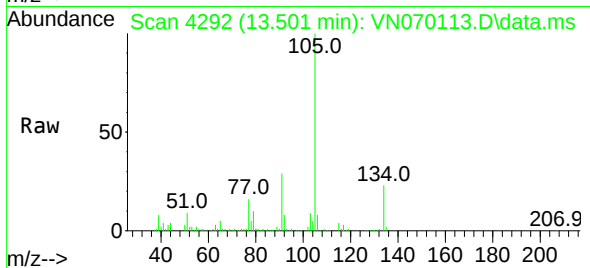
ClientSampleId :

Tgt Ion:105 Resp: 137592

Ion Ratio Lower Upper

105 100

134 35.3 10.4 31.1#



#86

p-Isopropyltoluene

Concen: 0.378 ug/l

RT: 13.772 min Scan# 4393

Delta R.T. 0.156 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

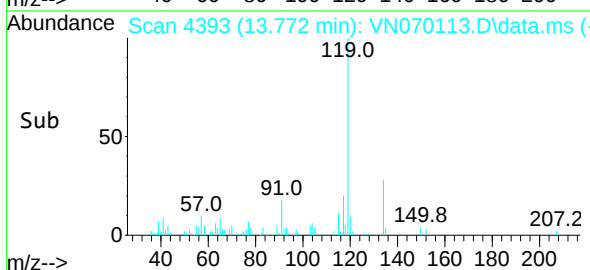
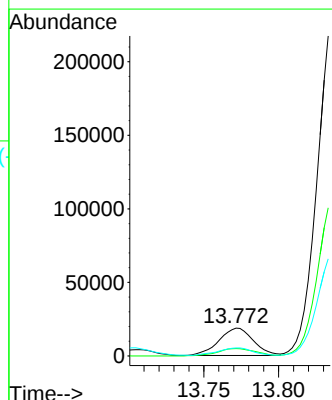
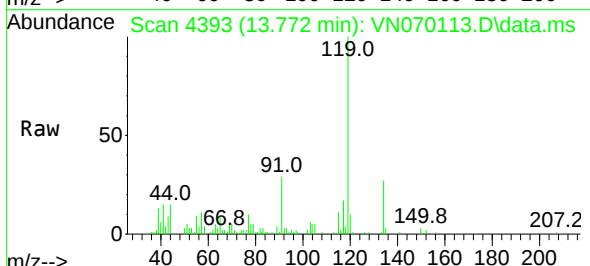
Tgt Ion:119 Resp: 29926

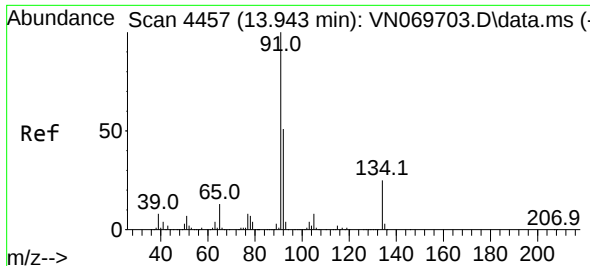
Ion Ratio Lower Upper

119 100

134 29.7 13.6 40.7

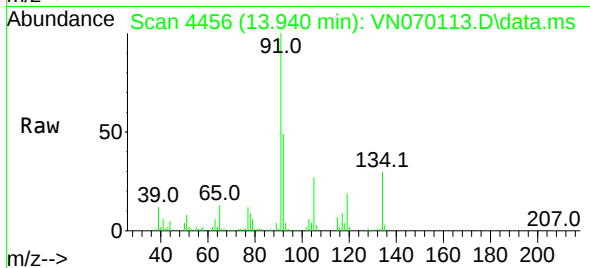
91 0.0 11.4 34.1#



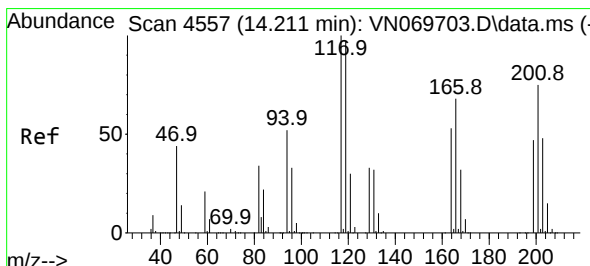
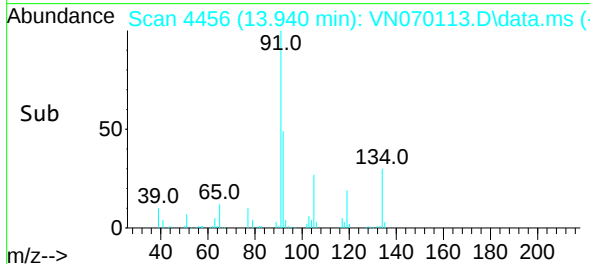
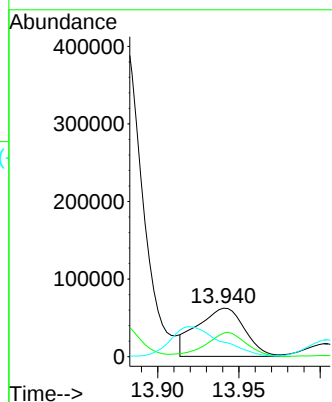


#89
n-Butylbenzene
Concen: 1.960 ug/l
RT: 13.940 min Scan# 4457
Delta R.T. -0.002 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Instrument :
MSVOA_N
ClientSampleId :

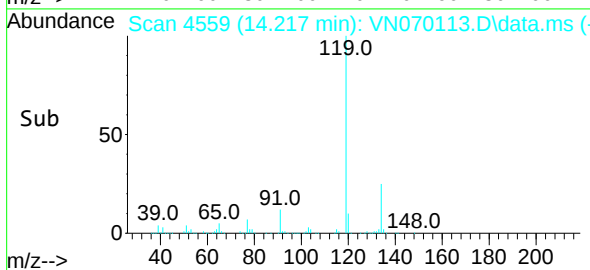
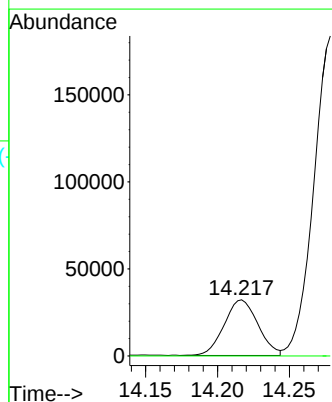
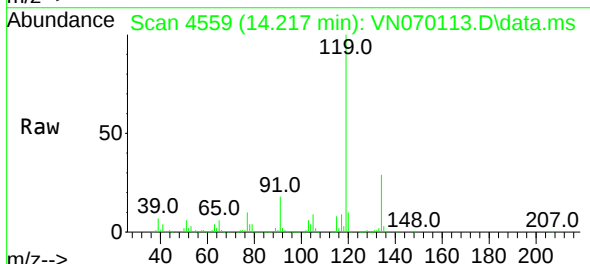


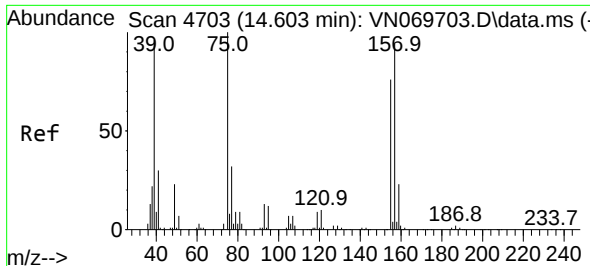
Tgt Ion: 91 Resp: 125945
Ion Ratio Lower Upper
91 100
92 43.0 25.4 76.0
134 0.0 13.6 40.8#



#90
Hexachloroethane
Concen: 3.774 ug/l
RT: 14.217 min Scan# 4559
Delta R.T. 0.006 min
Lab File: VN070113.D
Acq: 15 Dec 2021 15:52

Tgt Ion: 117 Resp: 52477
Ion Ratio Lower Upper
117 100
201 0.0 43.9 131.6#

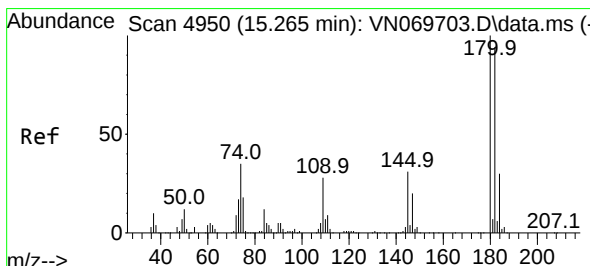
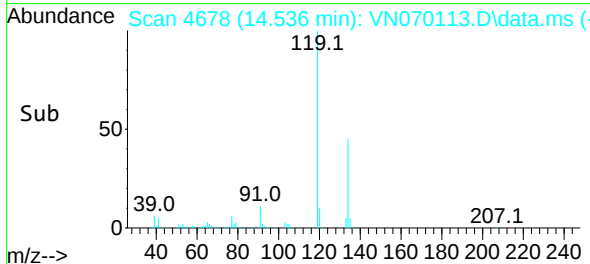
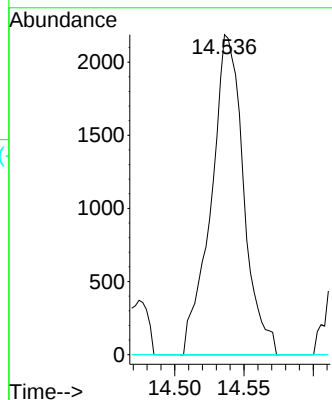
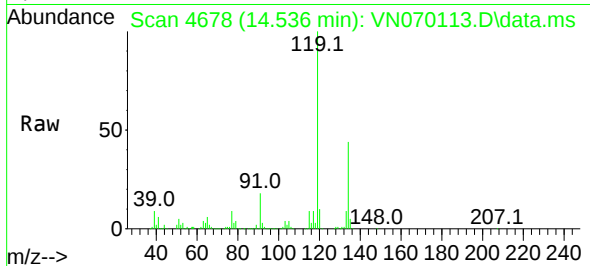




#92
 1,2-Dibromo-3-Chloropropane
 Concen: 0.545 ug/l
 RT: 14.536 min Scan# 41
 Delta R.T. -0.067 min
 Lab File: VN070113.D
 Acq: 15 Dec 2021 15:52

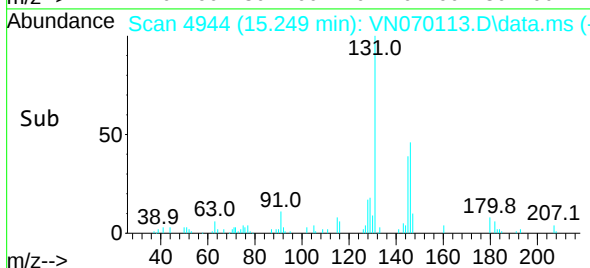
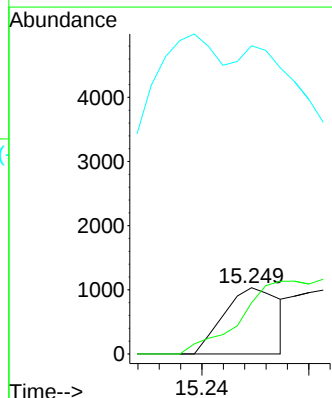
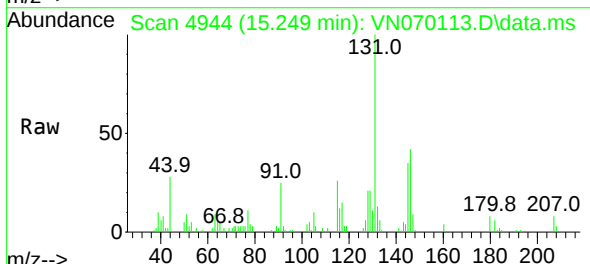
Instrument :
 MSVOA_N
 ClientSampleId :

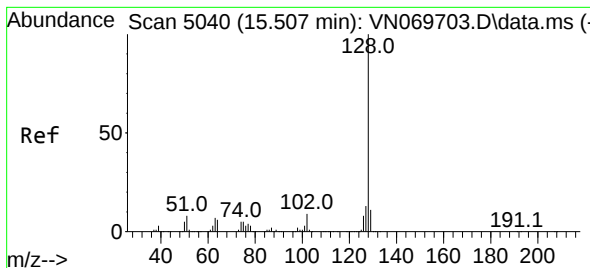
Tgt Ion: 75 Resp: 3570
 Ion Ratio Lower Upper
 75 100
 155 0.0 46.9 140.7#
 157 0.0 60.6 181.7#



#93
 1,2,4-Trichlorobenzene
 Concen: 2.914 ug/l
 RT: 15.249 min Scan# 4944
 Delta R.T. -0.016 min
 Lab File: VN070113.D
 Acq: 15 Dec 2021 15:52

Tgt Ion: 180 Resp: 744
 Ion Ratio Lower Upper
 180 100
 182 0.0 48.3 144.9#
 145 551.6 14.5 43.5#





#95

Naphthalene

Concen: 12.264 ug/l

RT: 15.504 min Scan# 5040

Delta R.T. -0.003 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Instrument :

MSVOA_N

ClientSampleId :

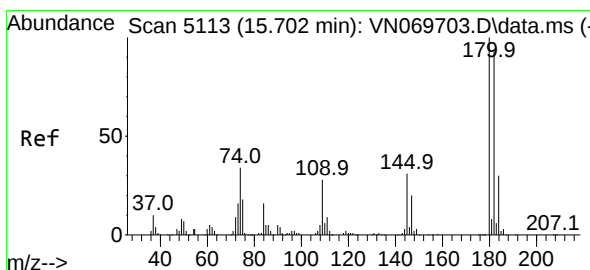
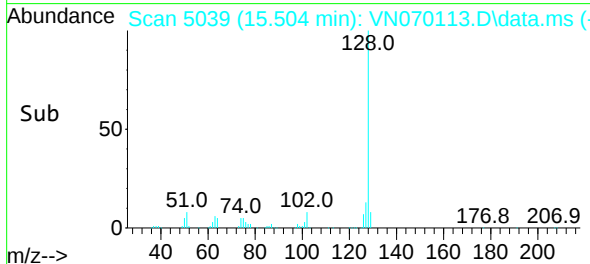
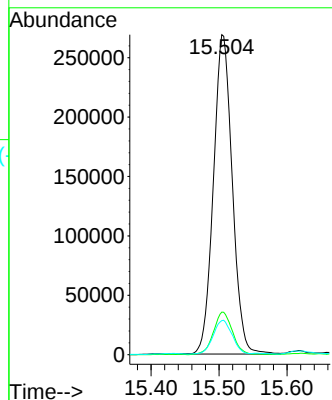
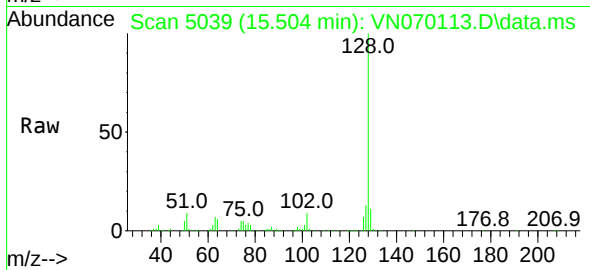
Tgt Ion:128 Resp: 517887

Ion Ratio Lower Upper

128 100

127 13.4 10.5 15.7

129 10.5 8.7 13.1



#96

1,2,3-Trichlorobenzene

Concen: 2.506 ug/l

RT: 15.694 min Scan# 5110

Delta R.T. -0.008 min

Lab File: VN070113.D

Acq: 15 Dec 2021 15:52

Tgt Ion:180 Resp: 1389

Ion Ratio Lower Upper

180 100

182 105.5 47.4 142.2

145 0.0 15.0 45.1#

