

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN020222\
 Data File : VN070914.D
 Acq On : 3 Feb 2022 1:23
 Operator : JC/MD
 Sample : N1342-05DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 30 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 31525DL

Quant Time: Feb 03 06:01:11 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N020222W.M
 Quant Title : SW846 8260
 QLast Update : Wed Feb 02 15:30:39 2022
 Response via : Initial Calibration

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

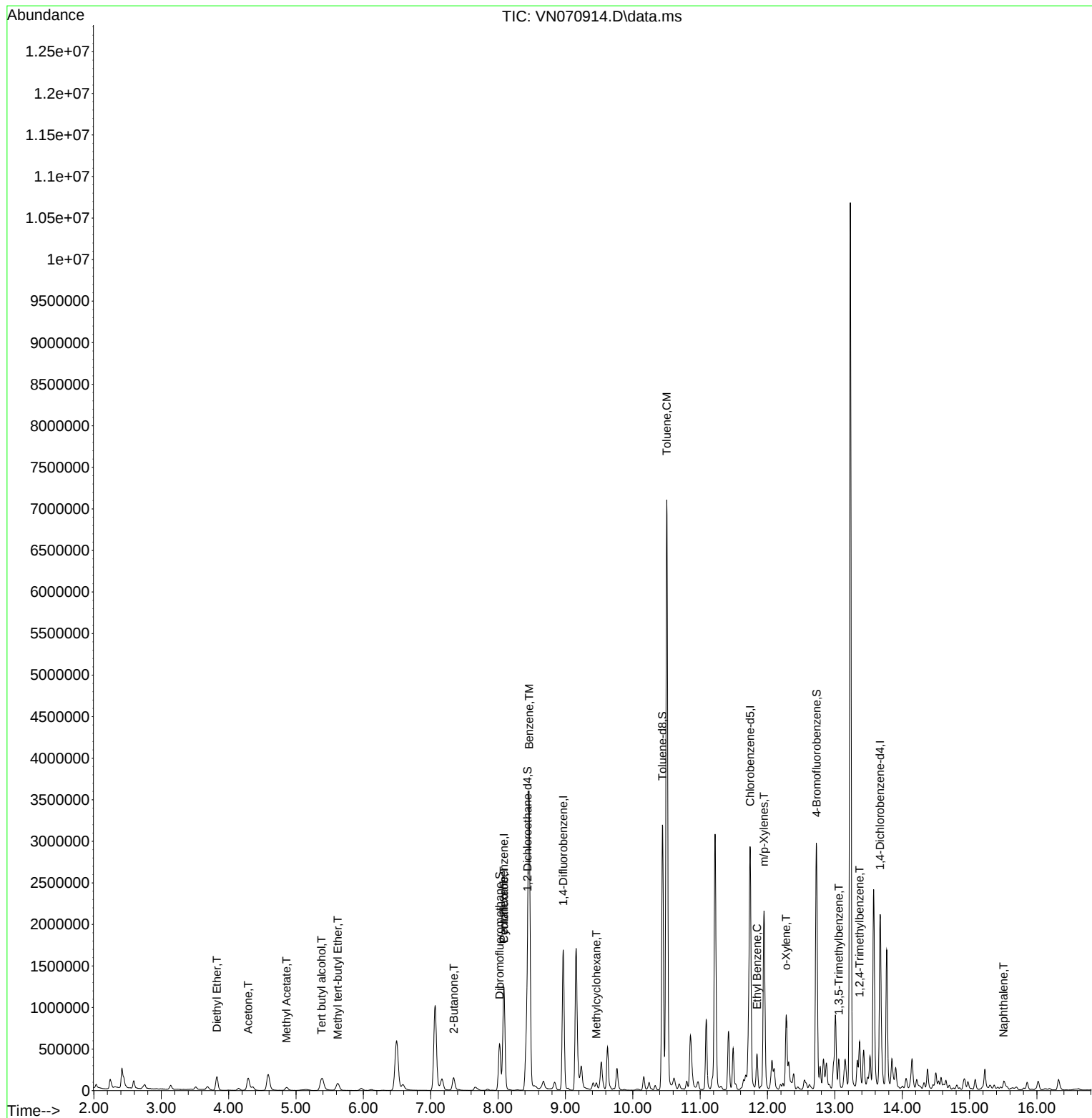
Internal Standards						
1) Pentafluorobenzene	8.086	168	902819	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1439135	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.744	117	1472539	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.672	152	572564	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.437	65	592836	48.511	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	97.020%		
35) Dibromofluoromethane	8.021	113	414457	48.074	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	96.140%		
50) Toluene-d8	10.440	98	2050442	57.926	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	115.860%		
62) 4-Bromofluorobenzene	12.731	95	725815	56.906	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	113.820%		
Target Compounds						Qvalue
8) Diethyl Ether	3.827	74	91078	13.304	ug/l	87
11) Tert butyl alcohol	5.379	59	225884	87.965	ug/l	100
16) Acetone	4.291	43	273191	37.386	ug/l	99
18) Methyl Acetate	4.859	43	77619	4.229	ug/l	91
19) Methyl tert-butyl Ether	5.618	73	121854	3.508	ug/l #	78
25) 2-Butanone	7.343	43	269573	25.557	ug/l	91
31) Cyclohexane	8.088	56	55270	2.662	ug/l #	70
39) Methylcyclohexane	9.459	83	34953	2.030	ug/l	94
40) Benzene	8.461	78	3450390	78.415	ug/l	100
52) Toluene	10.505	92	3131007	114.842	ug/l	97
67) Ethyl Benzene	11.843	91	305728	5.442	ug/l	96
68) m/p-Xylenes	11.948	106	668090	32.094	ug/l	92
69) o-Xylene	12.277	106	233938	11.229	ug/l	92
80) 1,3,5-Trimethylbenzene	13.058	105	189310	4.675	ug/l	97
84) 1,2,4-Trimethylbenzene	13.366	105	328821	8.303	ug/l	95
95) Naphthalene	15.504	128	42403	4.857	ug/l	98

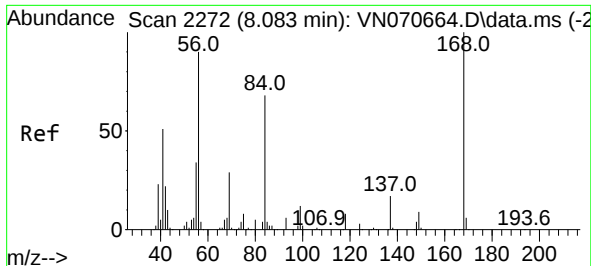
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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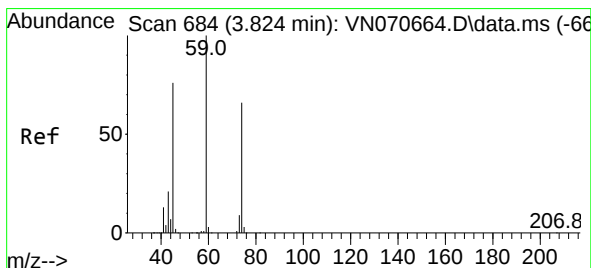
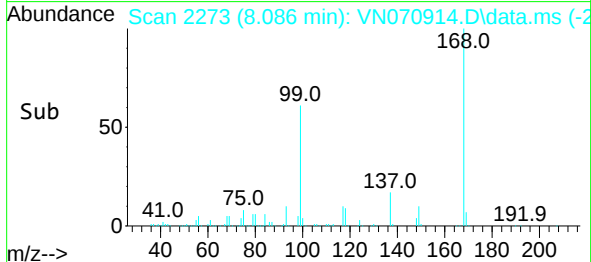
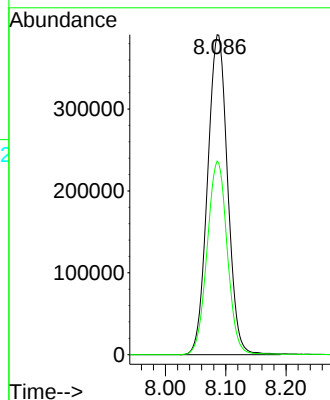
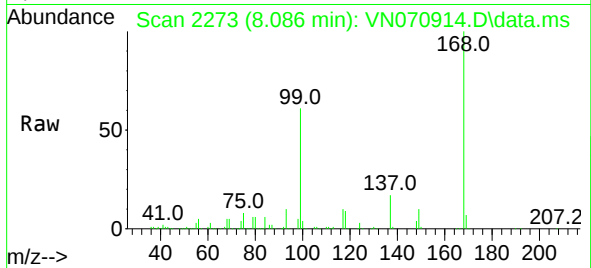




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

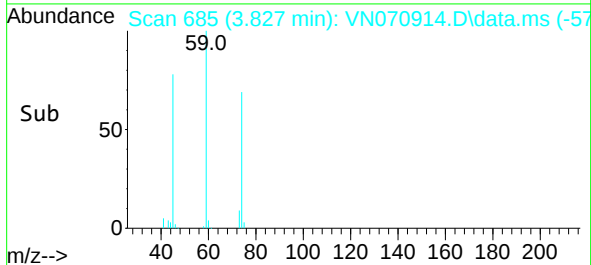
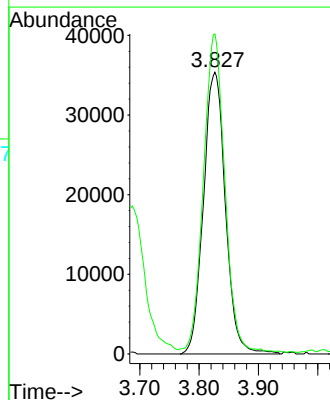
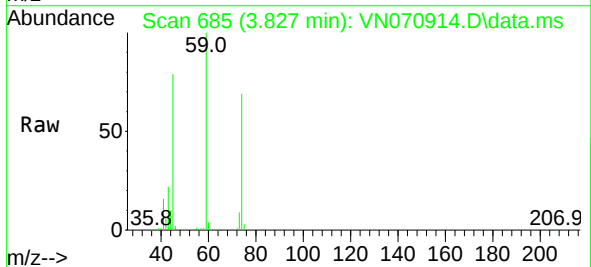
Instrument :
MSVOA_N
ClientSampleId :
31525DL

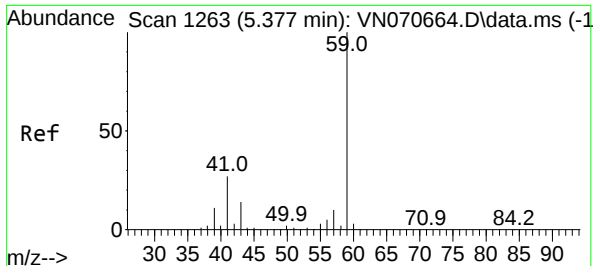
Tgt Ion:168 Resp: 902819
Ion Ratio Lower Upper
168 100
99 60.5 41.3 61.9



#8
Diethyl Ether
Concen: 13.304 ug/l
RT: 3.827 min Scan# 685
Delta R.T. 0.006 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 74 Resp: 91078
Ion Ratio Lower Upper
74 100
45 106.7 47.0 141.2

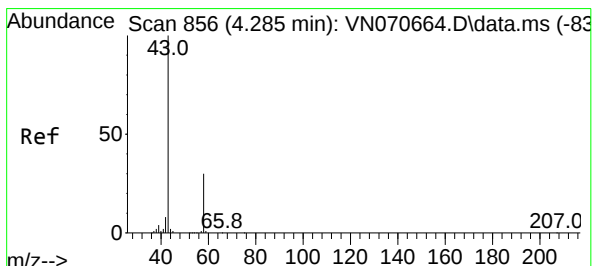
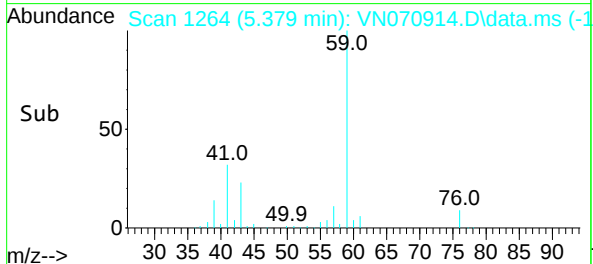
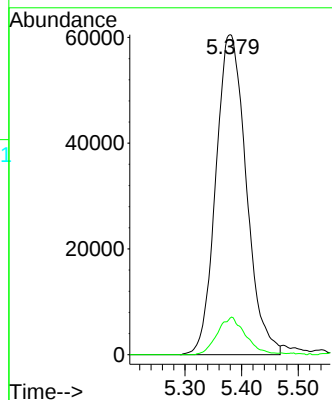
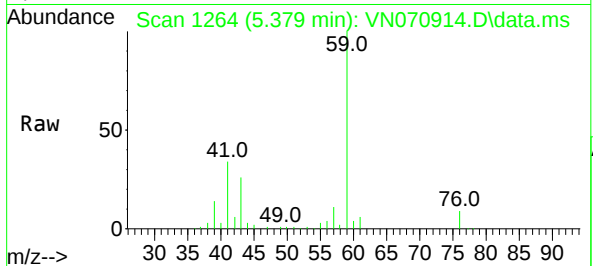




#11
Tert butyl alcohol
Concen: 87.965 ug/l
RT: 5.379 min Scan# 11
Delta R.T. -0.003 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

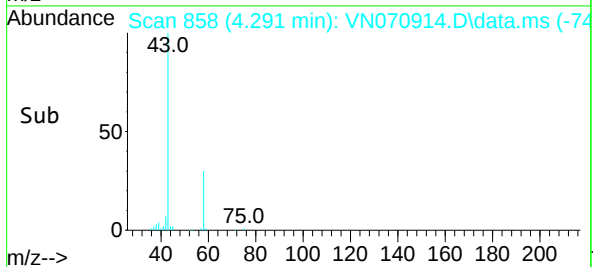
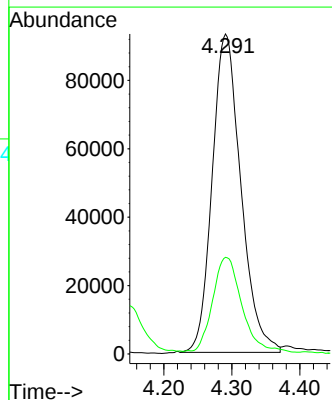
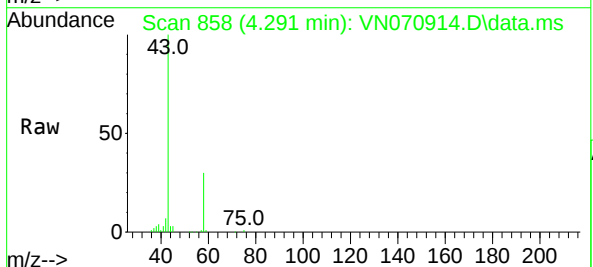
Instrument :
MSVOA_N
ClientSampleId :
31525DL

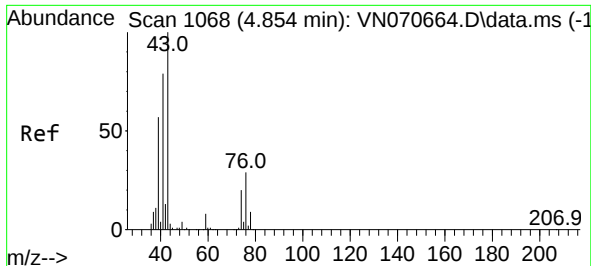
Tgt Ion: 59 Resp: 225884
Ion Ratio Lower Upper
59 100
57 11.0 8.7 13.1



#16
Acetone
Concen: 37.386 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 43 Resp: 273191
Ion Ratio Lower Upper
43 100
58 29.4 23.1 34.7





#18

Methyl Acetate

Concen: 4.229 ug/l

RT: 4.859 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Instrument :

MSVOA_N

ClientSampleId :

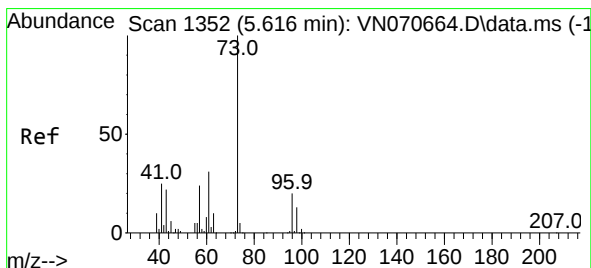
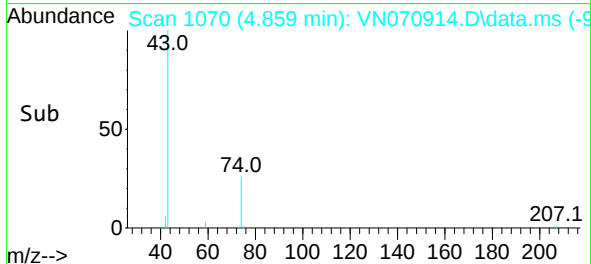
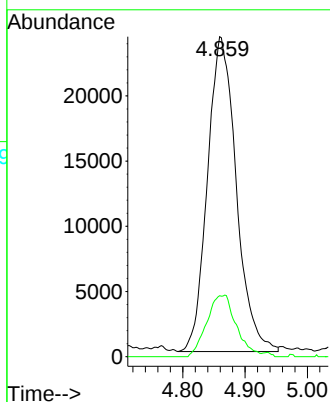
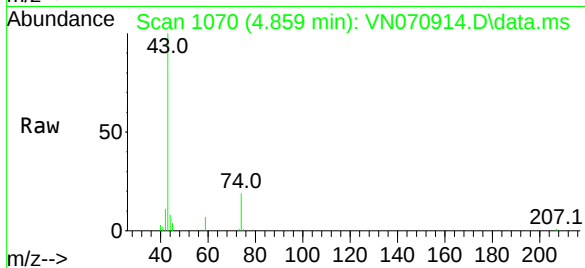
31525DL

Tgt Ion: 43 Resp: 77619

Ion Ratio Lower Upper

43 100

74 19.9 19.4 29.2



#19

Methyl tert-butyl Ether

Concen: 3.508 ug/l

RT: 5.618 min Scan# 1353

Delta R.T. 0.002 min

Lab File: VN070914.D

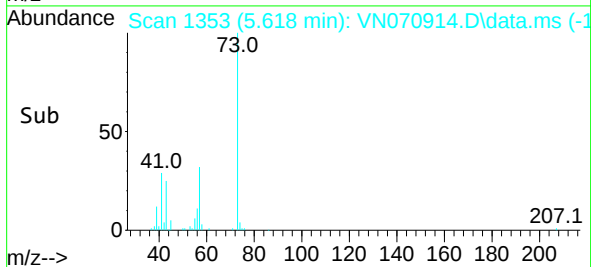
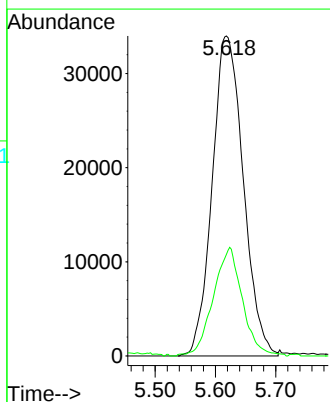
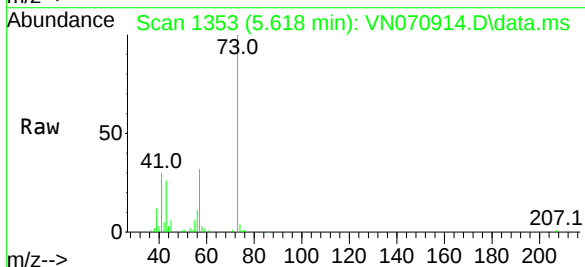
Acq: 3 Feb 2022 1:23

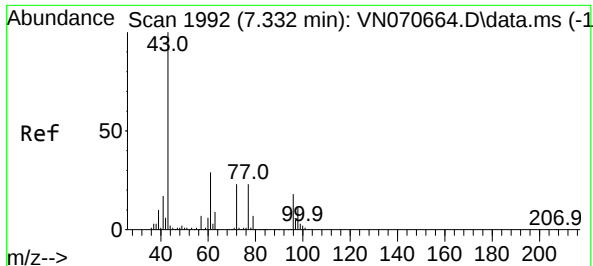
Tgt Ion: 73 Resp: 121854

Ion Ratio Lower Upper

73 100

57 31.2 16.8 25.2#

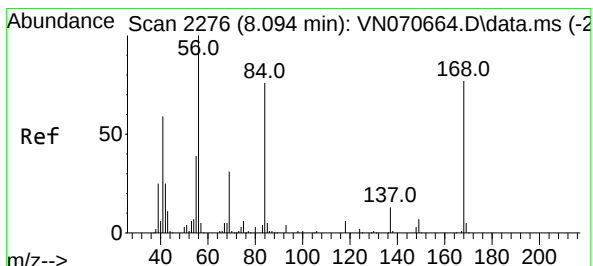
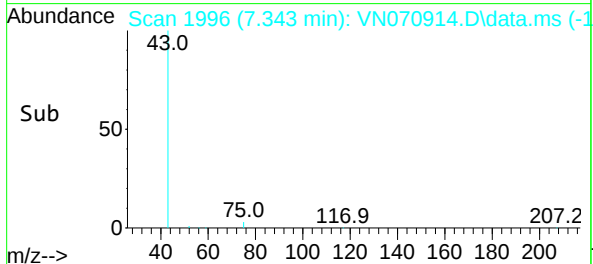
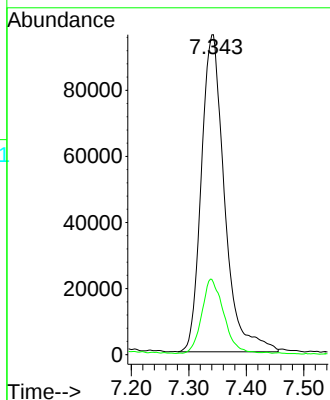
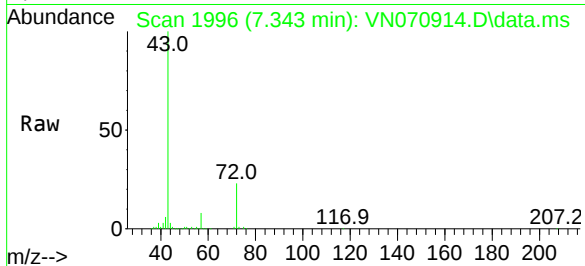




#25
2-Butanone
Concen: 25.557 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.008 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

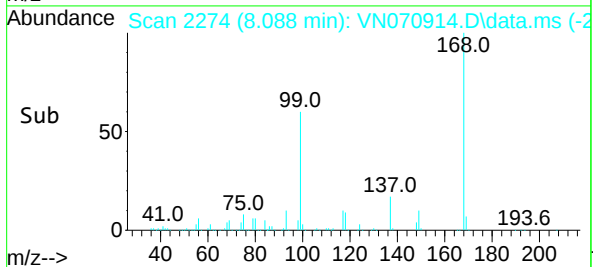
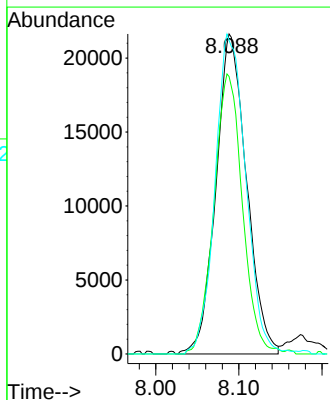
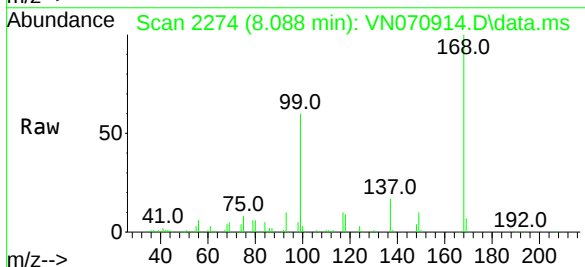
Instrument :
MSVOA_N
ClientSampleId :
31525DL

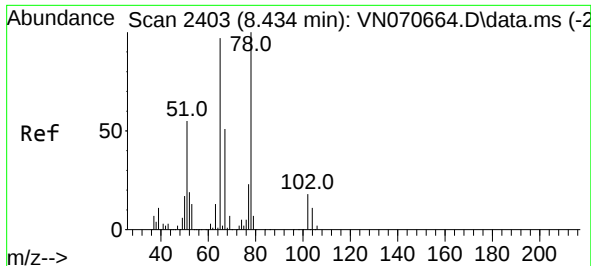
Tgt Ion: 43 Resp: 269573
Ion Ratio Lower Upper
43 100
72 22.3 21.7 32.5



#31
Cyclohexane
Concen: 2.662 ug/l
RT: 8.088 min Scan# 2274
Delta R.T. -0.006 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 56 Resp: 55270
Ion Ratio Lower Upper
56 100
69 86.7 27.1 40.7#
84 98.0 73.4 110.0





#33

1,2-Dichloroethane-d4

Concen: 48.511 ug/l

RT: 8.437 min Scan# 24

Delta R.T. -0.000 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Instrument :

MSVOA_N

ClientSampleId :

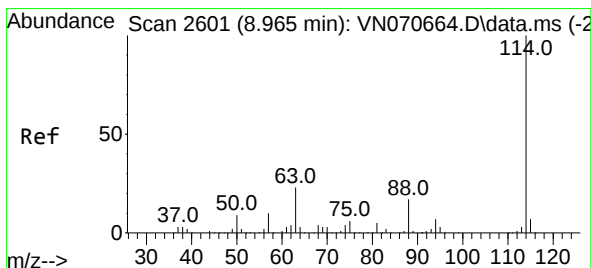
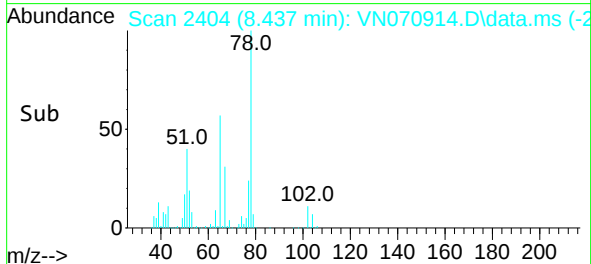
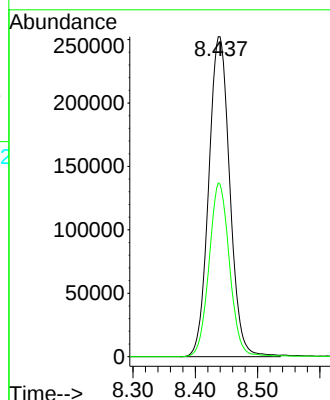
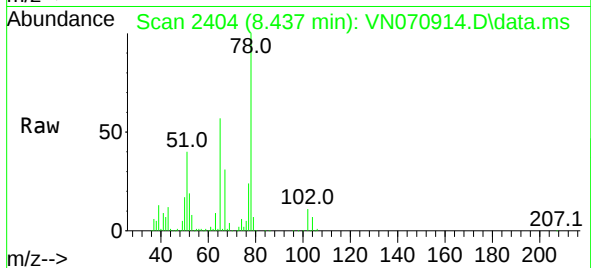
31525DL

Tgt Ion: 65 Resp: 592836

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.968 min Scan# 2602

Delta R.T. 0.002 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

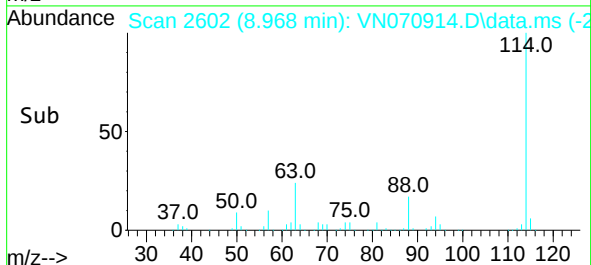
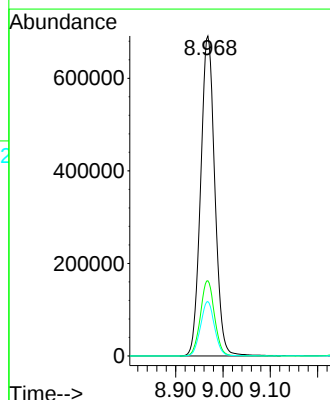
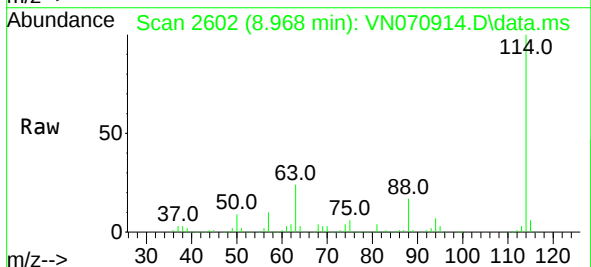
Tgt Ion: 114 Resp: 1439135

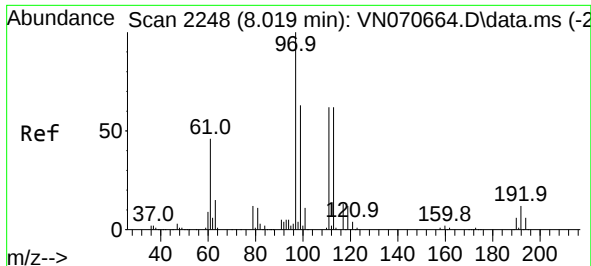
Ion Ratio Lower Upper

114 100

63 23.5 0.0 37.8

88 17.0 0.0 27.4

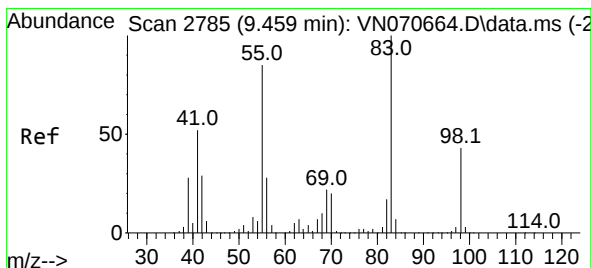
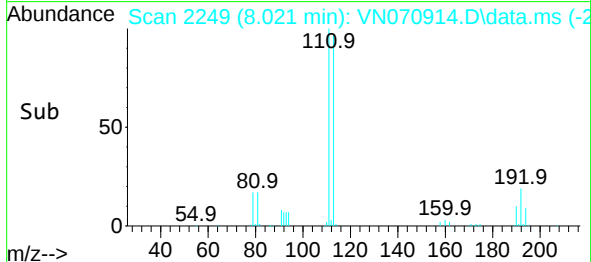
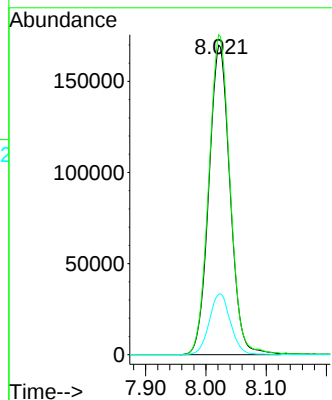
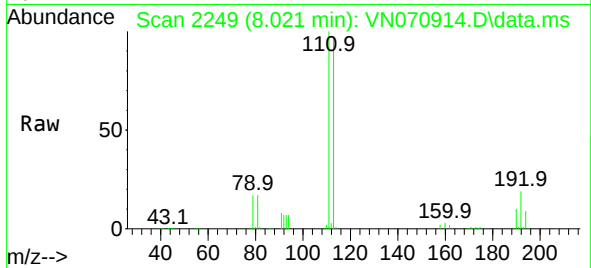




#35
Dibromofluoromethane
Concen: 48.074 ug/l
RT: 8.021 min Scan# 211
Delta R.T. 0.000 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

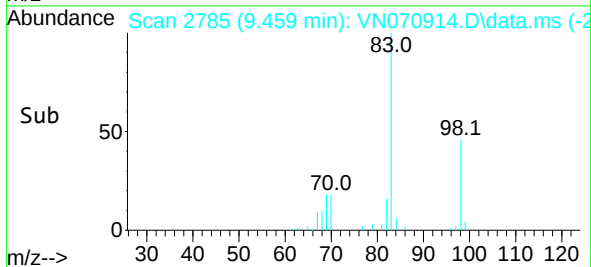
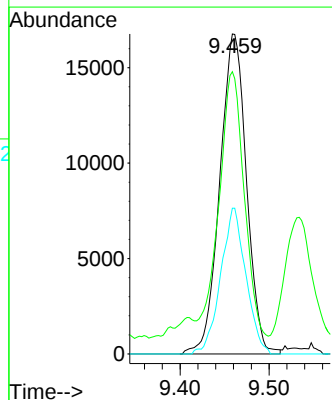
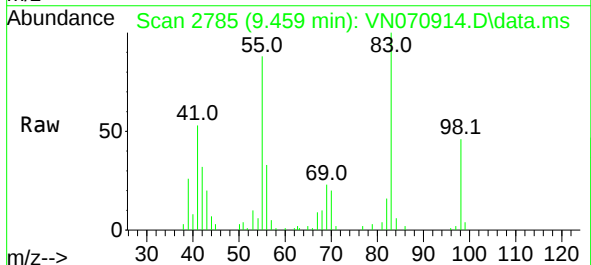
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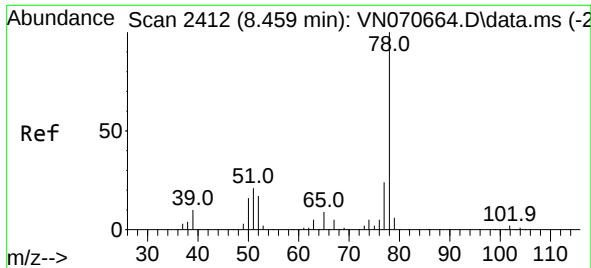
Tgt Ion:113 Resp: 414457
Ion Ratio Lower Upper
113 100
111 103.9 82.2 123.2
192 19.8 16.9 25.3



#39
Methylcyclohexane
Concen: 2.030 ug/l
RT: 9.459 min Scan# 2785
Delta R.T. -0.000 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 83 Resp: 34953
Ion Ratio Lower Upper
83 100
55 79.0 58.1 87.1
98 45.5 38.4 57.6

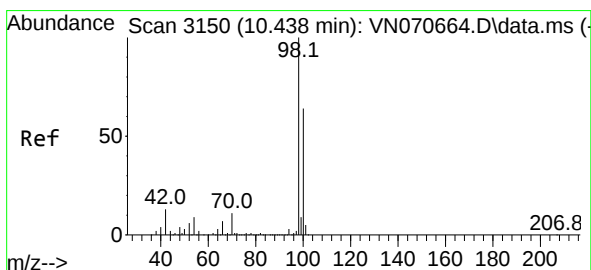
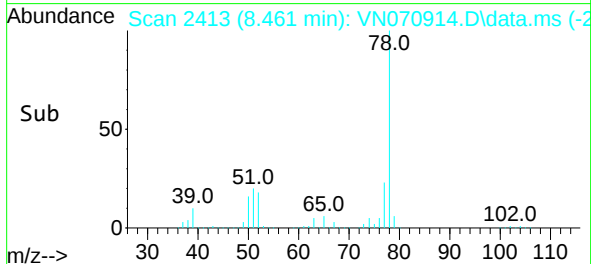
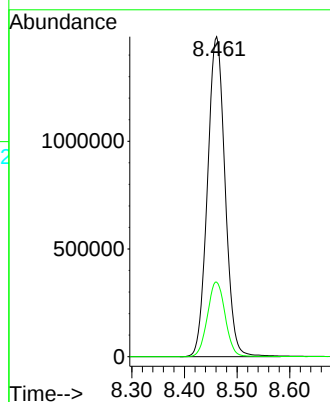
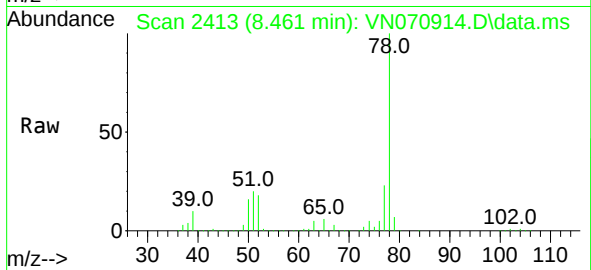




#40
Benzene
Concen: 78.415 ug/l
RT: 8.461 min Scan# 2412
Delta R.T. 0.002 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

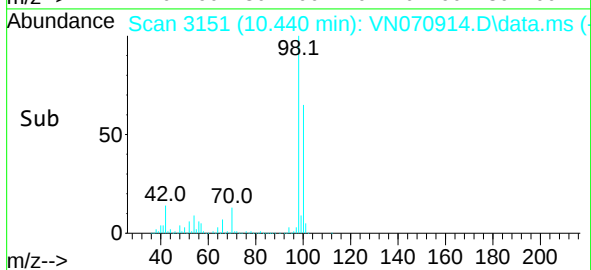
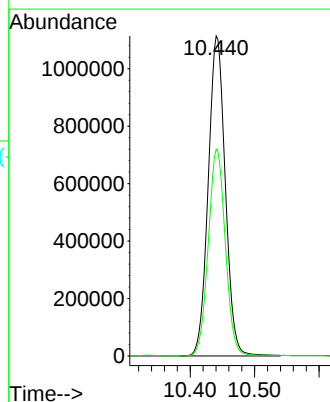
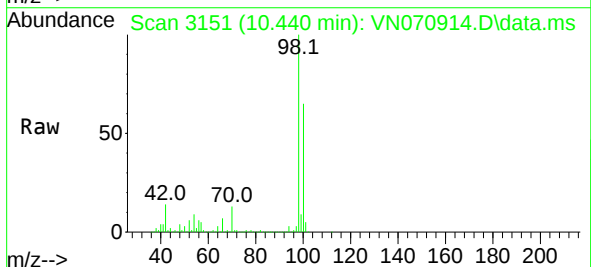
Instrument :
MSVOA_N
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31525DL

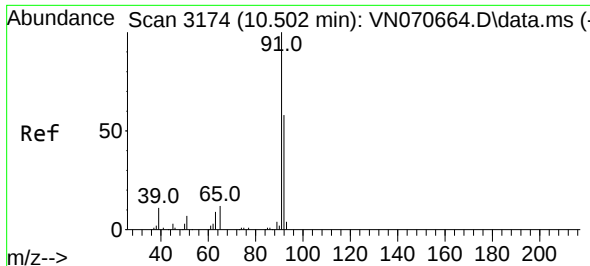
Tgt Ion: 78 Resp: 3450390
Ion Ratio Lower Upper
78 100
77 23.3 18.6 27.8



#50
Toluene-d8
Concen: 57.926 ug/l
RT: 10.440 min Scan# 3151
Delta R.T. -0.001 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 98 Resp: 2050442
Ion Ratio Lower Upper
98 100
100 64.8 50.4 75.6

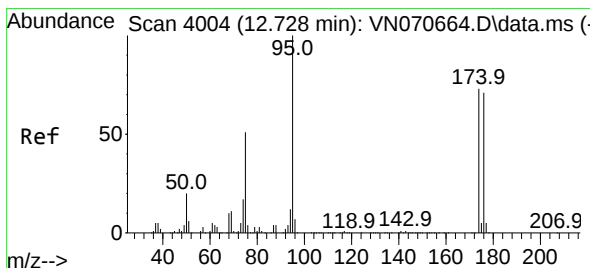
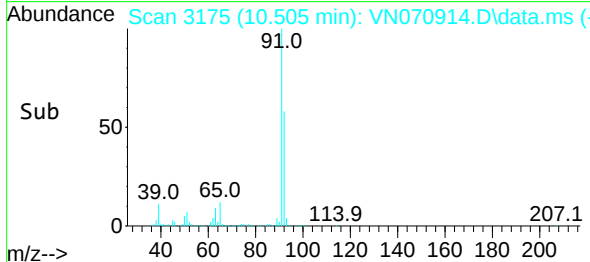
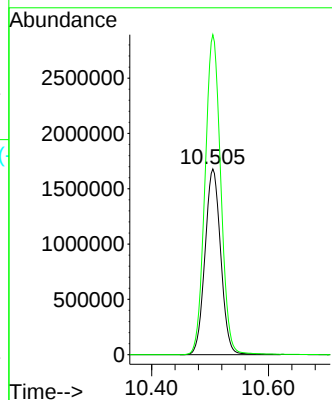
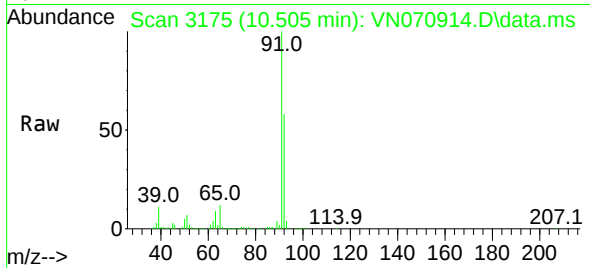




#52
Toluene
Concen: 114.842 ug/l
RT: 10.505 min Scan# 3175
Delta R.T. -0.000 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

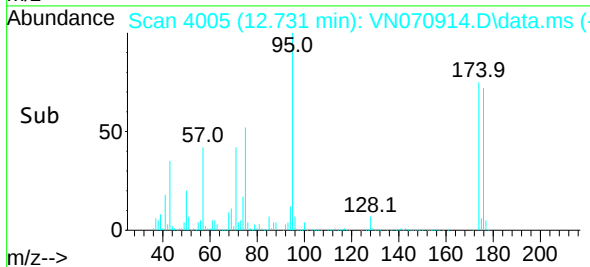
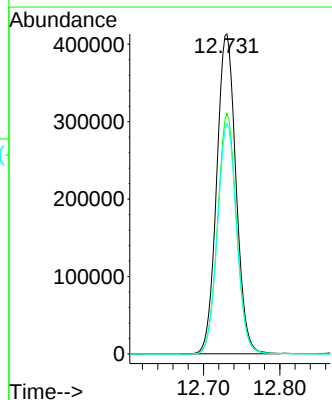
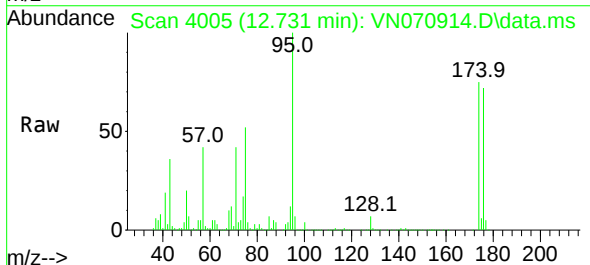
Instrument :
MSVOA_N
ClientSampleId :
31525DL

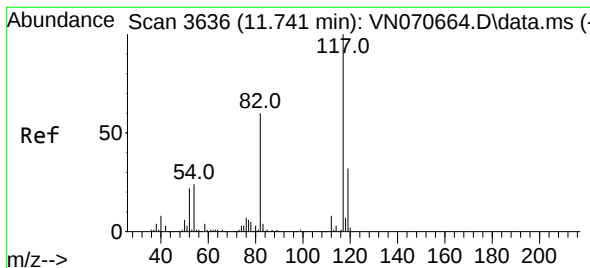
Tgt Ion: 92 Resp: 3131007
Ion Ratio Lower Upper
92 100
91 172.9 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 56.906 ug/l
RT: 12.731 min Scan# 4005
Delta R.T. -0.000 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion: 95 Resp: 725815
Ion Ratio Lower Upper
95 100
174 74.1 0.0 187.2
176 71.6 0.0 181.4





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.744 min Scan# 3636

Delta R.T. -0.000 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Instrument :

MSVOA_N

ClientSampleId :

31525DL

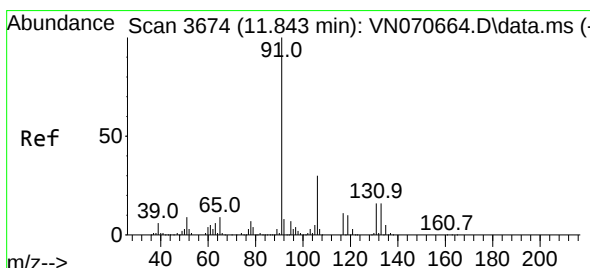
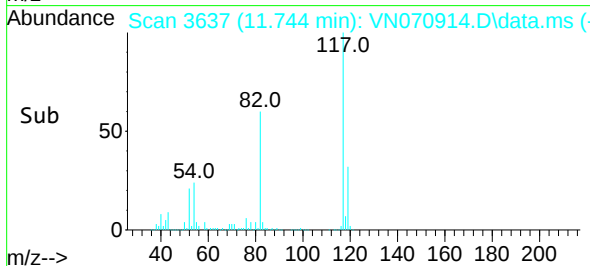
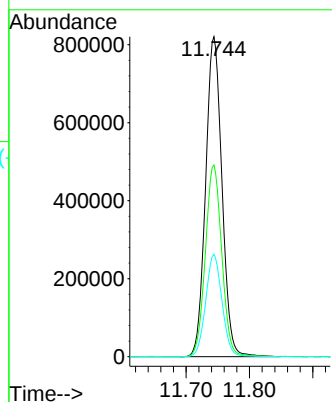
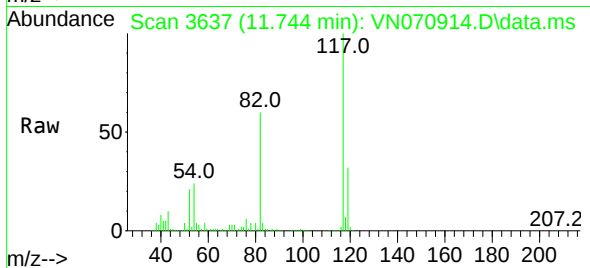
Tgt Ion:117 Resp: 1472539

Ion Ratio Lower Upper

117 100

82 59.9 42.4 63.6

119 32.0 25.4 38.2



#67

Ethyl Benzene

Concen: 5.442 ug/l

RT: 11.843 min Scan# 3674

Delta R.T. 0.000 min

Lab File: VN070914.D

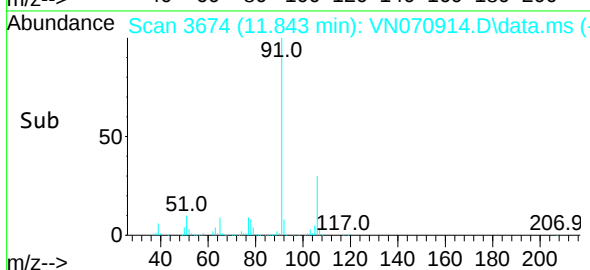
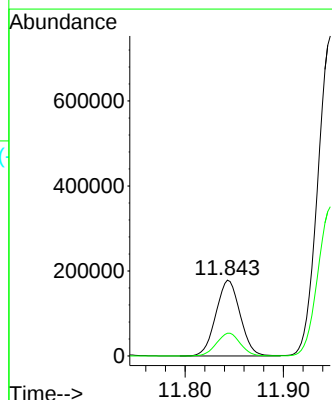
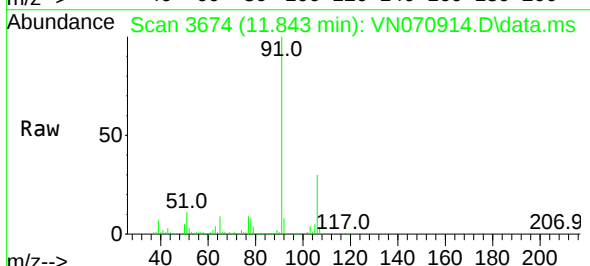
Acq: 3 Feb 2022 1:23

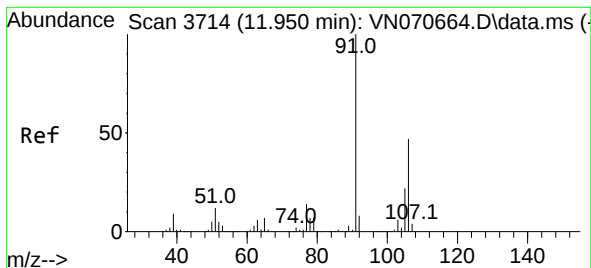
Tgt Ion: 91 Resp: 305728

Ion Ratio Lower Upper

91 100

106 30.0 25.7 38.5

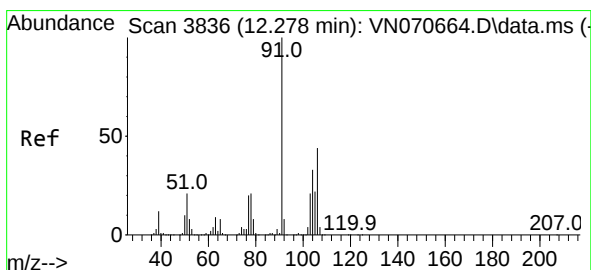
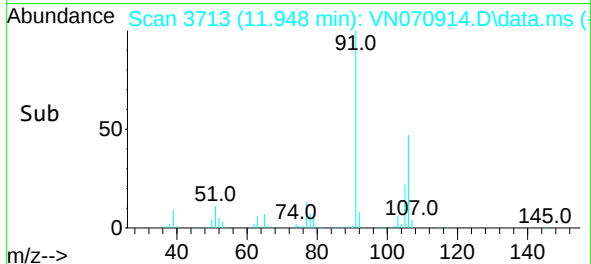
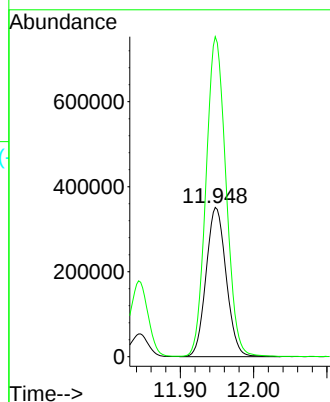
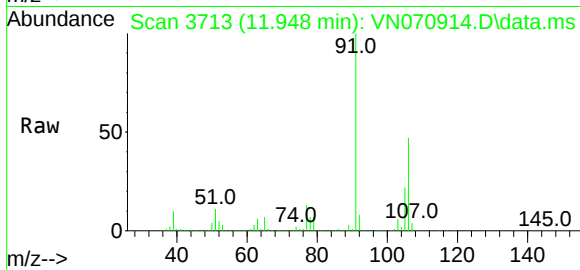




#68
m/p-Xylenes
Concen: 32.094 ug/l
RT: 11.948 min Scan# 31
Delta R.T. -0.005 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

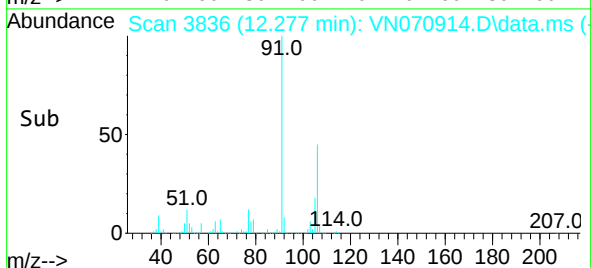
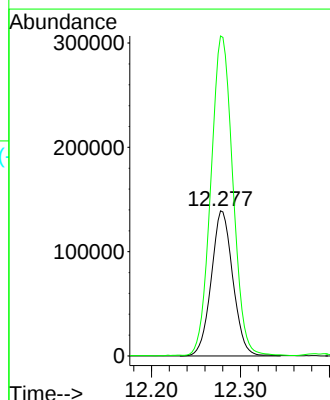
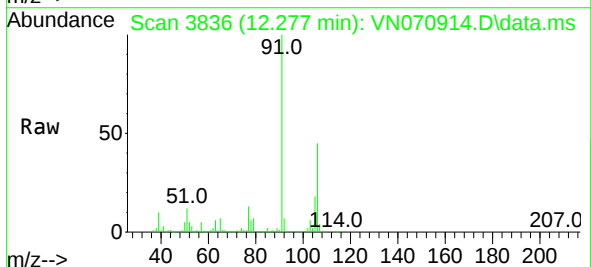
Instrument :
MSVOA_N
ClientSampleId :
31525DL

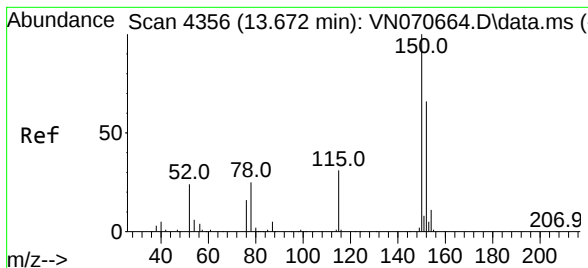
Tgt Ion:106 Resp: 668090
Ion Ratio Lower Upper
106 100
91 213.2 160.6 240.8



#69
o-Xylene
Concen: 11.229 ug/l
RT: 12.277 min Scan# 3836
Delta R.T. -0.003 min
Lab File: VN070914.D
Acq: 3 Feb 2022 1:23

Tgt Ion:106 Resp: 233938
Ion Ratio Lower Upper
106 100
91 224.4 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.672 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Instrument :

MSVOA_N

ClientSampleId :

31525DL

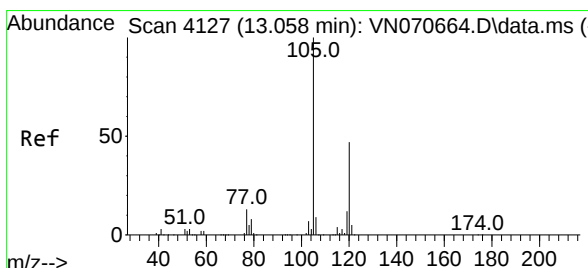
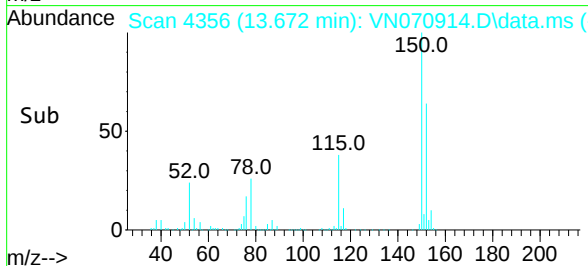
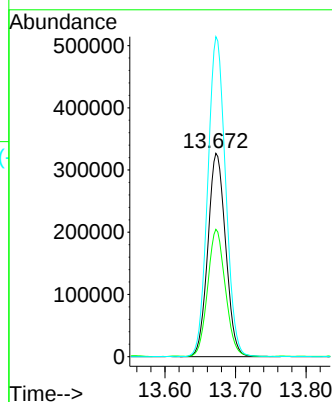
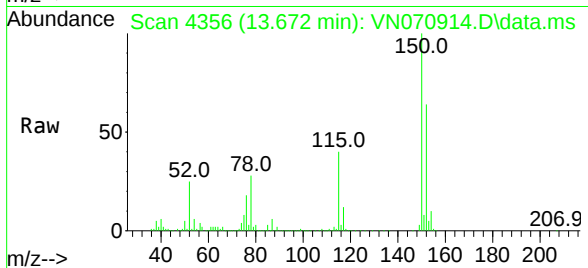
Tgt Ion:152 Resp: 572564

Ion Ratio Lower Upper

152 100

115 62.3 27.5 82.5

150 157.7 0.0 344.4



#80

1,3,5-Trimethylbenzene

Concen: 4.675 ug/l

RT: 13.058 min Scan# 4127

Delta R.T. -0.000 min

Lab File: VN070914.D

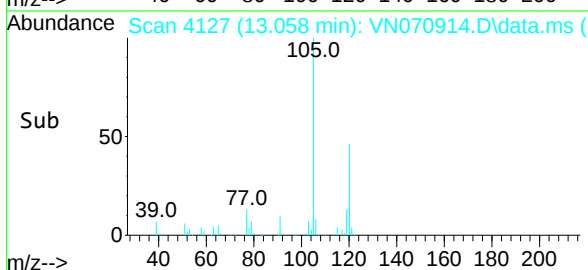
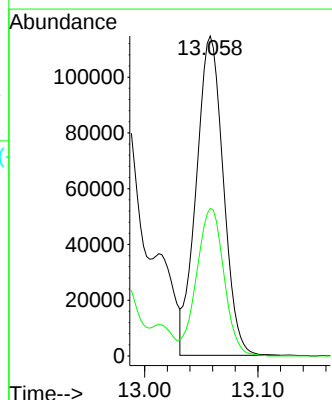
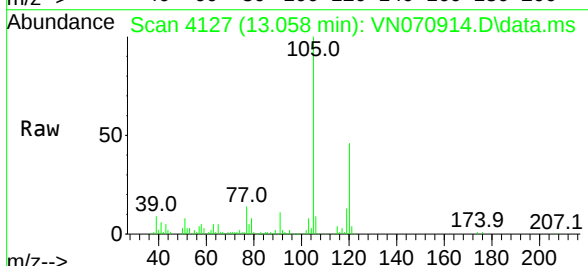
Acq: 3 Feb 2022 1:23

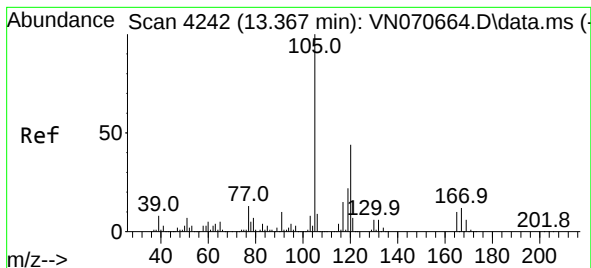
Tgt Ion:105 Resp: 189310

Ion Ratio Lower Upper

105 100

120 47.3 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 8.303 ug/l

RT: 13.366 min Scan# 41

Delta R.T. -0.001 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Instrument :

MSVOA_N

ClientSampleId :

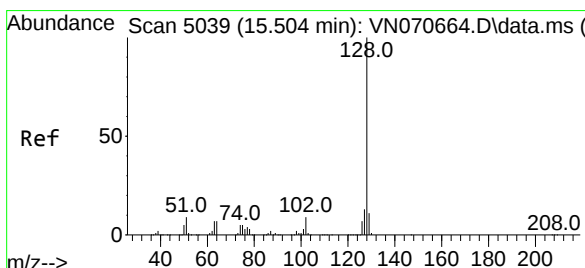
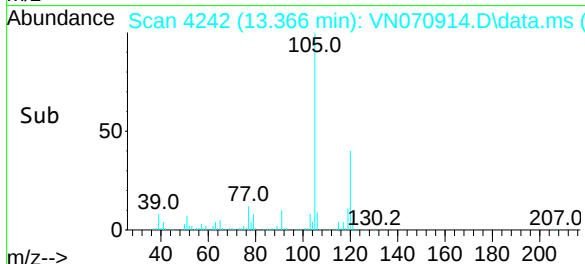
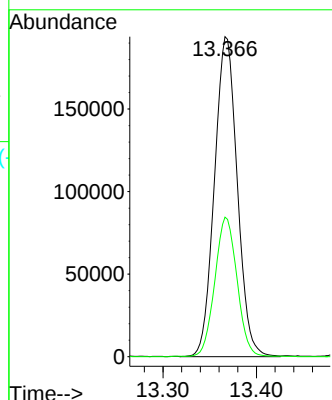
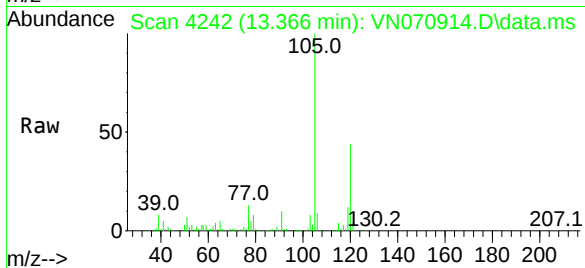
31525DL

Tgt Ion:105 Resp: 328821

Ion Ratio Lower Upper

105 100

120 42.1 22.8 68.4



#95

Naphthalene

Concen: 4.857 ug/l

RT: 15.504 min Scan# 5039

Delta R.T. -0.000 min

Lab File: VN070914.D

Acq: 3 Feb 2022 1:23

Tgt Ion:128 Resp: 42403

Ion Ratio Lower Upper

128 100

127 14.2 10.5 15.7

129 11.4 8.7 13.1

