

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070164.D
 Acq On : 17 Dec 2021 15:19
 Operator : JC/MD
 Sample : M5131-01DL 20X
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 211215028-VOA-02DL

Quant Time: Dec 18 05:45:37 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)

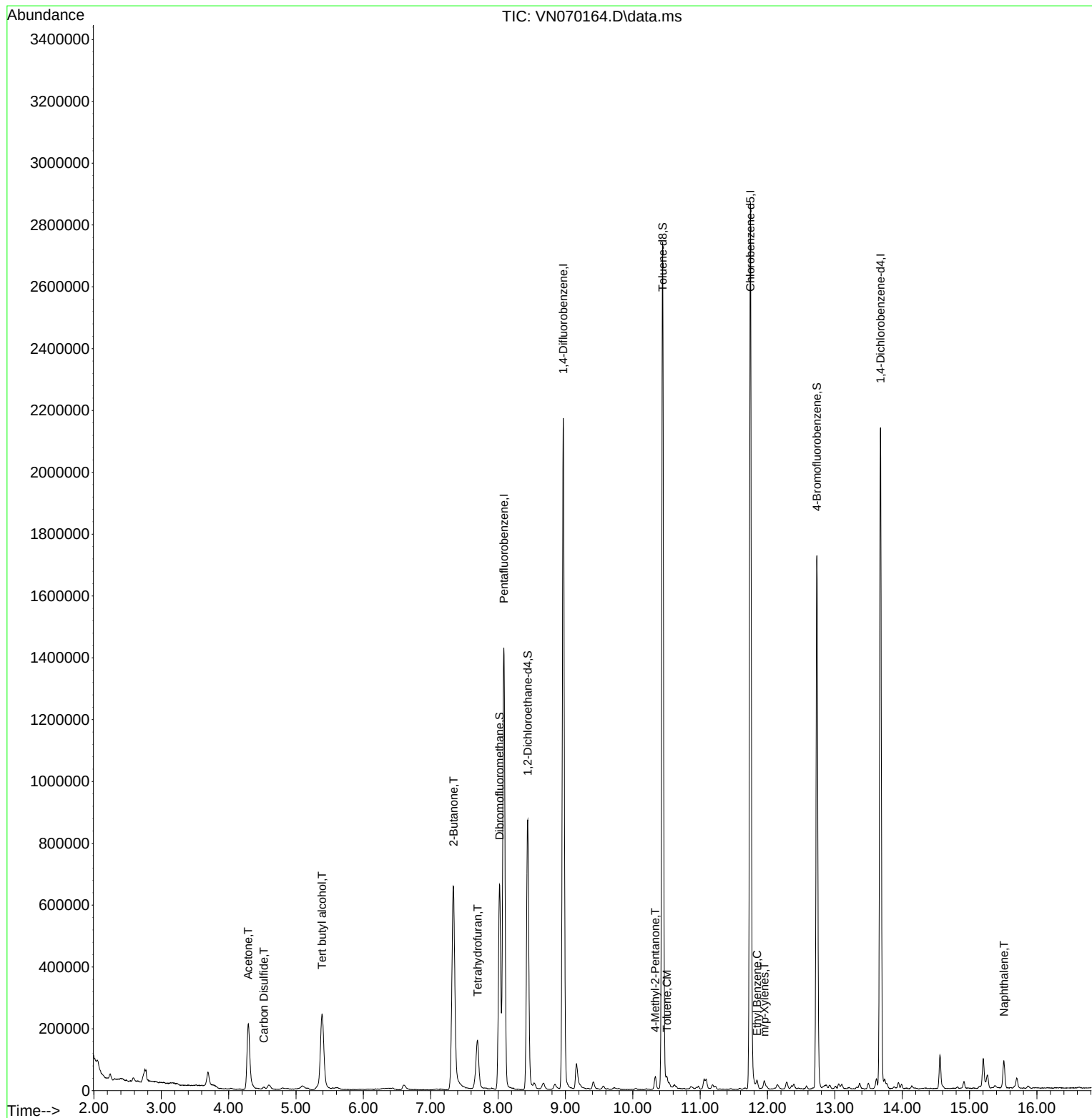
Internal Standards						
1) Pentafluorobenzene	8.086	168	1086815	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1821627	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1616350	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	567258	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	739899	44.093	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery =	88.180%		
35) Dibromofluoromethane	8.021	113	485770	42.573	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery =	85.140%		
50) Toluene-d8	10.443	98	1874336	40.910	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery =	81.820%		
62) 4-Bromofluorobenzene	12.733	95	609818	36.740	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery =	73.480%		
Target Compounds						Qvalue
11) Tert butyl alcohol	5.387	59	446379	140.729	ug/l	98
16) Acetone	4.291	43	407647	40.384	ug/l	95
17) Carbon Disulfide	4.524	76	15162	0.567	ug/l	98
25) 2-Butanone	7.340	43	720631	52.543	ug/l	91
29) Tetrahydrofuran	7.697	42	125077	15.019	ug/l	87
51) 4-Methyl-2-Pentanone	10.333	43	32158	1.298	ug/l	93
52) Toluene	10.507	92	9625	0.297	ug/l	99
67) Ethyl Benzene	11.846	91	15197	0.255	ug/l	93
68) m/p-Xylenes	11.956	106	8493	0.392	ug/l	100
95) Naphthalene	15.509	128	83588	6.760	ug/l	99

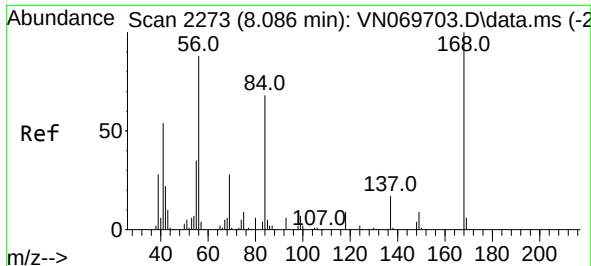
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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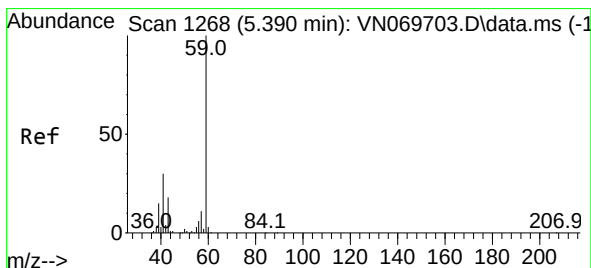
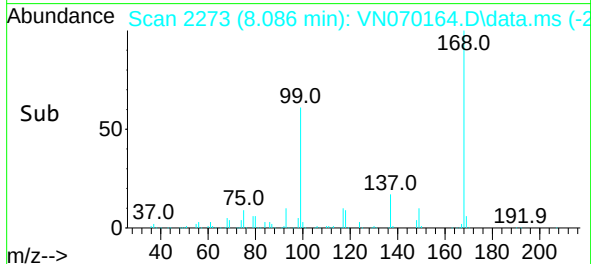
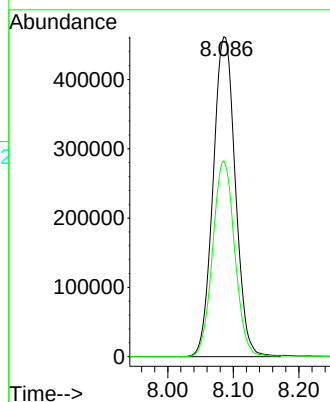
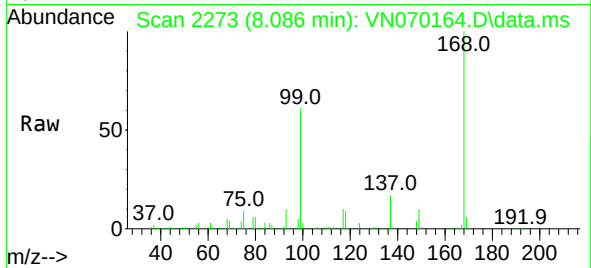




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

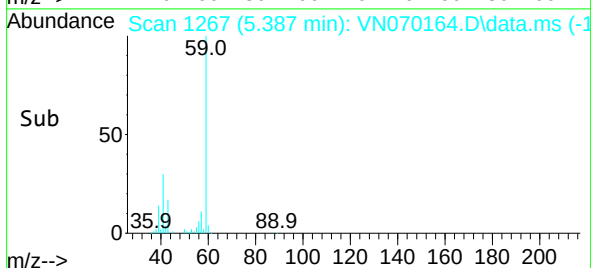
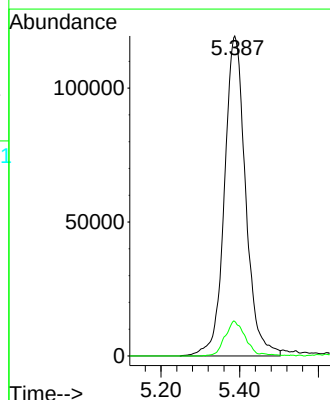
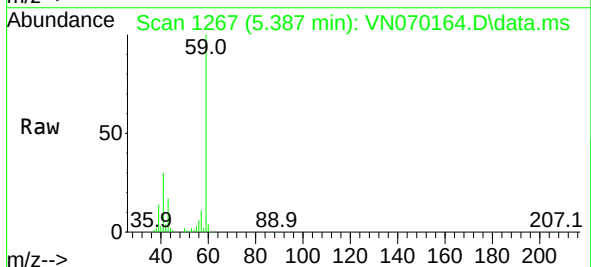
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02DL

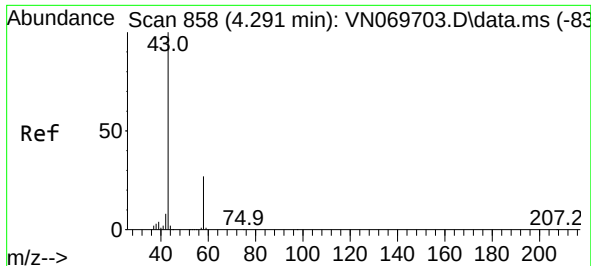
Tgt Ion:168 Resp: 1086815
Ion Ratio Lower Upper
168 100
99 61.2 41.3 61.9



#11
Tert butyl alcohol
Concen: 140.729 ug/l
RT: 5.387 min Scan# 1267
Delta R.T. -0.003 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

Tgt Ion: 59 Resp: 446379
Ion Ratio Lower Upper
59 100
57 10.2 8.7 13.1

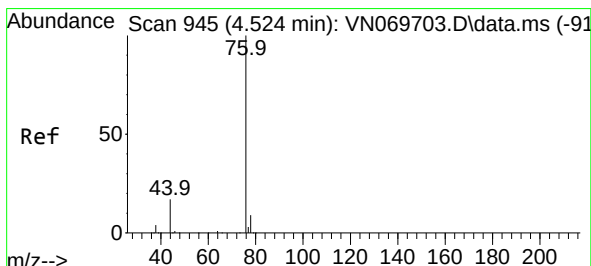
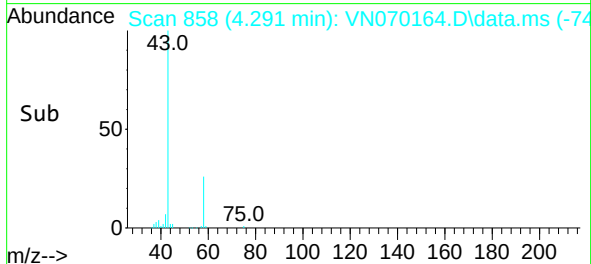
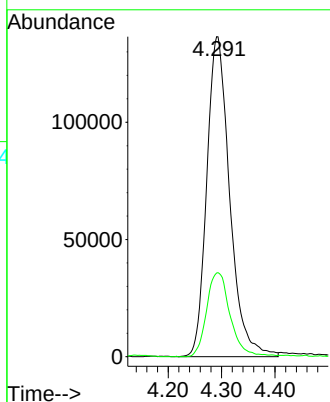
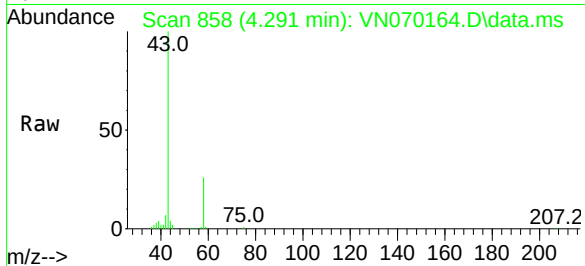




#16
Acetone
Concen: 40.384 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

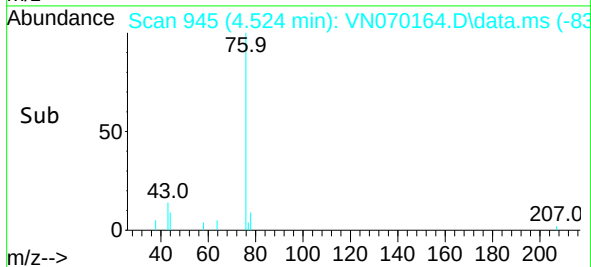
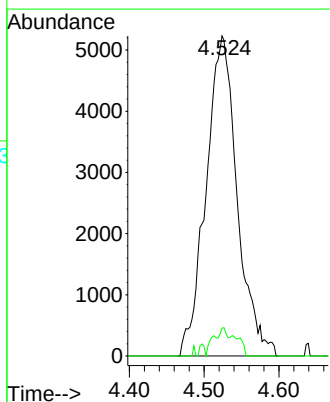
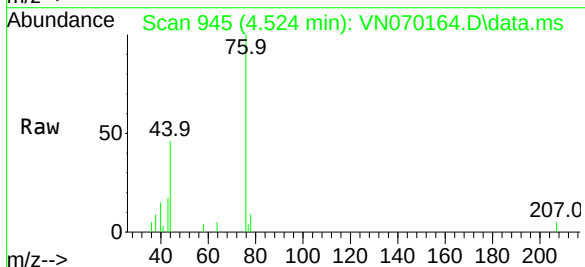
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02DL

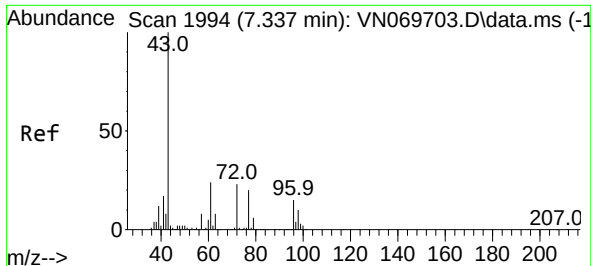
Tgt Ion: 43 Resp: 407647
Ion Ratio Lower Upper
43 100
58 26.1 23.1 34.7



#17
Carbon Disulfide
Concen: 0.567 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

Tgt Ion: 76 Resp: 15162
Ion Ratio Lower Upper
76 100
78 8.7 7.5 11.3

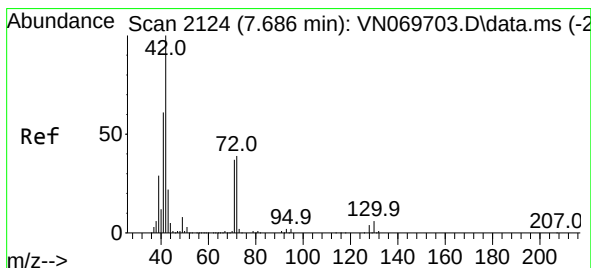
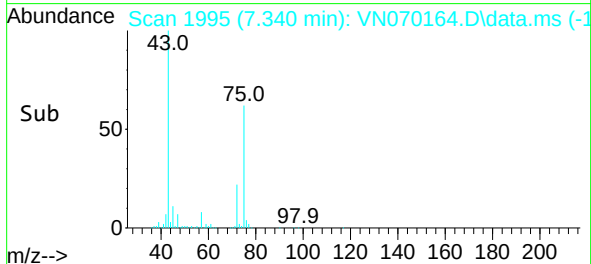
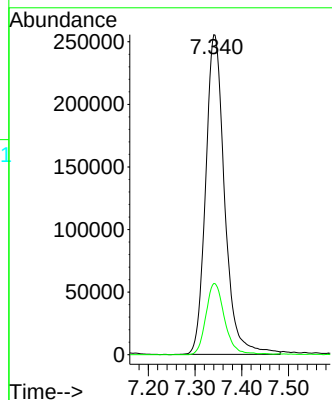
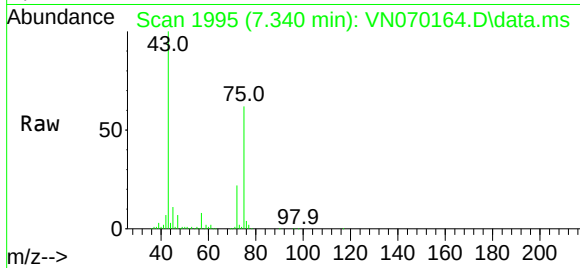




#25
2-Butanone
Concen: 52.543 ug/l
RT: 7.340 min Scan# 1994
Delta R.T. 0.003 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

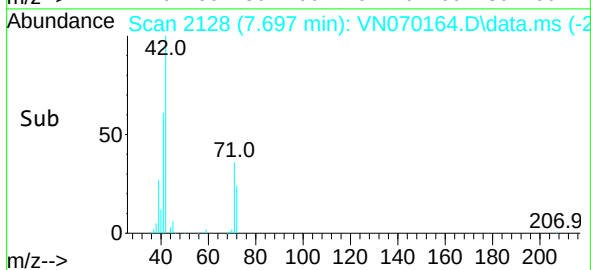
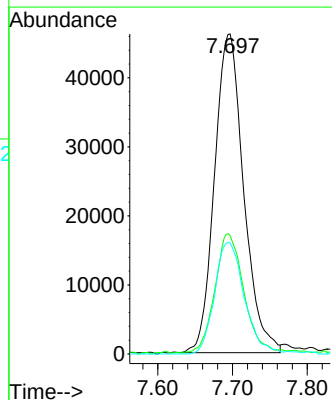
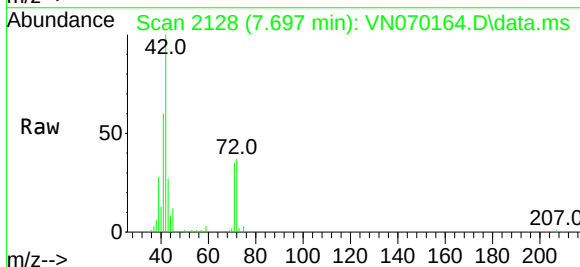
Instrument :
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ClientSampleId :
211215028-VOA-02DL

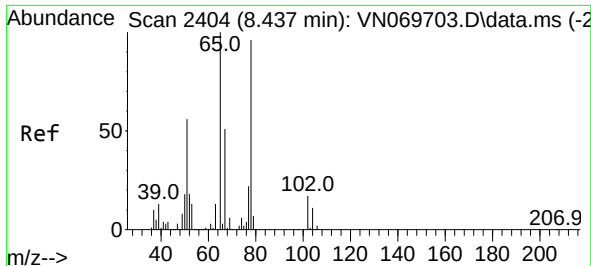
Tgt Ion: 43 Resp: 720631
Ion Ratio Lower Upper
43 100
72 22.3 21.7 32.5



#29
Tetrahydrofuran
Concen: 15.019 ug/l
RT: 7.697 min Scan# 2128
Delta R.T. 0.011 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

Tgt Ion: 42 Resp: 125077
Ion Ratio Lower Upper
42 100
72 36.8 36.3 54.5
71 35.6 34.7 52.1





#33

1,2-Dichloroethane-d4

Concen: 44.093 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070164.D

Acq: 17 Dec 2021 15:19

Instrument :

MSVOA_N

ClientSampleId :

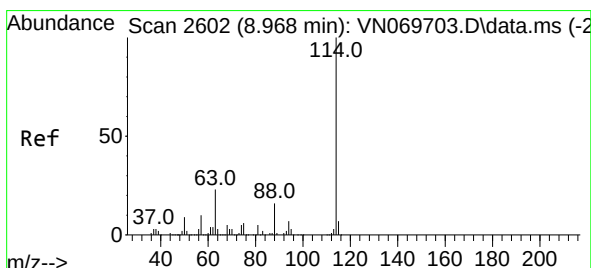
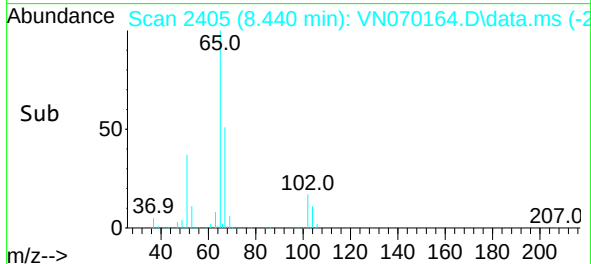
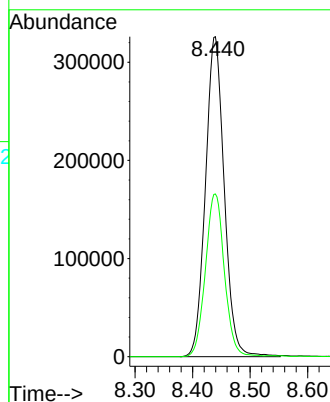
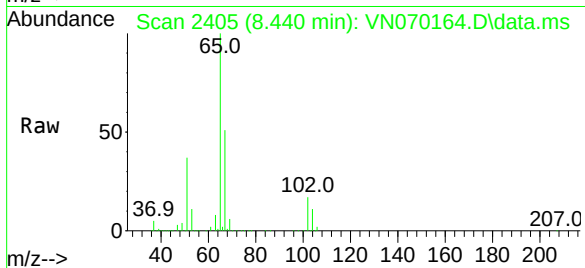
211215028-VOA-02DL

Tgt Ion: 65 Resp: 739899

Ion Ratio Lower Upper

65 100

67 51.4 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: VN070164.D

Acq: 17 Dec 2021 15:19

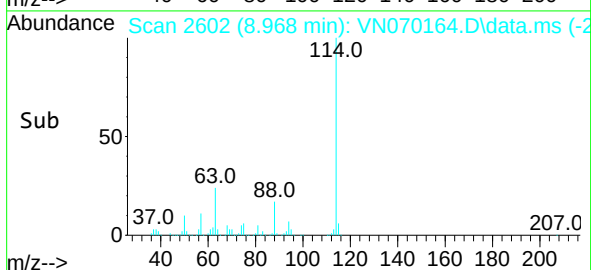
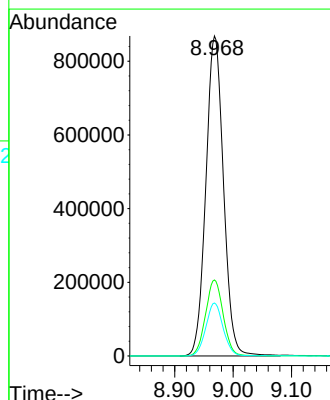
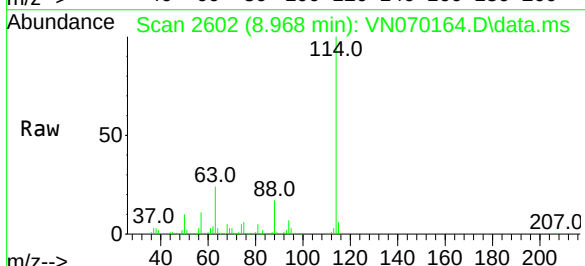
Tgt Ion: 114 Resp: 1821627

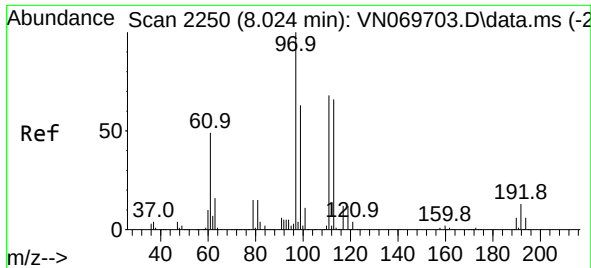
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.5 0.0 27.4

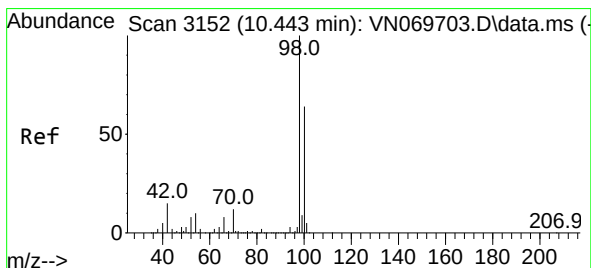
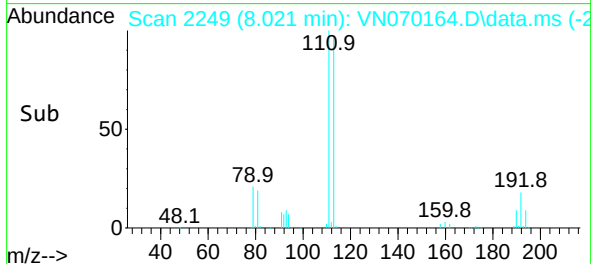
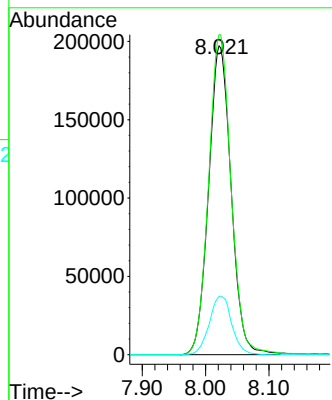
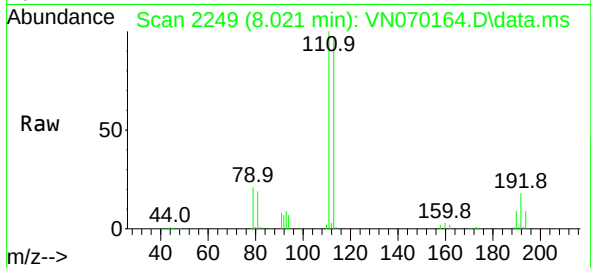




#35
 Dibromofluoromethane
 Concen: 42.573 ug/l
 RT: 8.021 min Scan# 2112
 Delta R.T. -0.003 min
 Lab File: VN070164.D
 Acq: 17 Dec 2021 15:19

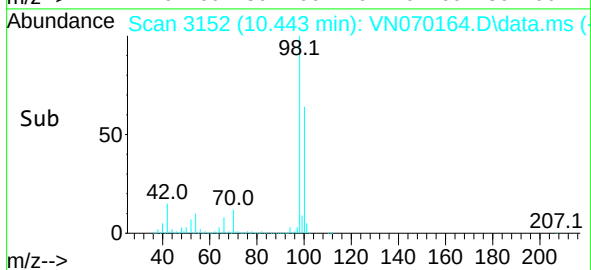
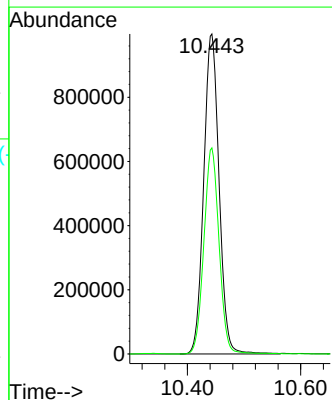
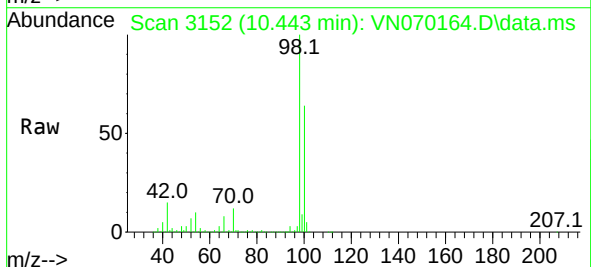
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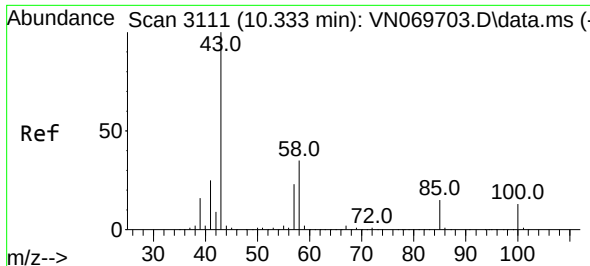
Tgt Ion:113 Resp: 485770
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.2 123.2
 192 18.9 16.9 25.3



#50
 Toluene-d8
 Concen: 40.910 ug/l
 RT: 10.443 min Scan# 3152
 Delta R.T. 0.000 min
 Lab File: VN070164.D
 Acq: 17 Dec 2021 15:19

Tgt Ion: 98 Resp: 1874336
 Ion Ratio Lower Upper
 98 100
 100 63.5 50.4 75.6

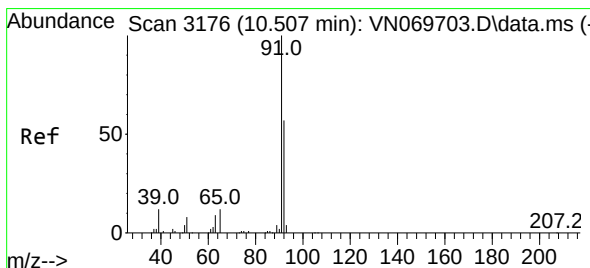
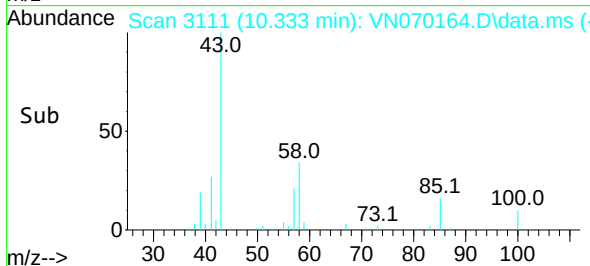
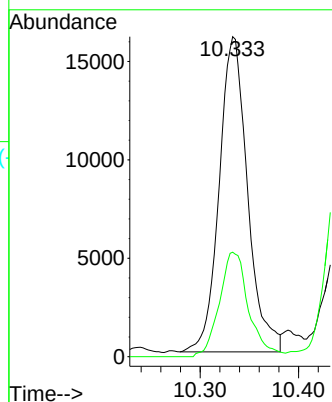
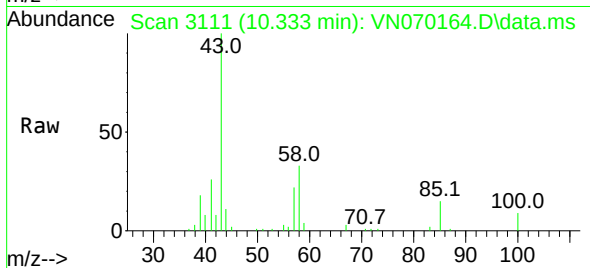




#51
4-Methyl-2-Pentanone
Concen: 1.298 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

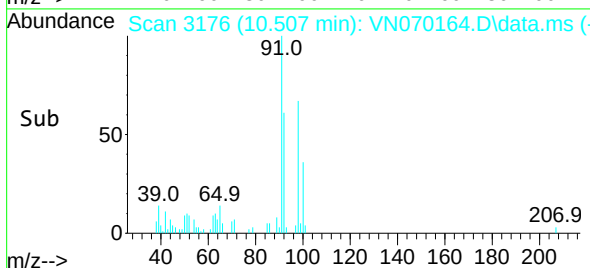
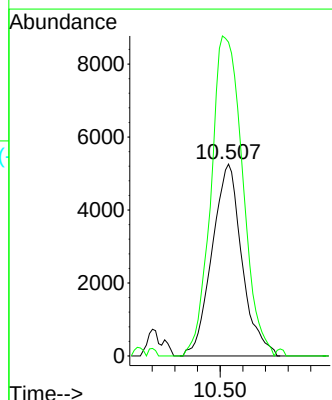
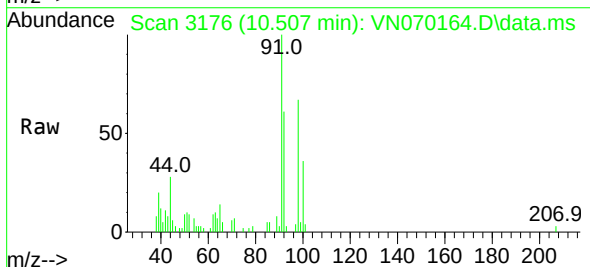
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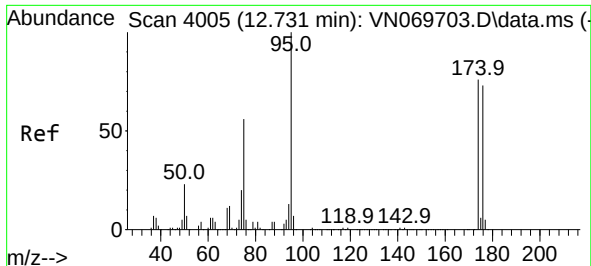
Tgt Ion: 43 Resp: 32158
Ion Ratio Lower Upper
43 100
58 34.0 30.4 45.6



#52
Toluene
Concen: 0.297 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

Tgt Ion: 92 Resp: 9625
Ion Ratio Lower Upper
92 100
91 176.6 142.0 213.0





#62

4-Bromofluorobenzene

Concen: 36.740 ug/l

RT: 12.733 min Scan# 4005

Delta R.T. 0.002 min

Lab File: VN070164.D

Acq: 17 Dec 2021 15:19

Instrument :

MSVOA_N

ClientSampleId :

211215028-VOA-02DL

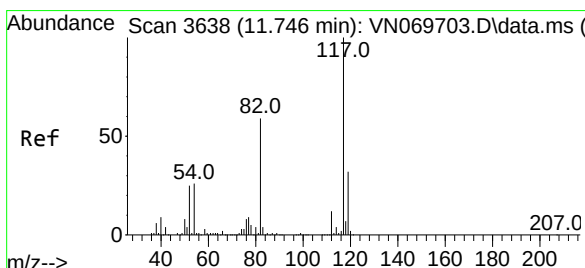
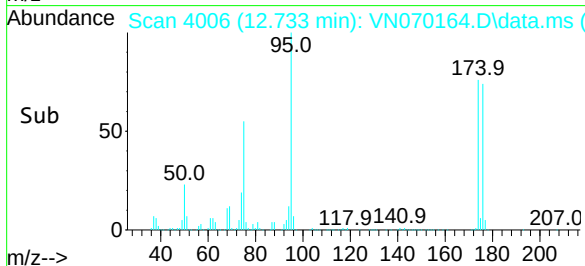
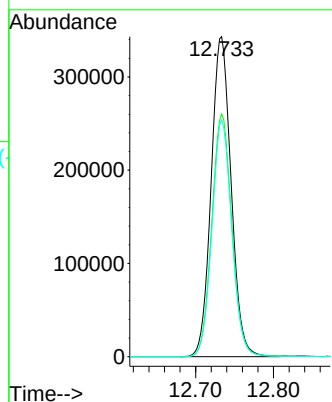
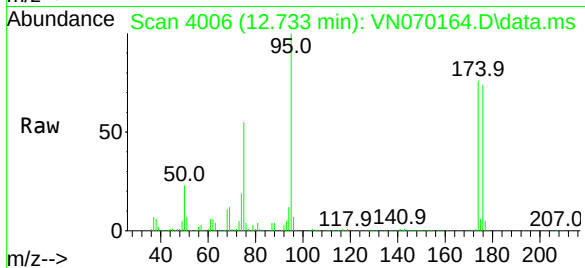
Tgt Ion: 95 Resp: 609818

Ion Ratio Lower Upper

95 100

174 76.6 0.0 187.2

176 73.3 0.0 181.4



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.746 min Scan# 3638

Delta R.T. 0.000 min

Lab File: VN070164.D

Acq: 17 Dec 2021 15:19

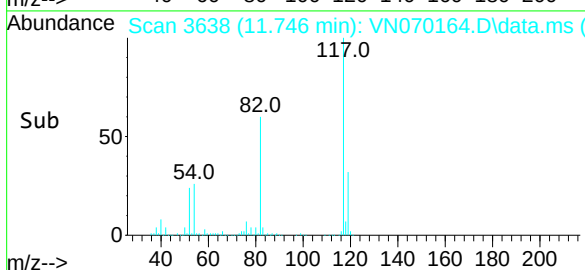
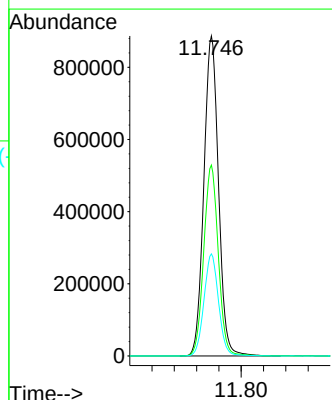
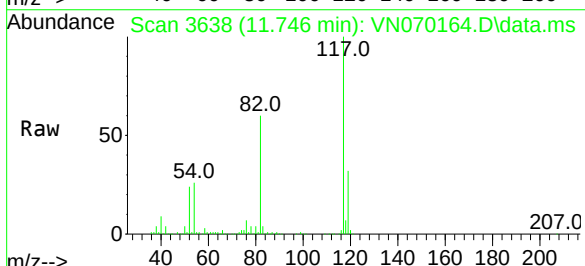
Tgt Ion: 117 Resp: 1616350

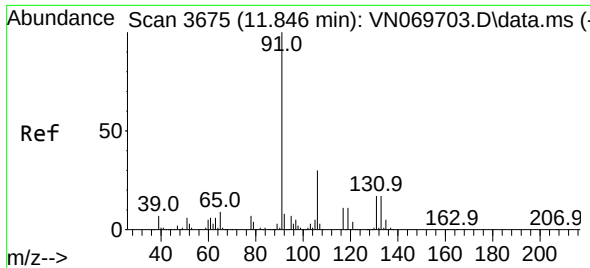
Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 31.9 25.4 38.2

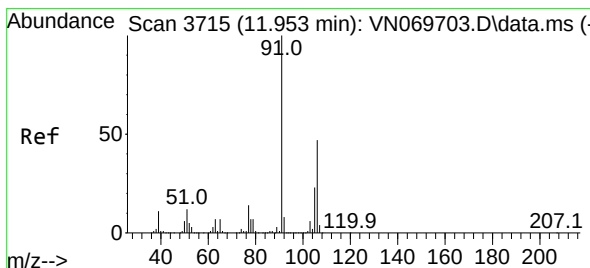
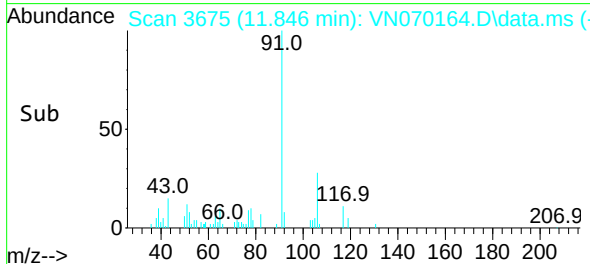
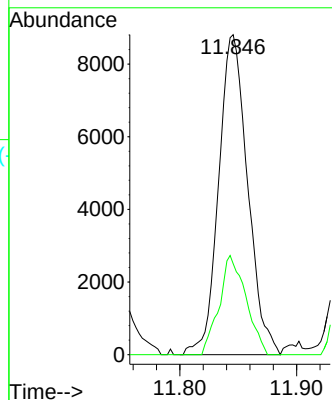
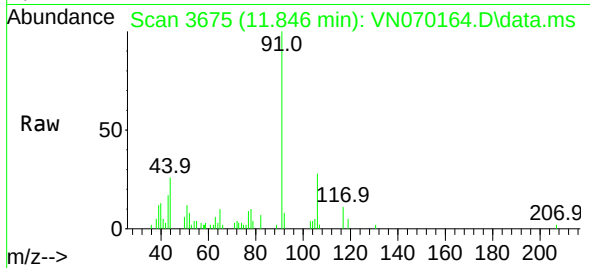




#67
Ethyl Benzene
Concen: 0.255 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

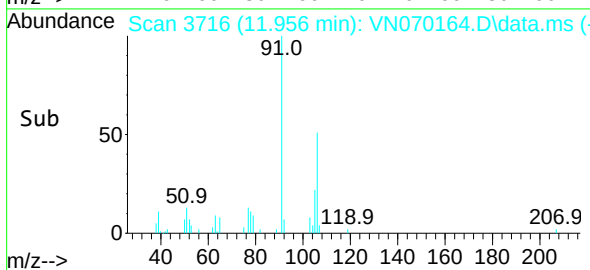
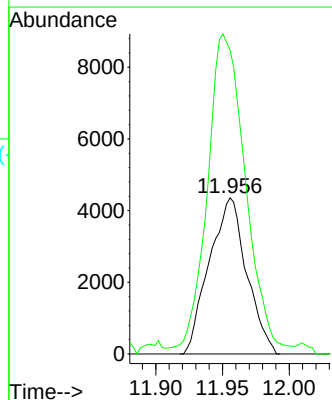
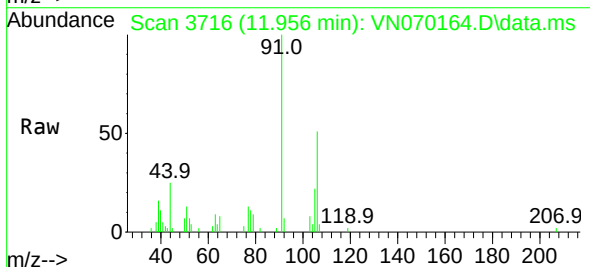
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02DL

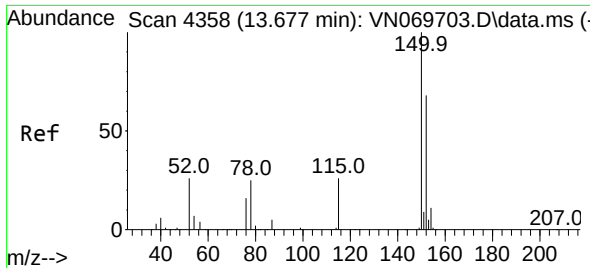
Tgt Ion: 91 Resp: 15197
Ion Ratio Lower Upper
91 100
106 28.4 25.7 38.5



#68
m/p-Xylenes
Concen: 0.392 ug/l
RT: 11.956 min Scan# 3716
Delta R.T. 0.003 min
Lab File: VN070164.D
Acq: 17 Dec 2021 15:19

Tgt Ion: 106 Resp: 8493
Ion Ratio Lower Upper
106 100
91 200.1 160.6 240.8

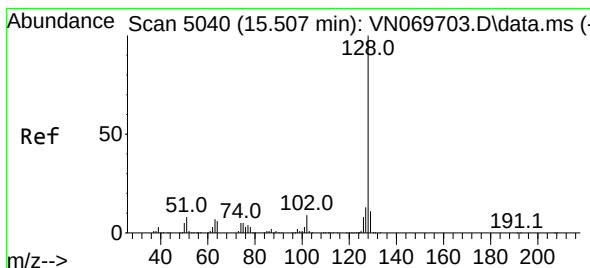
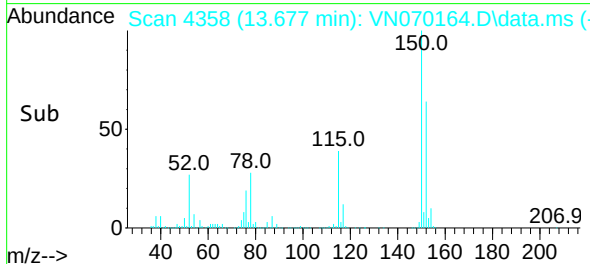
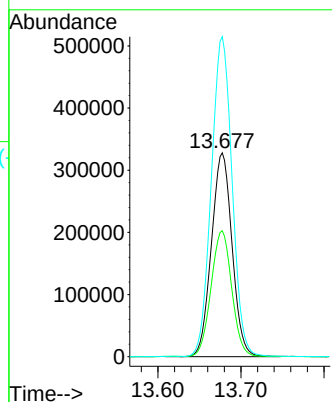
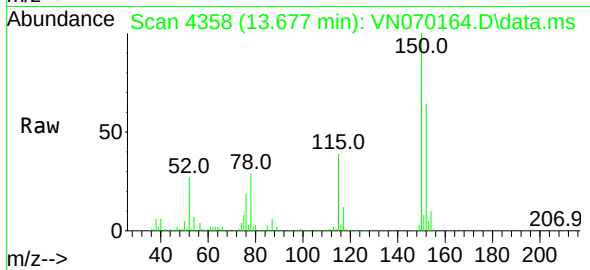




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.677 min Scan# 41
 Delta R.T. 0.000 min
 Lab File: VN070164.D
 Acq: 17 Dec 2021 15:19

Instrument :
 MSVOA_N
 ClientSampleId :
 211215028-VOA-02DL

Tgt Ion:152 Resp: 567258
 Ion Ratio Lower Upper
 152 100
 115 61.6 27.5 82.5
 150 157.6 0.0 344.4



#95
 Naphthalene
 Concen: 6.760 ug/l
 RT: 15.509 min Scan# 5041
 Delta R.T. 0.002 min
 Lab File: VN070164.D
 Acq: 17 Dec 2021 15:19

Tgt Ion:128 Resp: 83588
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.5 15.7
 129 11.3 8.7 13.1

