

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121621\
 Data File : VN070150.D
 Acq On : 16 Dec 2021 20:31
 Operator : JC/MD
 Sample : M5131-01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 211215028-VOA-02

Quant Time: Dec 17 01:04:27 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)

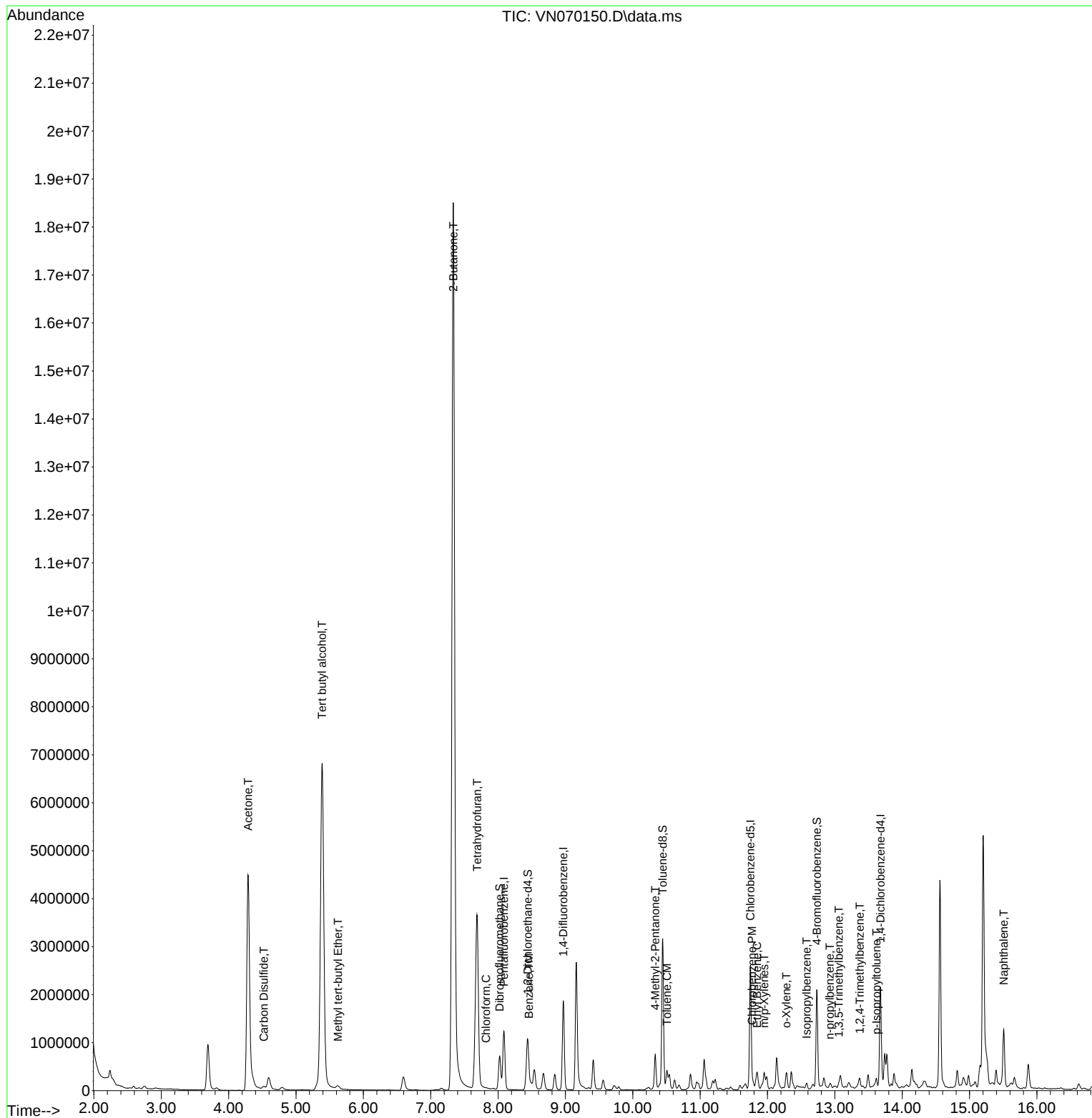
Internal Standards						
1) Pentafluorobenzene	8.086	168	910482	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1546136	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1410873	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.677	152	539572	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	794210	56.496	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 113.000%			
35) Dibromofluoromethane	8.024	113	503894	52.030	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 104.060%			
50) Toluene-d8	10.443	98	2027039	52.126	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 104.260%			
62) 4-Bromofluorobenzene	12.733	95	711017	50.470	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 100.940%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.387	59	12550455	4723.053	ug/l	99
16) Acetone	4.288	43	8578443	1014.428	ug/l	97
17) Carbon Disulfide	4.524	76	119671	5.341	ug/l	100
19) Methyl tert-butyl Ether	5.623	73	91411	2.711	ug/l #	89
25) 2-Butanone	7.337	43	16019478	1394.229	ug/l	91
29) Tetrahydrofuran	7.689	42	2812595	403.129	ug/l	88
30) Chloroform	7.820	83	5557	0.278	ug/l	88
40) Benzene	8.458	78	104550	2.324	ug/l	100
51) 4-Methyl-2-Pentanone	10.333	43	538283	25.595	ug/l	93
52) Toluene	10.507	92	145031	5.280	ug/l	98
65) Chlorobenzene	11.771	112	38996	1.362	ug/l	94
67) Ethyl Benzene	11.846	91	212392	4.085	ug/l	96
68) m/p-Xylenes	11.950	106	106376	5.619	ug/l	92
69) o-Xylene	12.280	106	67459	3.538	ug/l	90
73) Isopropylbenzene	12.581	105	39898	0.831	ug/l	98
78) n-propylbenzene	12.924	91	35964	0.673	ug/l	97
80) 1,3,5-Trimethylbenzene	13.061	105	19016	0.492	ug/l	99
84) 1,2,4-Trimethylbenzene	13.369	105	88659	2.409	ug/l	100
86) p-Isopropyltoluene	13.618	119	84558	2.331	ug/l	91
95) Naphthalene	15.507	128	1077933	41.606	ug/l	100

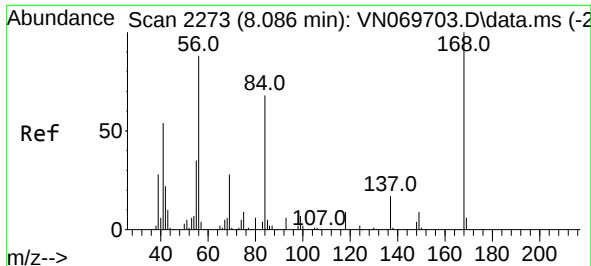
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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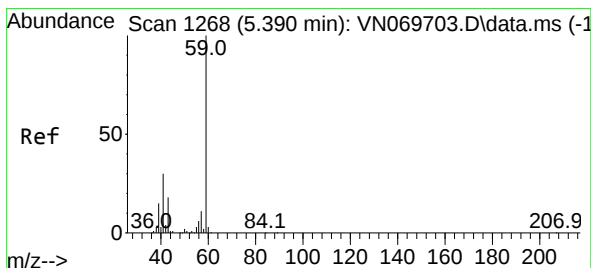
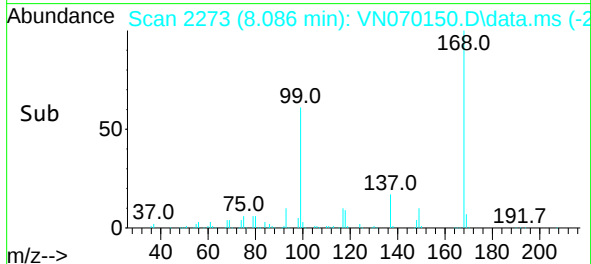
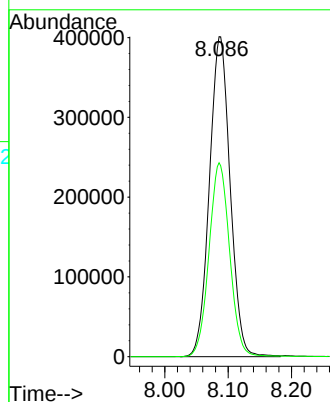
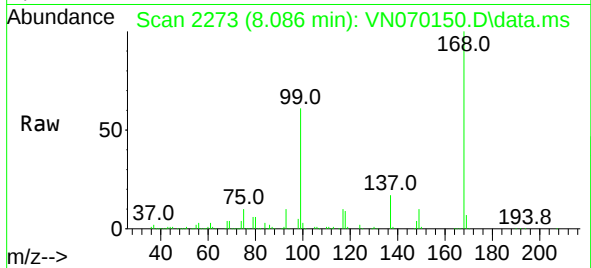




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

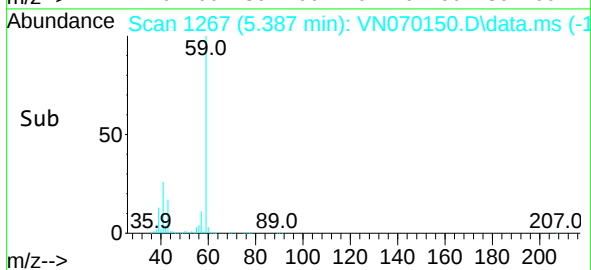
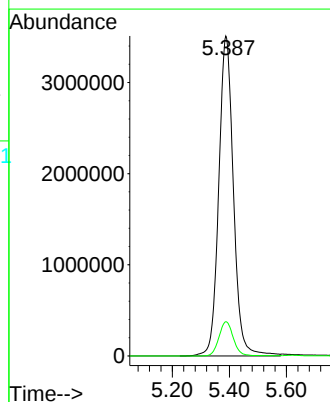
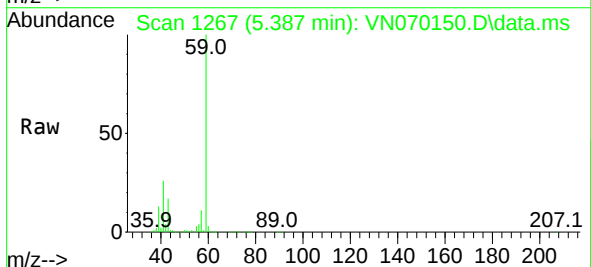
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02

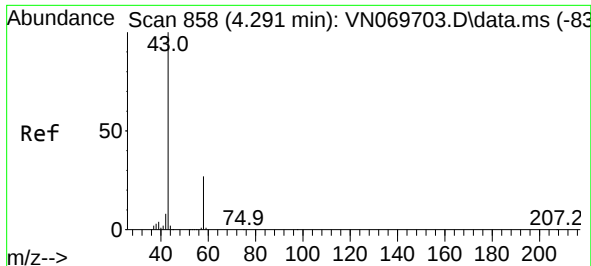
Tgt Ion:168 Resp: 910482
Ion Ratio Lower Upper
168 100
99 60.6 41.3 61.9



#11
Tert butyl alcohol
Concen: 4723.053 ug/l
RT: 5.387 min Scan# 1267
Delta R.T. -0.003 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion: 59 Resp:12550455
Ion Ratio Lower Upper
59 100
57 10.5 8.7 13.1

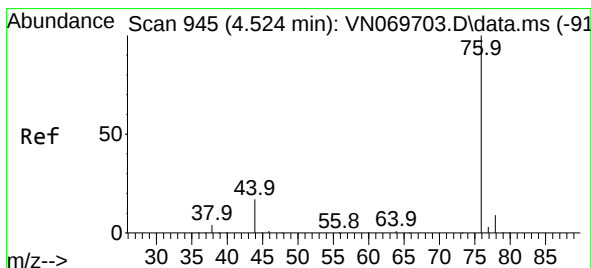
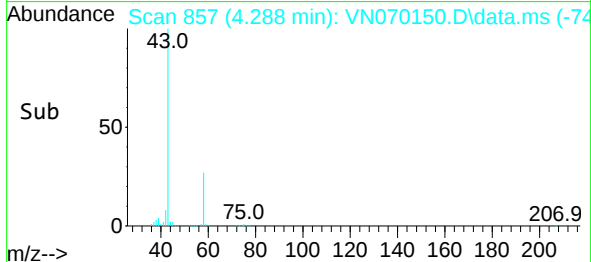
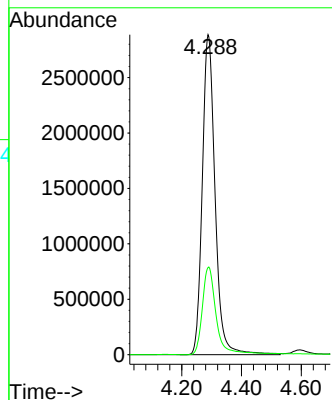
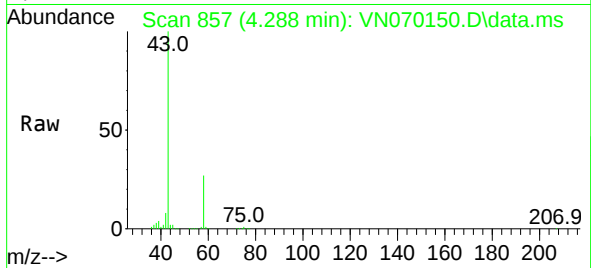




#16
Acetone
Concen: 1014.428 ug/l
RT: 4.288 min Scan# 857
Delta R.T. -0.003 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

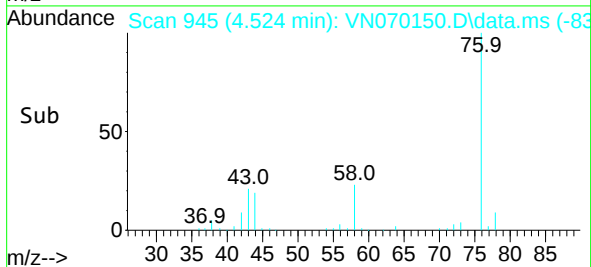
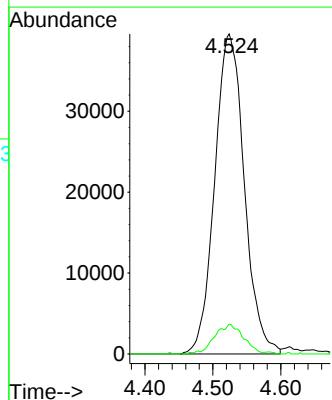
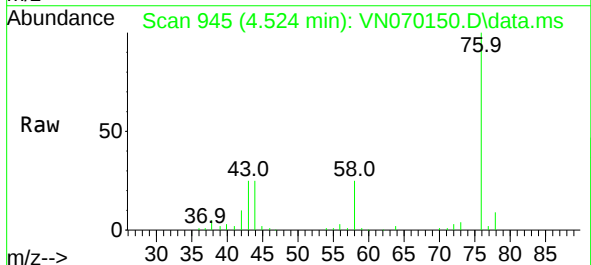
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02

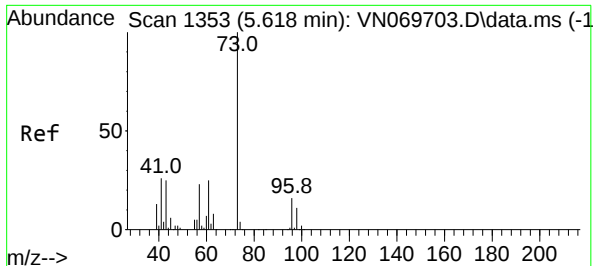
Tgt Ion: 43 Resp: 8578443
Ion Ratio Lower Upper
43 100
58 27.2 23.1 34.7



#17
Carbon Disulfide
Concen: 5.341 ug/l
RT: 4.524 min Scan# 945
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion: 76 Resp: 119671
Ion Ratio Lower Upper
76 100
78 9.3 7.5 11.3





#19

Methyl tert-butyl Ether

Concen: 2.711 ug/l

RT: 5.623 min Scan# 11

Delta R.T. 0.005 min

Lab File: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :

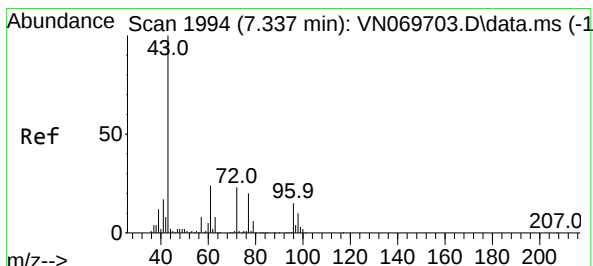
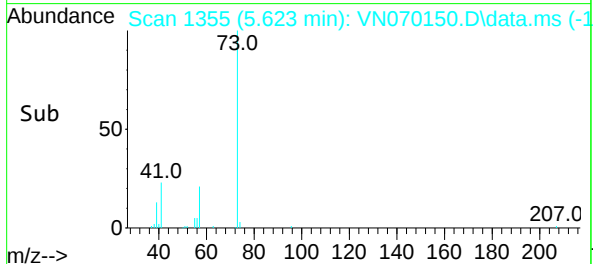
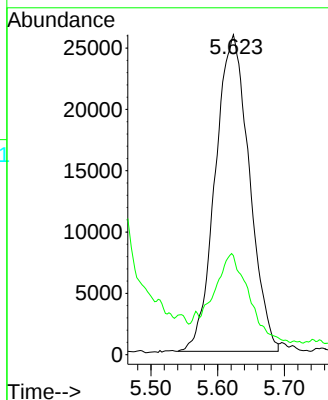
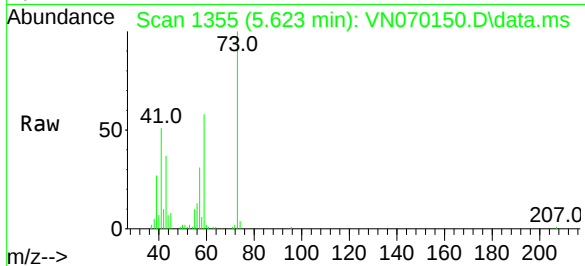
211215028-VOA-02

Tgt Ion: 73 Resp: 91411

Ion Ratio Lower Upper

73 100

57 25.9 16.8 25.2#



#25

2-Butanone

Concen: 1394.229 ug/l

RT: 7.337 min Scan# 1994

Delta R.T. 0.000 min

Lab File: VN070150.D

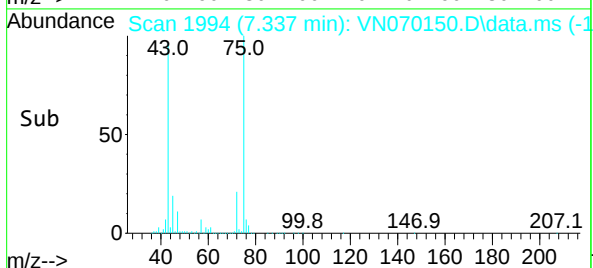
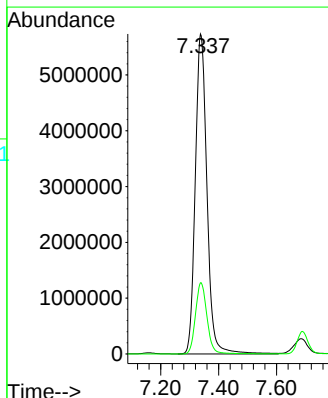
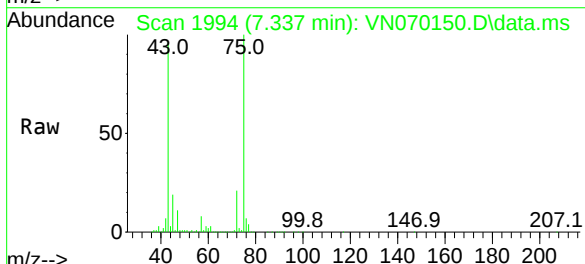
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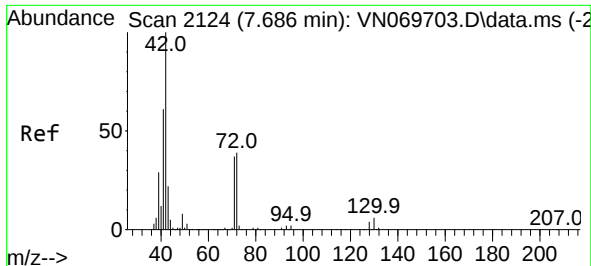
Tgt Ion: 43 Resp:16019478

Ion Ratio Lower Upper

43 100

72 22.2 21.7 32.5





#29

Tetrahydrofuran

Concen: 403.129 ug/l

RT: 7.689 min Scan# 2125

Delta R.T. 0.003 min

Lab File: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :

211215028-VOA-02

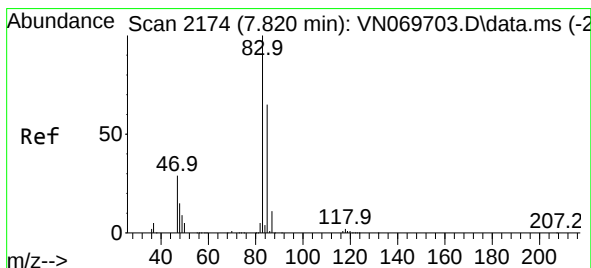
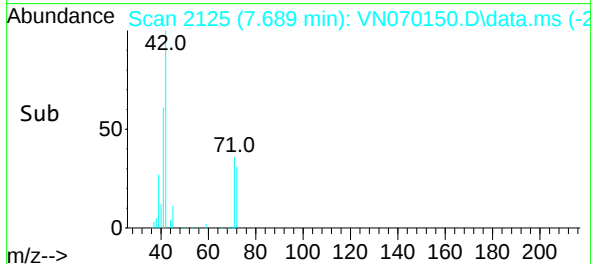
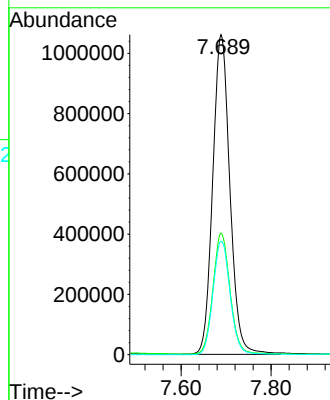
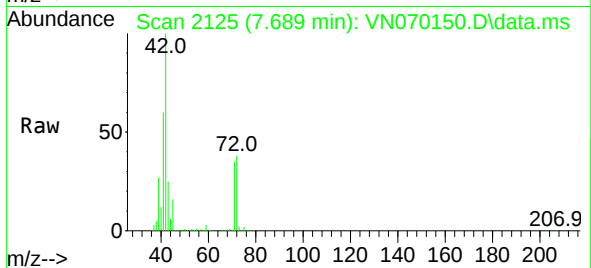
Tgt Ion: 42 Resp: 2812595

Ion Ratio Lower Upper

42 100

72 37.5 36.3 54.5

71 35.5 34.7 52.1



#30

Chloroform

Concen: 0.278 ug/l

RT: 7.820 min Scan# 2174

Delta R.T. 0.000 min

Lab File: VN070150.D

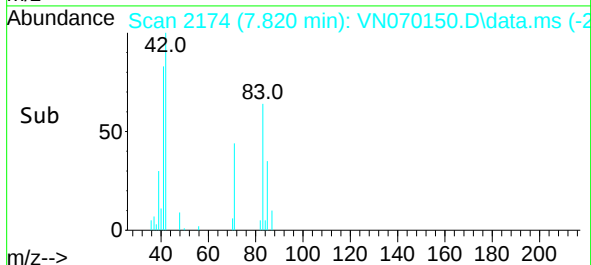
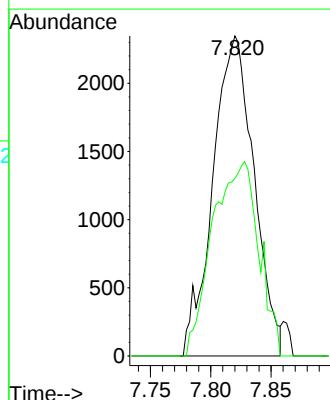
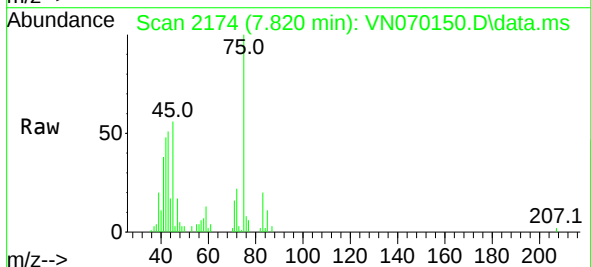
Acq: 16 Dec 2021 20:31

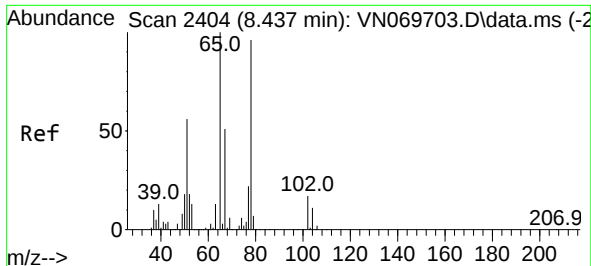
Tgt Ion: 83 Resp: 5557

Ion Ratio Lower Upper

83 100

85 55.5 51.9 77.9





#33

1,2-Dichloroethane-d4

Concen: 56.496 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

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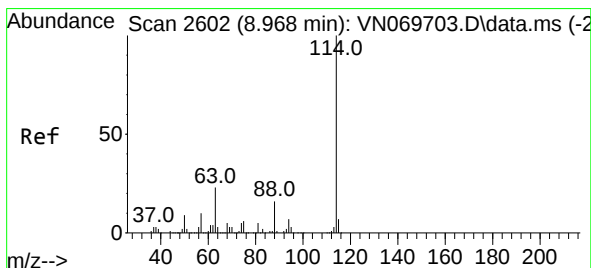
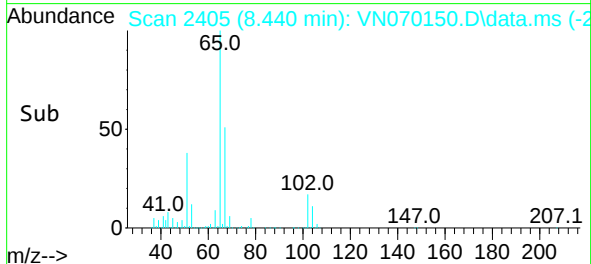
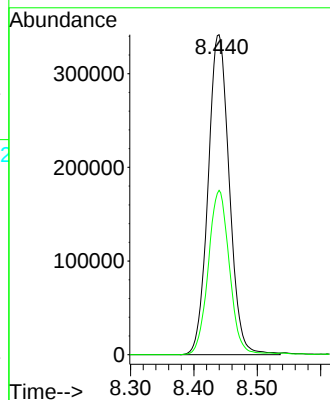
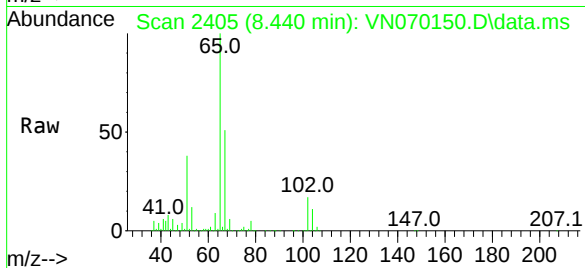
211215028-VOA-02

Tgt Ion: 65 Resp: 794210

Ion Ratio Lower Upper

65 100

67 50.9 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: VN070150.D

Acq: 16 Dec 2021 20:31

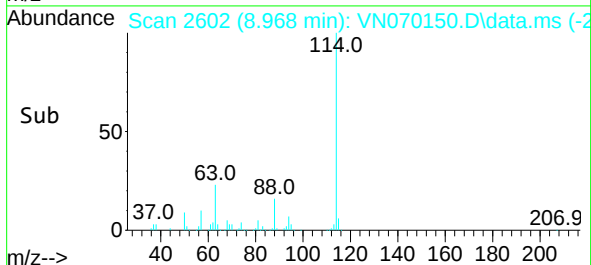
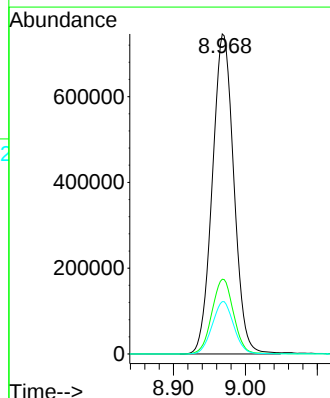
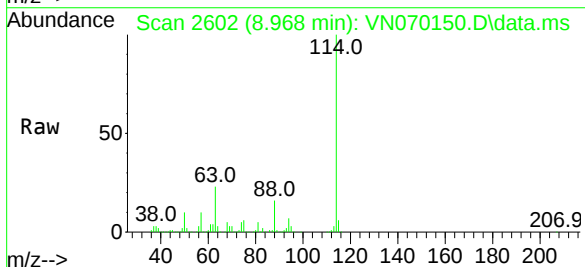
Tgt Ion: 114 Resp: 1546136

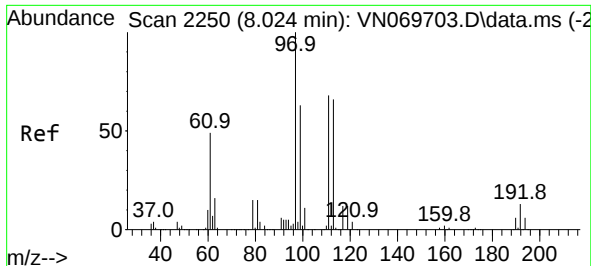
Ion Ratio Lower Upper

114 100

63 23.3 0.0 37.8

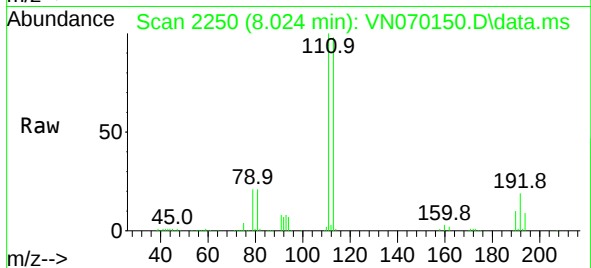
88 16.4 0.0 27.4



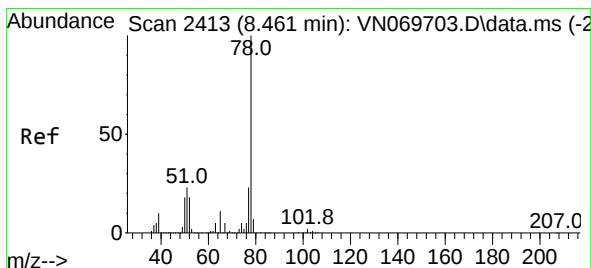
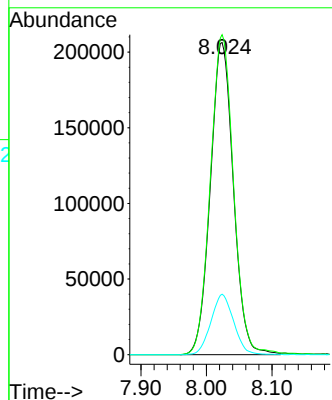
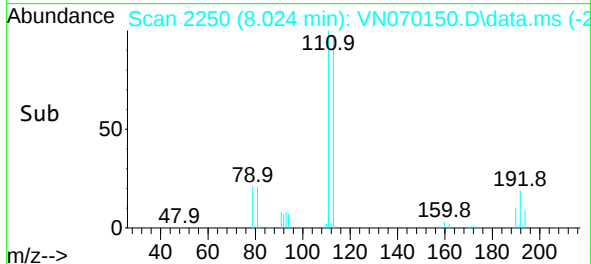


#35
 Dibromofluoromethane
 Concen: 52.030 ug/l
 RT: 8.024 min Scan# 2112
 Delta R.T. 0.000 min
 Lab File: VN070150.D
 Acq: 16 Dec 2021 20:31

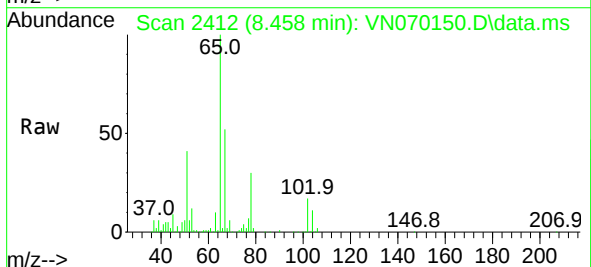
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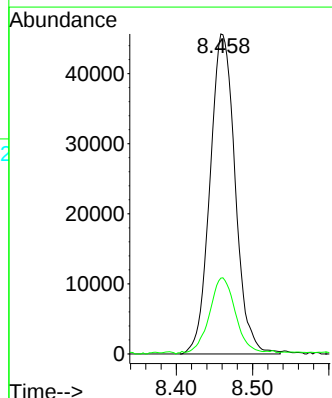
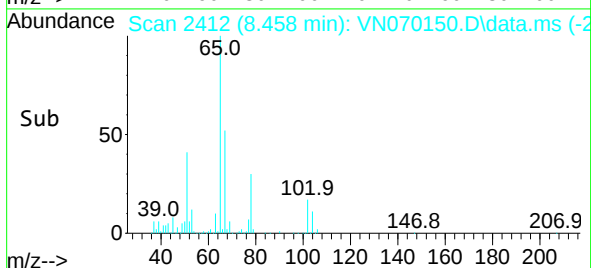
Tgt Ion:113 Resp: 503894
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.2
 192 19.1 16.9 25.3

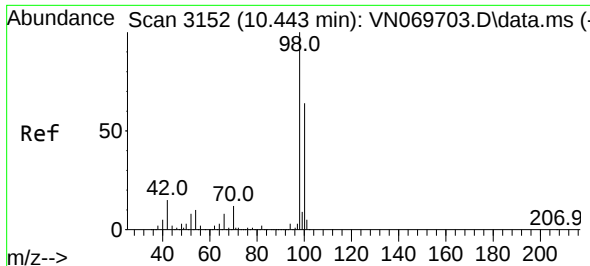


#40
 Benzene
 Concen: 2.324 ug/l
 RT: 8.458 min Scan# 2412
 Delta R.T. -0.003 min
 Lab File: VN070150.D
 Acq: 16 Dec 2021 20:31



Tgt Ion: 78 Resp: 104550
 Ion Ratio Lower Upper
 78 100
 77 23.4 18.6 27.8

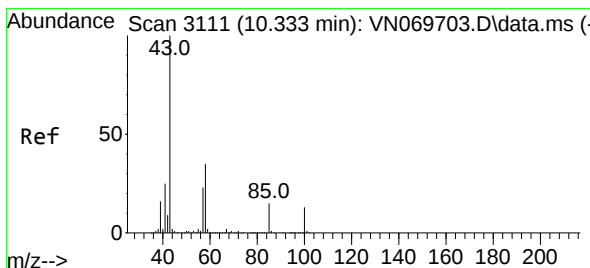
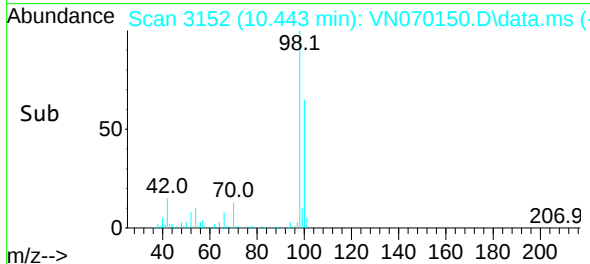
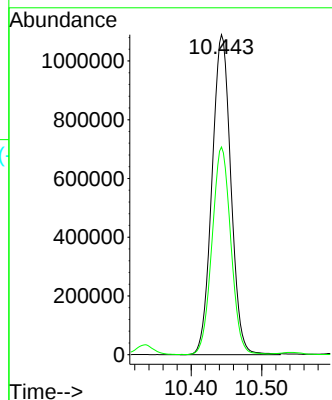
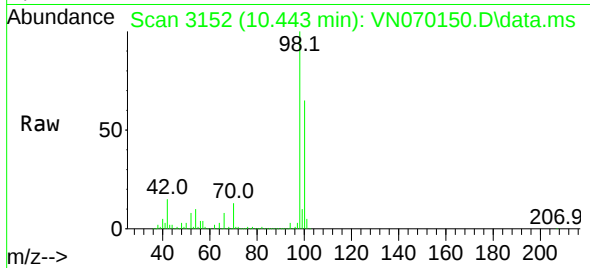




#50
Toluene-d8
Concen: 52.126 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

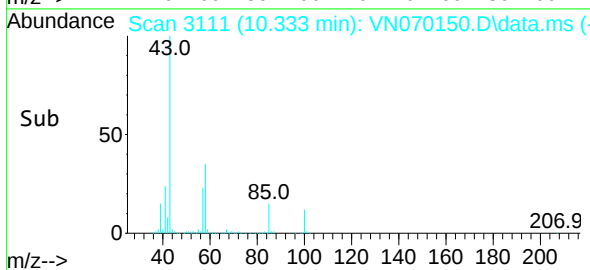
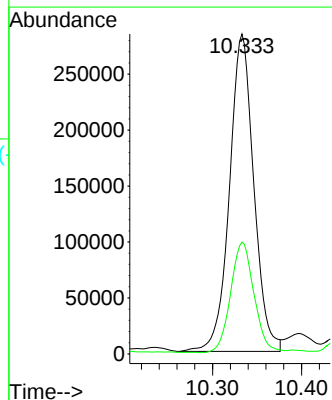
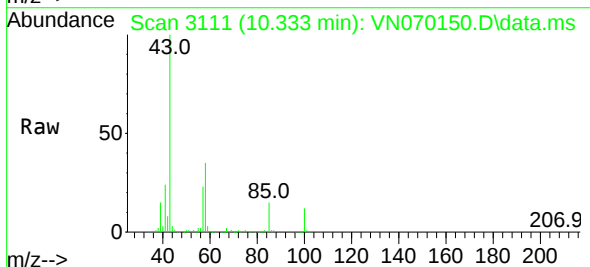
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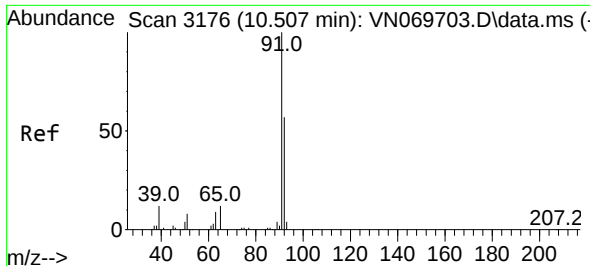
Tgt Ion: 98 Resp: 2027039
Ion Ratio Lower Upper
98 100
100 64.5 50.4 75.6



#51
4-Methyl-2-Pentanone
Concen: 25.595 ug/l
RT: 10.333 min Scan# 3111
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion: 43 Resp: 538283
Ion Ratio Lower Upper
43 100
58 33.5 30.4 45.6

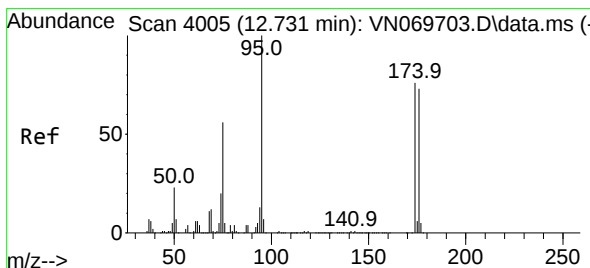
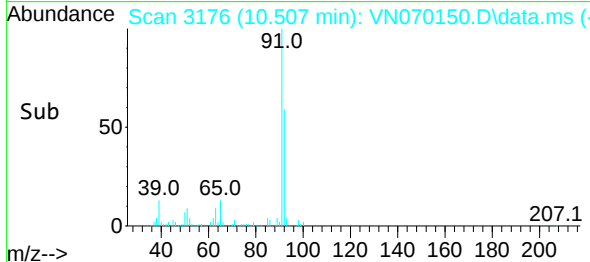
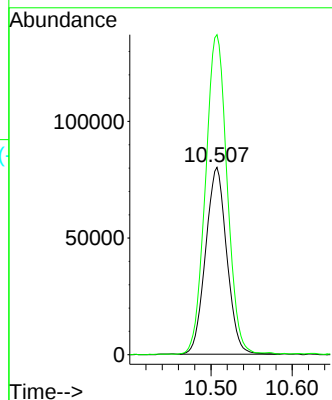
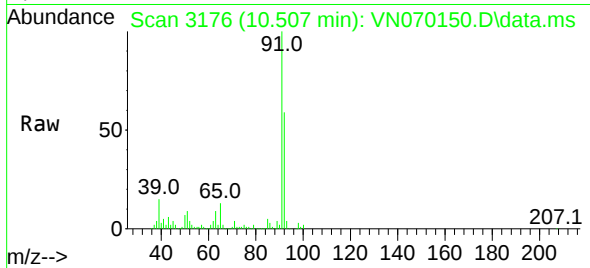




#52
Toluene
Concen: 5.280 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

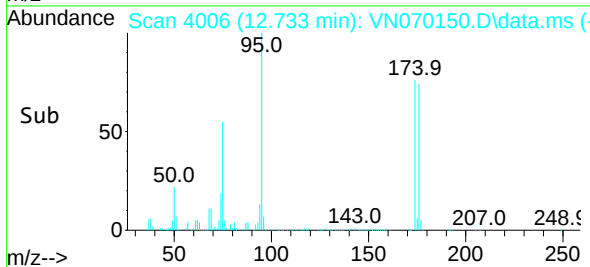
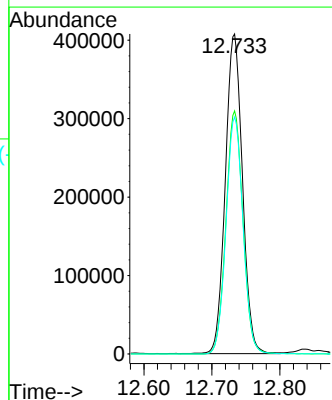
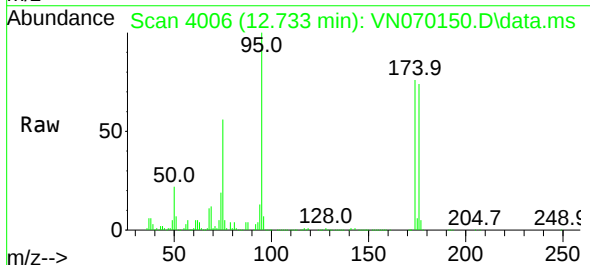
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02

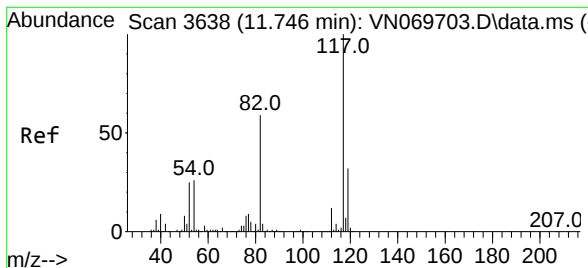
Tgt Ion: 92 Resp: 145031
Ion Ratio Lower Upper
92 100
91 174.7 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 50.470 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion: 95 Resp: 711017
Ion Ratio Lower Upper
95 100
174 75.8 0.0 187.2
176 73.7 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: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :

211215028-VOA-02

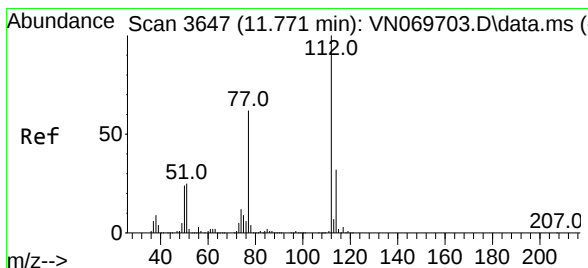
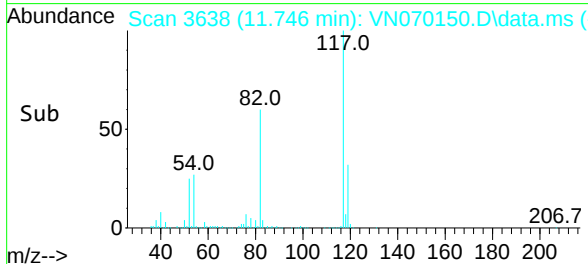
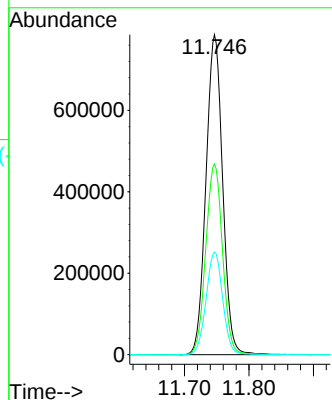
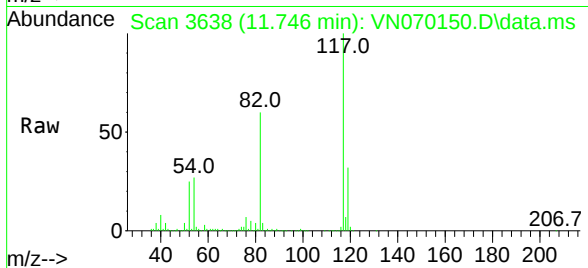
Tgt Ion:117 Resp: 1410873

Ion Ratio Lower Upper

117 100

82 59.6 42.4 63.6

119 32.1 25.4 38.2



#65

Chlorobenzene

Concen: 1.362 ug/l

RT: 11.771 min Scan# 3647

Delta R.T. -0.000 min

Lab File: VN070150.D

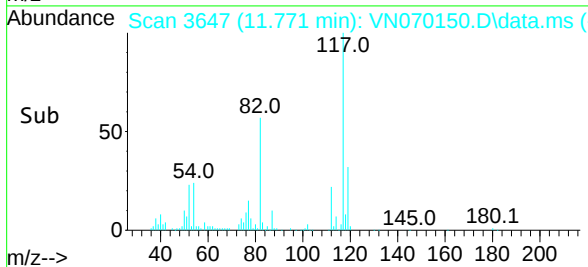
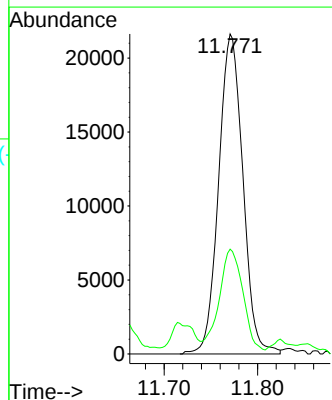
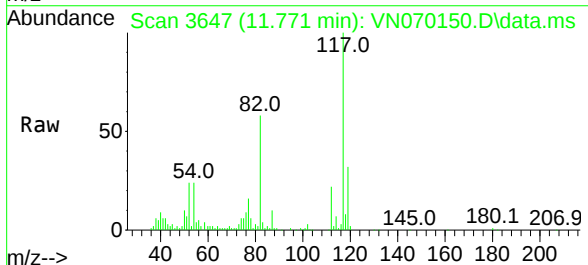
Acq: 16 Dec 2021 20:31

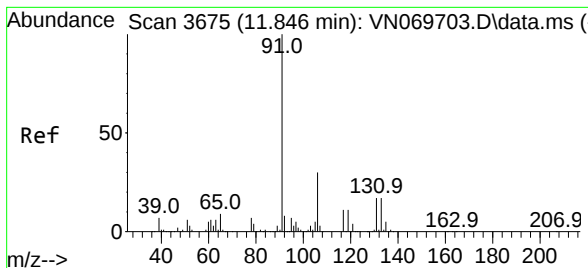
Tgt Ion:112 Resp: 38996

Ion Ratio Lower Upper

112 100

114 28.1 25.4 38.0





#67

Ethyl Benzene

Concen: 4.085 ug/l

RT: 11.846 min Scan# 3675

Delta R.T. 0.000 min

Lab File: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :

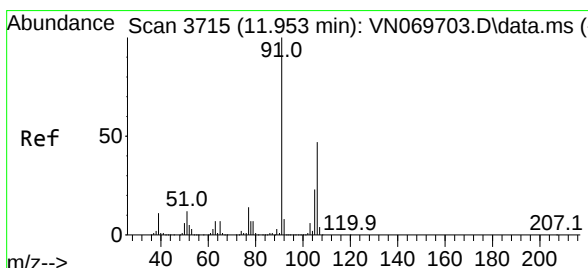
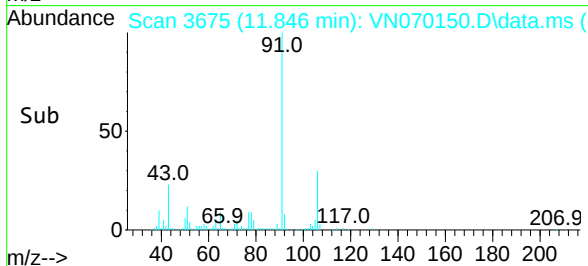
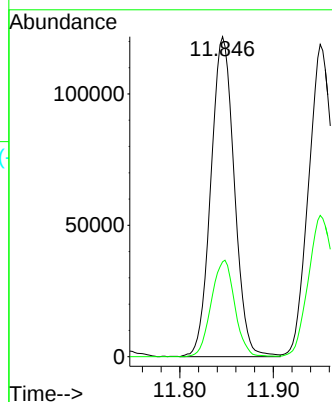
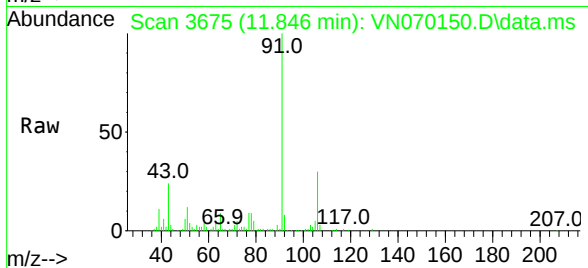
211215028-VOA-02

Tgt Ion: 91 Resp: 212392

Ion Ratio Lower Upper

91 100

106 29.6 25.7 38.5



#68

m/p-Xylenes

Concen: 5.619 ug/l

RT: 11.950 min Scan# 3714

Delta R.T. -0.003 min

Lab File: VN070150.D

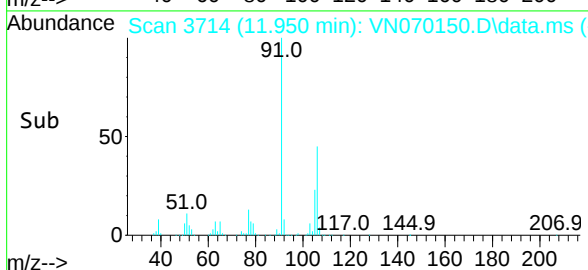
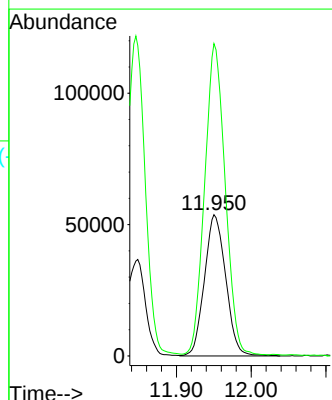
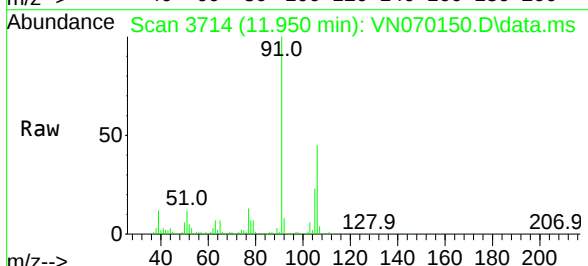
Acq: 16 Dec 2021 20:31

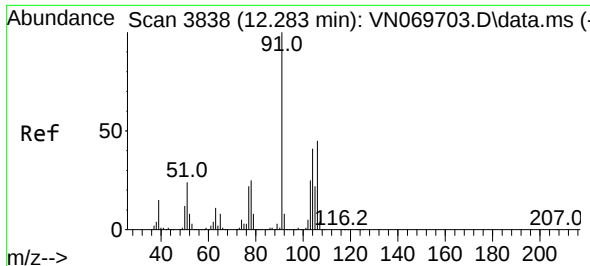
Tgt Ion:106 Resp: 106376

Ion Ratio Lower Upper

106 100

91 213.0 160.6 240.8

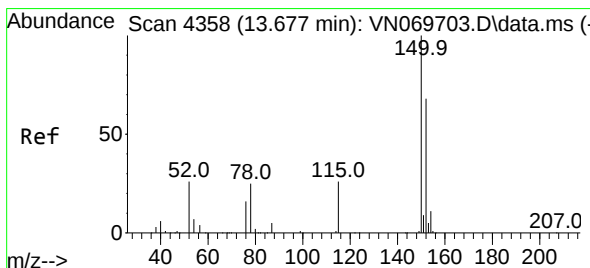
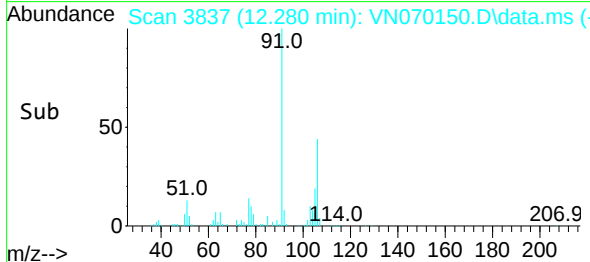
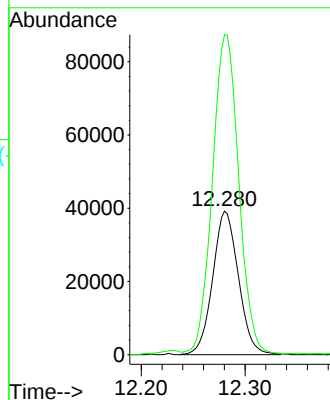
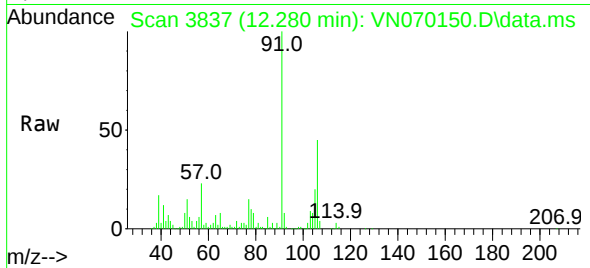




#69
o-Xylene
Concen: 3.538 ug/l
RT: 12.280 min Scan# 3838
Delta R.T. -0.003 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

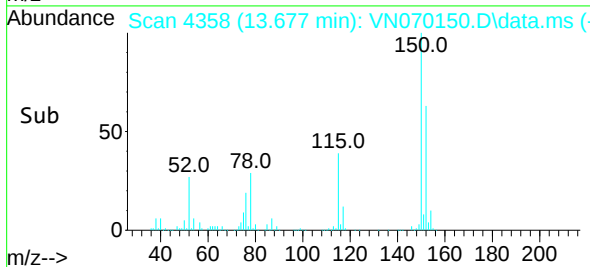
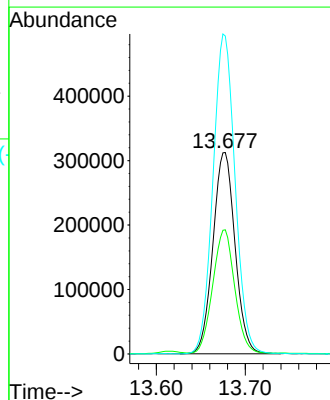
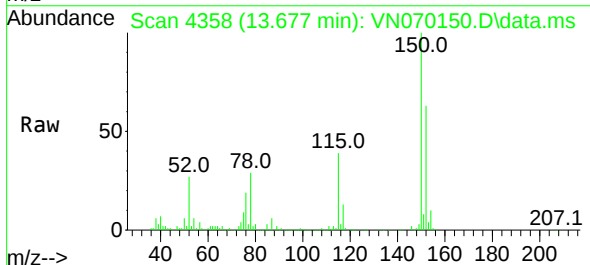
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02

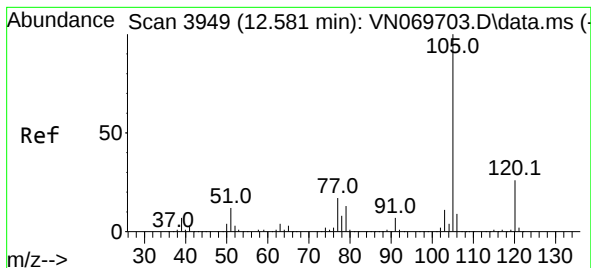
Tgt Ion:106 Resp: 67459
Ion Ratio Lower Upper
106 100
91 227.1 105.8 317.3



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.677 min Scan# 4358
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion:152 Resp: 539572
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.8 0.0 344.4





#73

Isopropylbenzene

Concen: 0.831 ug/l

RT: 12.581 min Scan# 3949

Delta R.T. 0.000 min

Lab File: VN070150.D

Acq: 16 Dec 2021 20:31

Instrument :

MSVOA_N

ClientSampleId :

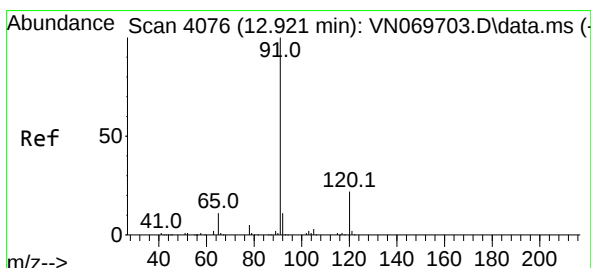
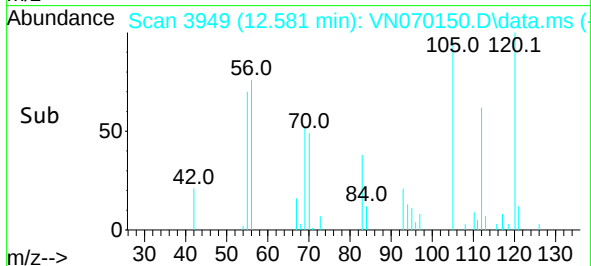
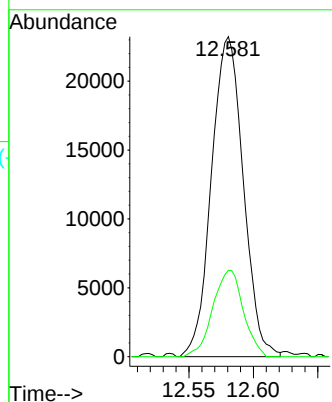
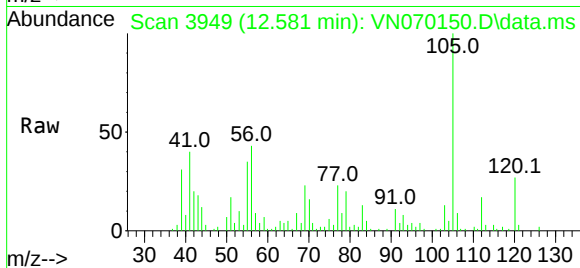
211215028-VOA-02

Tgt Ion:105 Resp: 39898

Ion Ratio Lower Upper

105 100

120 25.9 13.4 40.1



#78

n-propylbenzene

Concen: 0.673 ug/l

RT: 12.924 min Scan# 4077

Delta R.T. 0.003 min

Lab File: VN070150.D

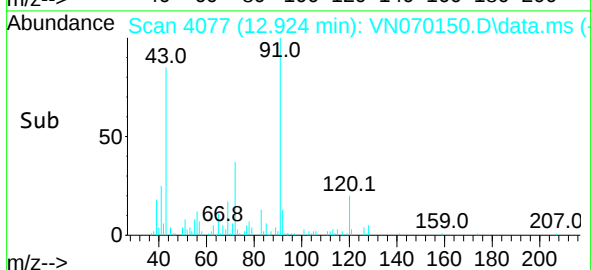
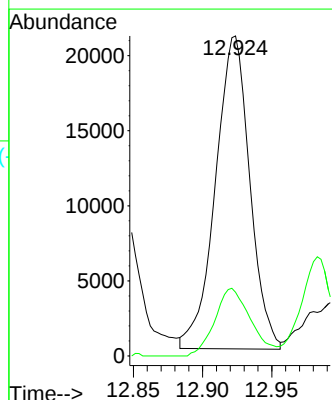
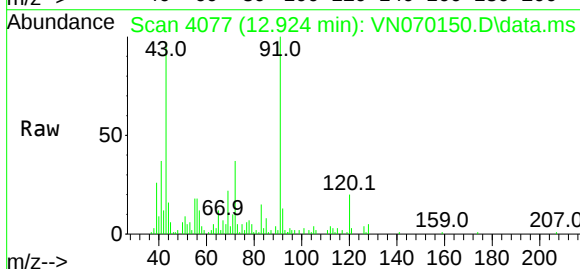
Acq: 16 Dec 2021 20:31

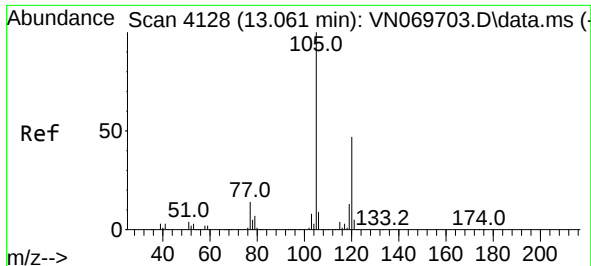
Tgt Ion: 91 Resp: 35964

Ion Ratio Lower Upper

91 100

120 22.6 11.9 35.9

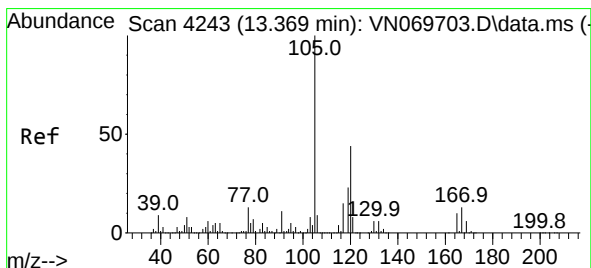
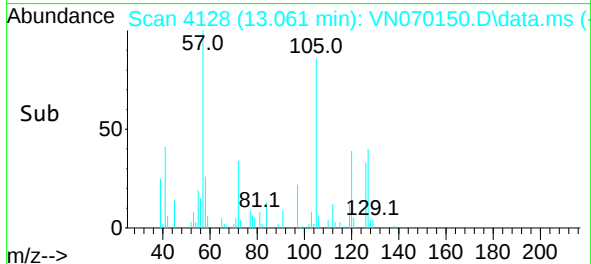
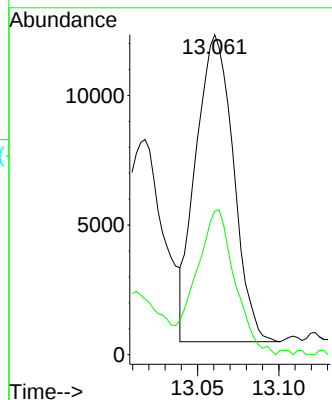
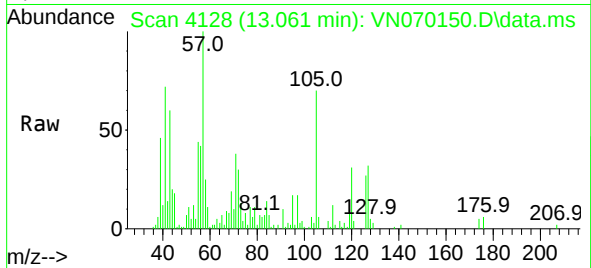




#80
1,3,5-Trimethylbenzene
Concen: 0.492 ug/l
RT: 13.061 min Scan# 4128
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

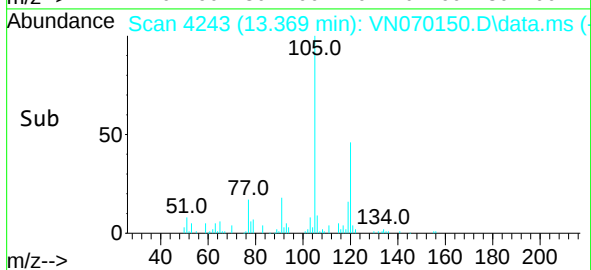
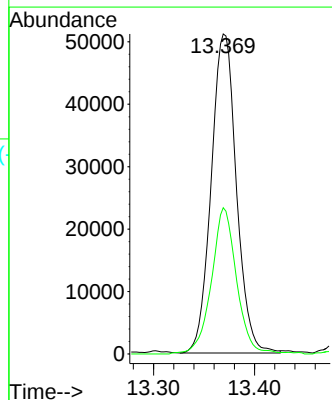
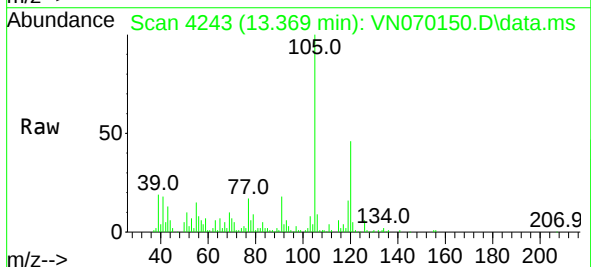
Instrument :
MSVOA_N
ClientSampleId :
211215028-VOA-02

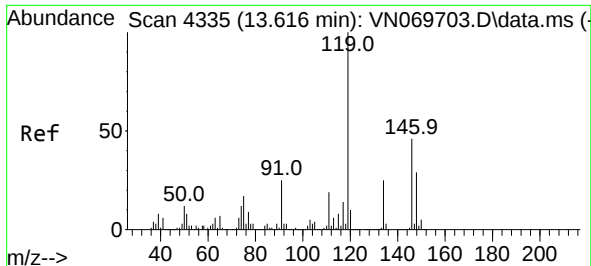
Tgt Ion:105 Resp: 19016
Ion Ratio Lower Upper
105 100
120 48.7 24.6 73.6



#84
1,2,4-Trimethylbenzene
Concen: 2.409 ug/l
RT: 13.369 min Scan# 4243
Delta R.T. 0.000 min
Lab File: VN070150.D
Acq: 16 Dec 2021 20:31

Tgt Ion:105 Resp: 88659
Ion Ratio Lower Upper
105 100
120 45.5 22.8 68.4

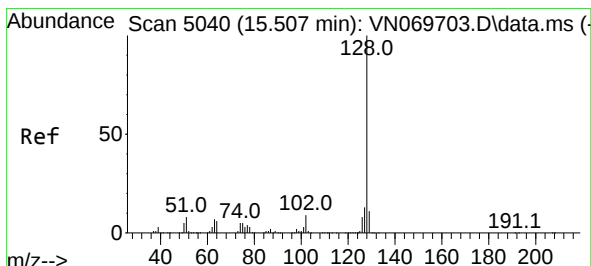
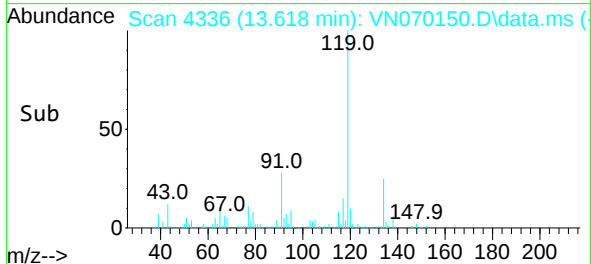
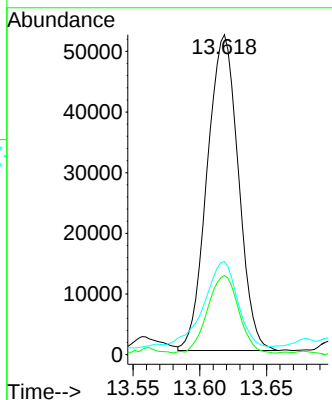
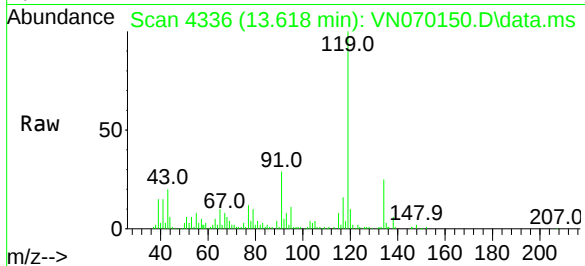




#86
 p-Isopropyltoluene
 Concen: 2.331 ug/l
 RT: 13.618 min Scan# 41
 Delta R.T. 0.003 min
 Lab File: VN070150.D
 Acq: 16 Dec 2021 20:31

Instrument :
 MSVOA_N
 ClientSampleId :
 211215028-VOA-02

Tgt Ion:119 Resp: 84558
 Ion Ratio Lower Upper
 119 100
 134 24.6 13.6 40.7
 91 29.0 11.4 34.1



#95
 Naphthalene
 Concen: 41.606 ug/l
 RT: 15.507 min Scan# 5040
 Delta R.T. -0.000 min
 Lab File: VN070150.D
 Acq: 16 Dec 2021 20:31

Tgt Ion:128 Resp: 1077933
 Ion Ratio Lower Upper
 128 100
 127 13.3 10.5 15.7
 129 11.0 8.7 13.1

