

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070120.D
 Acq On : 15 Dec 2021 18:52
 Operator : JC/MD
 Sample : M4970-12RE
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-1RE

Quant Time: Dec 16 05:41:09 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)

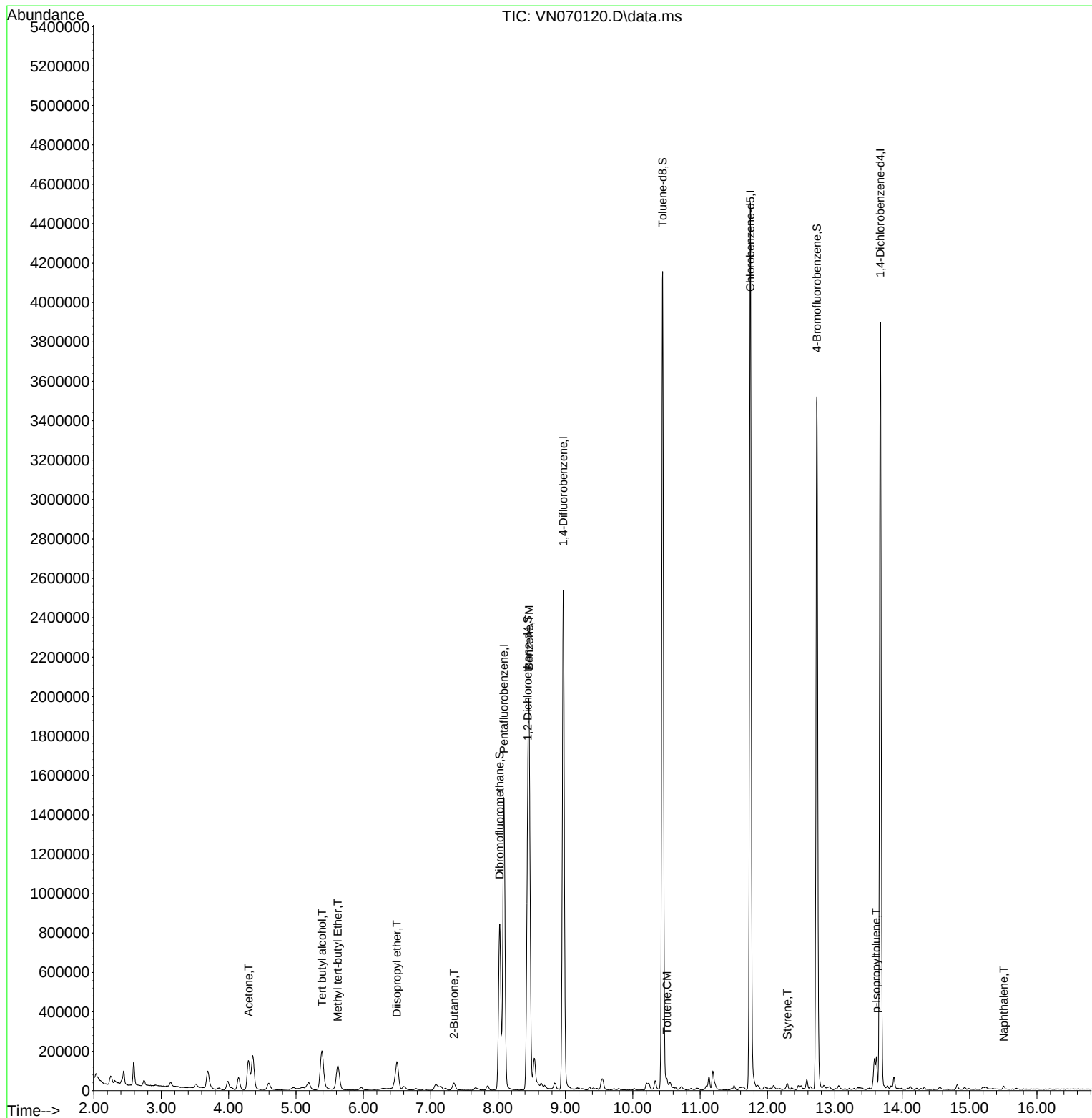
Internal Standards						
1) Pentafluorobenzene	8.086	168	1104306	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2116829	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.747	117	2506603	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1027577	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	889318	52.158	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.320%			
35) Dibromofluoromethane	8.024	113	612010	46.157	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 92.320%			
50) Toluene-d8	10.443	98	2813812	52.851	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 105.700%			
62) 4-Bromofluorobenzene	12.734	95	1237852	64.177	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 128.360%			
Target Compounds					Qvalue	
11) Tert butyl alcohol	5.385	59	342142	106.158	ug/l	99
16) Acetone	4.296	43	290390	28.312	ug/l	98
19) Methyl tert-butyl Ether	5.618	73	184761	4.517	ug/l	96
22) Diisopropyl ether	6.498	45	174692	3.771	ug/l	88
25) 2-Butanone	7.346	43	55378	3.974	ug/l	92
40) Benzene	8.461	78	1527363	24.797	ug/l	99
52) Toluene	10.508	92	12970	0.345	ug/l	98
70) Styrene	12.296	104	14506	0.270	ug/l	93
86) p-Isopropyltoluene	13.616	119	86198	1.248	ug/l #	82
95) Naphthalene	15.507	128	14167	4.245	ug/l	96

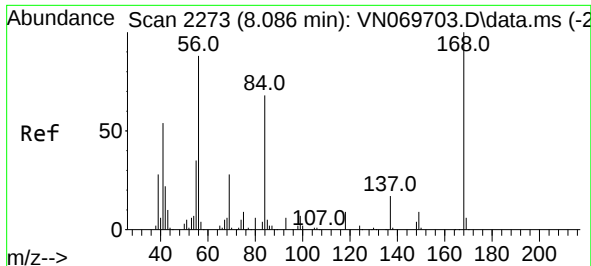
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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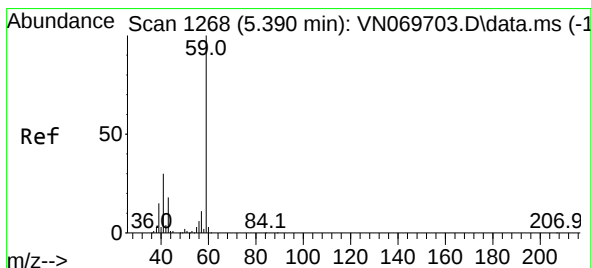
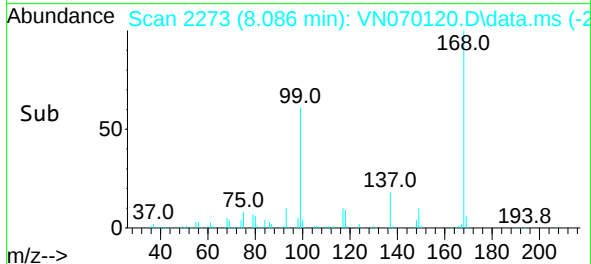
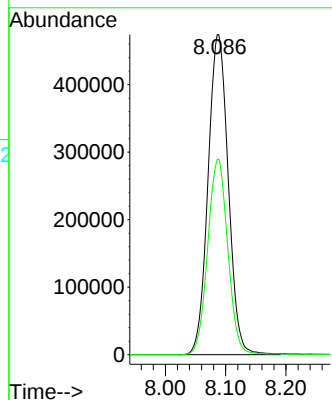
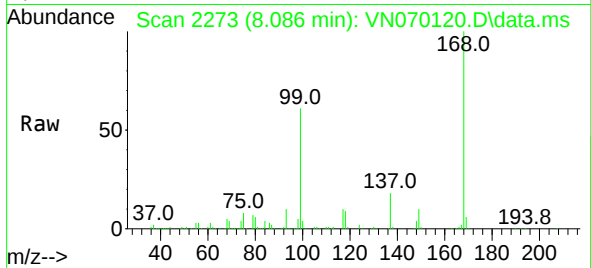




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

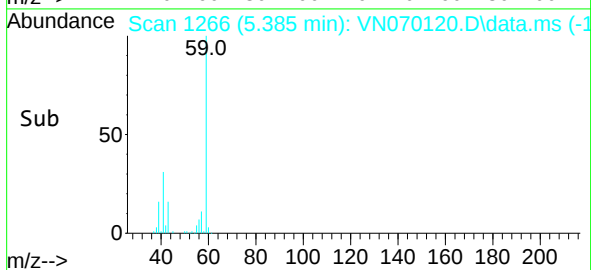
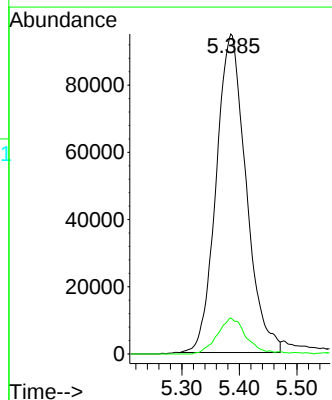
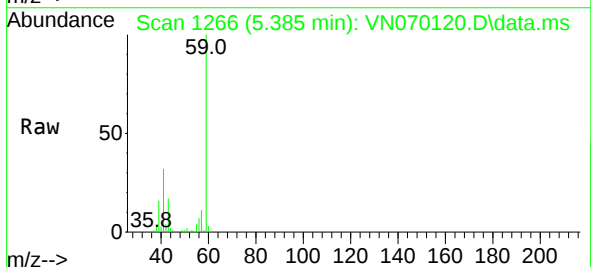
Instrument :
MSVOA_N
ClientSampleId :
SW-1RE

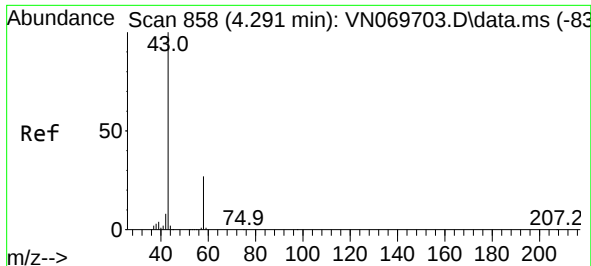
Tgt Ion:168 Resp: 1104306
Ion Ratio Lower Upper
168 100
99 61.0 41.3 61.9



#11
Tert butyl alcohol
Concen: 106.158 ug/l
RT: 5.385 min Scan# 1266
Delta R.T. -0.005 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion: 59 Resp: 342142
Ion Ratio Lower Upper
59 100
57 10.6 8.7 13.1

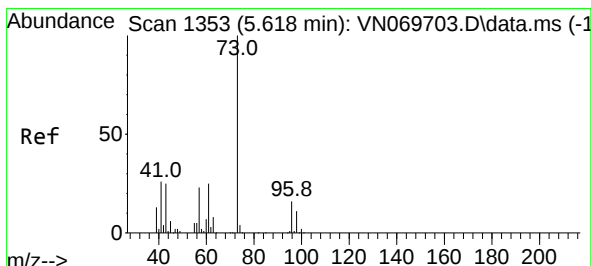
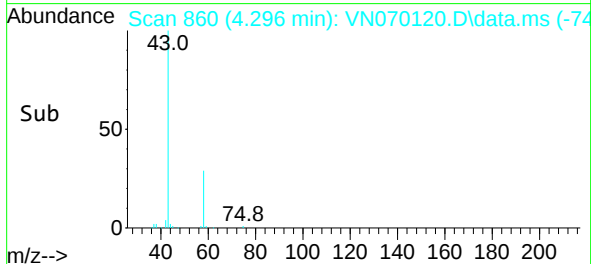
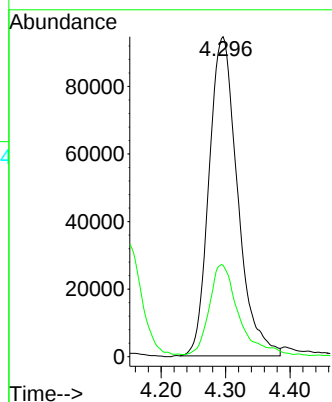
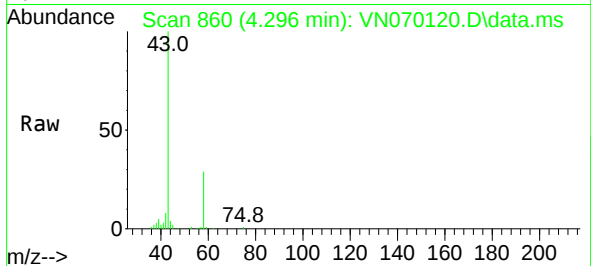




#16
Acetone
Concen: 28.312 ug/l
RT: 4.296 min Scan# 858
Delta R.T. 0.006 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

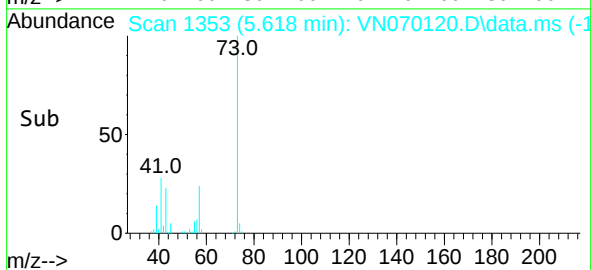
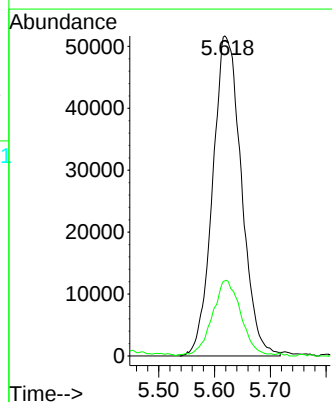
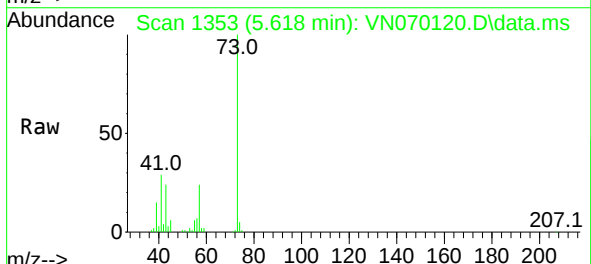
Instrument :
MSVOA_N
ClientSampleId :
SW-1RE

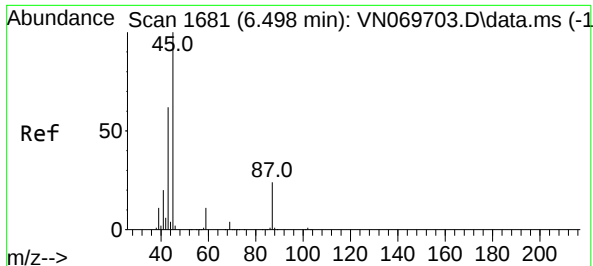
Tgt Ion: 43 Resp: 290390
Ion Ratio Lower Upper
43 100
58 27.9 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 4.517 ug/l
RT: 5.618 min Scan# 1353
Delta R.T. 0.000 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion: 73 Resp: 184761
Ion Ratio Lower Upper
73 100
57 23.1 16.8 25.2

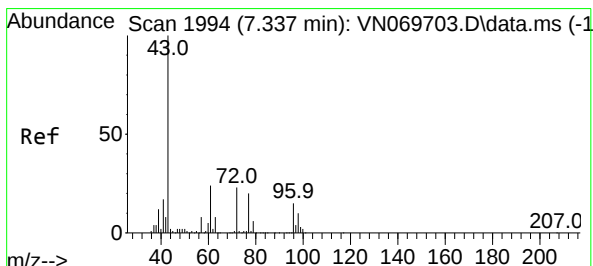
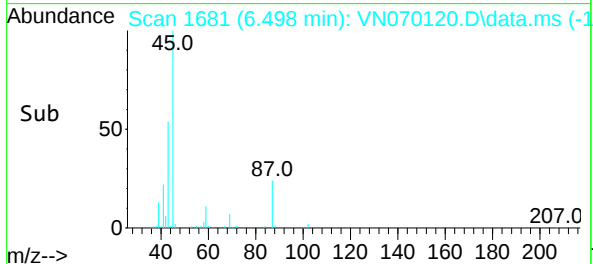
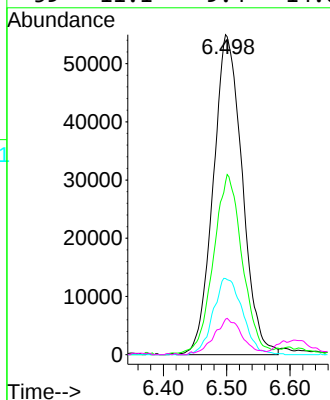
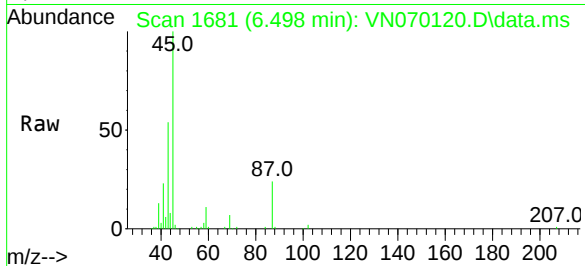




#22
Diisopropyl ether
Concen: 3.771 ug/l
RT: 6.498 min Scan# 1
Delta R.T. 0.000 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

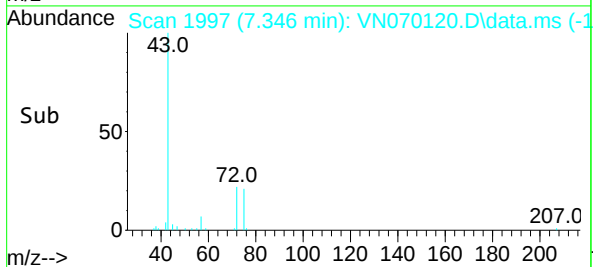
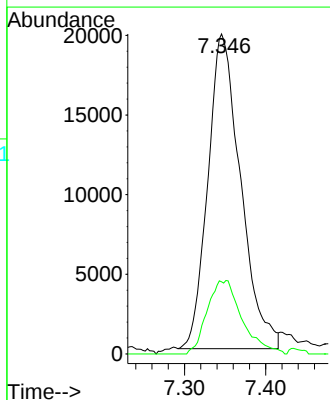
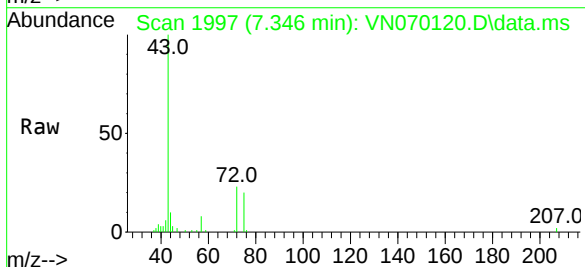
Instrument :
MSVOA_N
ClientSampleId :
SW-1RE

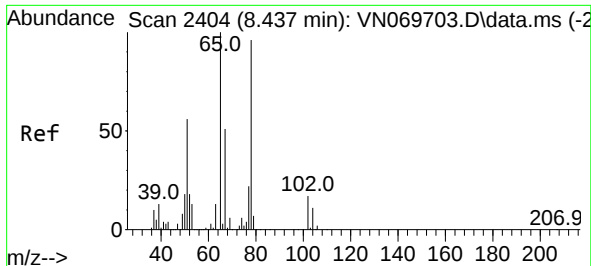
Tgt Ion:	45	Resp:	174692
Ion	Ratio	Lower	Upper
45	100		
43	53.5	51.7	77.5
87	23.8	23.2	34.8
59	11.1	9.4	14.0



#25
2-Butanone
Concen: 3.974 ug/l
RT: 7.346 min Scan# 1997
Delta R.T. 0.008 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion:	43	Resp:	55378
Ion	Ratio	Lower	Upper
43	100		
72	22.9	21.7	32.5





#33

1,2-Dichloroethane-d4

Concen: 52.158 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070120.D

Acq: 15 Dec 2021 18:52

Instrument :

MSVOA_N

ClientSampleId :

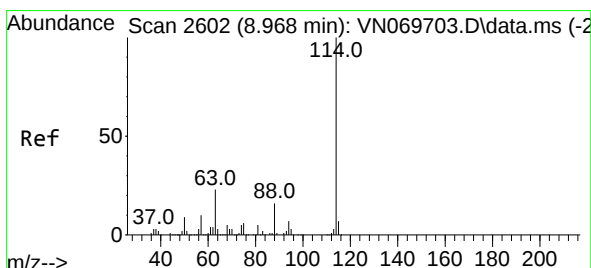
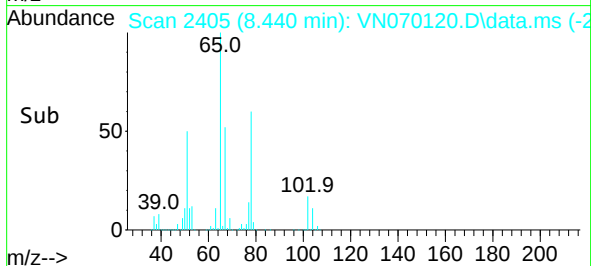
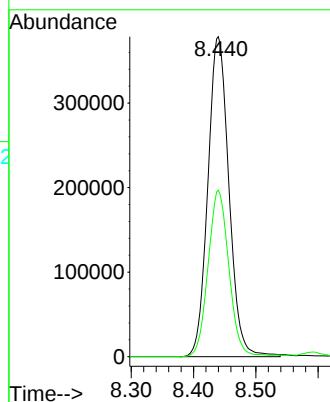
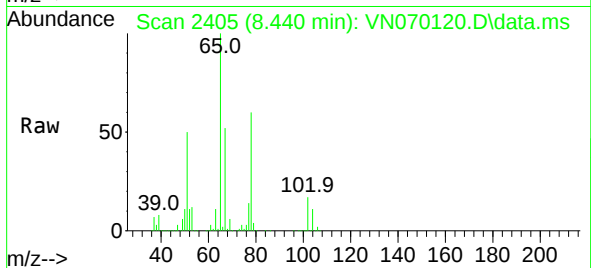
SW-1RE

Tgt Ion: 65 Resp: 889318

Ion Ratio Lower Upper

65 100

67 51.3 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: VN070120.D

Acq: 15 Dec 2021 18:52

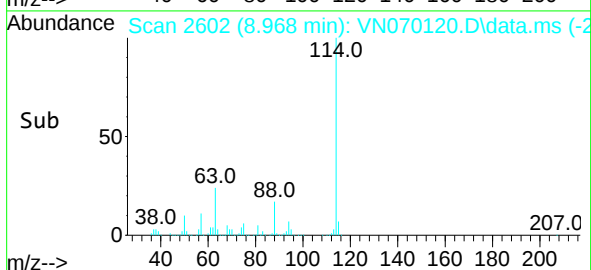
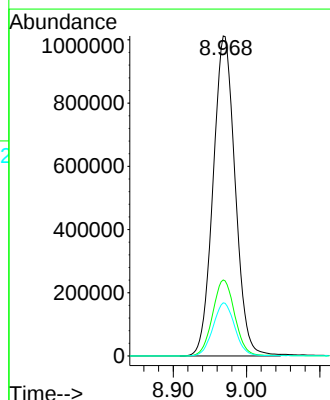
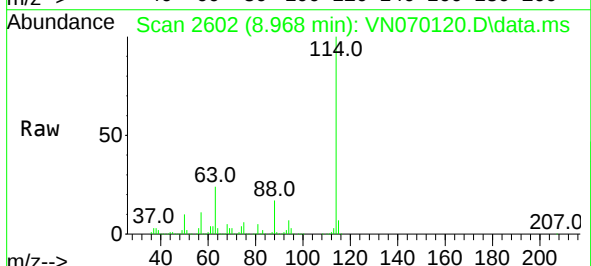
Tgt Ion: 114 Resp: 2116829

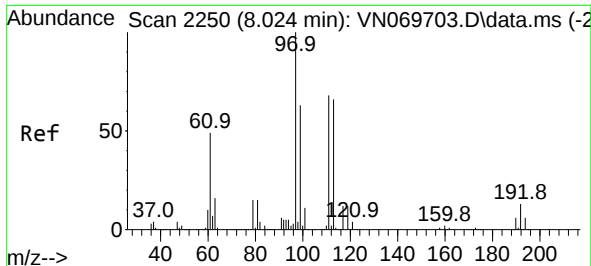
Ion Ratio Lower Upper

114 100

63 23.8 0.0 37.8

88 16.6 0.0 27.4

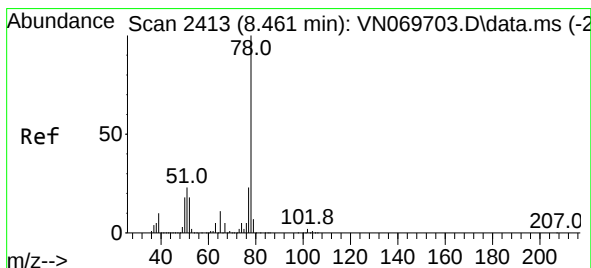
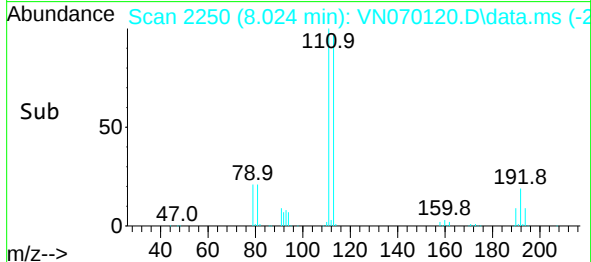
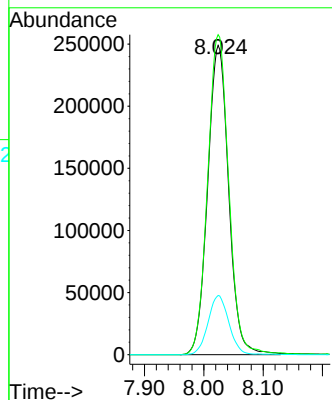
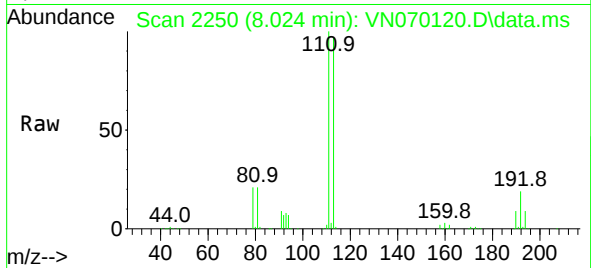




#35
 Dibromofluoromethane
 Concen: 46.157 ug/l
 RT: 8.024 min Scan# 2113
 Delta R.T. 0.000 min
 Lab File: VN070120.D
 Acq: 15 Dec 2021 18:52

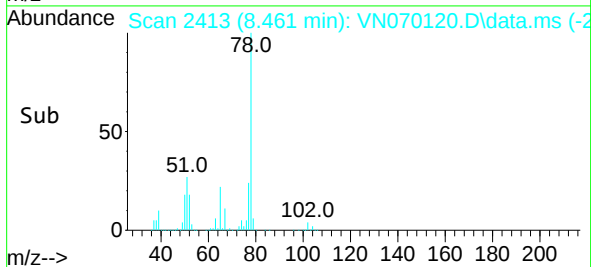
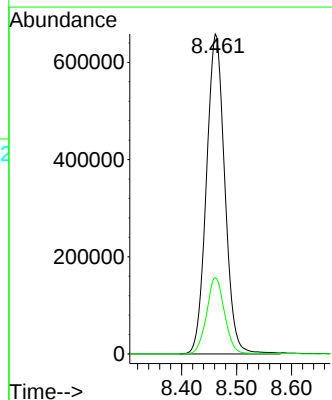
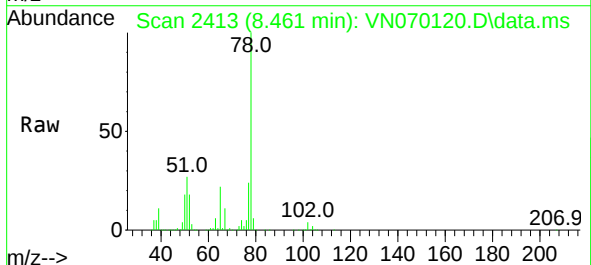
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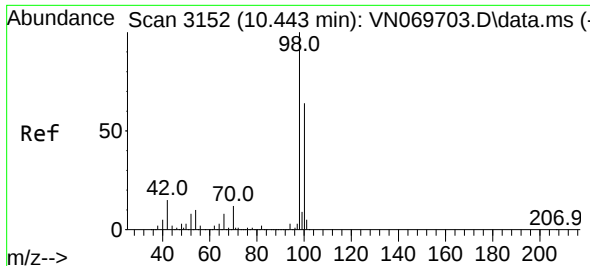
Tgt Ion:113 Resp: 612010
 Ion Ratio Lower Upper
 113 100
 111 103.7 82.2 123.2
 192 18.9 16.9 25.3



#40
 Benzene
 Concen: 24.797 ug/l
 RT: 8.461 min Scan# 2413
 Delta R.T. 0.000 min
 Lab File: VN070120.D
 Acq: 15 Dec 2021 18:52

Tgt Ion: 78 Resp: 1527363
 Ion Ratio Lower Upper
 78 100
 77 23.9 18.6 27.8

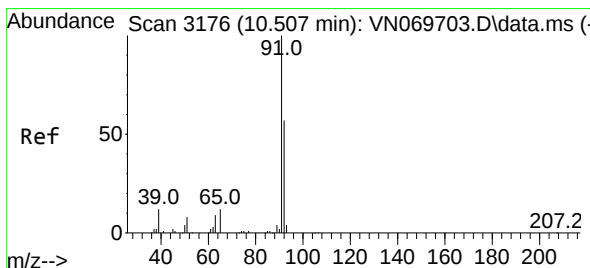
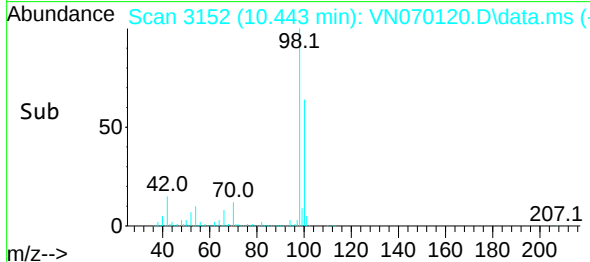
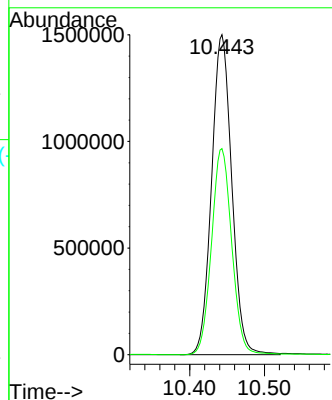
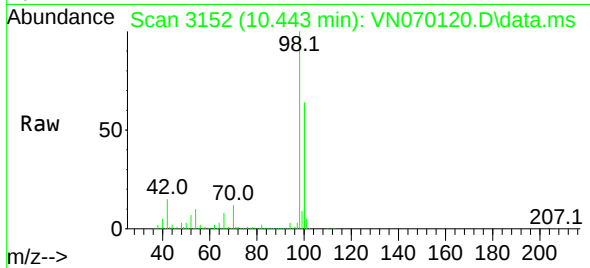




#50
Toluene-d8
Concen: 52.851 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

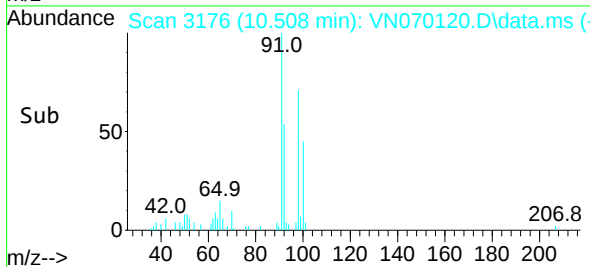
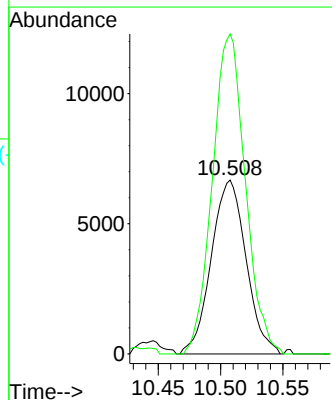
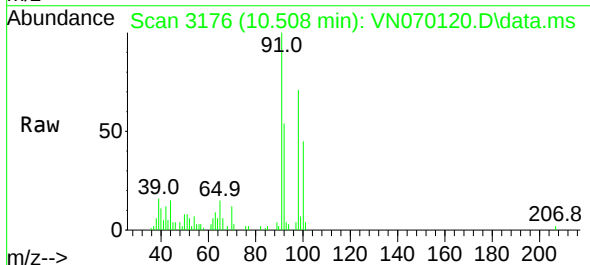
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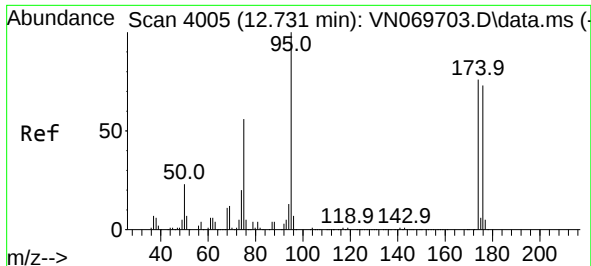
Tgt Ion: 98 Resp: 2813812
Ion Ratio Lower Upper
98 100
100 64.6 50.4 75.6



#52
Toluene
Concen: 0.345 ug/l
RT: 10.508 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion: 92 Resp: 12970
Ion Ratio Lower Upper
92 100
91 174.3 142.0 213.0

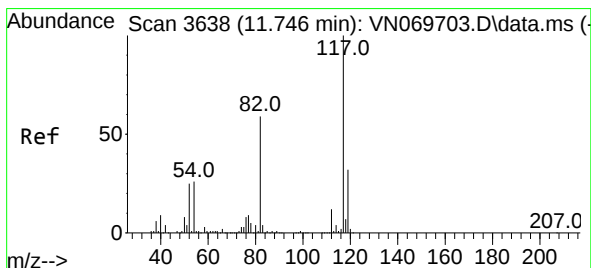
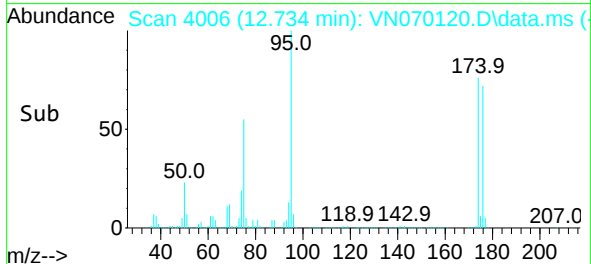
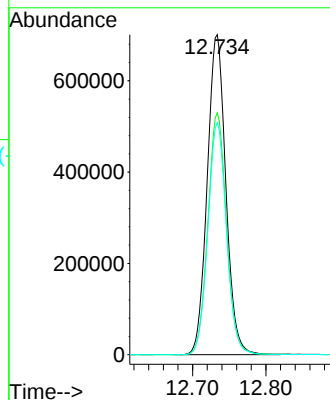
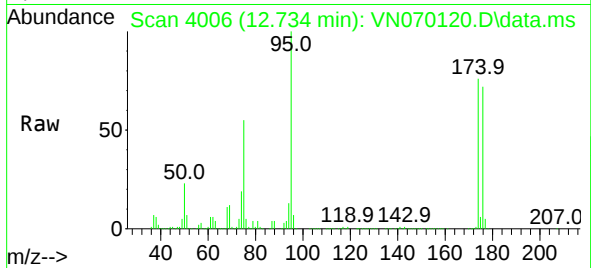




#62
4-Bromofluorobenzene
Concen: 64.177 ug/l
RT: 12.734 min Scan# 4005
Delta R.T. 0.003 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

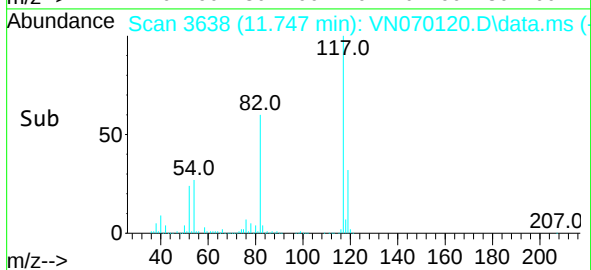
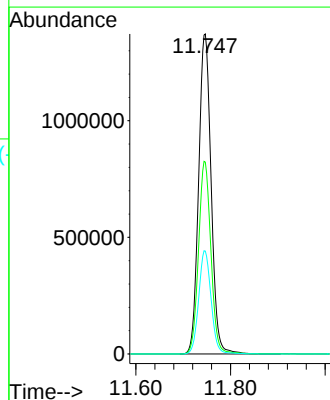
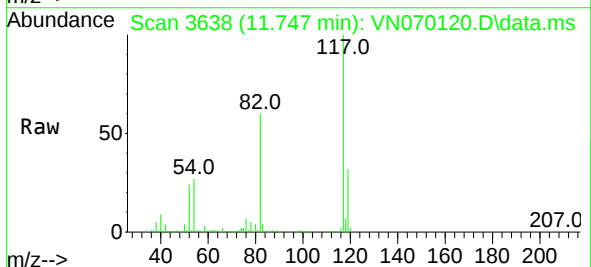
Instrument :
MSVOA_N
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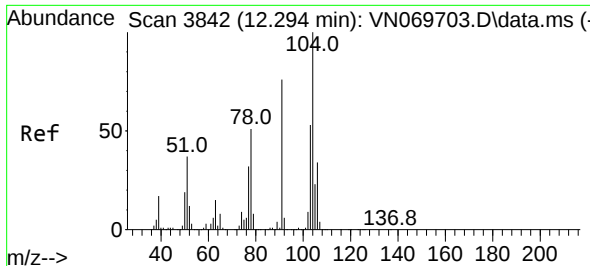
Tgt Ion: 95 Resp: 1237852
Ion Ratio Lower Upper
95 100
174 75.4 0.0 187.2
176 72.4 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.747 min Scan# 3638
Delta R.T. 0.001 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion: 117 Resp: 2506603
Ion Ratio Lower Upper
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82 60.0 42.4 63.6
119 32.2 25.4 38.2

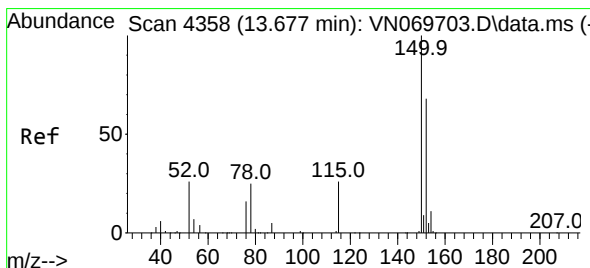
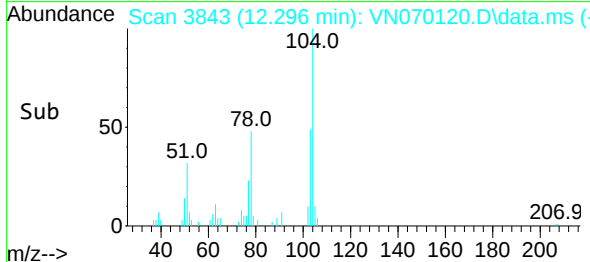
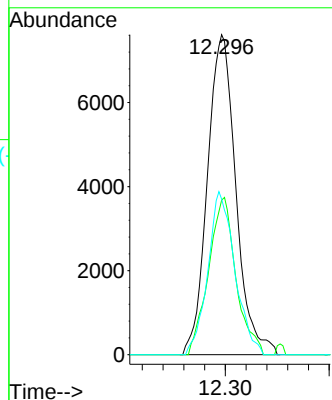
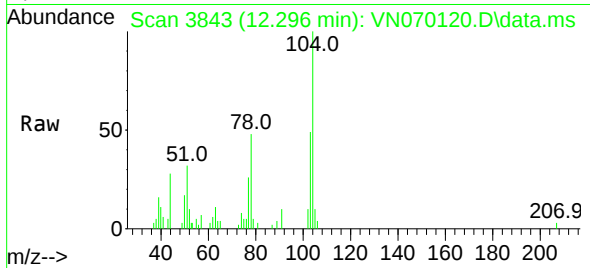




#70
Styrene
Concen: 0.270 ug/l
RT: 12.296 min Scan# 3842
Delta R.T. 0.002 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

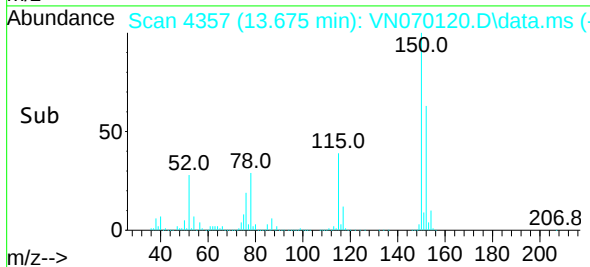
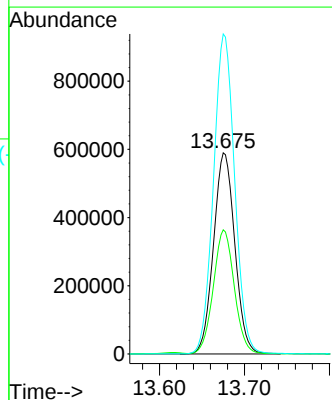
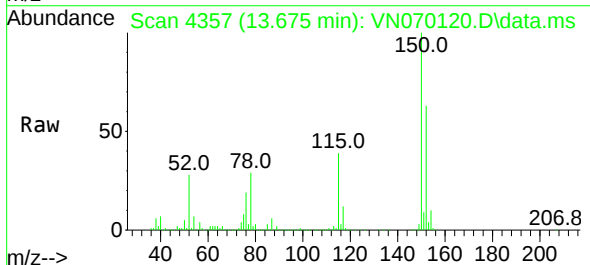
Instrument :
MSVOA_N
ClientSampleId :
SW-1RE

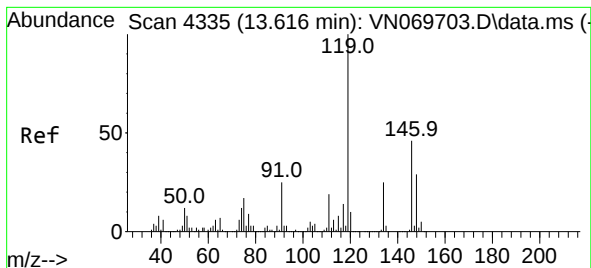
Tgt Ion:104 Resp: 14506
Ion Ratio Lower Upper
104 100
78 47.3 38.7 58.1
103 48.4 45.0 67.6



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.002 min
Lab File: VN070120.D
Acq: 15 Dec 2021 18:52

Tgt Ion:152 Resp: 1027577
Ion Ratio Lower Upper
152 100
115 60.9 27.5 82.5
150 158.3 0.0 344.4





#86

p-Isopropyltoluene

Concen: 1.248 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. 0.000 min

Lab File: VN070120.D

Acq: 15 Dec 2021 18:52

Instrument :

MSVOA_N

ClientSampleId :

SW-1RE

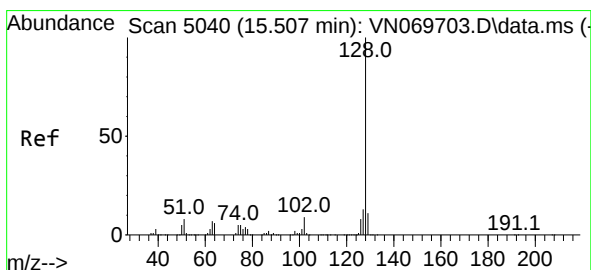
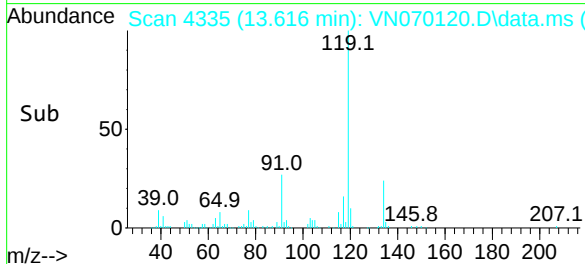
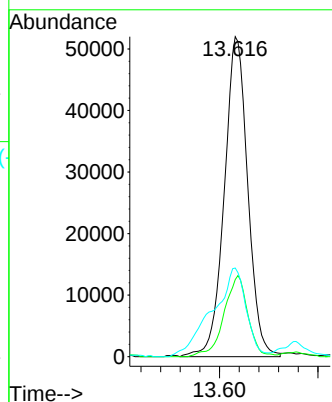
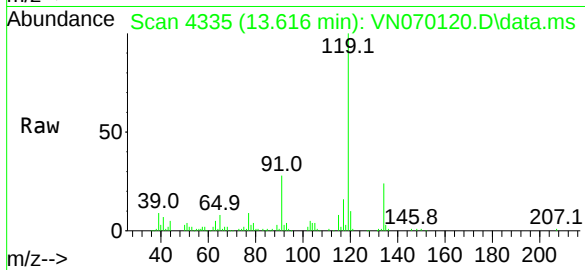
Tgt Ion:119 Resp: 86198

Ion Ratio Lower Upper

119 100

134 25.8 13.6 40.7

91 39.8 11.4 34.1#



#95

Naphthalene

Concen: 4.245 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070120.D

Acq: 15 Dec 2021 18:52

Tgt Ion:128 Resp: 14167

Ion Ratio Lower Upper

128 100

127 11.2 10.5 15.7

129 12.0 8.7 13.1

