

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121521\
 Data File : VN070114.D
 Acq On : 15 Dec 2021 16:18
 Operator : JC/MD
 Sample : M4970-12
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 SW-1

Quant Time: Dec 16 05:39:53 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)

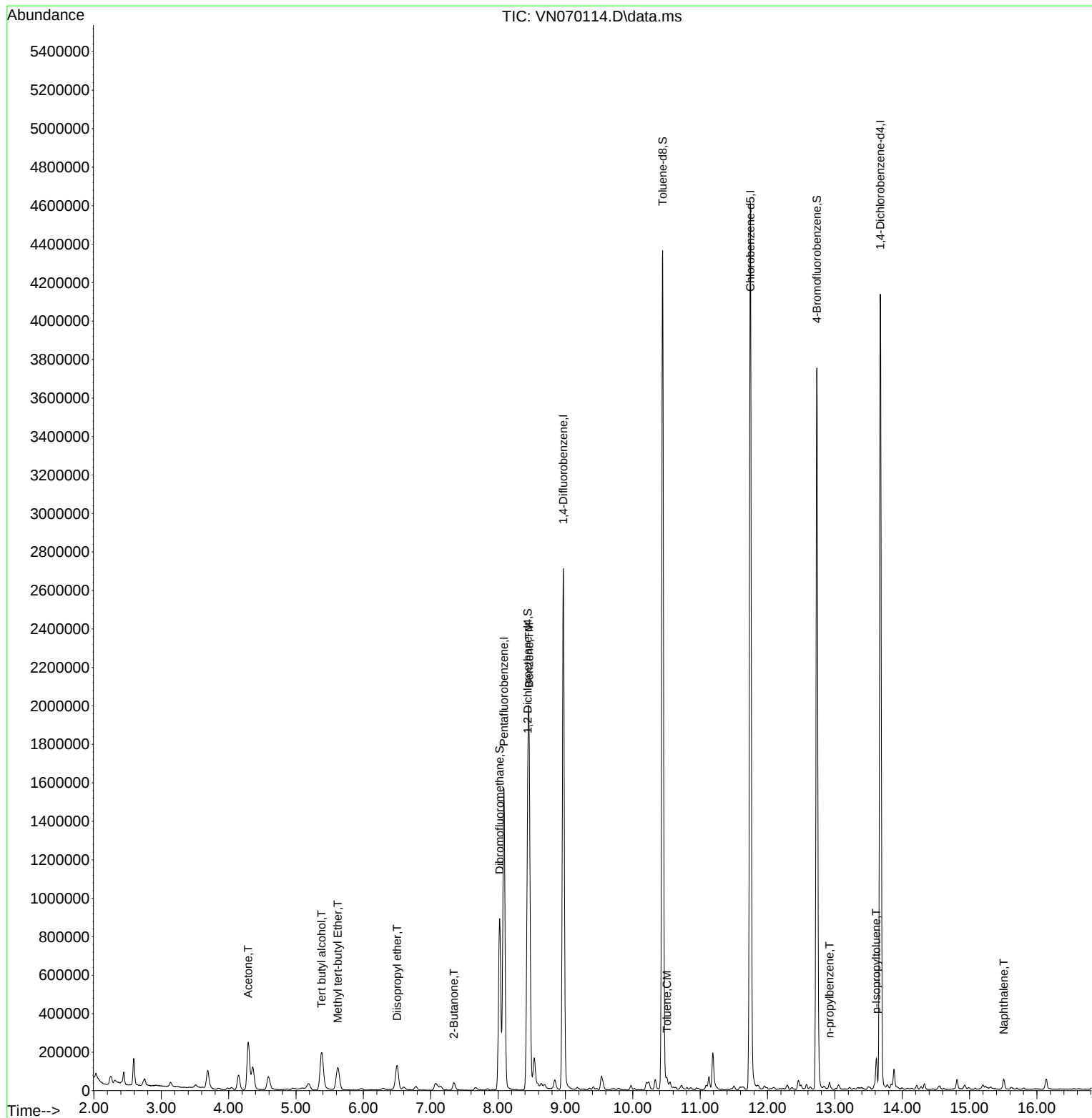
Internal Standards						
1) Pentafluorobenzene	8.088	168	1168251	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	2225097	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	2609013	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	1102649	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	942742	52.265	ug/l	0.00
Spiked Amount	50.000	Range	61 - 141	Recovery	= 104.520%	
35) Dibromofluoromethane	8.024	113	648595	46.536	ug/l	0.00
Spiked Amount	50.000	Range	69 - 133	Recovery	= 93.080%	
50) Toluene-d8	10.443	98	2954470	52.793	ug/l	0.00
Spiked Amount	50.000	Range	65 - 126	Recovery	= 105.580%	
62) 4-Bromofluorobenzene	12.733	95	1325084	65.357	ug/l	0.00
Spiked Amount	50.000	Range	58 - 135	Recovery	= 130.720%	
Target Compounds						
11) Tert butyl alcohol	5.379	59	350412	102.773	ug/l	Qvalue 99
16) Acetone	4.291	43	479394	44.182	ug/l	96
19) Methyl tert-butyl Ether	5.621	73	173100	4.001	ug/l	92
22) Diisopropyl ether	6.500	45	170144	3.471	ug/l #	87
25) 2-Butanone	7.343	43	68434	4.642	ug/l #	89
40) Benzene	8.461	78	1480262	22.863	ug/l	99
52) Toluene	10.507	92	16326	0.413	ug/l	91
78) n-propylbenzene	12.921	91	27113	0.248	ug/l	93
86) p-Isopropyltoluene	13.616	119	87342	1.178	ug/l	94
95) Naphthalene	15.507	128	50916	4.855	ug/l	98

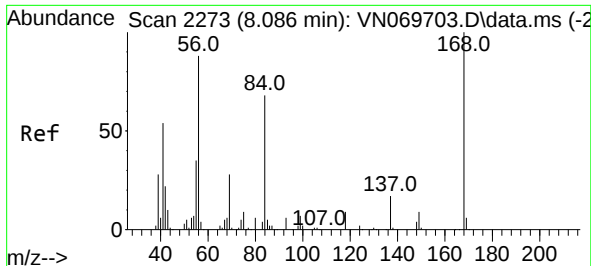
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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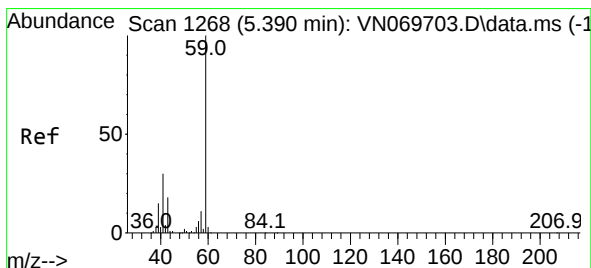
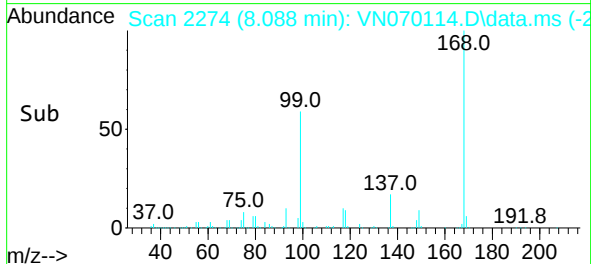
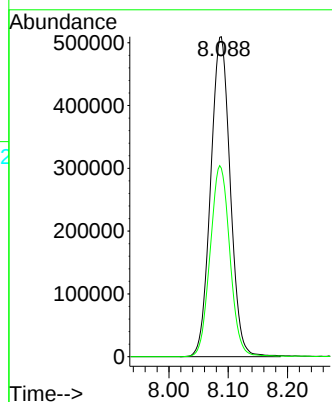
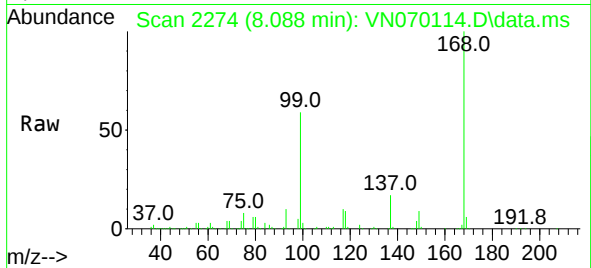




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.088 min Scan# 21
Delta R.T. 0.002 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

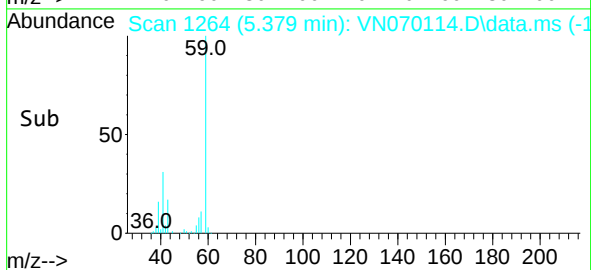
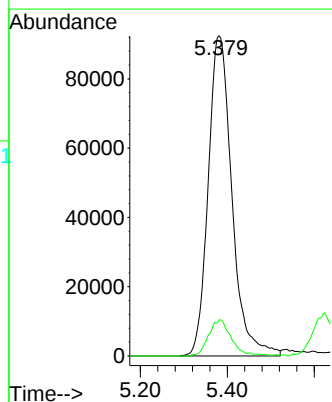
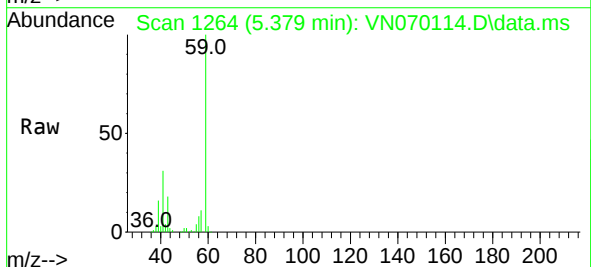
Instrument :
MSVOA_N
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SW-1

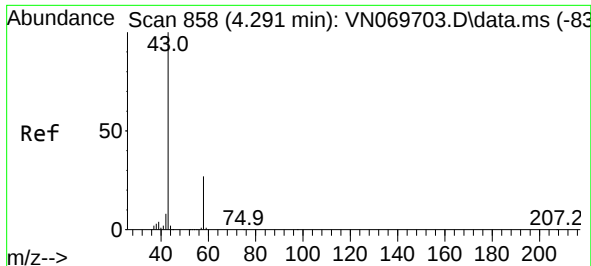
Tgt Ion:168 Resp: 1168251
Ion Ratio Lower Upper
168 100
99 58.9 41.3 61.9



#11
Tert butyl alcohol
Concen: 102.773 ug/l
RT: 5.379 min Scan# 1264
Delta R.T. -0.011 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 59 Resp: 350412
Ion Ratio Lower Upper
59 100
57 10.4 8.7 13.1

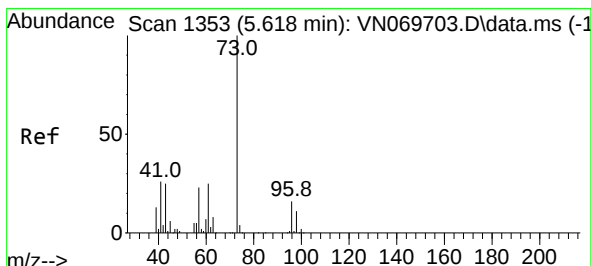
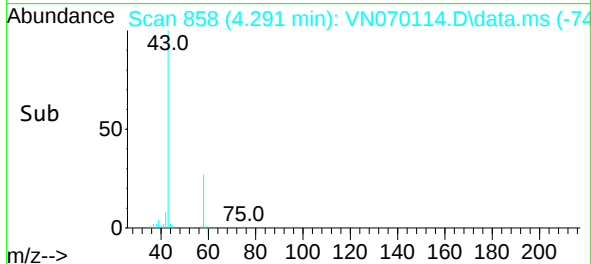
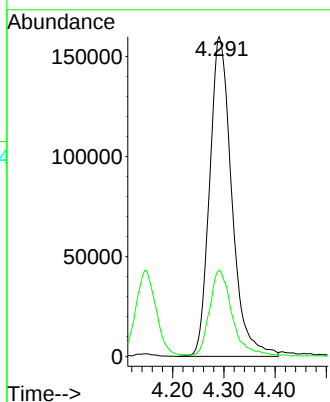
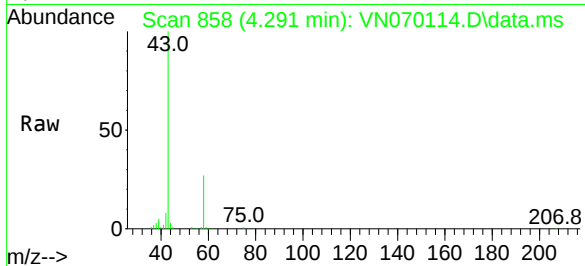




#16
Acetone
Concen: 44.182 ug/l
RT: 4.291 min Scan# 858
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

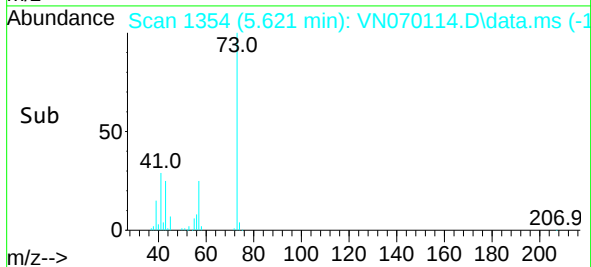
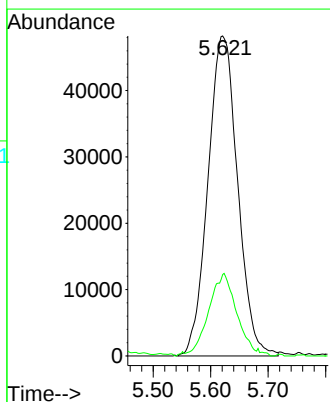
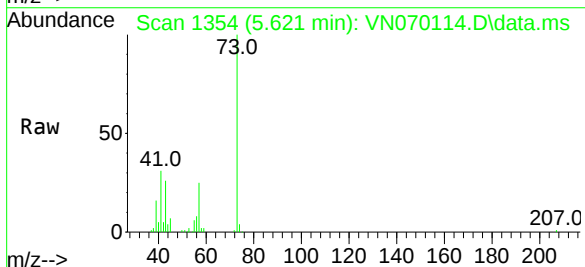
Instrument :
MSVOA_N
ClientSampleId :
SW-1

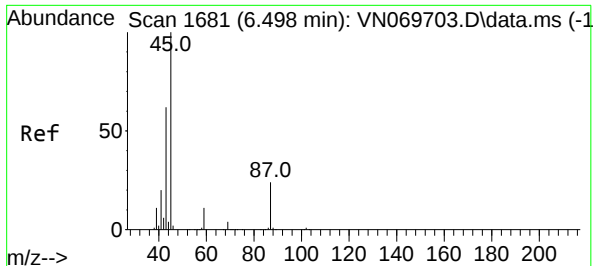
Tgt Ion: 43 Resp: 479394
Ion Ratio Lower Upper
43 100
58 26.6 23.1 34.7



#19
Methyl tert-butyl Ether
Concen: 4.001 ug/l
RT: 5.621 min Scan# 1354
Delta R.T. 0.003 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 73 Resp: 173100
Ion Ratio Lower Upper
73 100
57 25.0 16.8 25.2

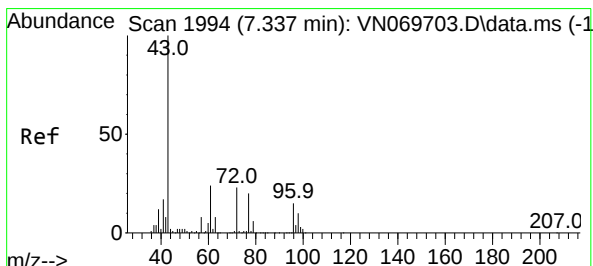
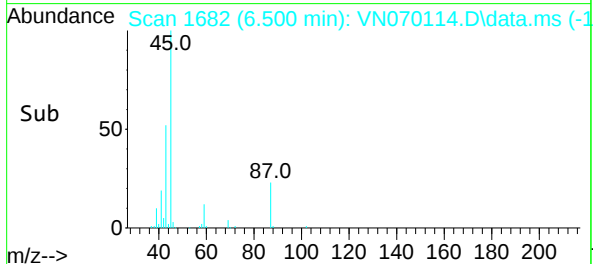
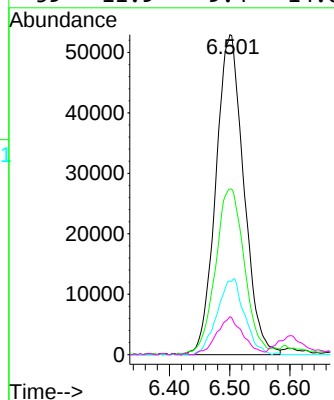
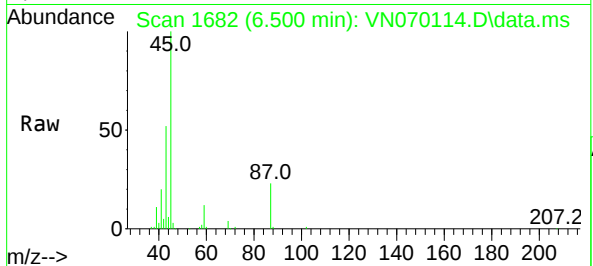




#22
Diisopropyl ether
Concen: 3.471 ug/l
RT: 6.500 min Scan# 1
Delta R.T. 0.003 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

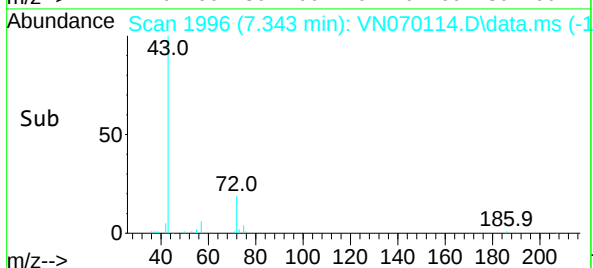
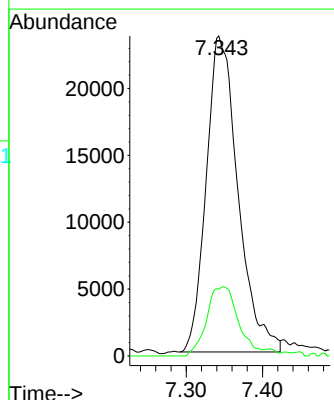
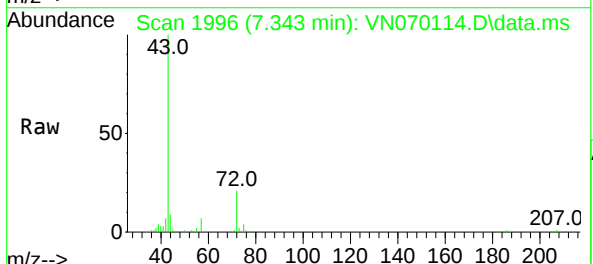
Instrument :
MSVOA_N
ClientSampleId :
SW-1

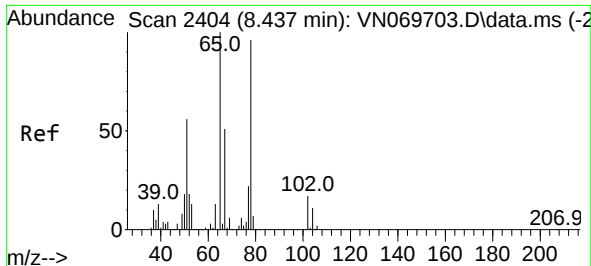
Tgt Ion: 45 Resp: 170144
Ion Ratio Lower Upper
45 100
43 51.4 51.7 77.5#
87 23.0 23.2 34.8#
59 11.9 9.4 14.0



#25
2-Butanone
Concen: 4.642 ug/l
RT: 7.343 min Scan# 1996
Delta R.T. 0.005 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 43 Resp: 68434
Ion Ratio Lower Upper
43 100
72 21.1 21.7 32.5#





#33

1,2-Dichloroethane-d4

Concen: 52.265 ug/l

RT: 8.440 min Scan# 24

Delta R.T. 0.003 min

Lab File: VN070114.D

Acq: 15 Dec 2021 16:18

Instrument :

MSVOA_N

ClientSampleId :

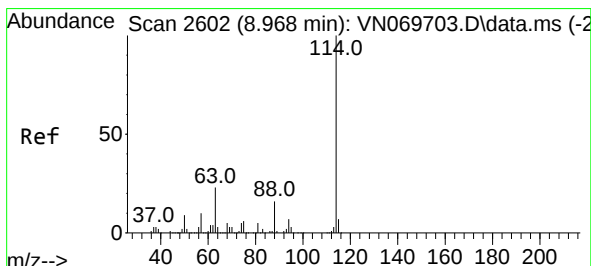
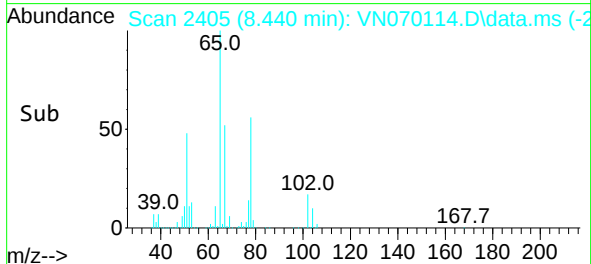
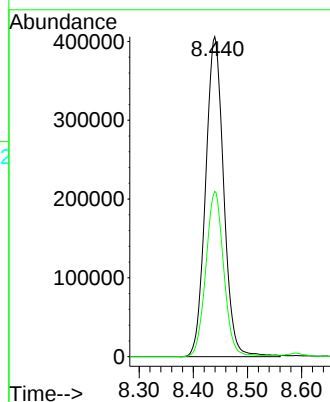
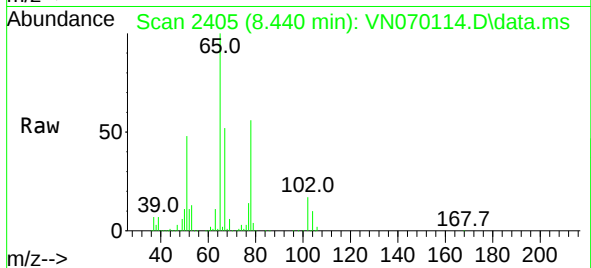
SW-1

Tgt Ion: 65 Resp: 942742

Ion Ratio Lower Upper

65 100

67 50.7 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: VN070114.D

Acq: 15 Dec 2021 16:18

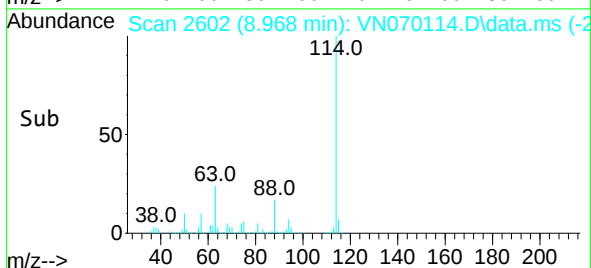
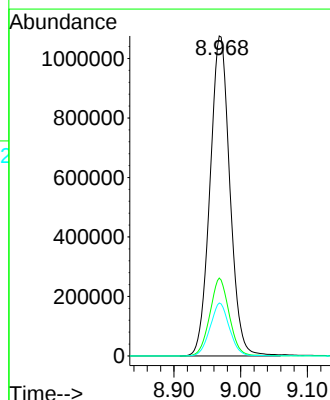
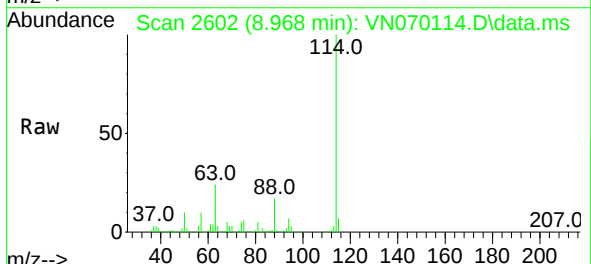
Tgt Ion: 114 Resp: 2225097

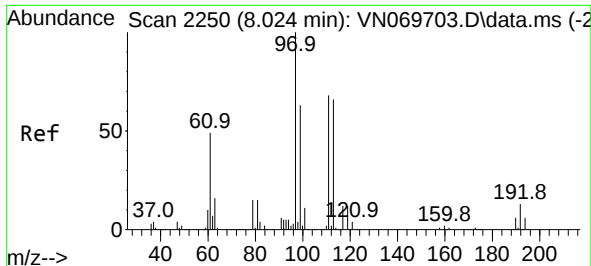
Ion Ratio Lower Upper

114 100

63 24.3 0.0 37.8

88 16.6 0.0 27.4

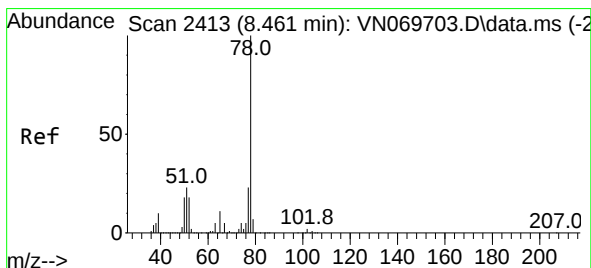
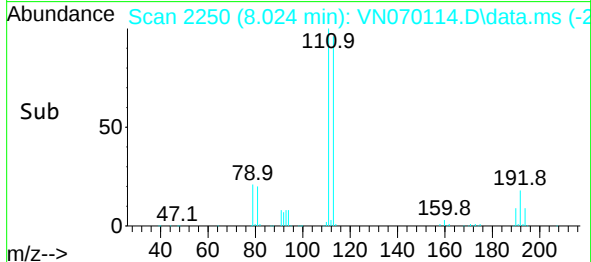
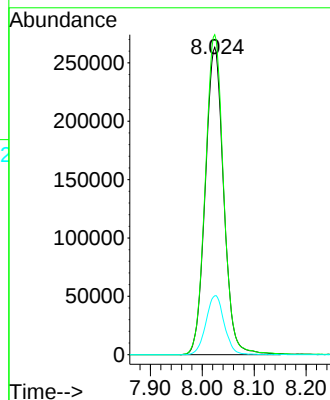
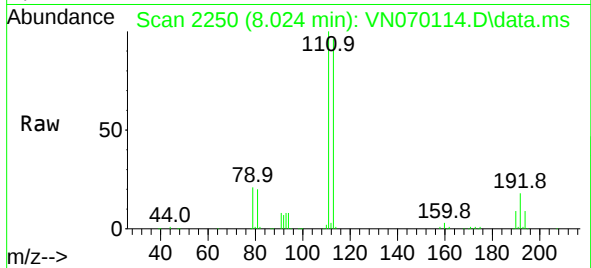




#35
Dibromofluoromethane
Concen: 46.536 ug/l
RT: 8.024 min Scan# 2113
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

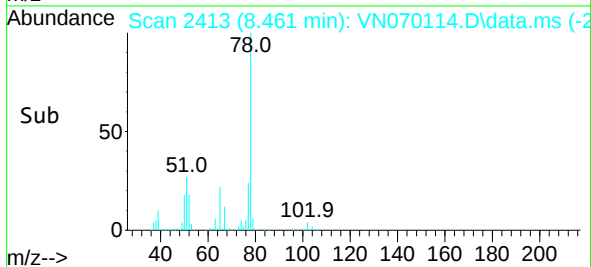
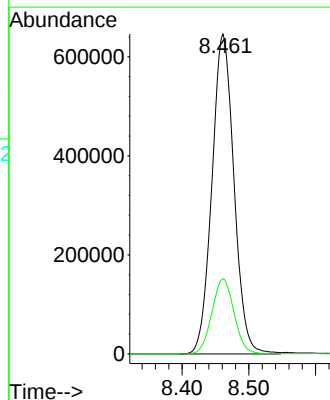
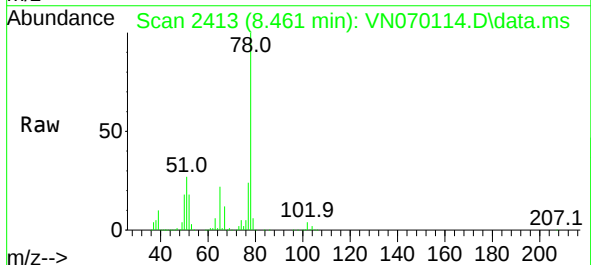
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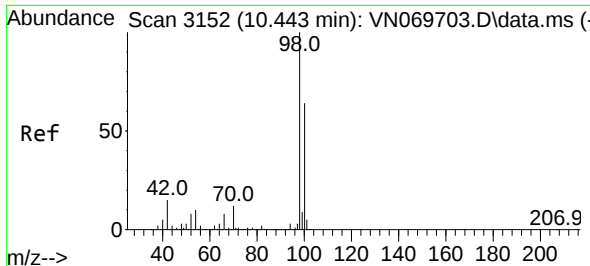
Tgt Ion:113 Resp: 648595
Ion Ratio Lower Upper
113 100
111 103.7 82.2 123.2
192 19.1 16.9 25.3



#40
Benzene
Concen: 22.863 ug/l
RT: 8.461 min Scan# 2413
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 78 Resp: 1480262
Ion Ratio Lower Upper
78 100
77 23.6 18.6 27.8

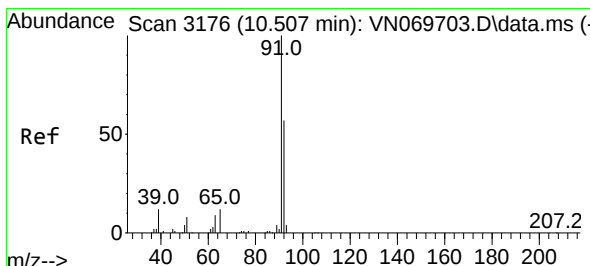
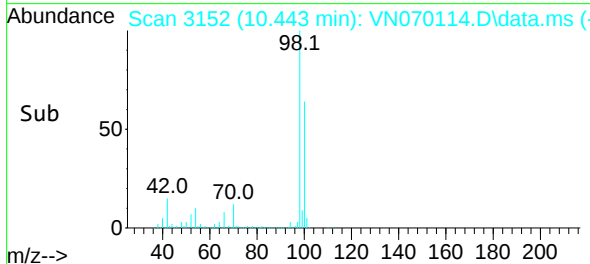
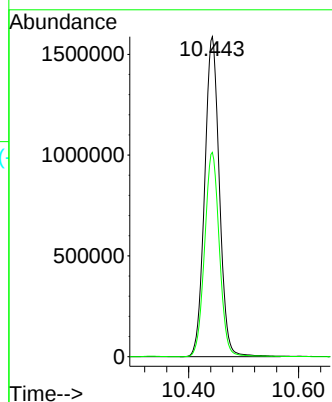
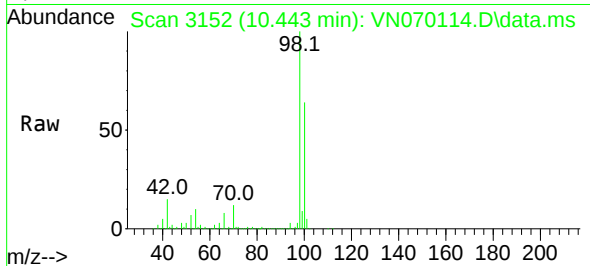




#50
Toluene-d8
Concen: 52.793 ug/l
RT: 10.443 min Scan# 3152
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

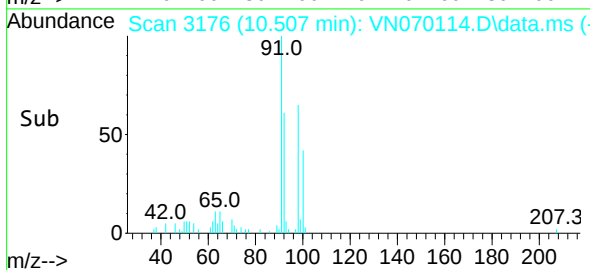
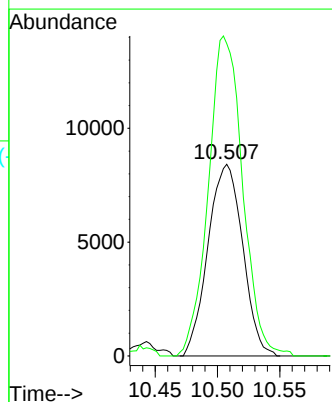
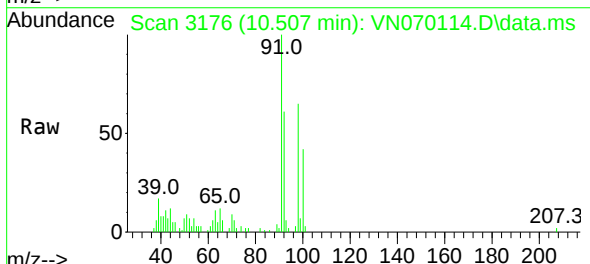
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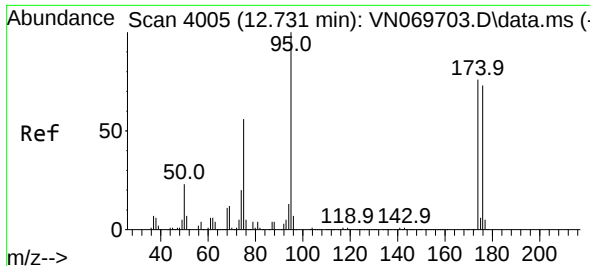
Tgt Ion: 98 Resp: 2954470
Ion Ratio Lower Upper
98 100
100 63.8 50.4 75.6



#52
Toluene
Concen: 0.413 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 92 Resp: 16326
Ion Ratio Lower Upper
92 100
91 165.2 142.0 213.0

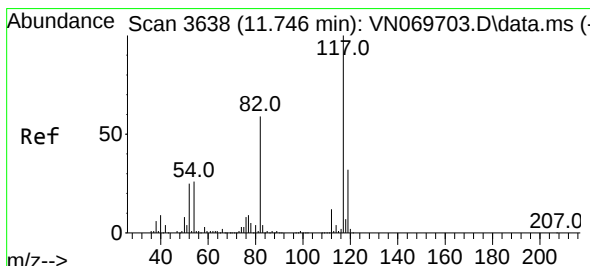
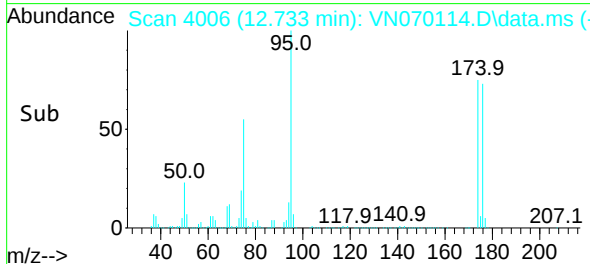
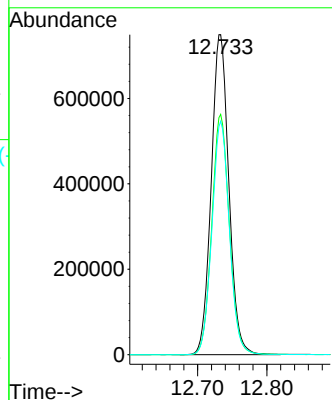
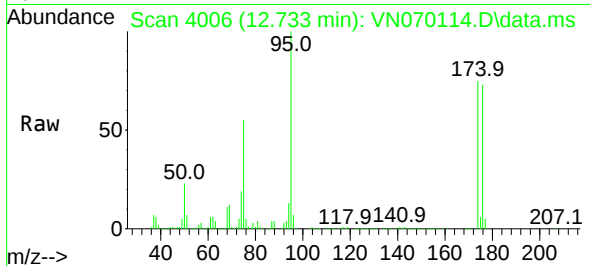




#62
4-Bromofluorobenzene
Concen: 65.357 ug/l
RT: 12.733 min Scan# 4005
Delta R.T. 0.002 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

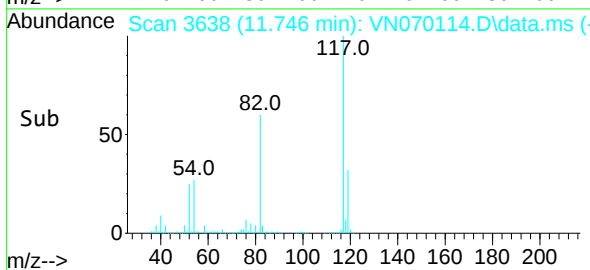
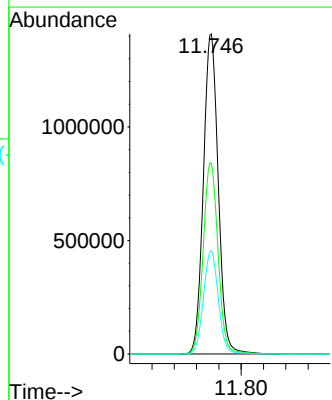
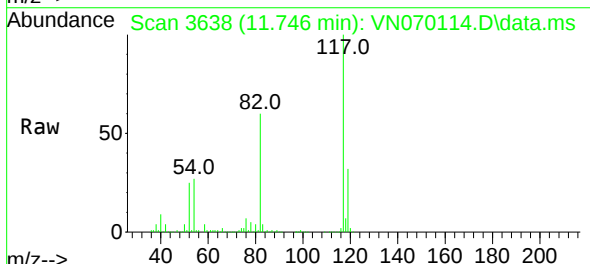
Instrument :
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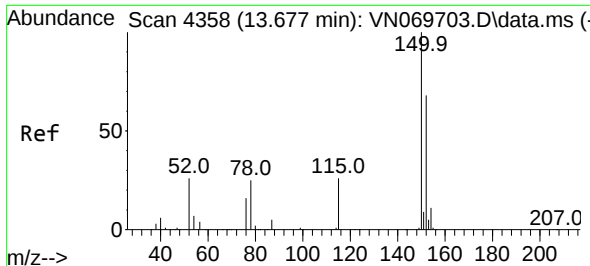
Tgt Ion: 95 Resp: 1325084
Ion Ratio Lower Upper
95 100
174 74.8 0.0 187.2
176 72.2 0.0 181.4



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 117 Resp: 2609013
Ion Ratio Lower Upper
117 100
82 59.6 42.4 63.6
119 32.2 25.4 38.2

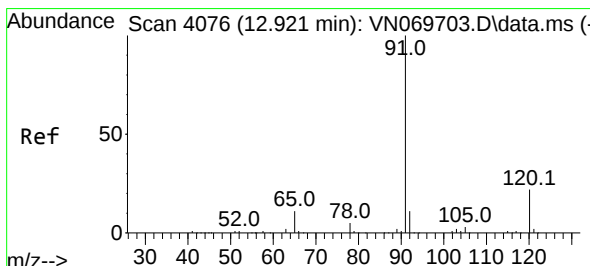
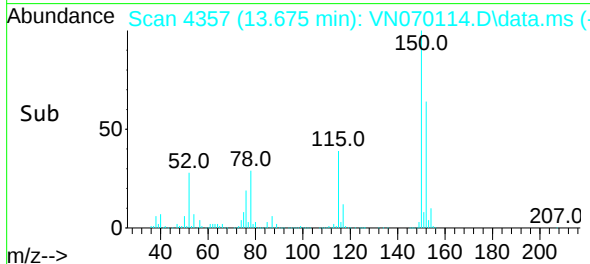
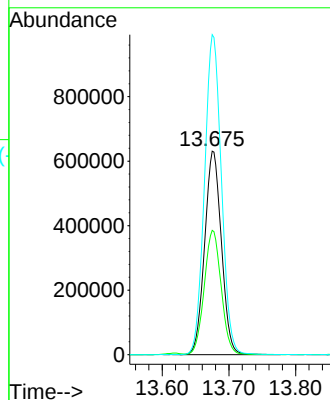
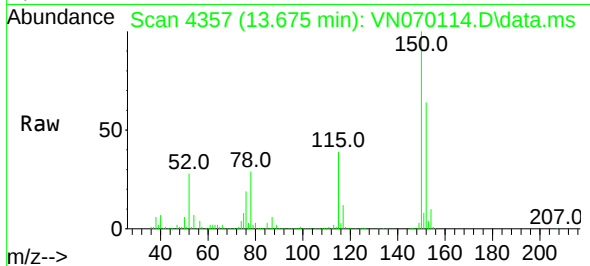




#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.675 min Scan# 4357
Delta R.T. -0.003 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

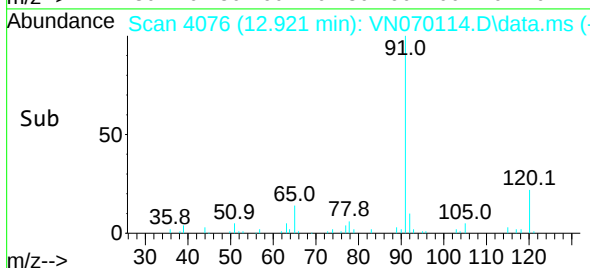
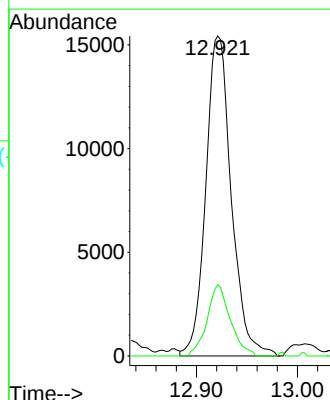
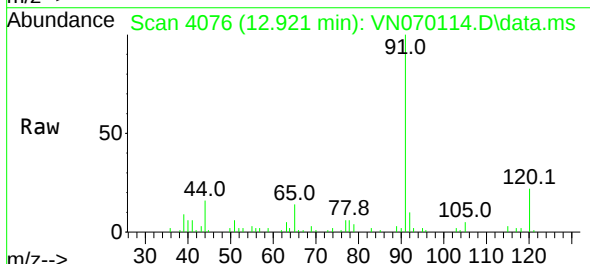
Instrument :
MSVOA_N
ClientSampleId :
SW-1

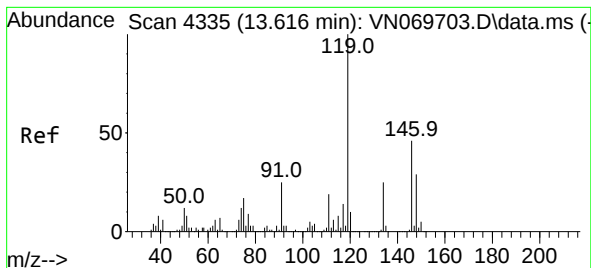
Tgt Ion:152 Resp: 1102649
Ion Ratio Lower Upper
152 100
115 61.0 27.5 82.5
150 158.0 0.0 344.4



#78
n-propylbenzene
Concen: 0.248 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070114.D
Acq: 15 Dec 2021 16:18

Tgt Ion: 91 Resp: 27113
Ion Ratio Lower Upper
91 100
120 20.2 11.9 35.9





#86

p-Isopropyltoluene

Concen: 1.178 ug/l

RT: 13.616 min Scan# 4335

Delta R.T. 0.000 min

Lab File: VN070114.D

Acq: 15 Dec 2021 16:18

Instrument :

MSVOA_N

ClientSampleId :

SW-1

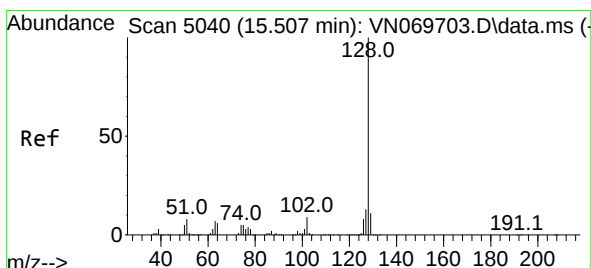
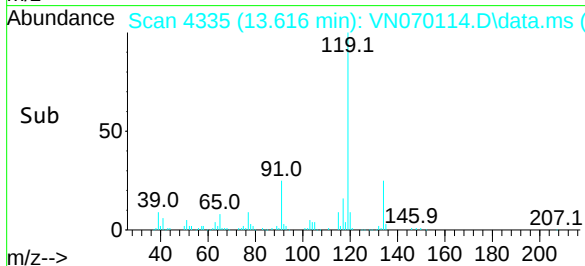
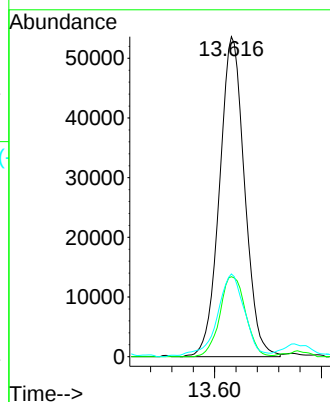
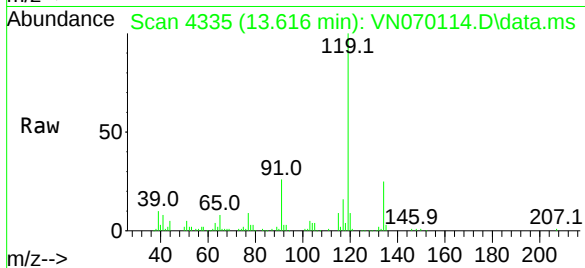
Tgt Ion:119 Resp: 87342

Ion Ratio Lower Upper

119 100

134 25.7 13.6 40.7

91 27.1 11.4 34.1



#95

Naphthalene

Concen: 4.855 ug/l

RT: 15.507 min Scan# 5040

Delta R.T. -0.000 min

Lab File: VN070114.D

Acq: 15 Dec 2021 16:18

Tgt Ion:128 Resp: 50916

Ion Ratio Lower Upper

128 100

127 12.0 10.5 15.7

129 11.1 8.7 13.1

