

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN121721\
 Data File : VN070174.D
 Acq On : 17 Dec 2021 19:35
 Operator : JC/MD
 Sample : M5039-10
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-30

Quant Time: Dec 18 05:48:01 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)

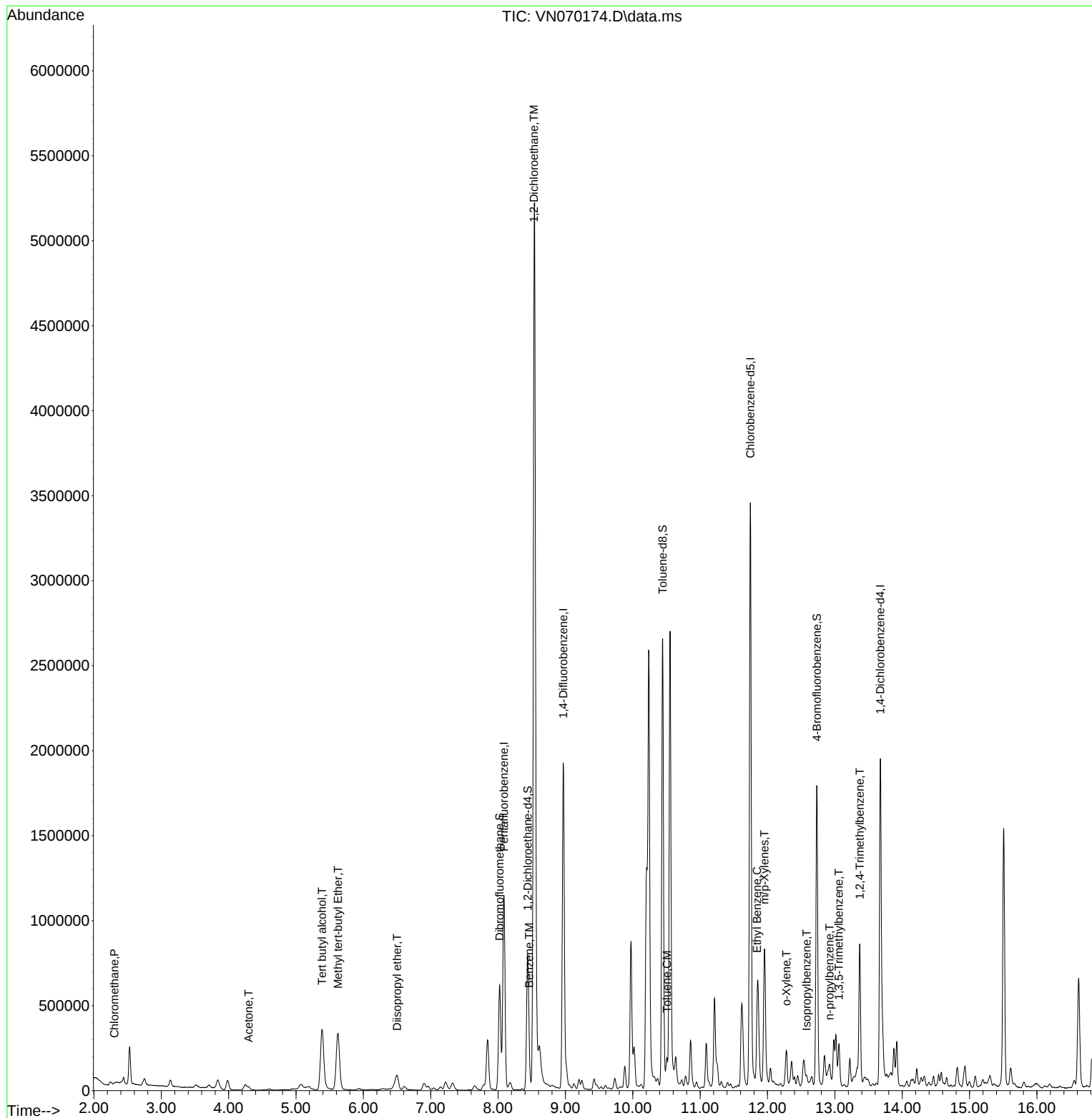
Internal Standards						
1) Pentafluorobenzene	8.086	168	873419	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.968	114	1488399	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.746	117	1336522	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.675	152	504737	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.440	65	683265	50.666	ug/l	0.00
Spiked Amount	50.000	Range 61 - 141	Recovery	= 101.340%		
35) Dibromofluoromethane	8.024	113	443833	47.606	ug/l	0.00
Spiked Amount	50.000	Range 69 - 133	Recovery	= 95.220%		
50) Toluene-d8	10.443	98	1774273	47.396	ug/l	0.00
Spiked Amount	50.000	Range 65 - 126	Recovery	= 94.800%		
62) 4-Bromofluorobenzene	12.733	95	605454	44.644	ug/l	0.00
Spiked Amount	50.000	Range 58 - 135	Recovery	= 89.280%		
Target Compounds						
					Qvalue	
3) Chloromethane	2.303	50	3036	0.238	ug/l	99
11) Tert butyl alcohol	5.388	59	652546	255.990	ug/l	99
16) Acetone	4.296	43	29949	3.692	ug/l	98
19) Methyl tert-butyl Ether	5.624	73	522919	16.165	ug/l	96
22) Diisopropyl ether	6.501	45	106598	2.909	ug/l	88
40) Benzene	8.461	78	42225	0.975	ug/l	94
42) 1,2-Dichloroethane	8.533	62	36342m	2.079	ug/l	
52) Toluene	10.507	92	62848	2.377	ug/l	96
67) Ethyl Benzene	11.846	91	215388	4.373	ug/l	96
68) m/p-Xylenes	11.956	106	236510	13.188	ug/l	93
69) o-Xylene	12.280	106	51128	2.830	ug/l	90
73) Isopropylbenzene	12.581	105	19962	0.445	ug/l	95
78) n-propylbenzene	12.921	91	79274	1.586	ug/l	97
80) 1,3,5-Trimethylbenzene	13.058	105	92940	2.571	ug/l	95
84) 1,2,4-Trimethylbenzene	13.369	105	458468	13.319	ug/l	96

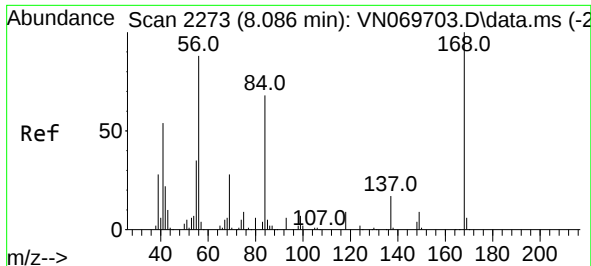
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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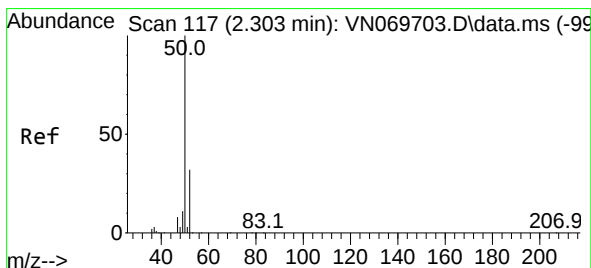
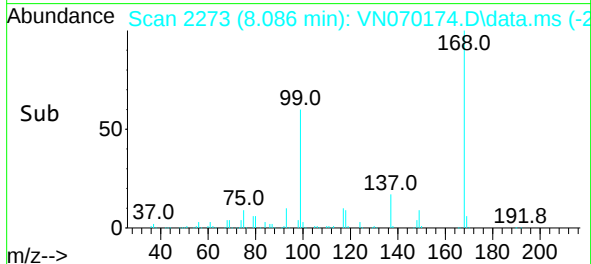
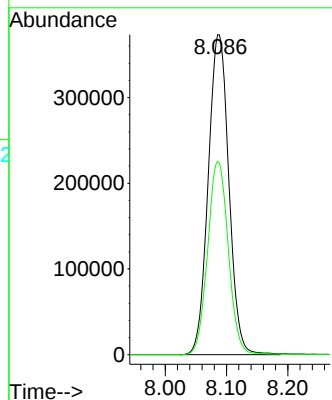
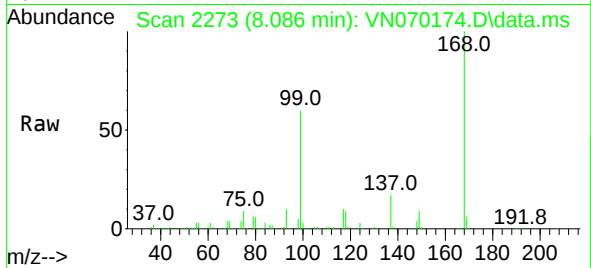




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 8.086 min Scan# 21
Delta R.T. -0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

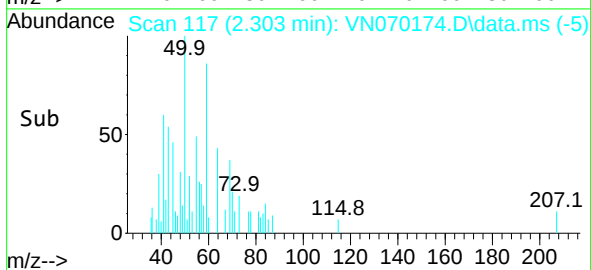
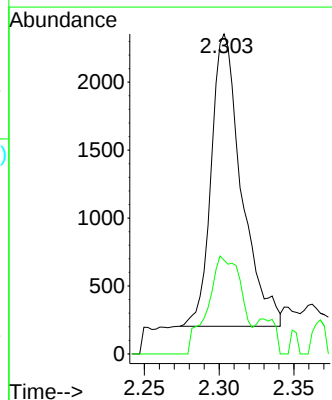
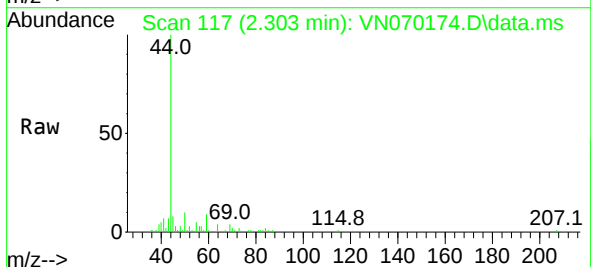
Instrument :
MSVOA_N
ClientSampleId :
MW-30

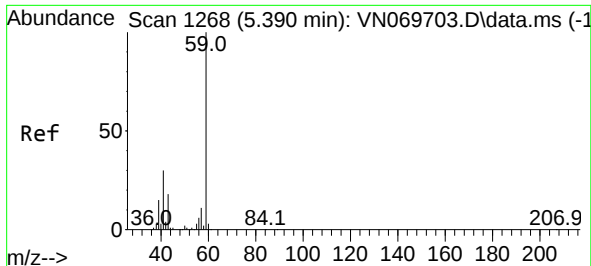
Tgt Ion:168 Resp: 873419
Ion Ratio Lower Upper
168 100
99 60.4 41.3 61.9



#3
Chloromethane
Concen: 0.238 ug/l
RT: 2.303 min Scan# 117
Delta R.T. 0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion: 50 Resp: 3036
Ion Ratio Lower Upper
50 100
52 32.1 25.4 38.0





#11

Tert butyl alcohol

Concen: 255.990 ug/l

RT: 5.388 min Scan# 11

Delta R.T. -0.003 min

Lab File: VN070174.D

Acq: 17 Dec 2021 19:35

Instrument :

MSVOA_N

ClientSampleId :

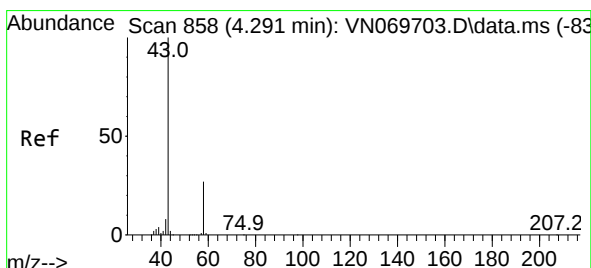
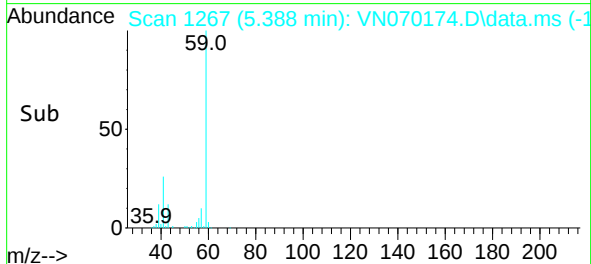
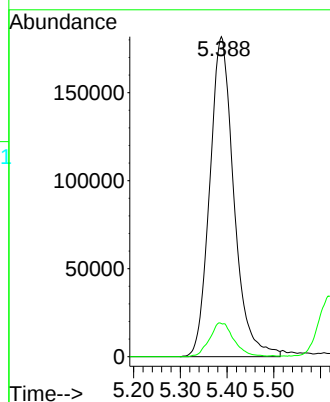
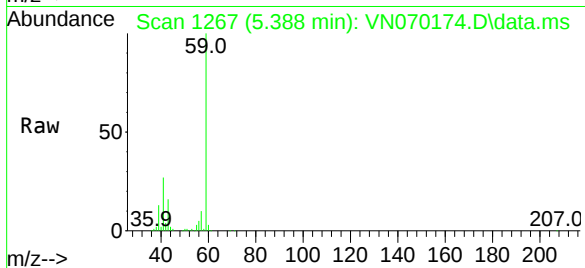
MW-30

Tgt Ion: 59 Resp: 652546

Ion Ratio Lower Upper

59 100

57 10.7 8.7 13.1



#16

Acetone

Concen: 3.692 ug/l

RT: 4.296 min Scan# 860

Delta R.T. 0.005 min

Lab File: VN070174.D

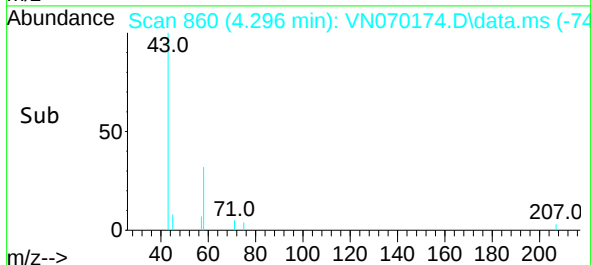
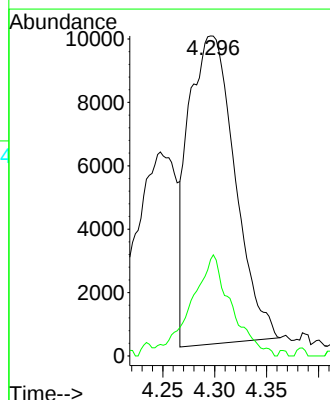
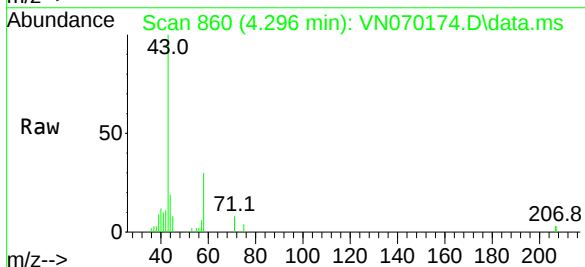
Acq: 17 Dec 2021 19:35

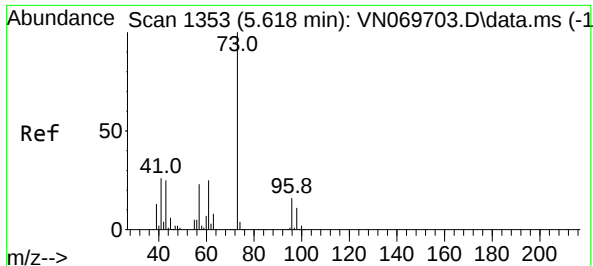
Tgt Ion: 43 Resp: 29949

Ion Ratio Lower Upper

43 100

58 30.1 23.1 34.7

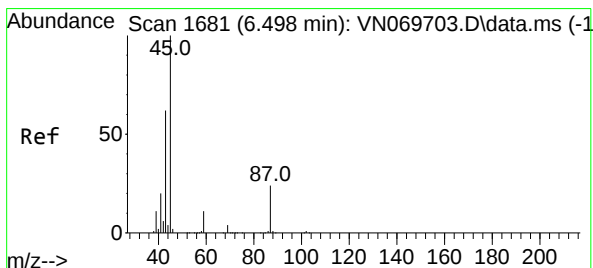
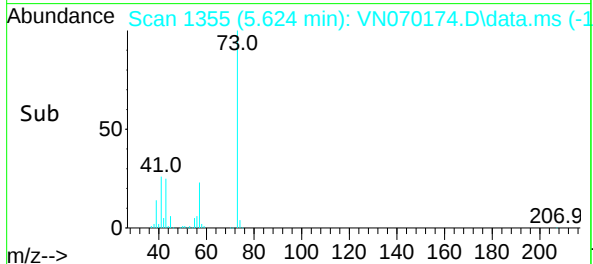
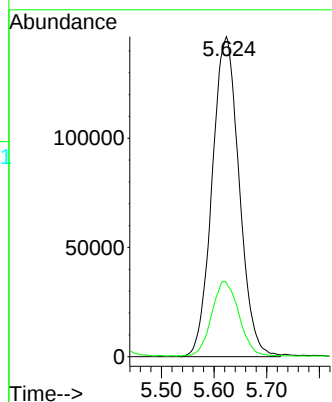
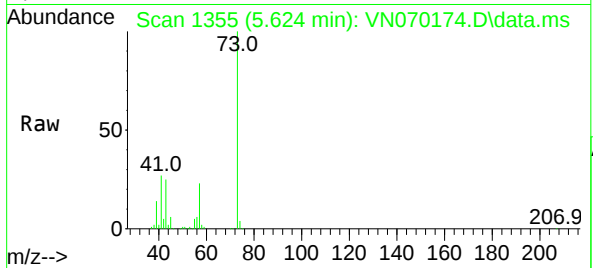




#19
Methyl tert-butyl Ether
Concen: 16.165 ug/l
RT: 5.624 min Scan# 11
Delta R.T. 0.005 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

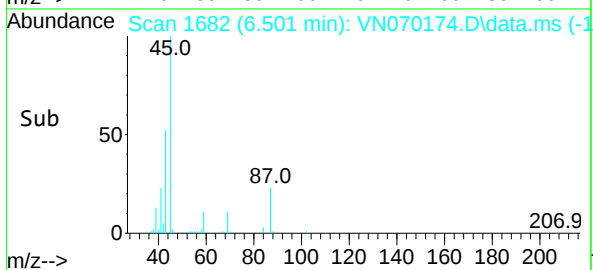
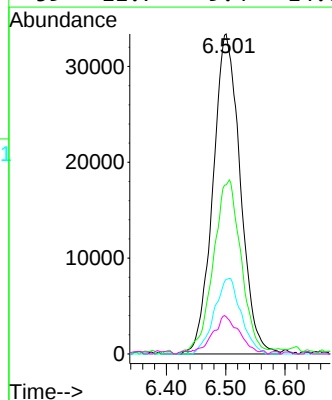
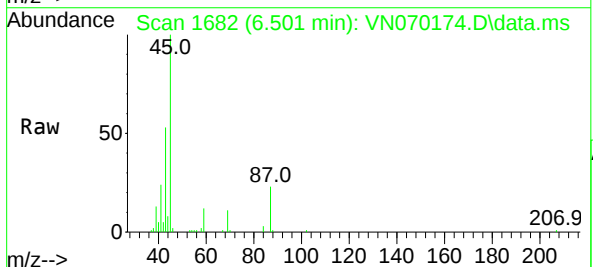
Instrument :
MSVOA_N
ClientSampleId :
MW-30

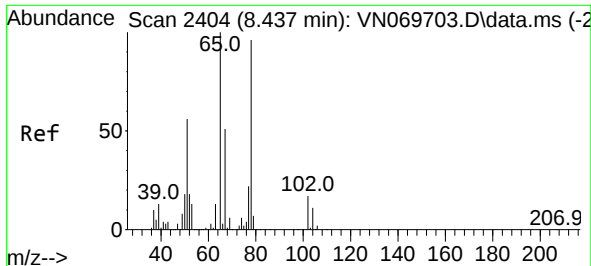
Tgt Ion: 73 Resp: 522919
Ion Ratio Lower Upper
73 100
57 22.8 16.8 25.2



#22
Diisopropyl ether
Concen: 2.909 ug/l
RT: 6.501 min Scan# 1682
Delta R.T. 0.003 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion: 45 Resp: 106598
Ion Ratio Lower Upper
45 100
43 52.9 51.7 77.5
87 23.3 23.2 34.8
59 11.7 9.4 14.0





#33

1,2-Dichloroethane-d4

Concen: 50.666 ug/l

RT: 8.440 min Scan# 2404

Delta R.T. 0.003 min

Lab File: VN070174.D

Acq: 17 Dec 2021 19:35

Instrument :

MSVOA_N

ClientSampleId :

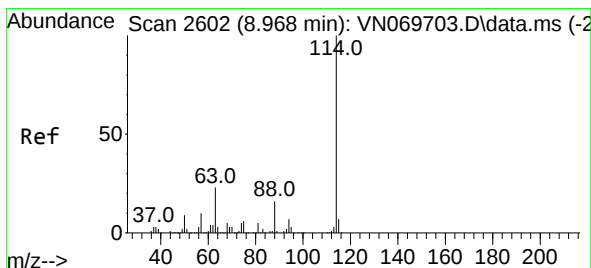
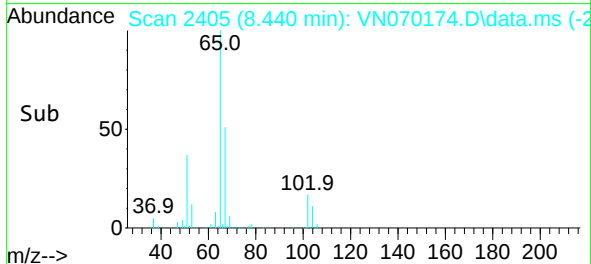
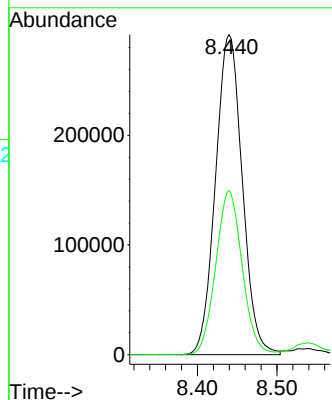
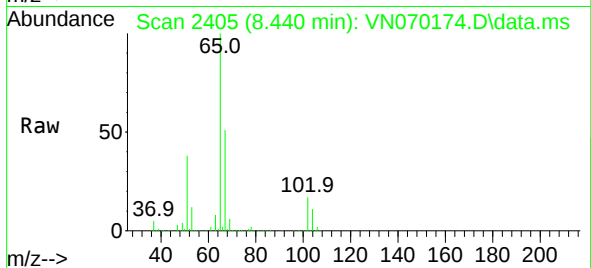
MW-30

Tgt Ion: 65 Resp: 683265

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: VN070174.D

Acq: 17 Dec 2021 19:35

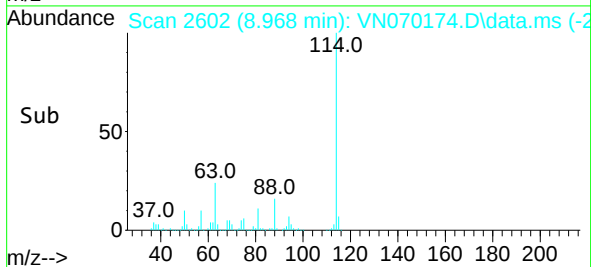
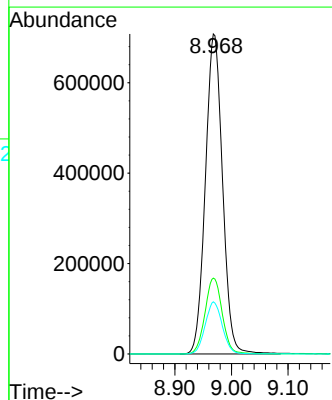
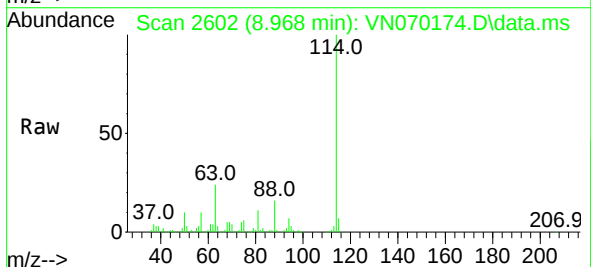
Tgt Ion: 114 Resp: 1488399

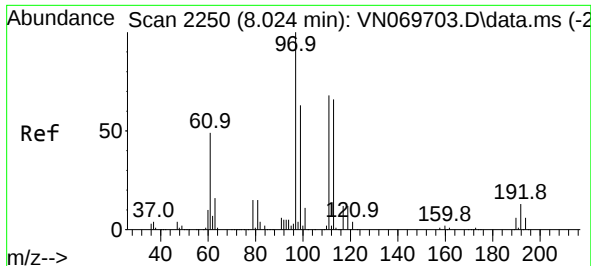
Ion Ratio Lower Upper

114 100

63 23.7 0.0 37.8

88 16.3 0.0 27.4

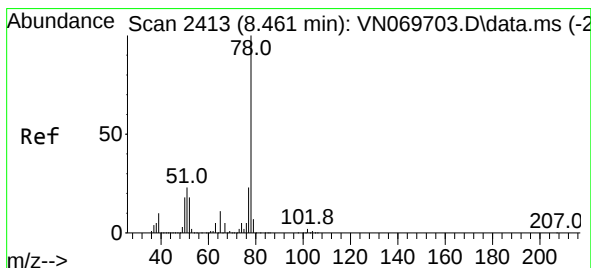
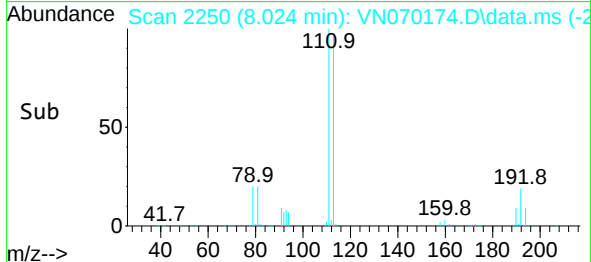
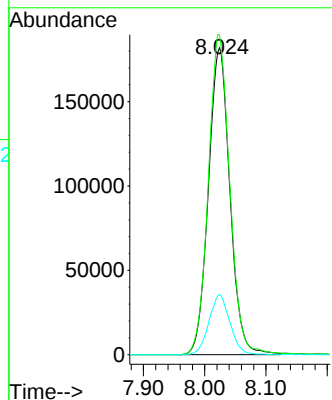
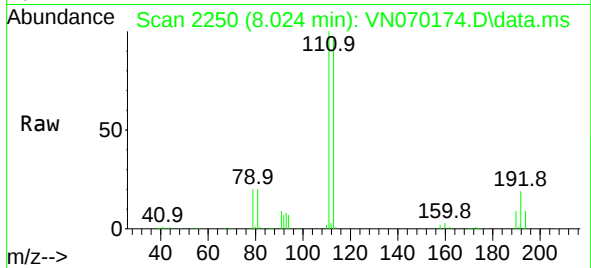




#35
 Dibromofluoromethane
 Concen: 47.606 ug/l
 RT: 8.024 min Scan# 2113
 Delta R.T. 0.000 min
 Lab File: VN070174.D
 Acq: 17 Dec 2021 19:35

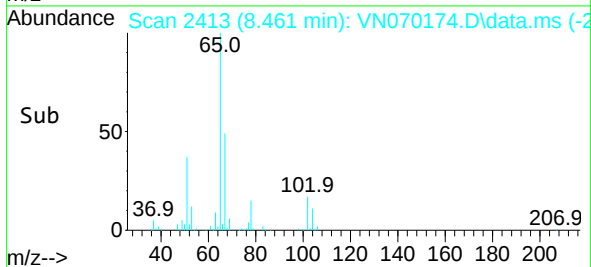
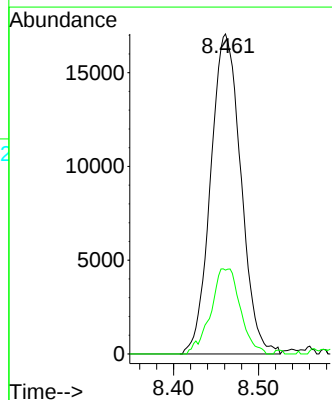
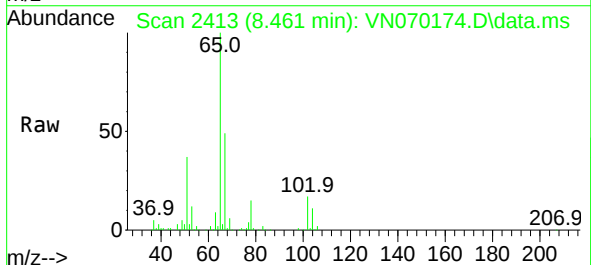
Instrument :
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 MW-30

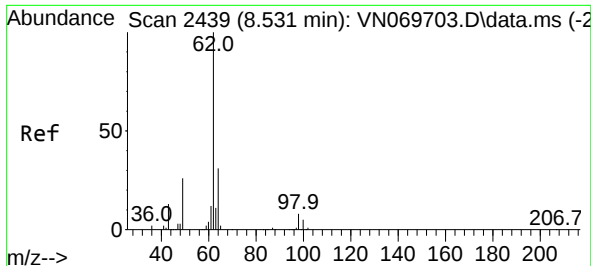
Tgt Ion:113 Resp: 443833
 Ion Ratio Lower Upper
 113 100
 111 104.2 82.2 123.2
 192 19.1 16.9 25.3



#40
 Benzene
 Concen: 0.975 ug/l
 RT: 8.461 min Scan# 2413
 Delta R.T. 0.000 min
 Lab File: VN070174.D
 Acq: 17 Dec 2021 19:35

Tgt Ion: 78 Resp: 42225
 Ion Ratio Lower Upper
 78 100
 77 26.2 18.6 27.8





#42

1,2-Dichloroethane

Concen: 2.079 ug/l m

RT: 8.533 min Scan# 2439

Delta R.T. 0.003 min

Lab File: VN070174.D

Acq: 17 Dec 2021 19:35

Instrument :

MSVOA_N

ClientSampleId :

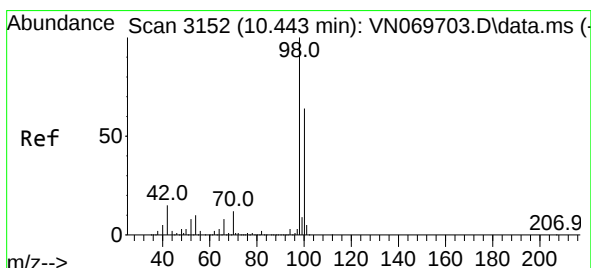
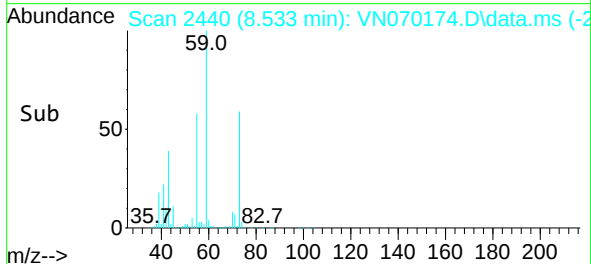
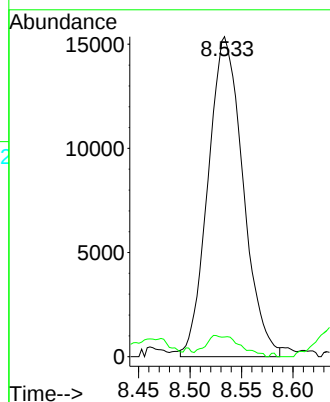
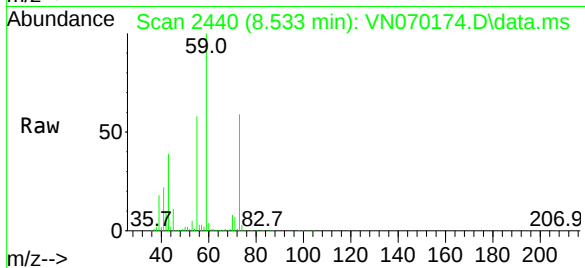
MW-30

Tgt Ion: 62 Resp: 36342

Ion Ratio Lower Upper

62 100

98 0.0 0.0 17.6



#50

Toluene-d8

Concen: 47.396 ug/l

RT: 10.443 min Scan# 3152

Delta R.T. 0.000 min

Lab File: VN070174.D

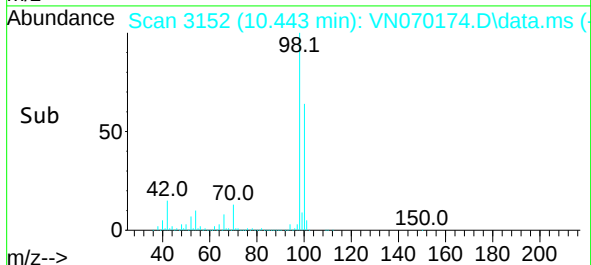
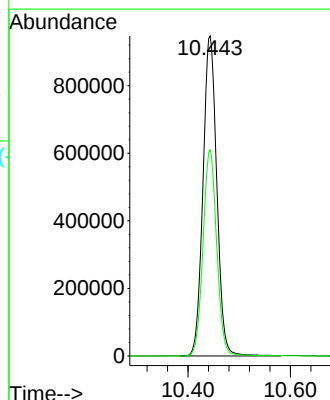
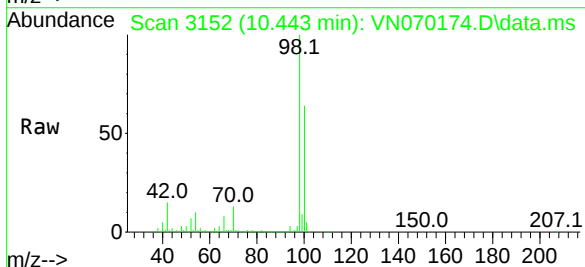
Acq: 17 Dec 2021 19:35

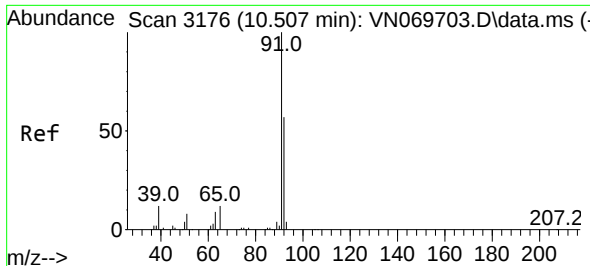
Tgt Ion: 98 Resp: 1774273

Ion Ratio Lower Upper

98 100

100 63.8 50.4 75.6

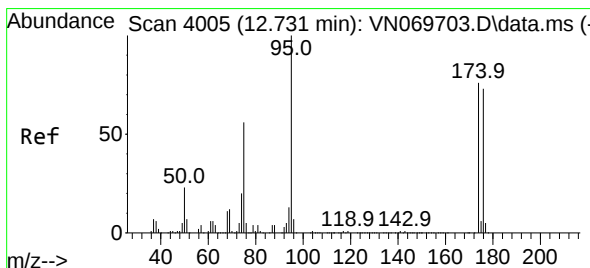
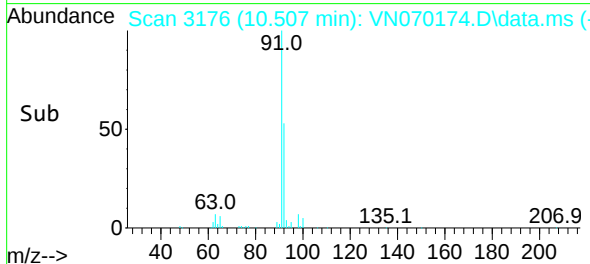
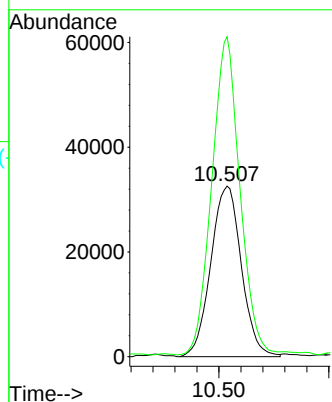
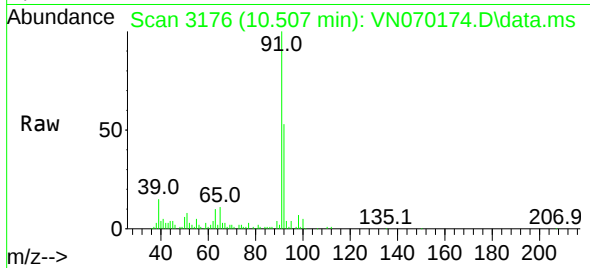




#52
Toluene
Concen: 2.377 ug/l
RT: 10.507 min Scan# 3176
Delta R.T. 0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

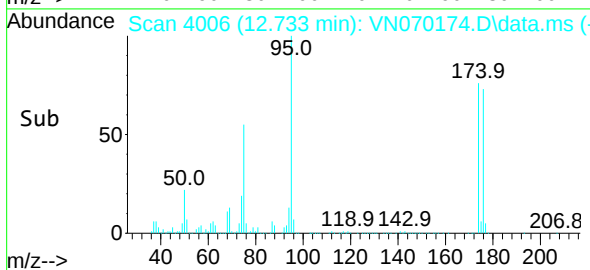
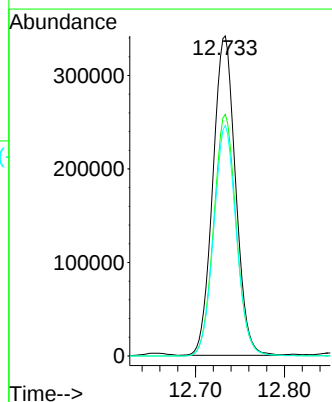
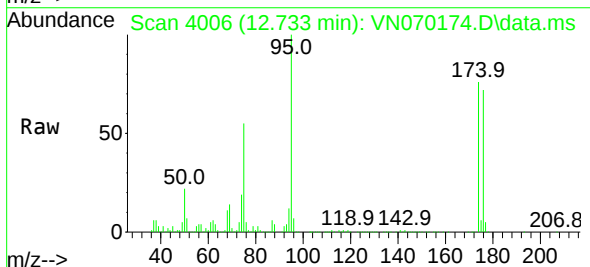
Instrument :
MSVOA_N
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MW-30

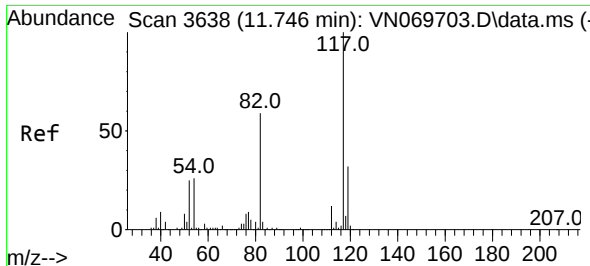
Tgt Ion: 92 Resp: 62848
Ion Ratio Lower Upper
92 100
91 171.3 142.0 213.0



#62
4-Bromofluorobenzene
Concen: 44.644 ug/l
RT: 12.733 min Scan# 4006
Delta R.T. 0.002 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion: 95 Resp: 605454
Ion Ratio Lower Upper
95 100
174 75.2 0.0 187.2
176 71.9 0.0 181.4

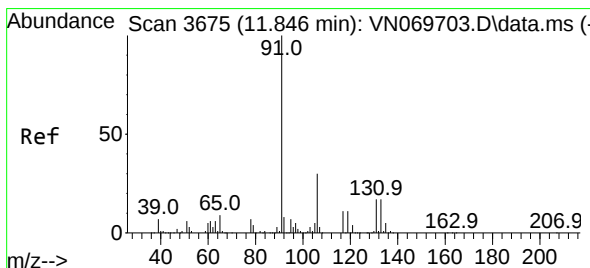
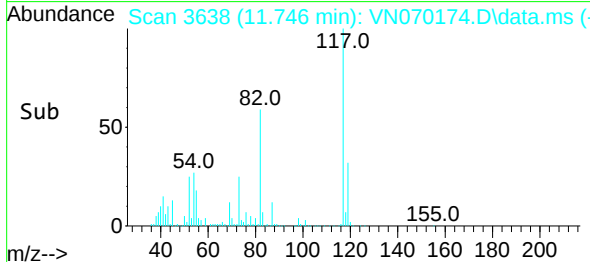
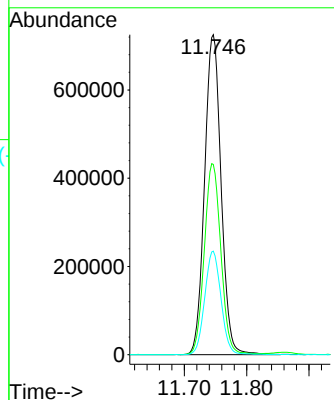
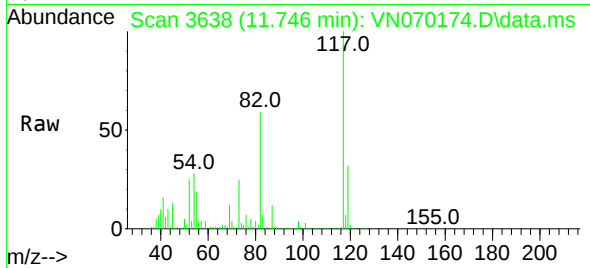




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.746 min Scan# 3638
Delta R.T. 0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

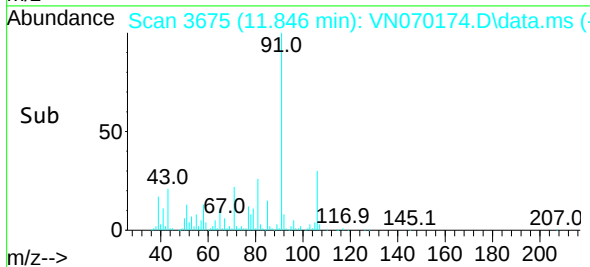
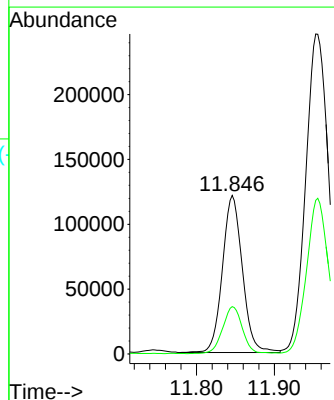
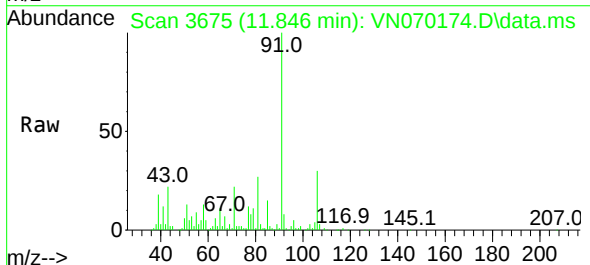
Instrument :
MSVOA_N
ClientSampleId :
MW-30

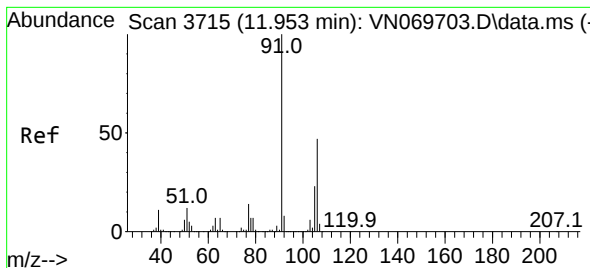
Tgt Ion:117 Resp: 1336522
Ion Ratio Lower Upper
117 100
82 59.4 42.4 63.6
119 32.3 25.4 38.2



#67
Ethyl Benzene
Concen: 4.373 ug/l
RT: 11.846 min Scan# 3675
Delta R.T. 0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion: 91 Resp: 215388
Ion Ratio Lower Upper
91 100
106 29.9 25.7 38.5

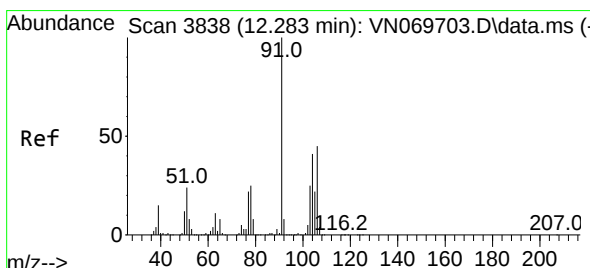
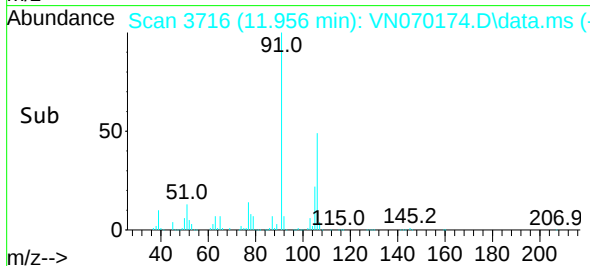
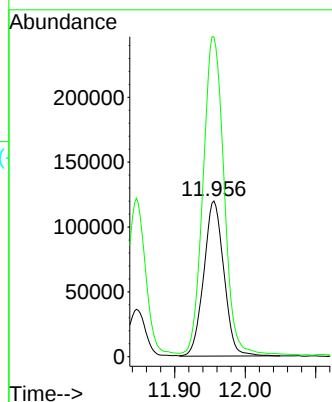
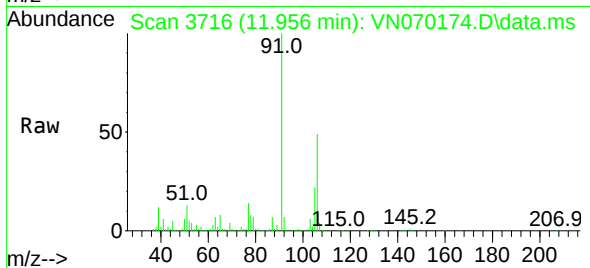




#68
m/p-Xylenes
Concen: 13.188 ug/l
RT: 11.956 min Scan# 31
Delta R.T. 0.003 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

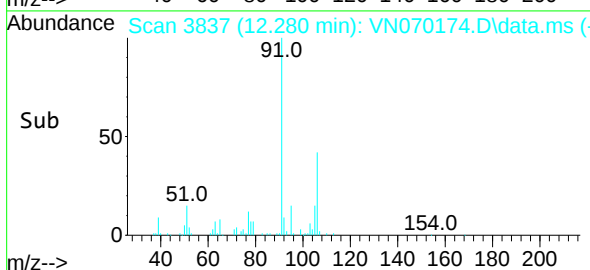
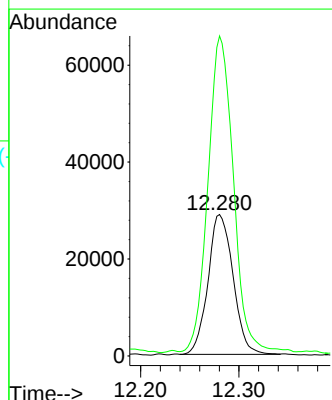
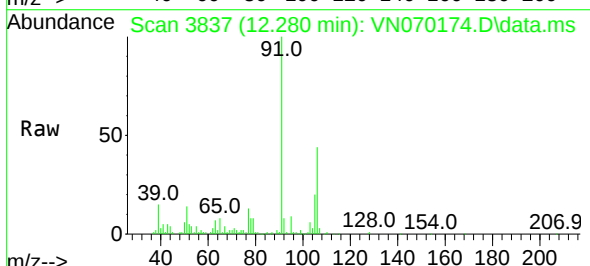
Instrument :
MSVOA_N
ClientSampleId :
MW-30

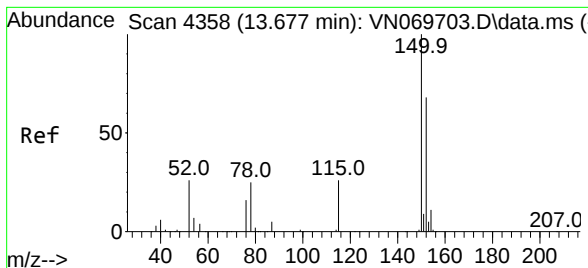
Tgt Ion:106 Resp: 236510
Ion Ratio Lower Upper
106 100
91 211.5 160.6 240.8



#69
o-Xylene
Concen: 2.830 ug/l
RT: 12.280 min Scan# 3837
Delta R.T. -0.003 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion:106 Resp: 51128
Ion Ratio Lower Upper
106 100
91 227.7 105.8 317.3





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.675 min Scan# 41

Delta R.T. -0.003 min

Lab File: VN070174.D

Acq: 17 Dec 2021 19:35

Instrument :

MSVOA_N

ClientSampleId :

MW-30

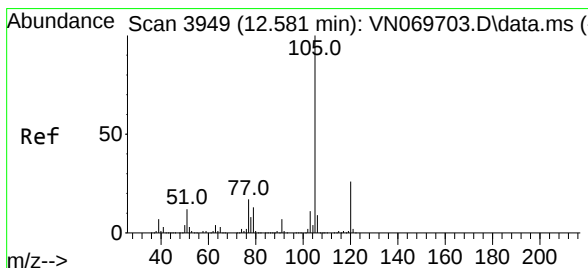
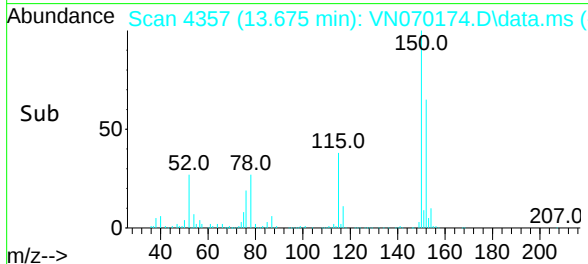
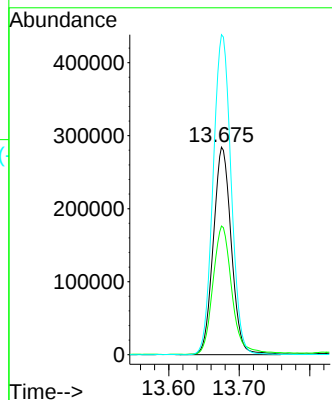
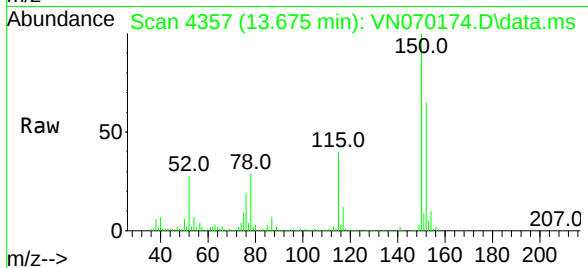
Tgt Ion:152 Resp: 504737

Ion Ratio Lower Upper

152 100

115 65.3 27.5 82.5

150 154.2 0.0 344.4



#73

Isopropylbenzene

Concen: 0.445 ug/l

RT: 12.581 min Scan# 3949

Delta R.T. 0.000 min

Lab File: VN070174.D

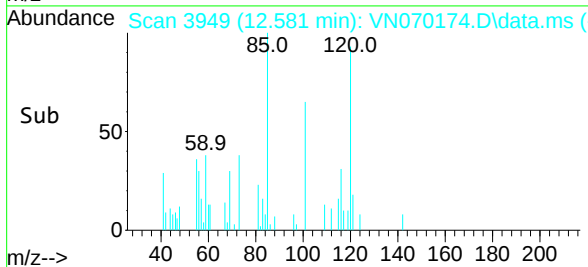
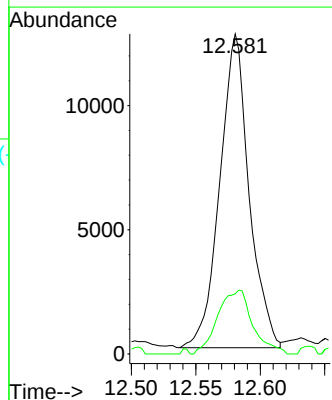
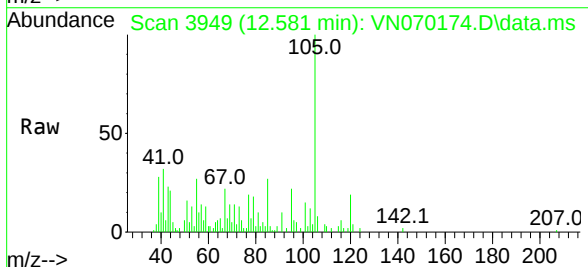
Acq: 17 Dec 2021 19:35

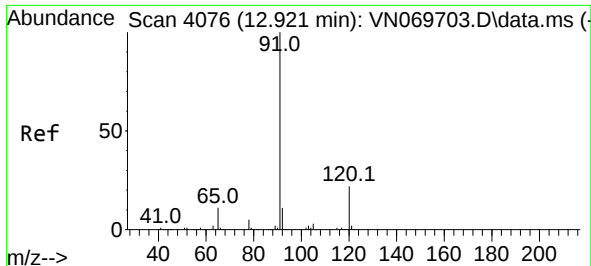
Tgt Ion:105 Resp: 19962

Ion Ratio Lower Upper

105 100

120 24.2 13.4 40.1

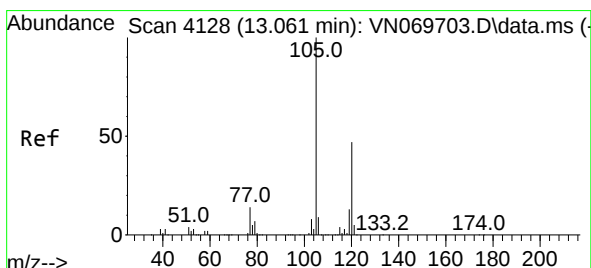
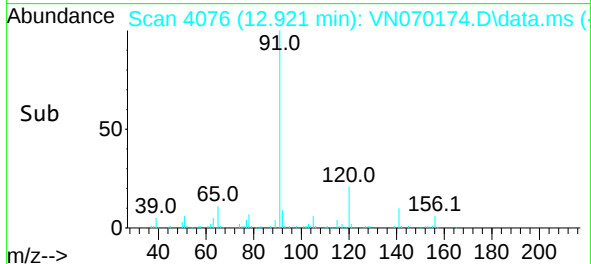
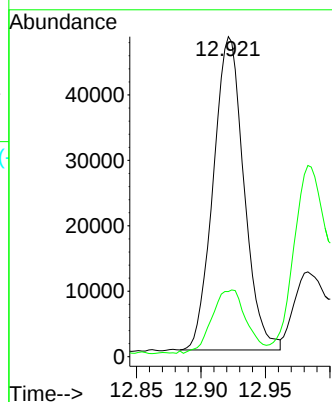
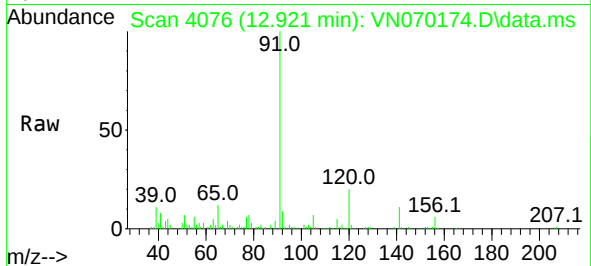




#78
n-propylbenzene
Concen: 1.586 ug/l
RT: 12.921 min Scan# 4076
Delta R.T. 0.000 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

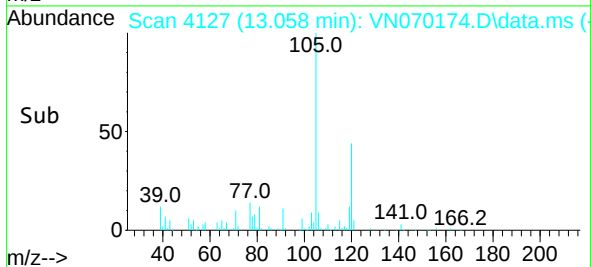
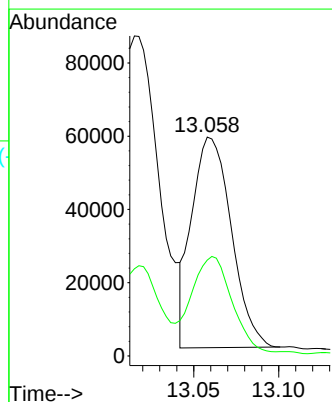
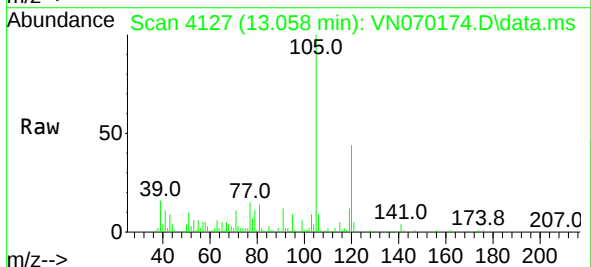
Instrument :
MSVOA_N
ClientSampleId :
MW-30

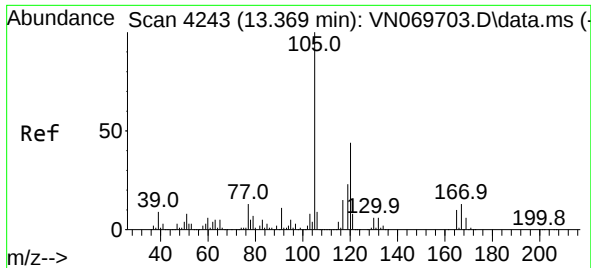
Tgt Ion: 91 Resp: 79274
Ion Ratio Lower Upper
91 100
120 22.6 11.9 35.9



#80
1,3,5-Trimethylbenzene
Concen: 2.571 ug/l
RT: 13.058 min Scan# 4127
Delta R.T. -0.003 min
Lab File: VN070174.D
Acq: 17 Dec 2021 19:35

Tgt Ion: 105 Resp: 92940
Ion Ratio Lower Upper
105 100
120 45.7 24.6 73.6





#84

1,2,4-Trimethylbenzene

Concen: 13.319 ug/l

RT: 13.369 min Scan# 41

Delta R.T. 0.000 min

Lab File: VN070174.D

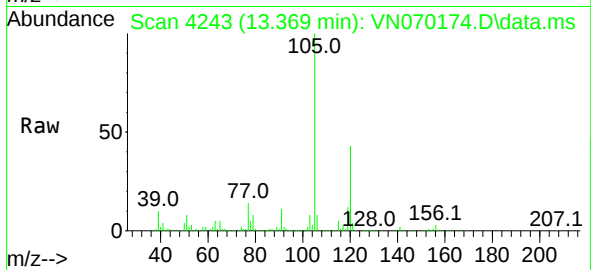
Acq: 17 Dec 2021 19:35

Instrument :

MSVOA_N

ClientSampleId :

MW-30



Tgt Ion:105 Resp: 458468

Ion Ratio Lower Upper

105 100

120 43.1 22.8 68.4

