

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN111821\  
 Data File : VN069555.D  
 Acq On : 18 Nov 2021 16:09  
 Operator : JC/MD  
 Sample : M4739-02  
 Misc : 5.00mL/MSVOA\_N/WATER  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-6R

Quant Time: Nov 19 03:19:06 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Nov 09 18:18:22 2021  
 Response via : Initial Calibration

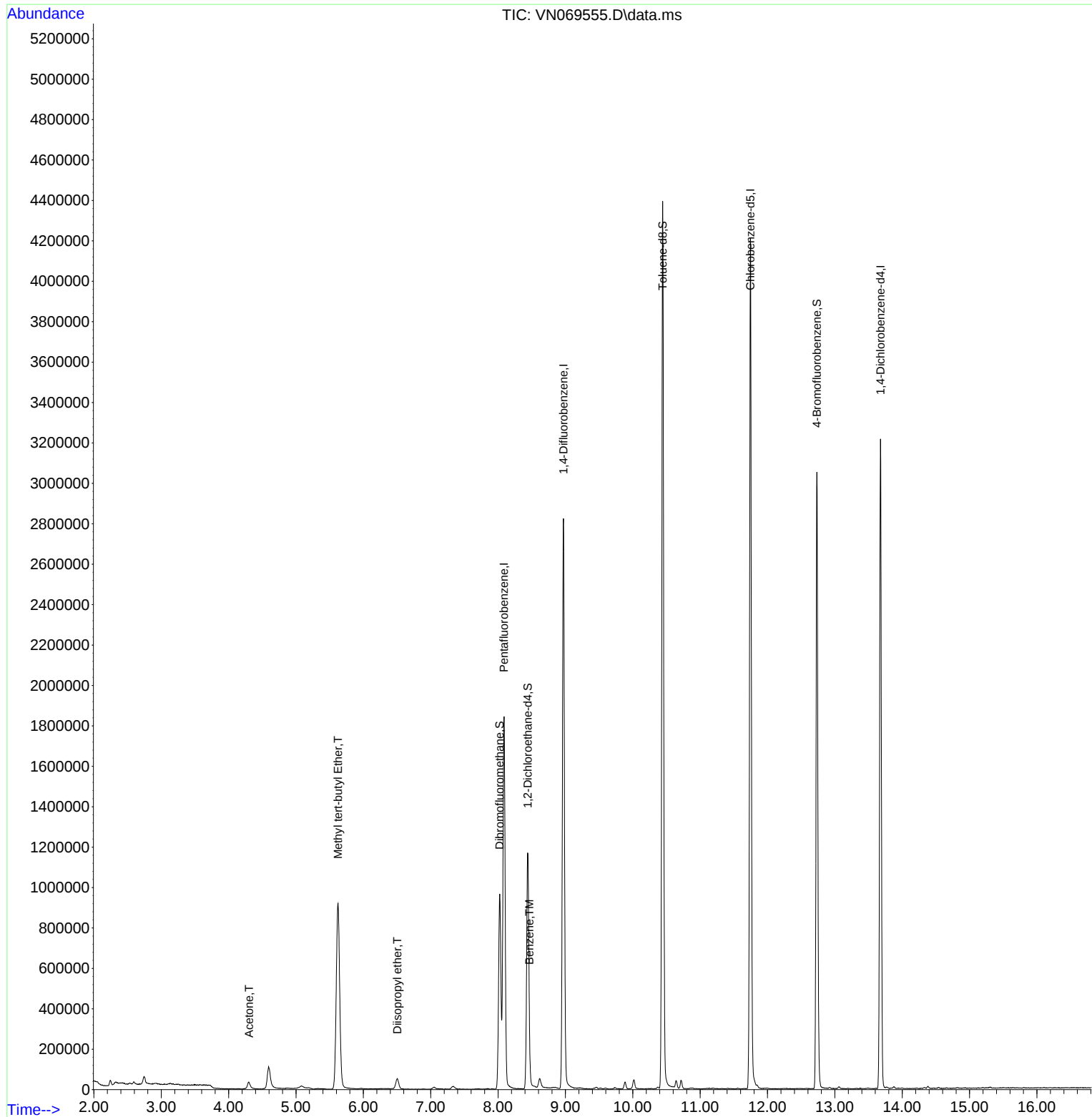
| Compound                    | R.T. QIon |       | Response | Conc     | Units | Dev(Min) |
|-----------------------------|-----------|-------|----------|----------|-------|----------|
| -----                       |           |       |          |          |       |          |
| Internal Standards          |           |       |          |          |       |          |
| 1) Pentafluorobenzene       | 8.088     | 168   | 1369317  | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.971     | 114   | 2378920  | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.747    | 117   | 2365178  | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.678    | 152   | 851567   | 50.000   | ug/l  | 0.00     |
| System Monitoring Compounds |           |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.440     | 65    | 1012288  | 50.986   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 61 - 141 | Recovery | =     | 101.980% |
| 35) Dibromofluoromethane    | 8.024     | 113   | 702141   | 49.212   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 69 - 133 | Recovery | =     | 98.420%  |
| 50) Toluene-d8              | 10.443    | 98    | 3039742  | 54.170   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 65 - 126 | Recovery | =     | 108.340% |
| 62) 4-Bromofluorobenzene    | 12.734    | 95    | 1053584  | 51.109   | ug/l  | 0.00     |
| Spiked Amount               | 50.000    | Range | 58 - 135 | Recovery | =     | 102.220% |
| Target Compounds            |           |       |          |          |       |          |
|                             |           |       |          |          |       | Qvalue   |
| 16) Acetone                 | 4.301     | 43    | 59890    | 5.591    | ug/l  | 92       |
| 19) Methyl tert-butyl Ether | 5.624     | 73    | 1407520  | 29.967   | ug/l  | 96       |
| 22) Diisopropyl ether       | 6.503     | 45    | 64365    | 1.218    | ug/l  | 90       |
| 40) Benzene                 | 8.464     | 78    | 12429    | 0.201    | ug/l  | 91       |
| -----                       |           |       |          |          |       |          |

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

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Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N110921W.M  
Quant Title : SW846 8260  
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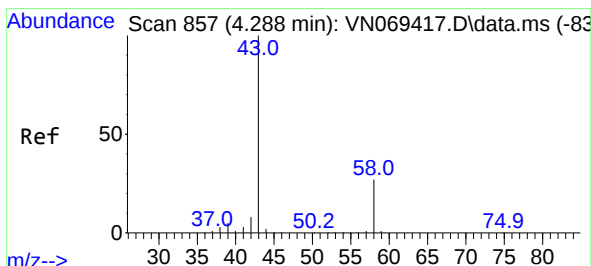
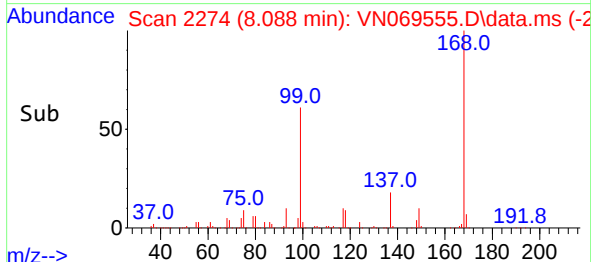
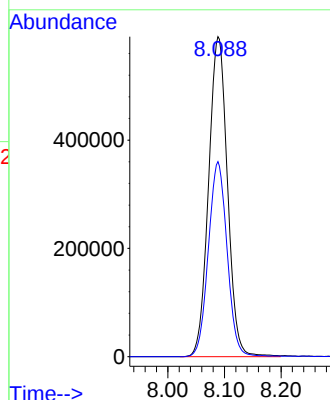
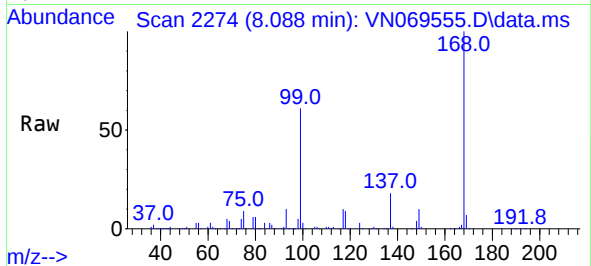




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.088 min Scan# 21  
Delta R.T. 0.002 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

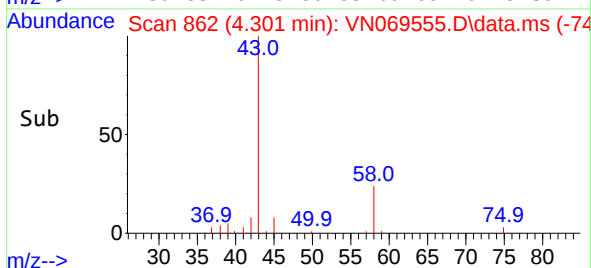
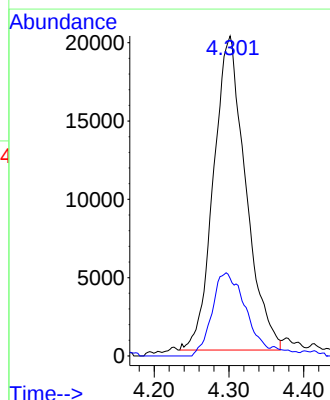
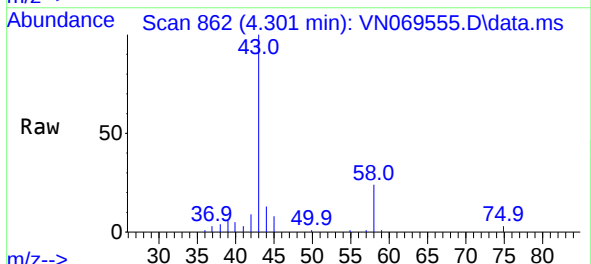
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-6R

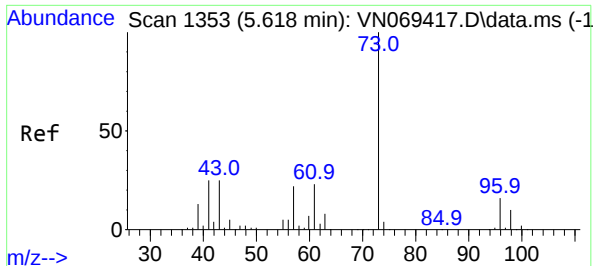
Tgt Ion:168 Resp: 1369317  
Ion Ratio Lower Upper  
168 100  
99 60.9 41.3 61.9



#16  
Acetone  
Concen: 5.591 ug/l  
RT: 4.301 min Scan# 862  
Delta R.T. 0.013 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

Tgt Ion: 43 Resp: 59890  
Ion Ratio Lower Upper  
43 100  
58 24.7 23.1 34.7





#19

Methyl tert-butyl Ether

Concen: 29.967 ug/l

RT: 5.624 min Scan# 1

Delta R.T. 0.006 min

Lab File: VN069555.D

Acq: 18 Nov 2021 16:09

Instrument :

MSVOA\_N

ClientSampleId :

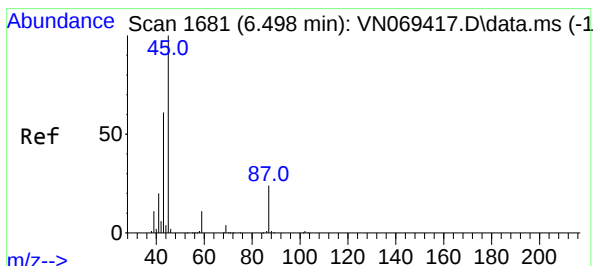
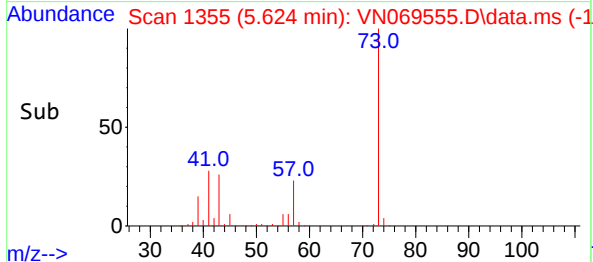
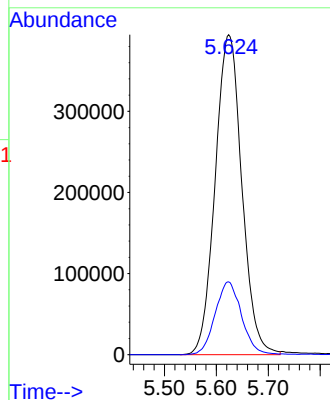
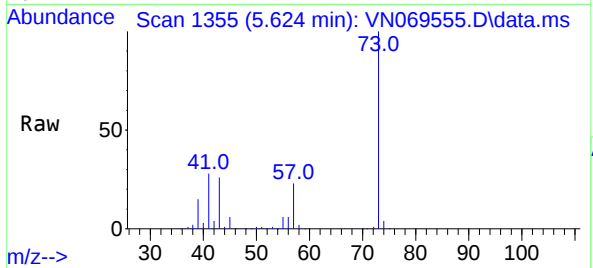
MW-6R

Tgt Ion: 73 Resp: 1407520

Ion Ratio Lower Upper

73 100

57 22.7 16.8 25.2



#22

Diisopropyl ether

Concen: 1.218 ug/l

RT: 6.503 min Scan# 1683

Delta R.T. 0.005 min

Lab File: VN069555.D

Acq: 18 Nov 2021 16:09

Tgt Ion: 45 Resp: 64365

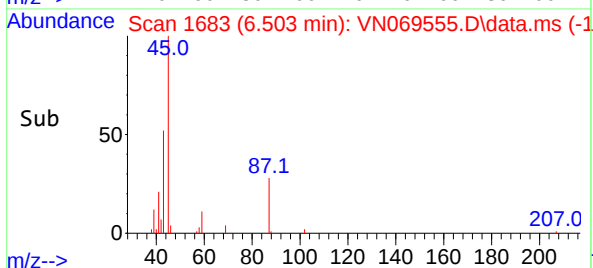
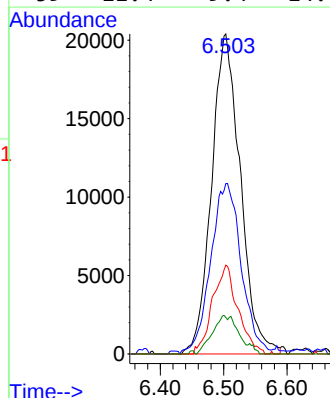
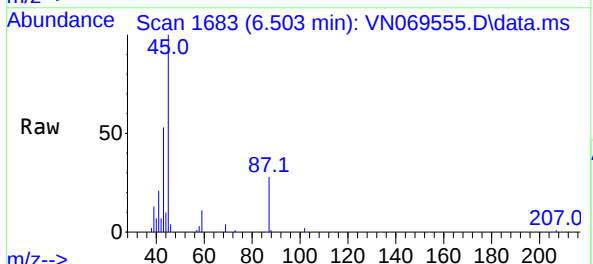
Ion Ratio Lower Upper

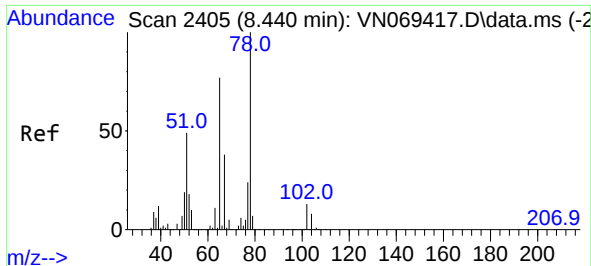
45 100

43 53.3 51.7 77.5

87 27.8 23.2 34.8

59 11.4 9.4 14.0





#33

1,2-Dichloroethane-d4

Concen: 50.986 ug/l

RT: 8.440 min Scan# 2405

Delta R.T. -0.000 min

Lab File: VN069555.D

Acq: 18 Nov 2021 16:09

Instrument :

MSVOA\_N

ClientSampleId :

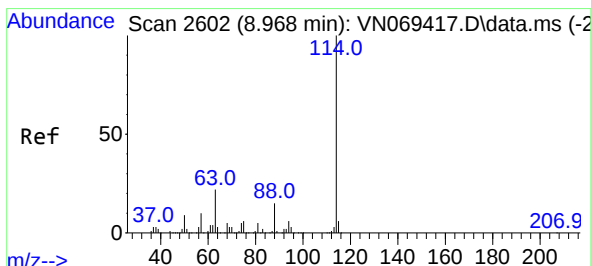
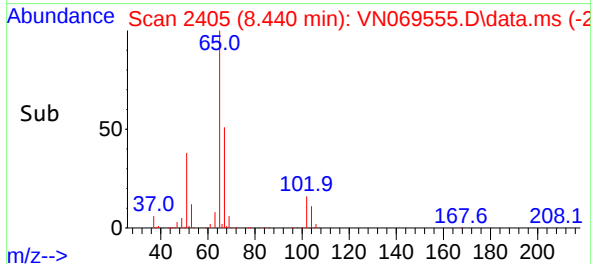
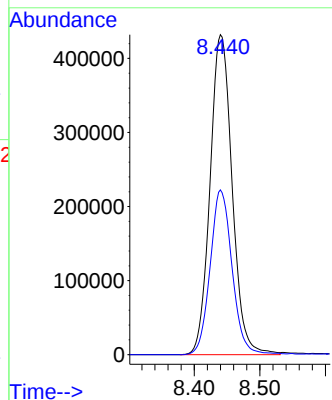
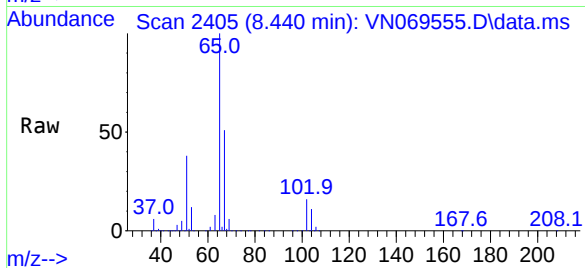
MW-6R

Tgt Ion: 65 Resp: 1012288

Ion Ratio Lower Upper

65 100

67 51.1 0.0 103.0



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.971 min Scan# 2603

Delta R.T. 0.003 min

Lab File: VN069555.D

Acq: 18 Nov 2021 16:09

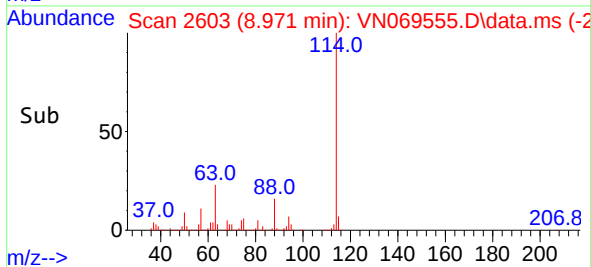
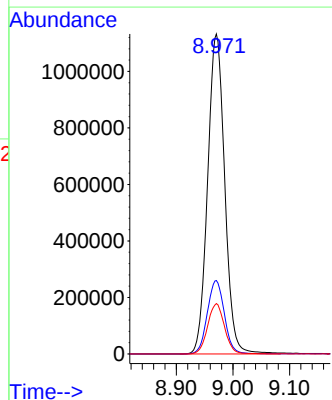
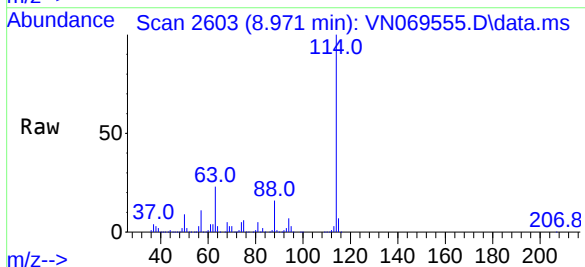
Tgt Ion:114 Resp: 2378920

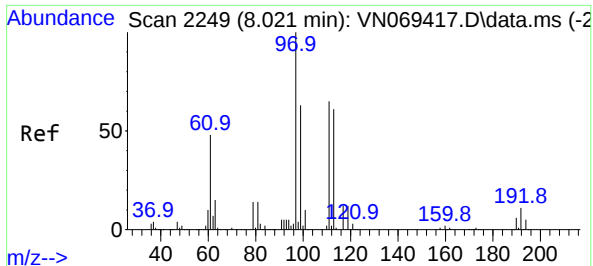
Ion Ratio Lower Upper

114 100

63 23.0 0.0 37.8

88 15.7 0.0 27.4

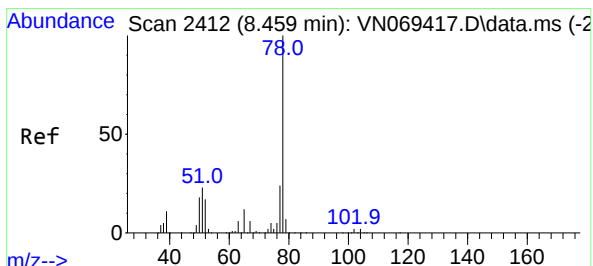
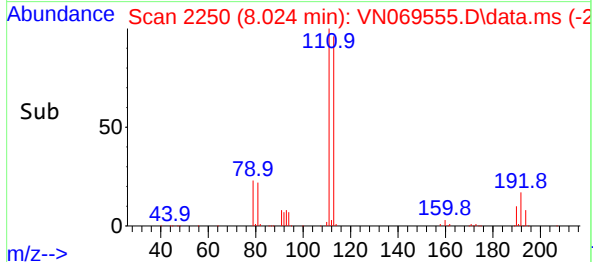
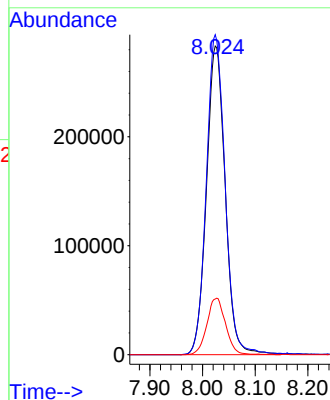
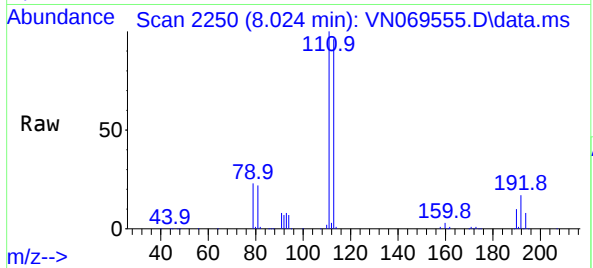




#35  
Dibromofluoromethane  
Concen: 49.212 ug/l  
RT: 8.024 min Scan# 2113  
Delta R.T. 0.003 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

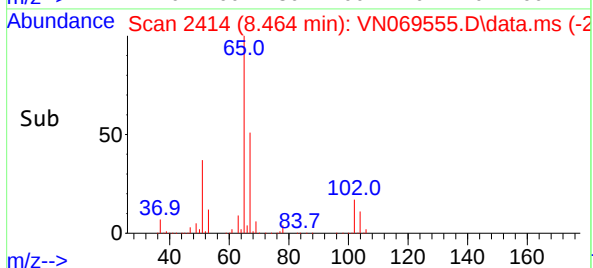
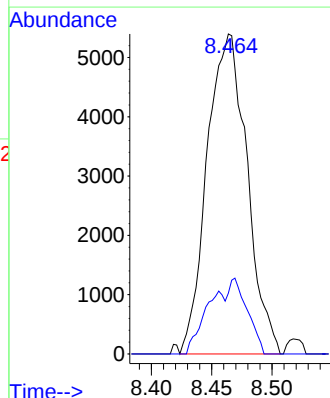
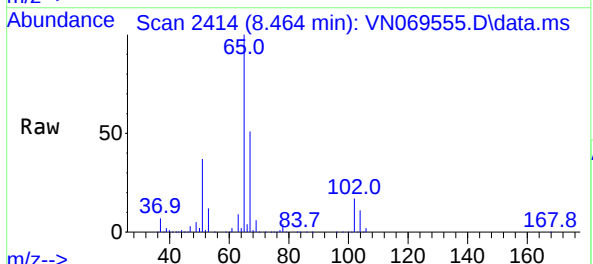
Instrument :  
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MW-6R

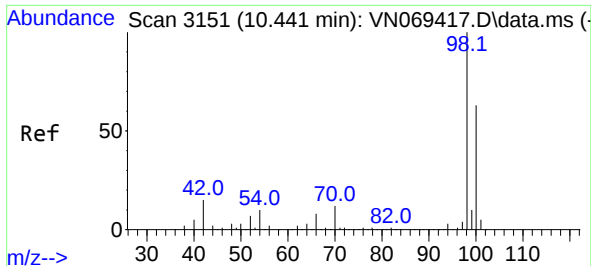
Tgt Ion:113 Resp: 702141  
Ion Ratio Lower Upper  
113 100  
111 103.6 82.2 123.2  
192 18.2 16.9 25.3



#40  
Benzene  
Concen: 0.201 ug/l  
RT: 8.464 min Scan# 2414  
Delta R.T. 0.005 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

Tgt Ion: 78 Resp: 12429  
Ion Ratio Lower Upper  
78 100  
77 19.0 18.6 27.8

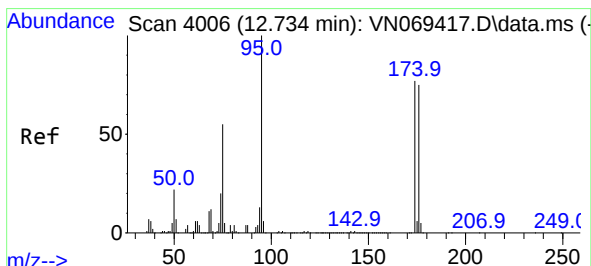
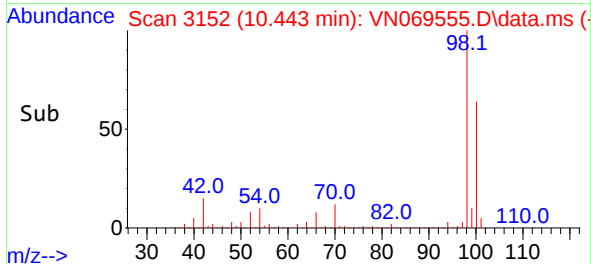
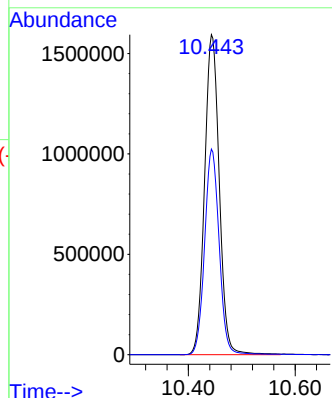
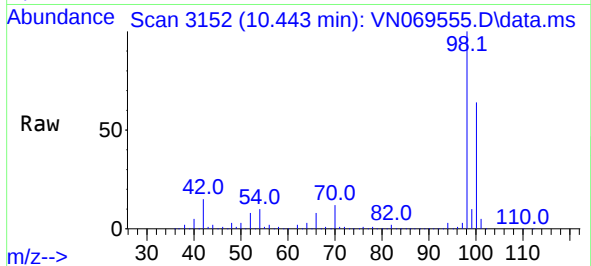




#50  
Toluene-d8  
Concen: 54.170 ug/l  
RT: 10.443 min Scan# 3151  
Delta R.T. 0.002 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

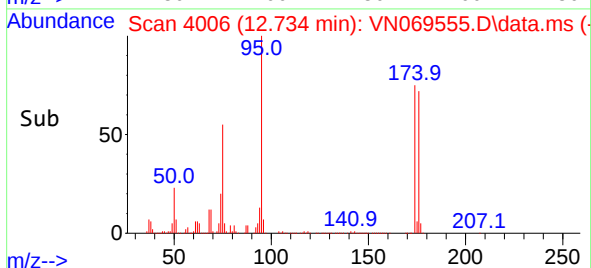
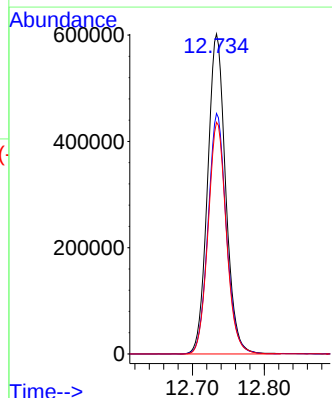
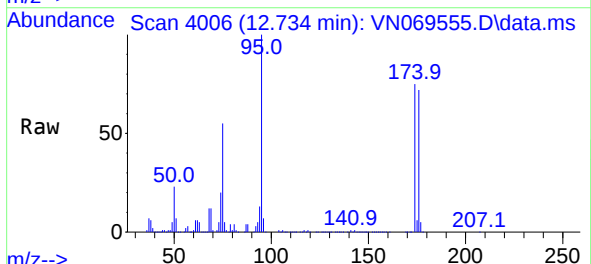
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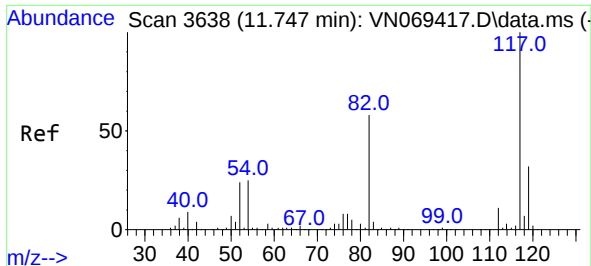
Tgt Ion: 98 Resp: 3039742  
Ion Ratio Lower Upper  
98 100  
100 63.4 50.4 75.6



#62  
4-Bromofluorobenzene  
Concen: 51.109 ug/l  
RT: 12.734 min Scan# 4006  
Delta R.T. -0.000 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

Tgt Ion: 95 Resp: 1053584  
Ion Ratio Lower Upper  
95 100  
174 75.9 0.0 187.2  
176 73.0 0.0 181.4

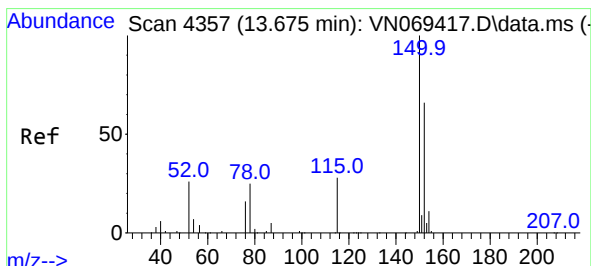
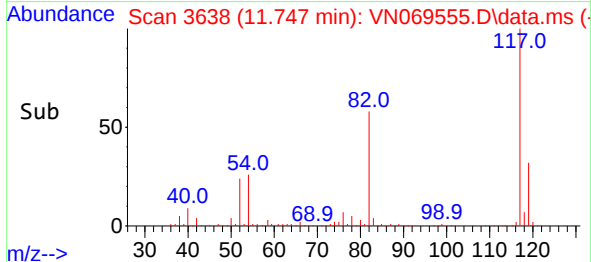
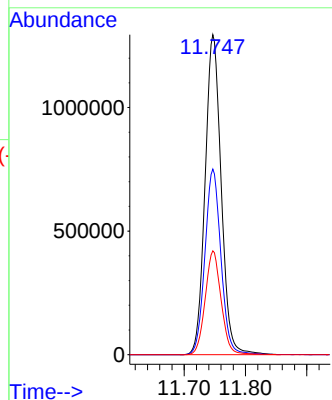
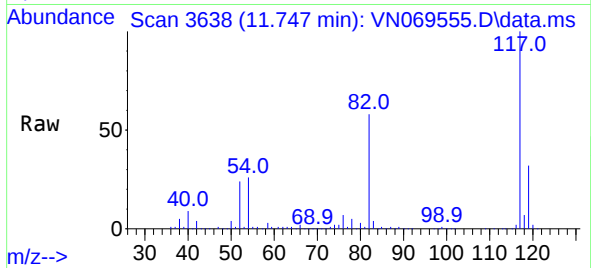




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.747 min Scan# 30  
Delta R.T. -0.000 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-6R

Tgt Ion:117 Resp: 2365178  
Ion Ratio Lower Upper  
117 100  
82 58.0 42.4 63.6  
119 32.5 25.4 38.2



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.678 min Scan# 4358  
Delta R.T. 0.003 min  
Lab File: VN069555.D  
Acq: 18 Nov 2021 16:09

Tgt Ion:152 Resp: 851567  
Ion Ratio Lower Upper  
152 100  
115 60.7 27.5 82.5  
150 158.2 0.0 344.4

