

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_N\Data\VN061622\  
 Data File : VN072894.D  
 Acq On : 16 Jun 2022 21:39  
 Operator : JC\MD  
 Sample : N3202-08  
 Misc : 5.0mL/MSVOA\_N/WATER  
 ALS Vial : 1 Sample Multiplier: 1

Instrument :  
 MSVOA\_N  
 ClientSampleId :  
 MW-30

Quant Time: Jun 17 06:07:27 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_N\methods\82N061622W.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Jun 17 06:04:26 2022  
 Response via : Initial Calibration

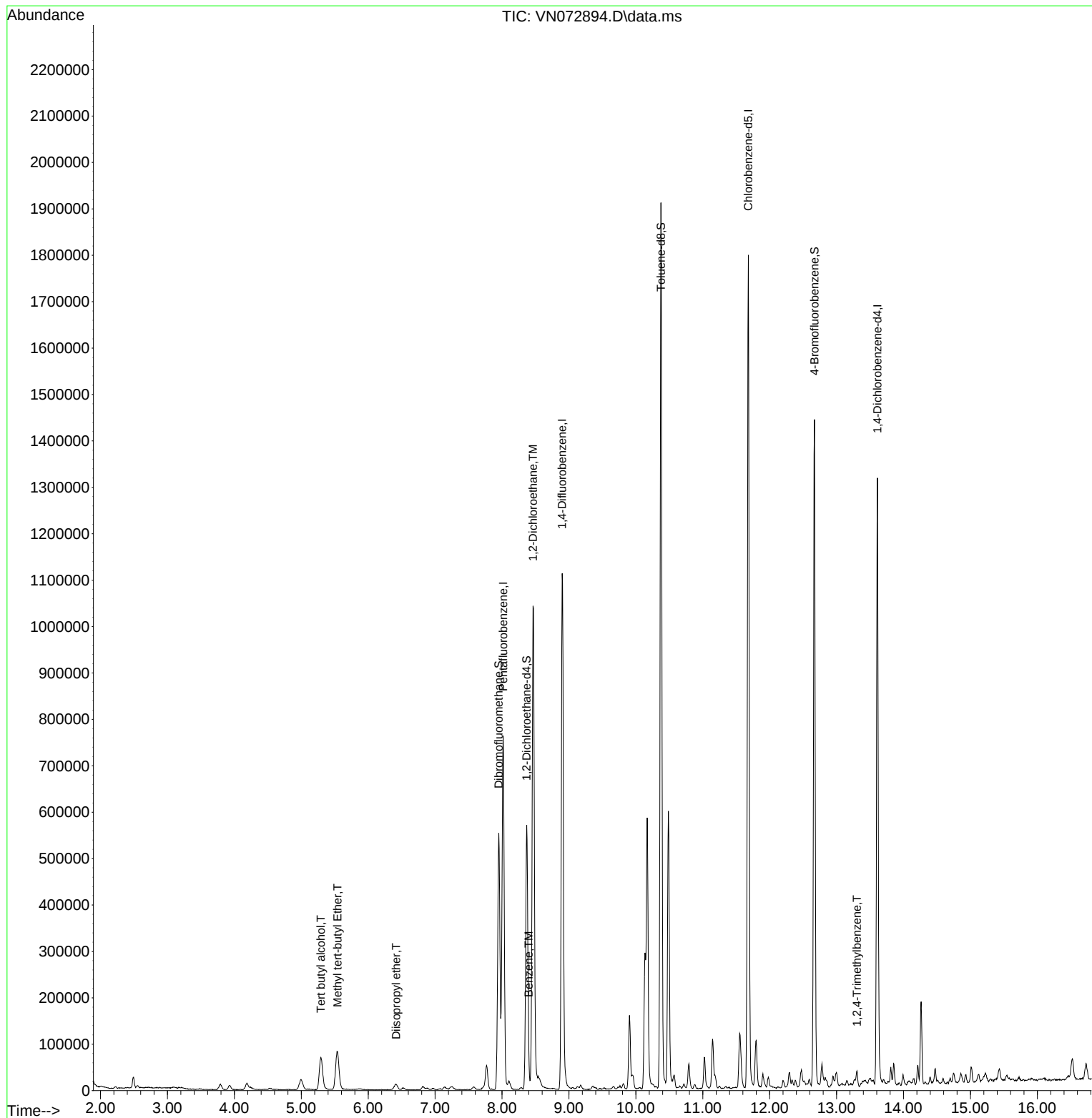
| Compound                    | R.T.   | QIon  | Response | Conc     | Units  | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|--------|----------|
| -----                       |        |       |          |          |        |          |
| Internal Standards          |        |       |          |          |        |          |
| 1) Pentafluorobenzene       | 8.016  | 168   | 606834   | 50.000   | ug/l   | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.898  | 114   | 1018163  | 50.000   | ug/l   | 0.00     |
| 63) Chlorobenzene-d5        | 11.680 | 117   | 915710   | 50.000   | ug/l   | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.610 | 152   | 362606   | 50.000   | ug/l   | 0.00     |
| System Monitoring Compounds |        |       |          |          |        |          |
| 33) 1,2-Dichloroethane-d4   | 8.369  | 65    | 473924   | 42.272   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 61 - 141 | Recovery | =      | 84.540%  |
| 35) Dibromofluoromethane    | 7.951  | 113   | 405303   | 43.823   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 69 - 133 | Recovery | =      | 87.640%  |
| 50) Toluene-d8              | 10.375 | 98    | 1318874  | 36.431   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 65 - 126 | Recovery | =      | 72.860%  |
| 62) 4-Bromofluorobenzene    | 12.669 | 95    | 512803   | 40.834   | ug/l   | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 135 | Recovery | =      | 81.660%  |
| Target Compounds            |        |       |          |          |        |          |
|                             |        |       |          |          | Qvalue |          |
| 11) Tert butyl alcohol      | 5.293  | 59    | 140609   | 48.168   | ug/l   | 99       |
| 19) Methyl tert-butyl Ether | 5.540  | 73    | 126614   | 4.089    | ug/l # | 85       |
| 22) Diisopropyl ether       | 6.416  | 45    | 15181    | 0.479    | ug/l # | 82       |
| 40) Benzene                 | 8.398  | 78    | 8810     | 0.219    | ug/l   | 94       |
| 42) 1,2-Dichloroethane      | 8.463  | 62    | 5665     | 0.390    | ug/l   | 77       |
| 84) 1,2,4-Trimethylbenzene  | 13.304 | 105   | 18177    | 0.682    | ug/l   | 95       |
| -----                       |        |       |          |          |        |          |

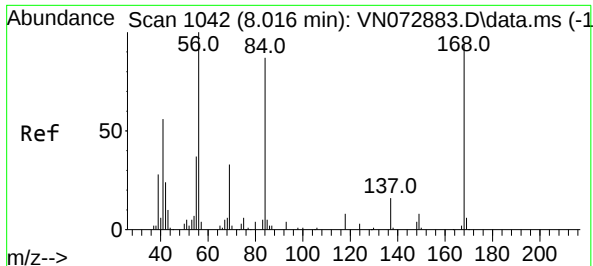
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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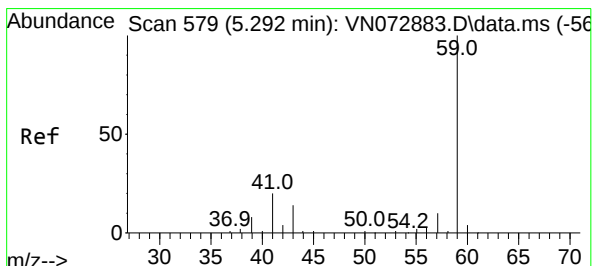
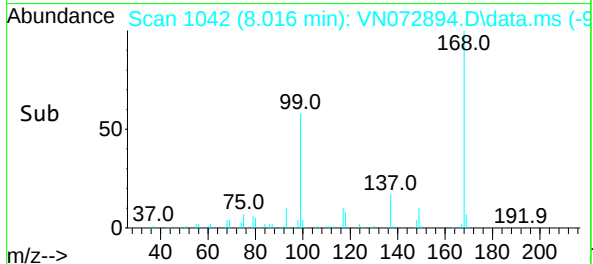
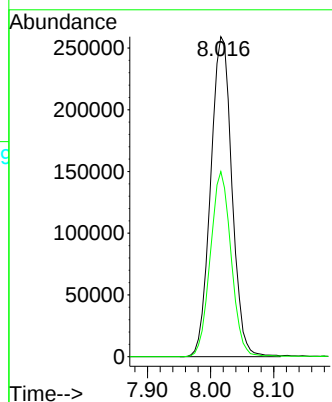
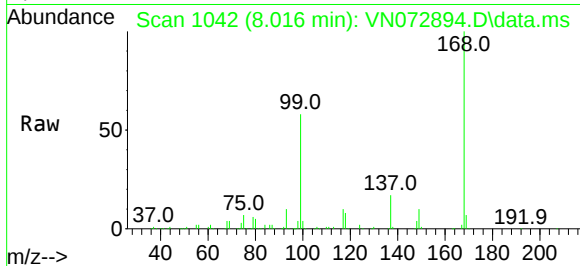




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 8.016 min Scan# 1042  
Delta R.T. -0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

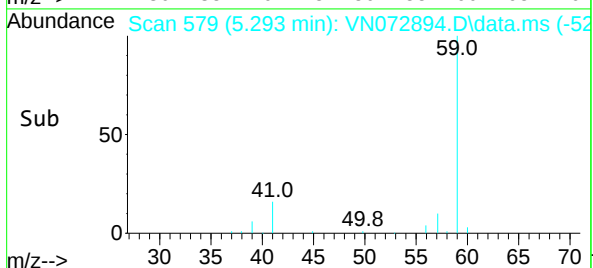
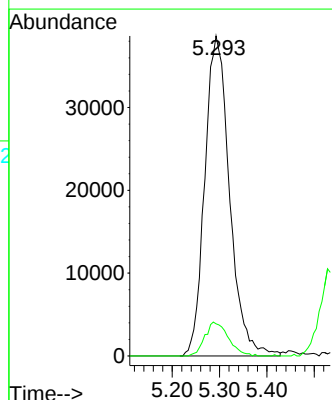
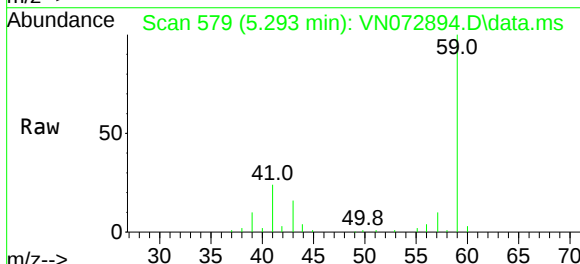
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30

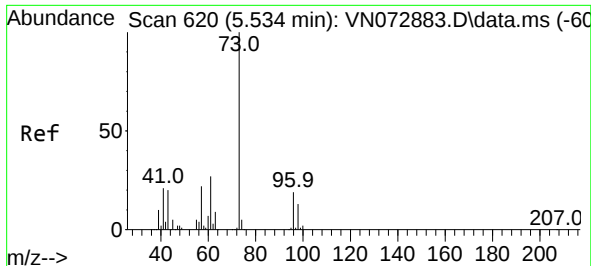
Tgt Ion:168 Resp: 606834  
Ion Ratio Lower Upper  
168 100  
99 57.9 42.3 63.5



#11  
Tert butyl alcohol  
Concen: 48.168 ug/l  
RT: 5.293 min Scan# 579  
Delta R.T. 0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

Tgt Ion: 59 Resp: 140609  
Ion Ratio Lower Upper  
59 100  
57 10.0 8.3 12.5

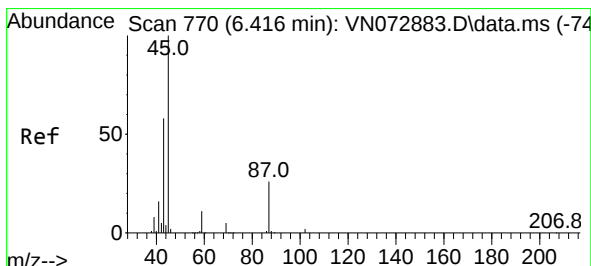
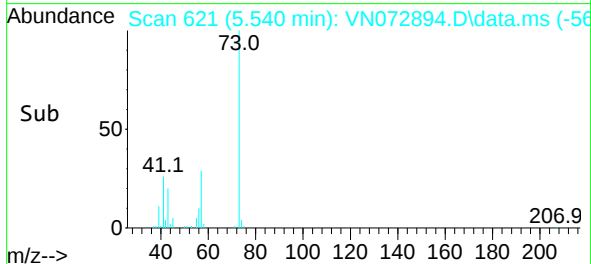
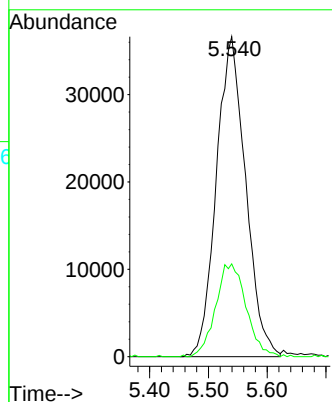
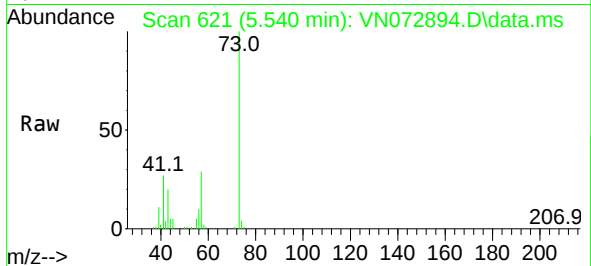




#19  
Methyl tert-butyl Ether  
Concen: 4.089 ug/l  
RT: 5.540 min Scan# 61  
Delta R.T. 0.006 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

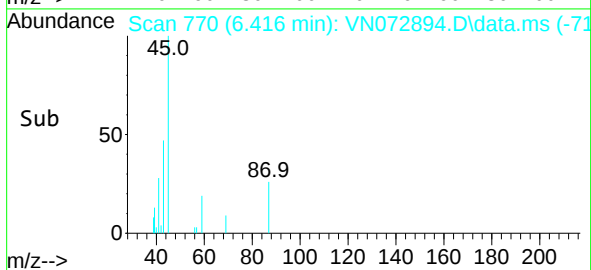
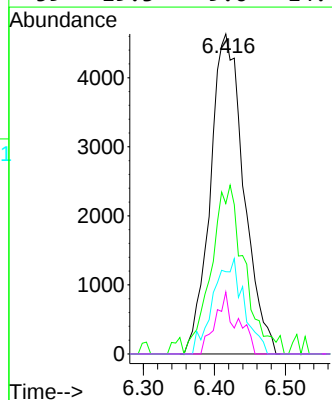
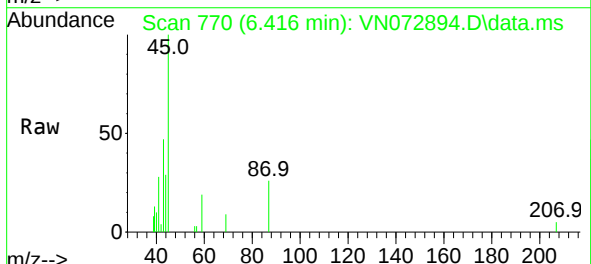
Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30

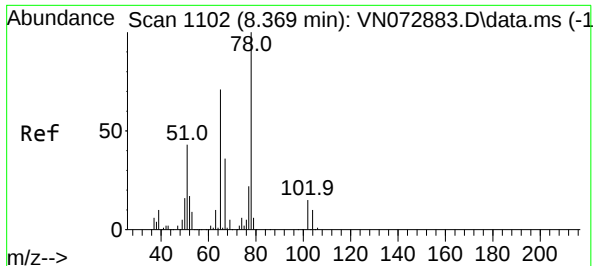
Tgt Ion: 73 Resp: 126614  
Ion Ratio Lower Upper  
73 100  
57 29.0 17.6 26.4#



#22  
Diisopropyl ether  
Concen: 0.479 ug/l  
RT: 6.416 min Scan# 770  
Delta R.T. 0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

Tgt Ion: 45 Resp: 15181  
Ion Ratio Lower Upper  
45 100  
43 41.9 46.6 70.0#  
87 25.7 24.3 36.5  
59 19.3 9.6 14.4#

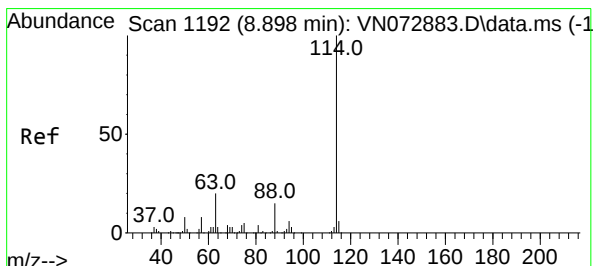
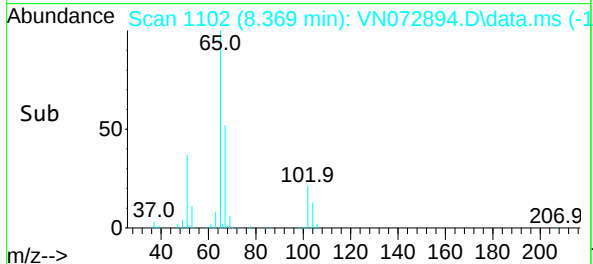
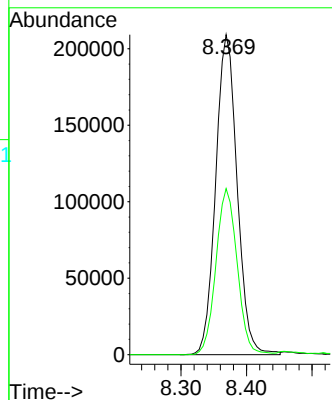
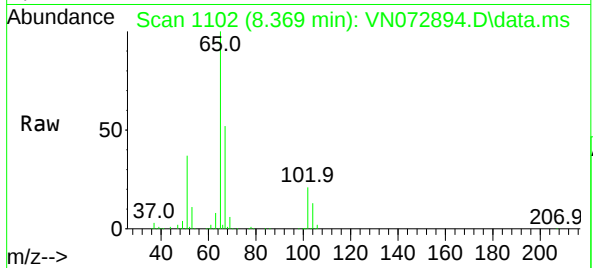




#33  
 1,2-Dichloroethane-d4  
 Concen: 42.272 ug/l  
 RT: 8.369 min Scan# 1102  
 Delta R.T. 0.000 min  
 Lab File: VN072894.D  
 Acq: 16 Jun 2022 21:39

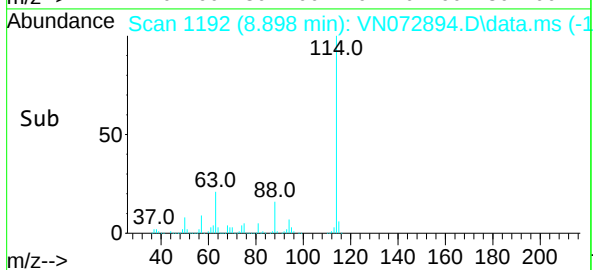
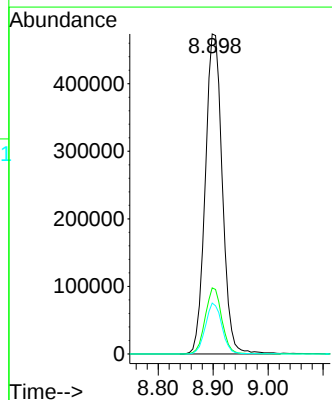
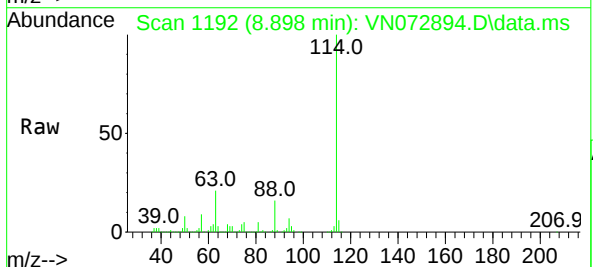
Instrument :  
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 ClientSampleId :  
 MW-30

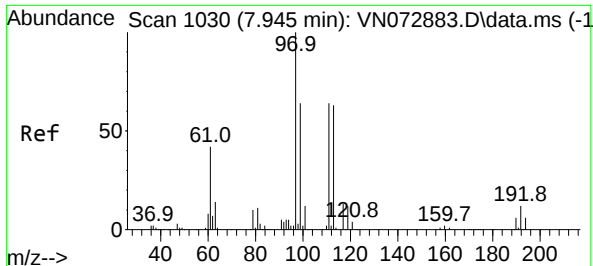
Tgt Ion: 65 Resp: 473924  
 Ion Ratio Lower Upper  
 65 100  
 67 51.4 0.0 104.8



#34  
 1,4-Difluorobenzene  
 Concen: 50.000 ug/l  
 RT: 8.898 min Scan# 1192  
 Delta R.T. 0.000 min  
 Lab File: VN072894.D  
 Acq: 16 Jun 2022 21:39

Tgt Ion: 114 Resp: 1018163  
 Ion Ratio Lower Upper  
 114 100  
 63 20.7 0.0 40.0  
 88 15.9 0.0 32.6





#35

Dibromofluoromethane

Concen: 43.823 ug/l

RT: 7.951 min Scan# 1107

Delta R.T. 0.006 min

Lab File: VN072894.D

Acq: 16 Jun 2022 21:39

Instrument :

MSVOA\_N

ClientSampleId :

MW-30

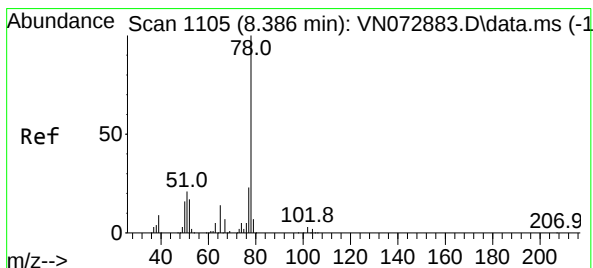
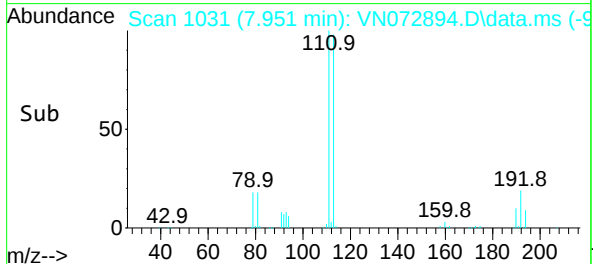
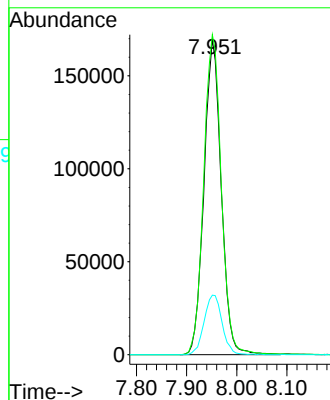
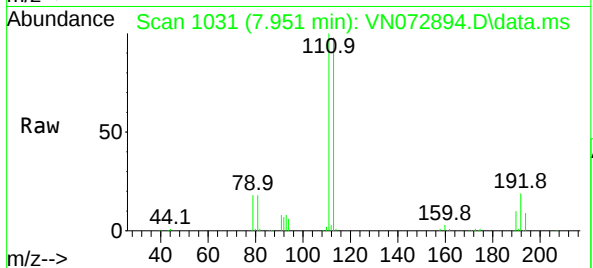
Tgt Ion:113 Resp: 405303

Ion Ratio Lower Upper

113 100

111 103.8 81.4 122.0

192 19.7 17.0 25.6



#40

Benzene

Concen: 0.219 ug/l

RT: 8.398 min Scan# 1107

Delta R.T. 0.012 min

Lab File: VN072894.D

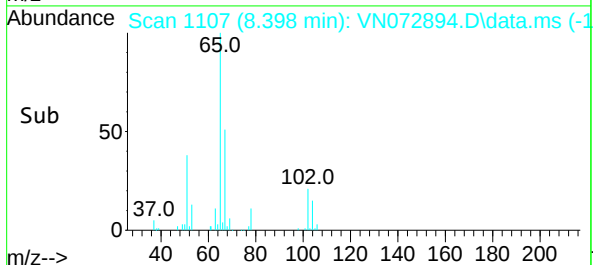
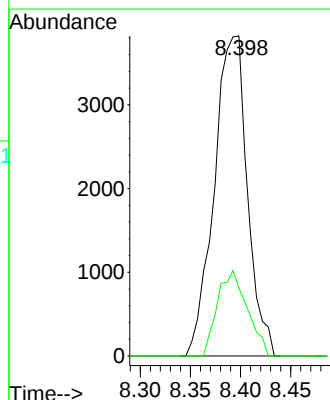
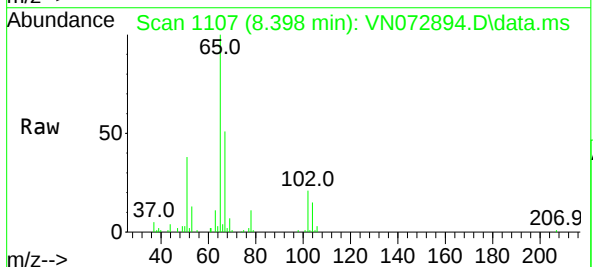
Acq: 16 Jun 2022 21:39

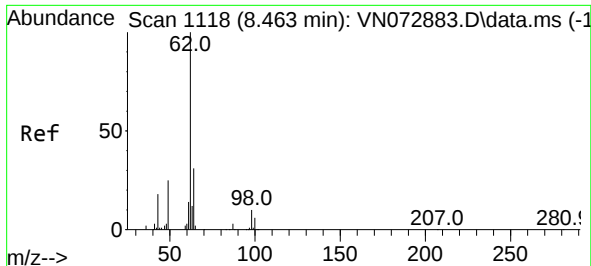
Tgt Ion: 78 Resp: 8810

Ion Ratio Lower Upper

78 100

77 21.2 19.4 29.0





#42

1,2-Dichloroethane

Concen: 0.390 ug/l

RT: 8.463 min Scan# 1118

Delta R.T. 0.000 min

Lab File: VN072894.D

Acq: 16 Jun 2022 21:39

Instrument :

MSVOA\_N

ClientSampleId :

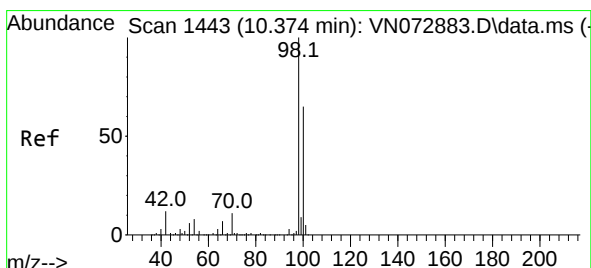
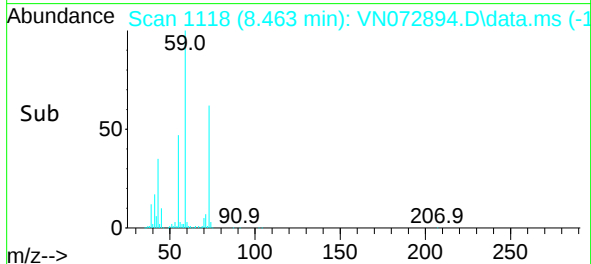
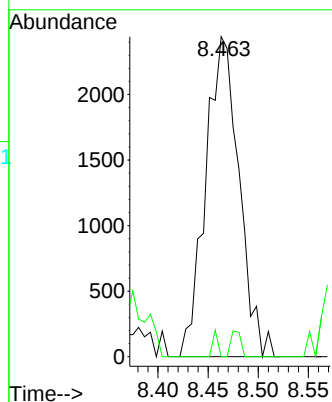
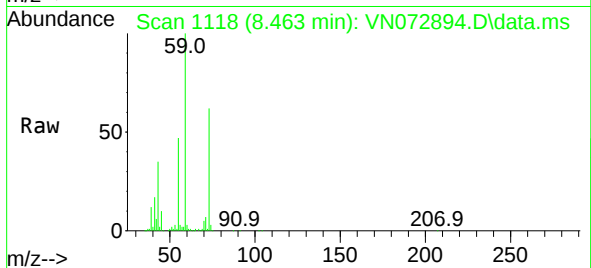
MW-30

Tgt Ion: 62 Resp: 5665

Ion Ratio Lower Upper

62 100

98 1.3 0.0 19.4



#50

Toluene-d8

Concen: 36.431 ug/l

RT: 10.375 min Scan# 1443

Delta R.T. 0.000 min

Lab File: VN072894.D

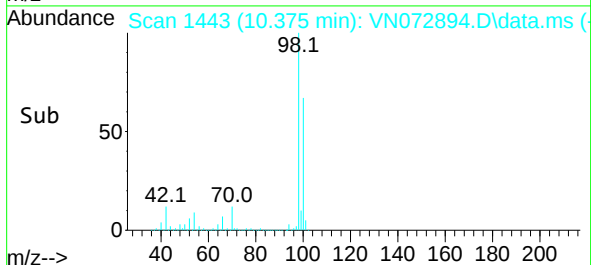
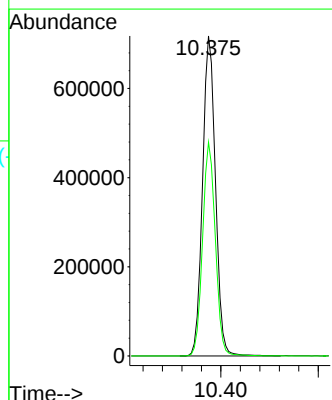
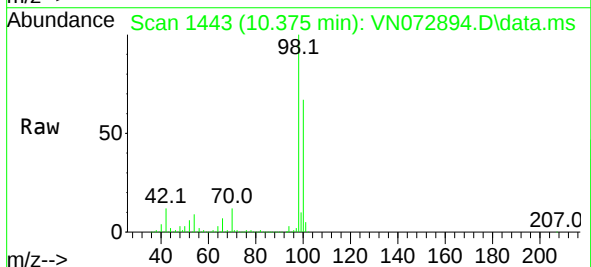
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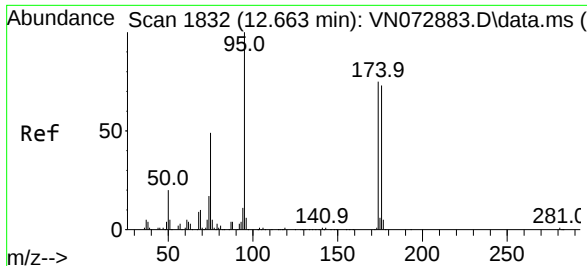
Tgt Ion: 98 Resp: 1318874

Ion Ratio Lower Upper

98 100

100 66.2 52.6 78.8

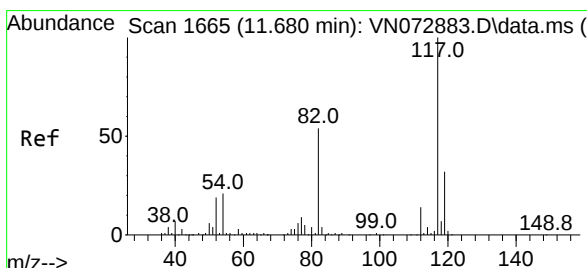
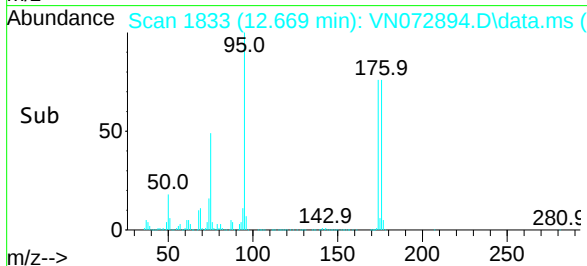
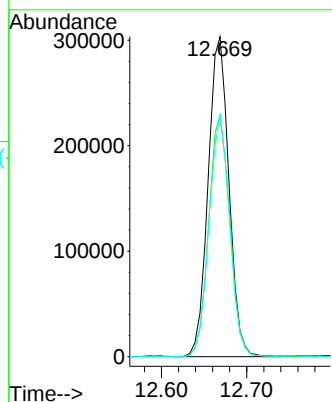
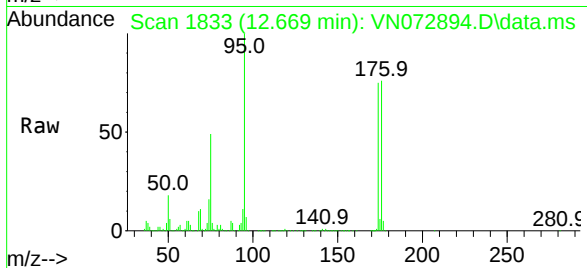




#62  
4-Bromofluorobenzene  
Concen: 40.834 ug/l  
RT: 12.669 min Scan# 1832  
Delta R.T. 0.006 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

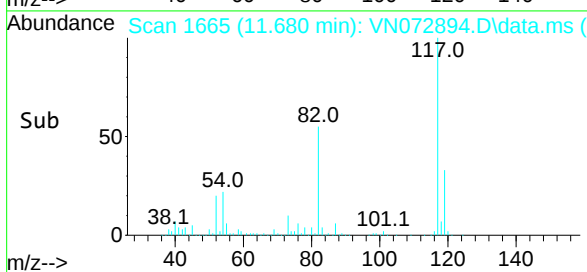
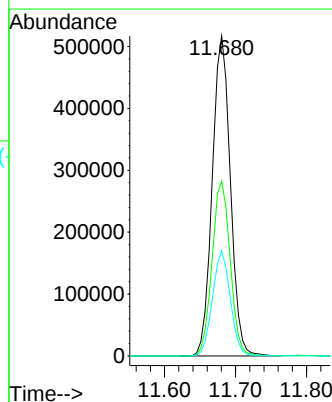
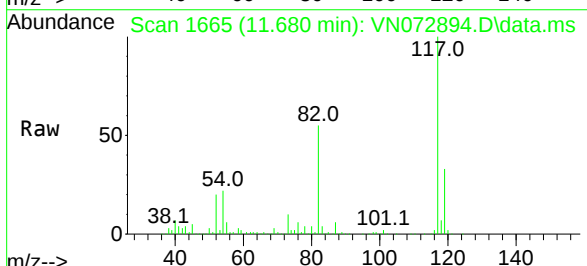
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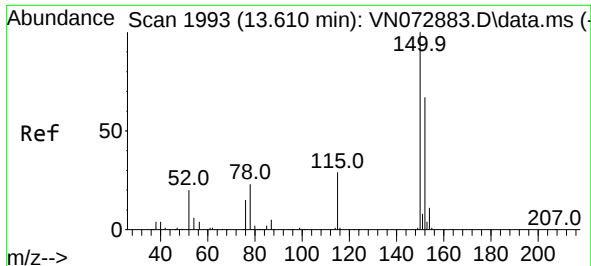
Tgt Ion: 95 Resp: 512803  
Ion Ratio Lower Upper  
95 100  
174 76.9 0.0 167.6  
176 74.9 0.0 163.4



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.680 min Scan# 1665  
Delta R.T. 0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

Tgt Ion: 117 Resp: 915710  
Ion Ratio Lower Upper  
117 100  
82 54.6 44.2 66.2  
119 32.9 25.4 38.0

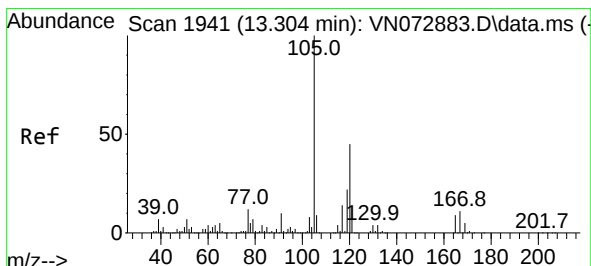
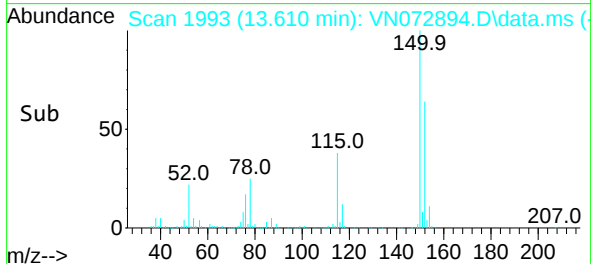
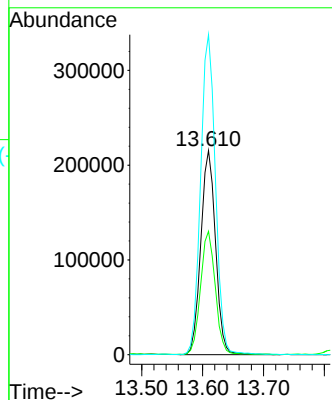
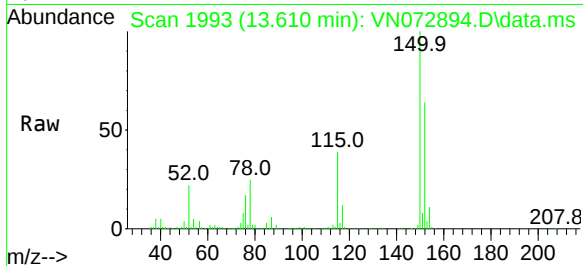




#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.610 min Scan# 1993  
Delta R.T. 0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

Instrument :  
MSVOA\_N  
ClientSampleId :  
MW-30

Tgt Ion:152 Resp: 362606  
Ion Ratio Lower Upper  
152 100  
115 59.8 28.9 86.7  
150 157.0 0.0 356.2



#84  
1,2,4-Trimethylbenzene  
Concen: 0.682 ug/l  
RT: 13.304 min Scan# 1941  
Delta R.T. 0.000 min  
Lab File: VN072894.D  
Acq: 16 Jun 2022 21:39

Tgt Ion:105 Resp: 18177  
Ion Ratio Lower Upper  
105 100  
120 49.8 23.3 69.8

