

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092021\  
 Data File : VY006092.D  
 Acq On : 20 Sep 2021 13:36  
 Operator : SY/MD  
 Sample : M3770-04  
 Misc : 6.04G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 8 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 DUPLICATE-1

Quant Time: Sep 21 02:10:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091421S.M  
 Quant Title : SW846 8260  
 QLast Update : Wed Sep 15 05:01:47 2021  
 Response via : Initial Calibration

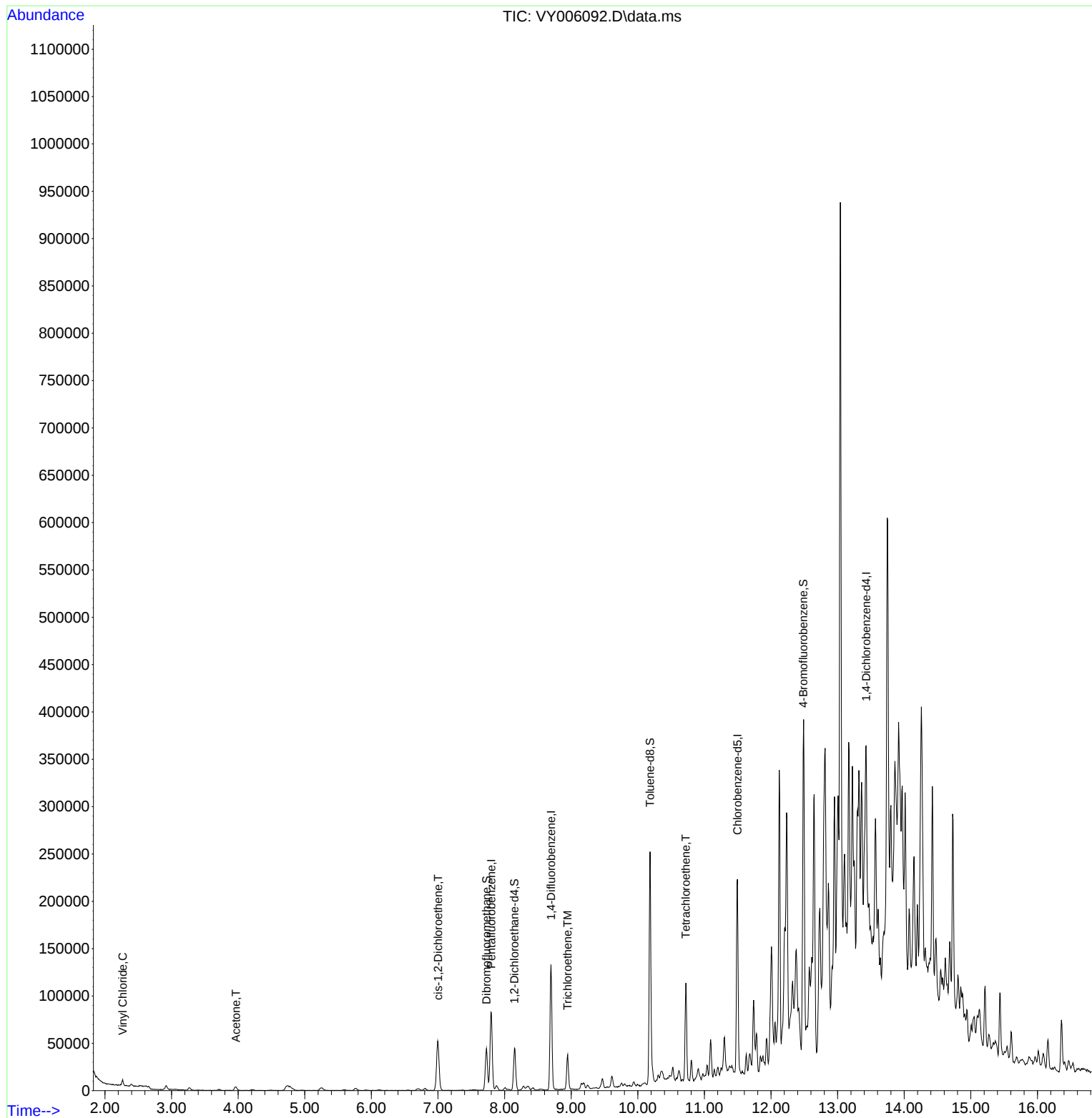
| Compound                    | R.T.           | QIon | Response   | Conc     | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|----------|-------|----------|
| -----                       |                |      |            |          |       |          |
| Internal Standards          |                |      |            |          |       |          |
| 1) Pentafluorobenzene       | 7.801          | 168  | 64576      | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697          | 114  | 105584     | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496         | 117  | 108541     | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 55253      | 50.000   | ug/l  | 0.00     |
|                             |                |      |            |          |       |          |
| System Monitoring Compounds |                |      |            |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149          | 65   | 36427      | 40.610   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 81.220%  |       |          |
| 35) Dibromofluoromethane    | 7.728          | 113  | 30081      | 45.869   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 91.740%  |       |          |
| 50) Toluene-d8              | 10.185         | 98   | 141596     | 50.660   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 101.320% |       |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 52811      | 55.651   | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 111.300% |       |          |
|                             |                |      |            |          |       |          |
| Target Compounds            |                |      |            |          |       | Qvalue   |
| 4) Vinyl Chloride           | 2.266          | 62   | 4483       | 4.681    | ug/l  | 96       |
| 16) Acetone                 | 3.966          | 43   | 7081       | 28.781   | ug/l  | 99       |
| 27) cis-1,2-Dichloroethene  | 7.002          | 96   | 30542      | 37.864   | ug/l  | 85       |
| 44) Trichloroethene         | 8.947          | 130  | 11673      | 14.334   | ug/l  | 86       |
| 64) Tetrachloroethene       | 10.721         | 164  | 21574      | 24.302   | ug/l  | 98       |
| -----                       |                |      |            |          |       |          |

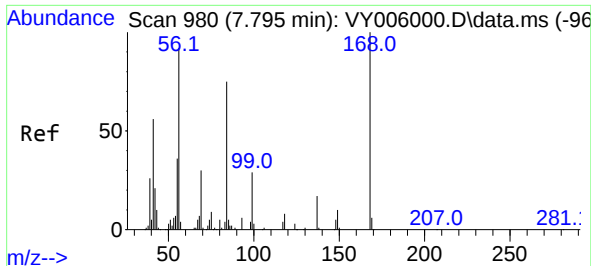
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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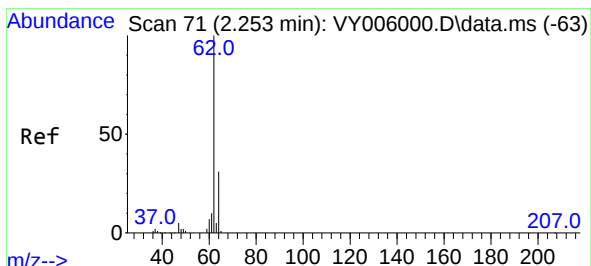
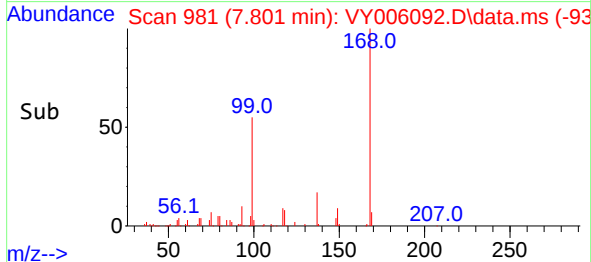
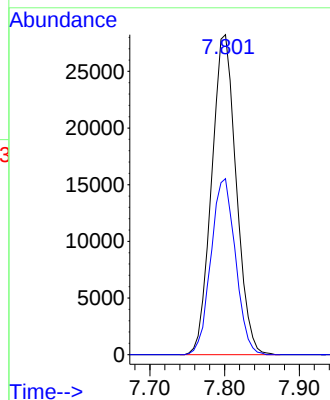
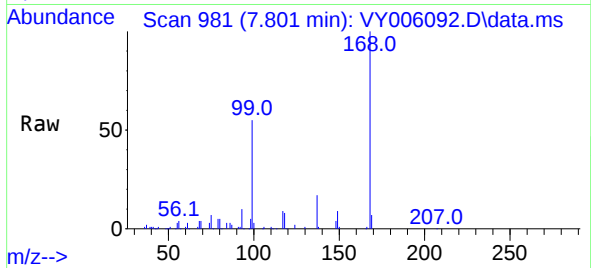




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

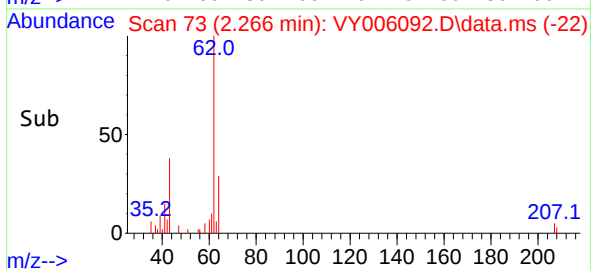
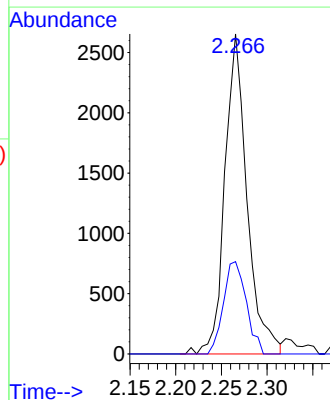
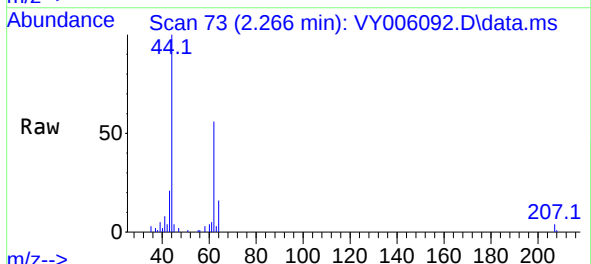
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DUPLICATE-1

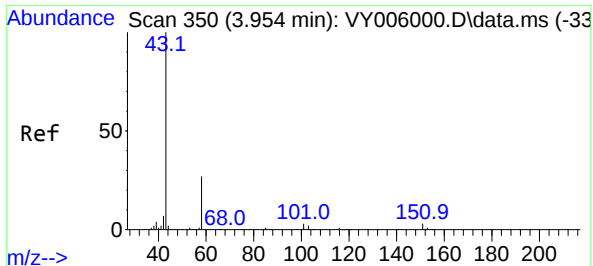
Tgt Ion:168 Resp: 64576  
Ion Ratio Lower Upper  
168 100  
99 55.0 46.9 70.3



#4  
Vinyl Chloride  
Concen: 4.681 ug/l  
RT: 2.266 min Scan# 73  
Delta R.T. 0.012 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

Tgt Ion: 62 Resp: 4483  
Ion Ratio Lower Upper  
62 100  
64 28.8 25.0 37.6

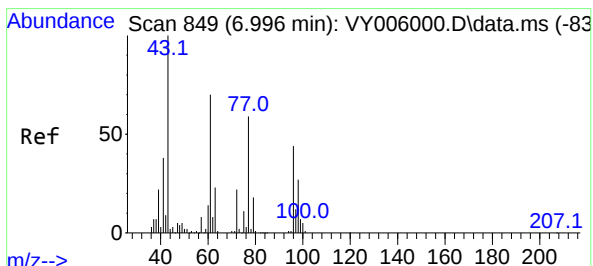
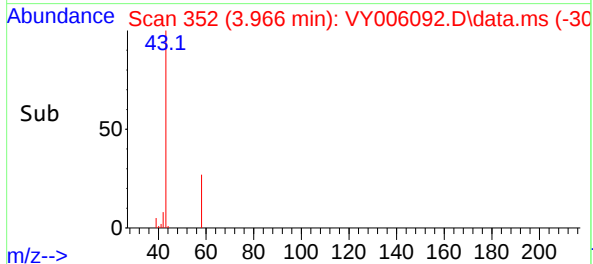
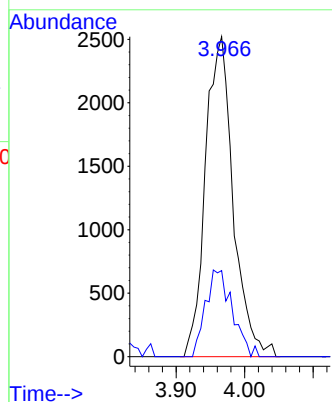
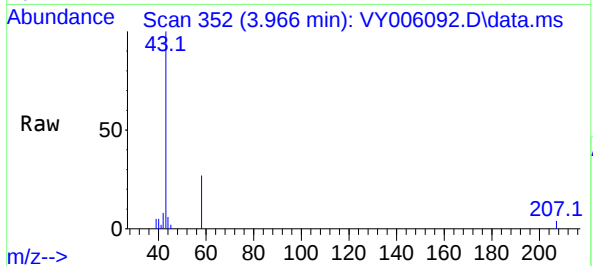




#16  
Acetone  
Concen: 28.781 ug/l  
RT: 3.966 min Scan# 352  
Delta R.T. 0.012 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

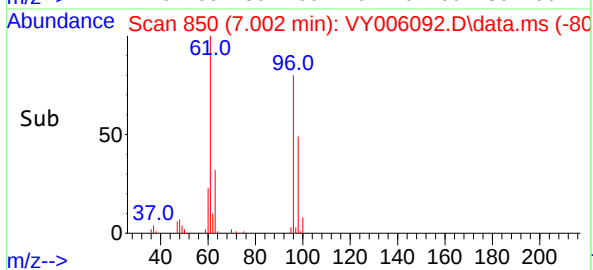
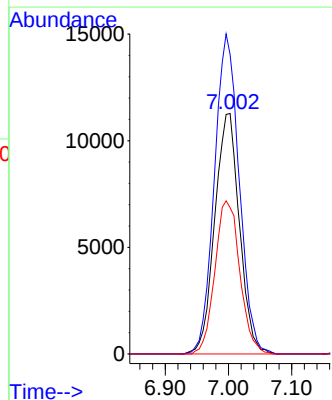
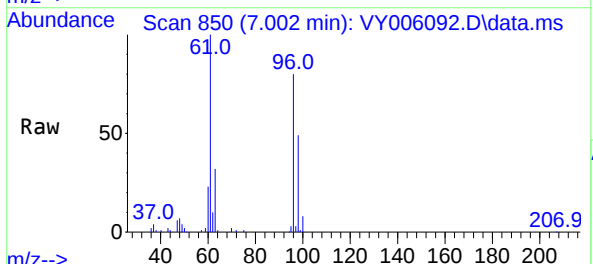
Instrument :  
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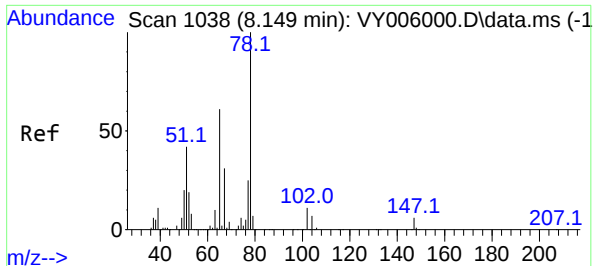
Tgt Ion: 43 Resp: 7081  
Ion Ratio Lower Upper  
43 100  
58 26.9 22.0 33.0



#27  
cis-1,2-Dichloroethene  
Concen: 37.864 ug/l  
RT: 7.002 min Scan# 850  
Delta R.T. 0.006 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

Tgt Ion: 96 Resp: 30542  
Ion Ratio Lower Upper  
96 100  
61 133.4 0.0 319.8  
98 64.2 0.0 127.0

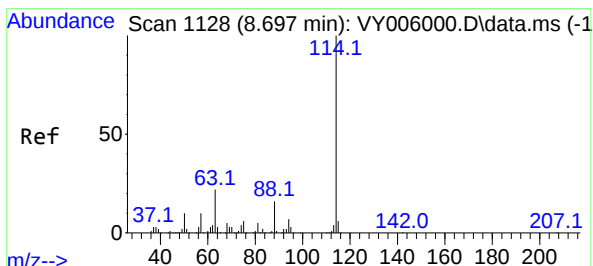
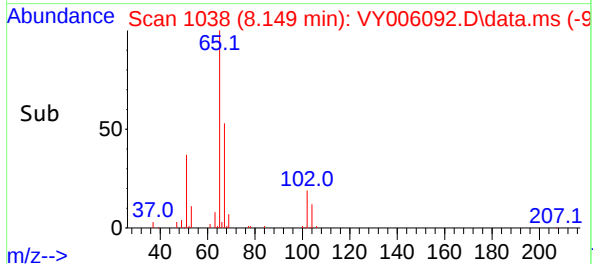
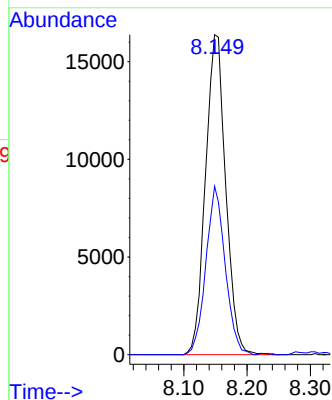
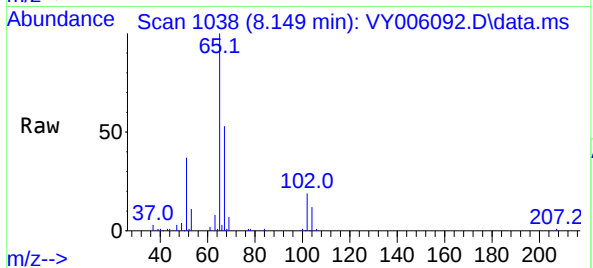




#33  
1,2-Dichloroethane-d4  
Concen: 40.610 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

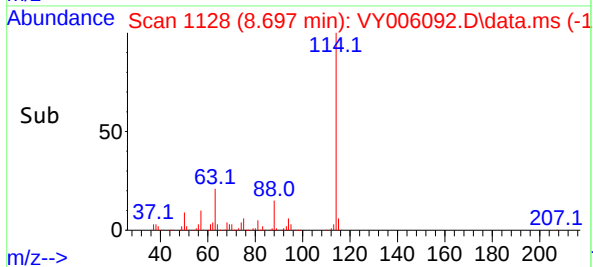
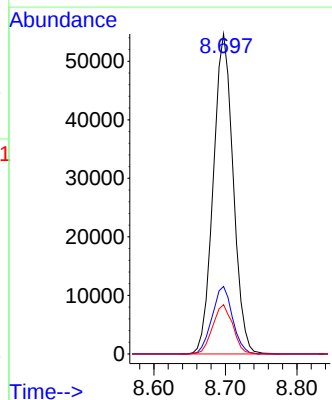
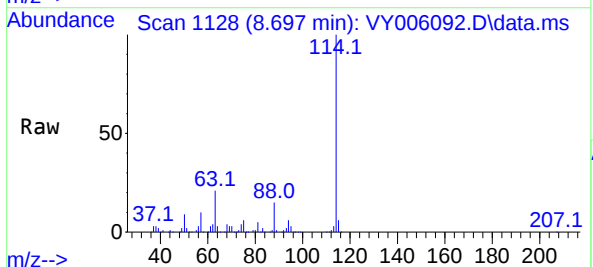
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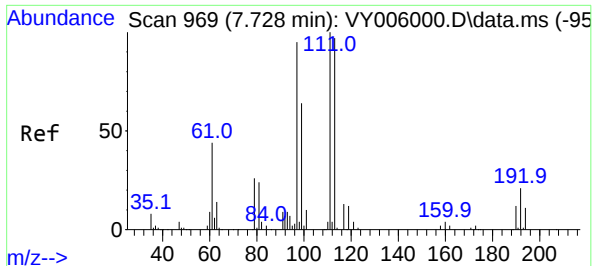
Tgt Ion: 65 Resp: 36427  
Ion Ratio Lower Upper  
65 100  
67 50.3 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

Tgt Ion: 114 Resp: 105584  
Ion Ratio Lower Upper  
114 100  
63 21.1 0.0 43.2  
88 15.4 0.0 31.8

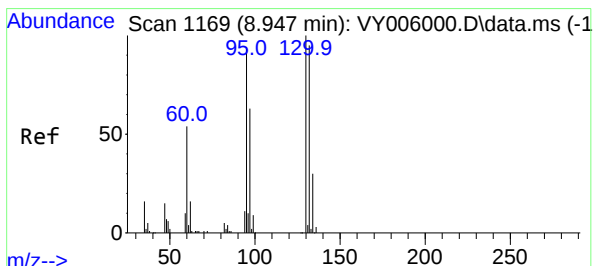
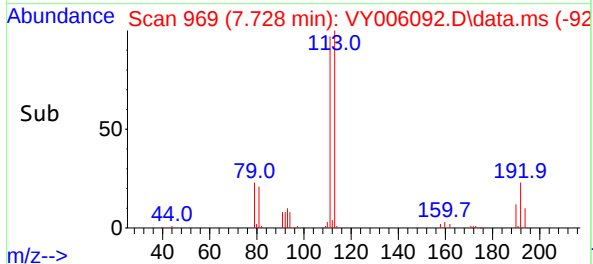
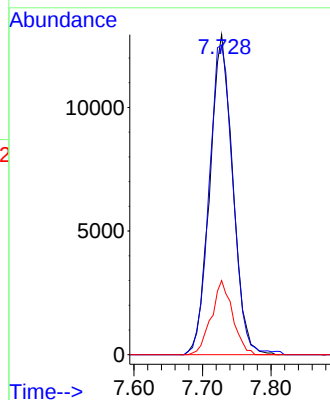
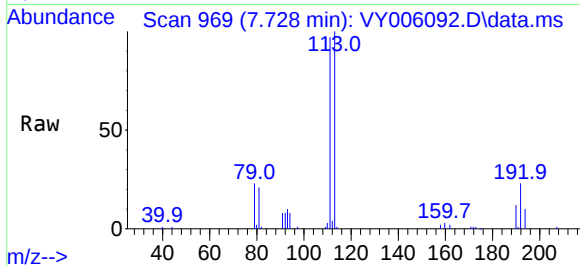




#35  
Dibromofluoromethane  
Concen: 45.869 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

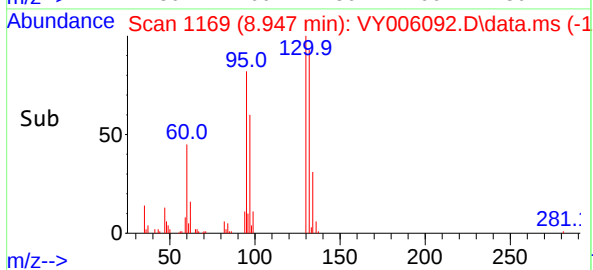
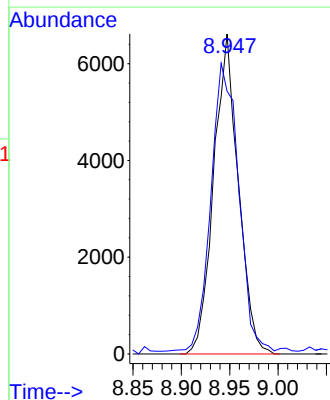
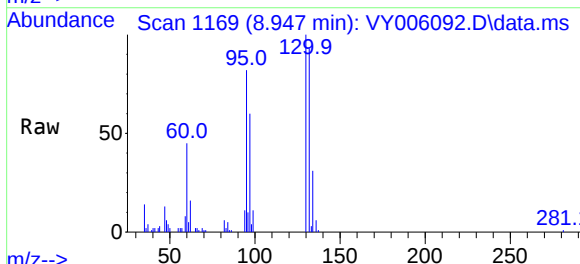
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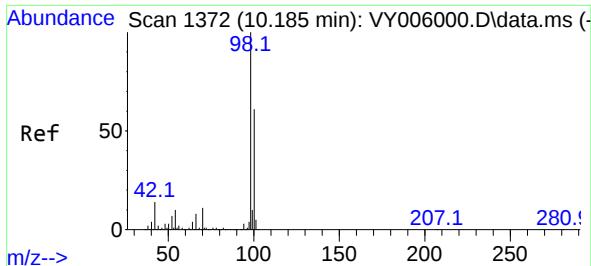
Tgt Ion:113 Resp: 30081  
Ion Ratio Lower Upper  
113 100  
111 100.6 82.6 124.0  
192 21.4 17.6 26.4



#44  
Trichloroethene  
Concen: 14.334 ug/l  
RT: 8.947 min Scan# 1169  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

Tgt Ion:130 Resp: 11673  
Ion Ratio Lower Upper  
130 100  
95 80.9 0.0 188.2

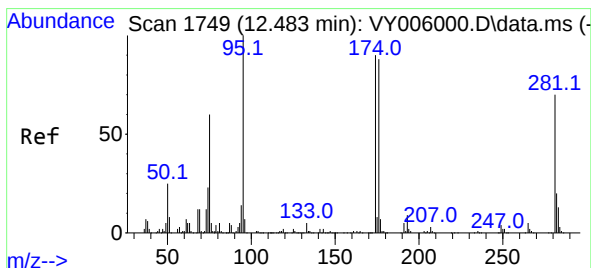
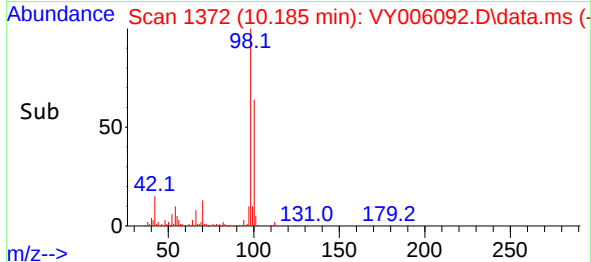
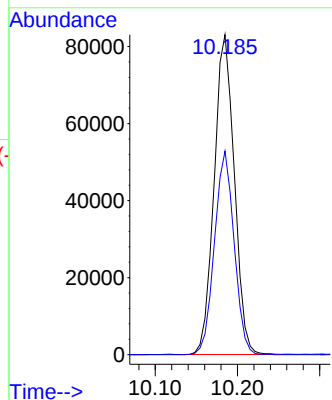
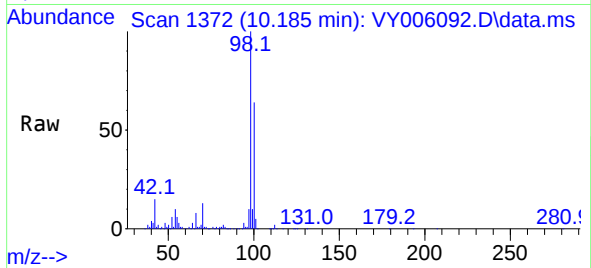




#50  
Toluene-d8  
Concen: 50.660 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

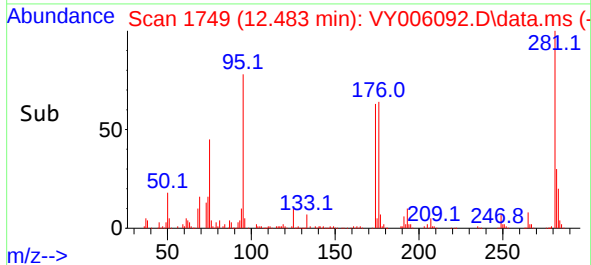
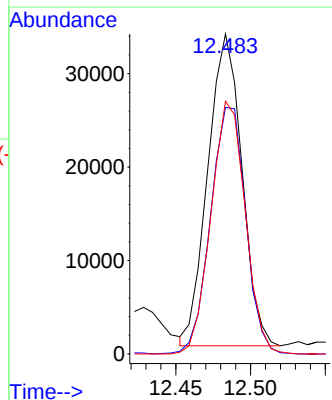
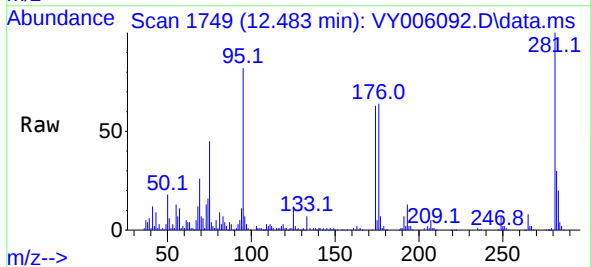
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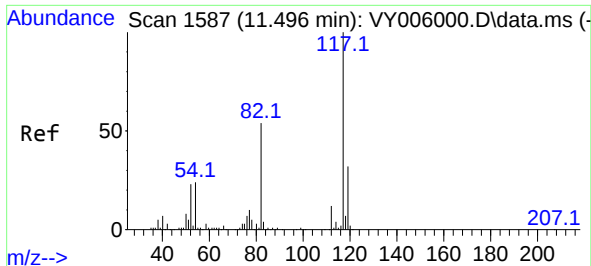
Tgt Ion: 98 Resp: 141596  
Ion Ratio Lower Upper  
98 100  
100 62.0 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 55.651 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

Tgt Ion: 95 Resp: 52811  
Ion Ratio Lower Upper  
95 100  
174 81.8 0.0 177.0  
176 81.3 0.0 175.8

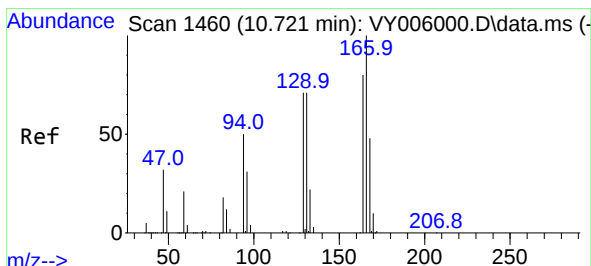
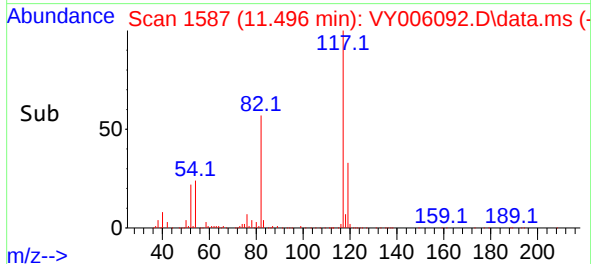
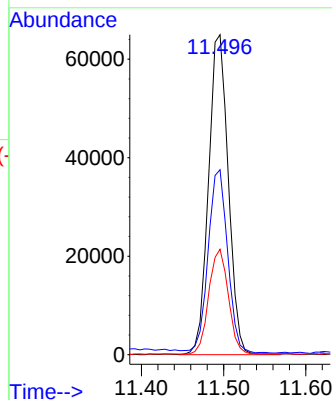
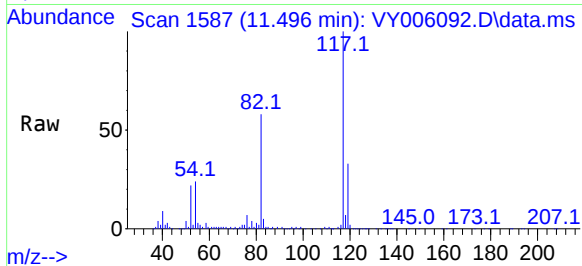




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
Acq: 20 Sep 2021 13:36

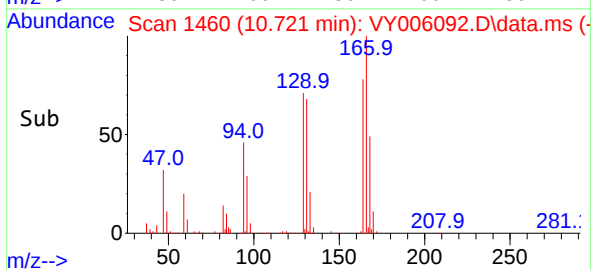
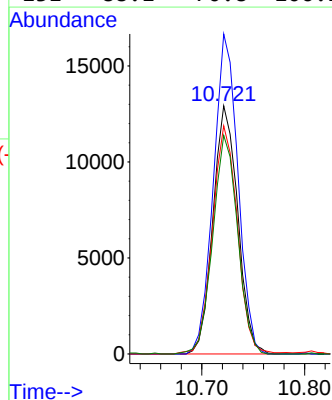
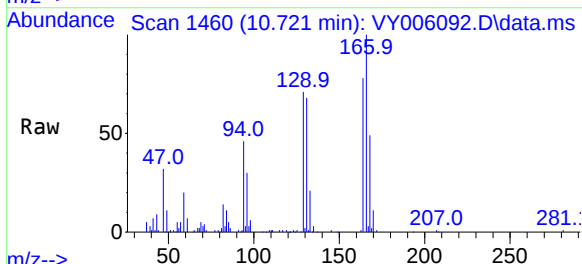
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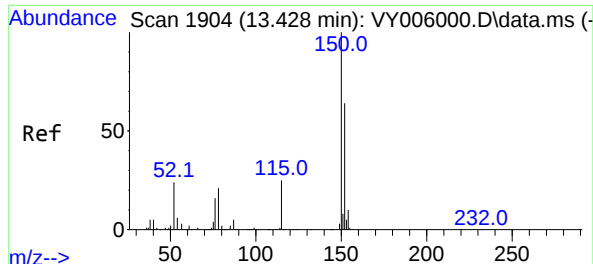
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 117   | Resp: | 108541 |
| Ion      | Ratio | Lower | Upper  |
| 117      | 100   |       |        |
| 82       | 57.2  | 43.0  | 64.4   |
| 119      | 32.7  | 25.4  | 38.0   |



#64  
Tetrachloroethene  
Concen: 24.302 ug/l  
RT: 10.721 min Scan# 1460  
Delta R.T. -0.000 min  
Lab File: VY006092.D  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 164   | Resp: | 21574 |
| Ion      | Ratio | Lower | Upper |
| 164      | 100   |       |       |
| 166      | 129.0 | 100.4 | 150.6 |
| 129      | 91.4  | 71.4  | 107.0 |
| 131      | 88.1  | 70.8  | 106.2 |





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY006092.D  
 Acq: 20 Sep 2021 13:36

Instrument :  
 MSVOA\_Y  
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Tgt Ion:152 Resp: 55253  
 Ion Ratio Lower Upper  
 152 100  
 115 53.3 28.2 84.7  
 150 146.7 0.0 347.6

