

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
 Data File : VY006163.D  
 Acq On : 27 Sep 2021 15:11  
 Operator : SY/MD  
 Sample : M3950-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 HD-02-092421

Quant Time: Sep 28 06:20:43 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

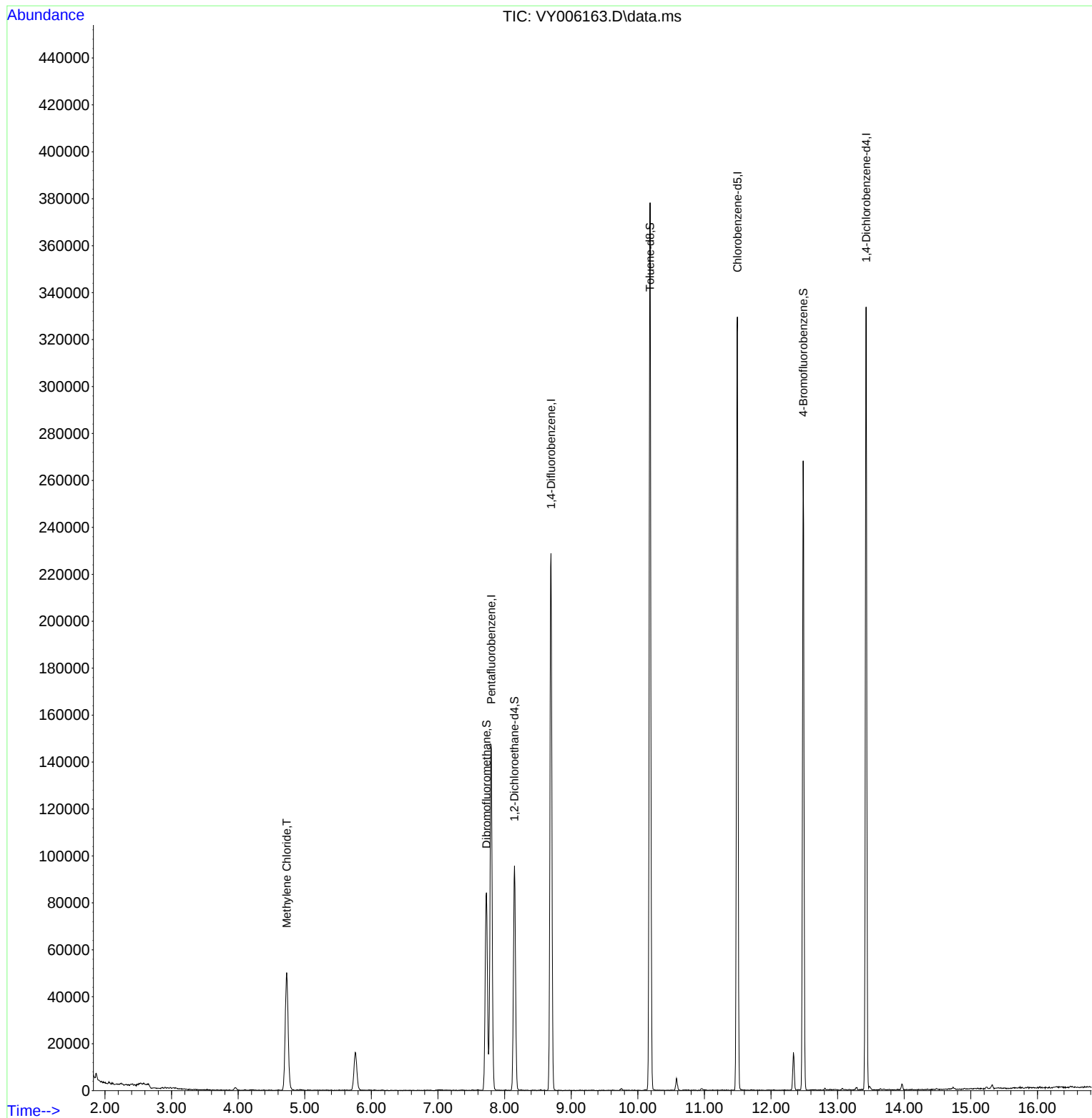
| Compound                    | R.T.           | QIon | Response   | Conc    | Units | Dev(Min) |
|-----------------------------|----------------|------|------------|---------|-------|----------|
| -----                       |                |      |            |         |       |          |
| Internal Standards          |                |      |            |         |       |          |
| 1) Pentafluorobenzene       | 7.801          | 168  | 117360     | 50.000  | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.697          | 114  | 192648     | 50.000  | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496         | 117  | 176370     | 50.000  | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428         | 152  | 81933      | 50.000  | ug/l  | 0.00     |
|                             |                |      |            |         |       |          |
| System Monitoring Compounds |                |      |            |         |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149          | 65   | 79090      | 48.516  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 50 - 163 |      | Recovery = | 97.040% |       |          |
| 35) Dibromofluoromethane    | 7.728          | 113  | 57755      | 48.267  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 54 - 147 |      | Recovery = | 96.540% |       |          |
| 50) Toluene-d8              | 10.185         | 98   | 236714     | 46.416  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 49 - 140 |      | Recovery = | 92.840% |       |          |
| 62) 4-Bromofluorobenzene    | 12.483         | 95   | 73745      | 42.591  | ug/l  | 0.00     |
| Spiked Amount 50.000        | Range 25 - 144 |      | Recovery = | 85.180% |       |          |
|                             |                |      |            |         |       |          |
| Target Compounds            |                |      |            |         |       | Qvalue   |
| 20) Methylene Chloride      | 4.729          | 84   | 36506      | 23.726  | ug/l  | 90       |
| -----                       |                |      |            |         |       |          |

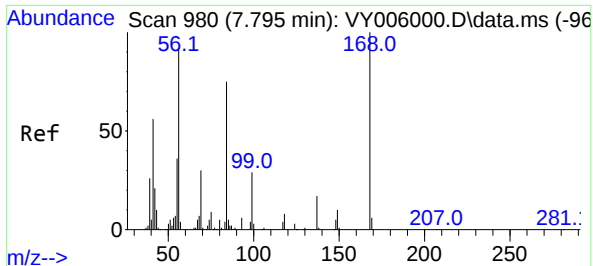
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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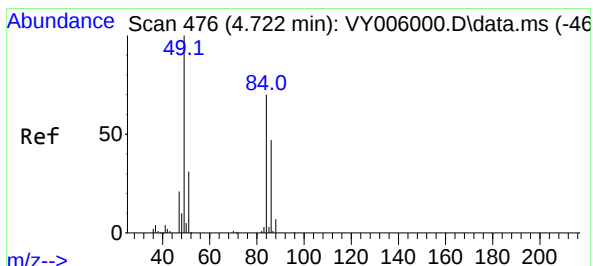
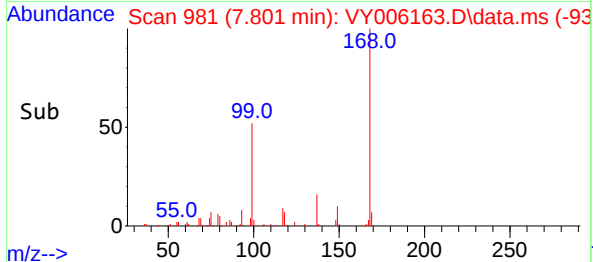
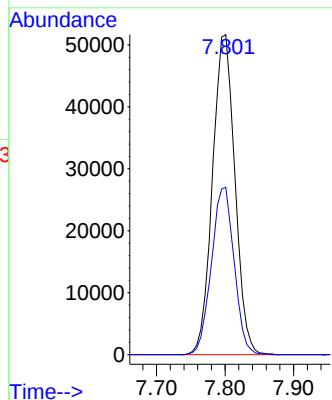
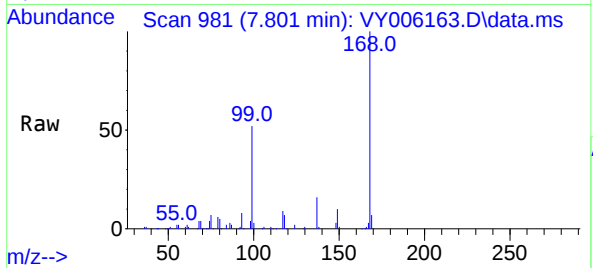




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.006 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

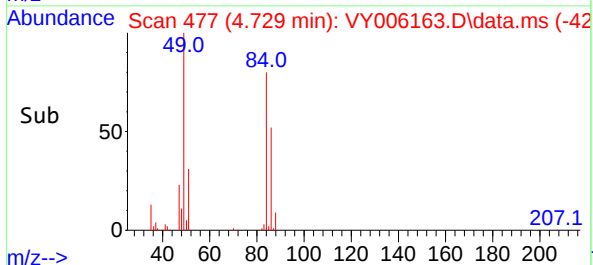
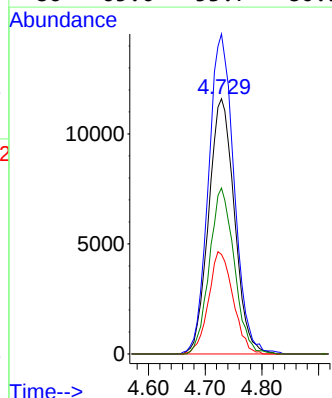
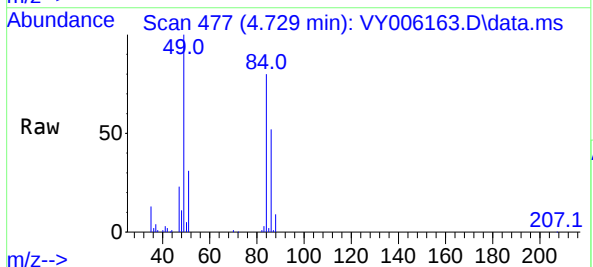
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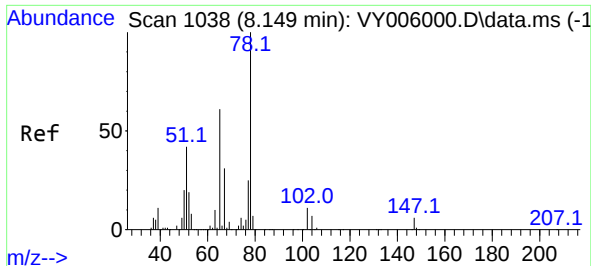
Tgt Ion:168 Resp: 117360  
Ion Ratio Lower Upper  
168 100  
99 52.3 46.9 70.3



#20  
Methylene Chloride  
Concen: 23.726 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. 0.006 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Tgt Ion: 84 Resp: 36506  
Ion Ratio Lower Upper  
84 100  
49 125.4 114.4 171.6  
51 39.0 35.3 52.9  
86 65.0 53.7 80.5

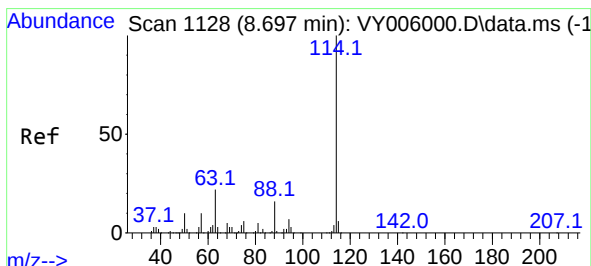
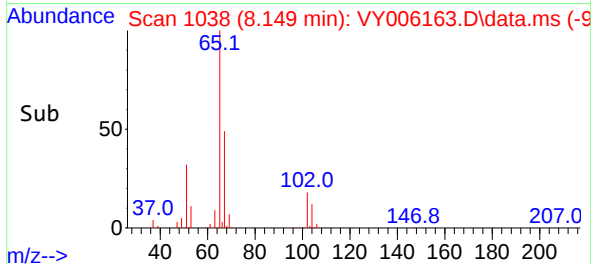
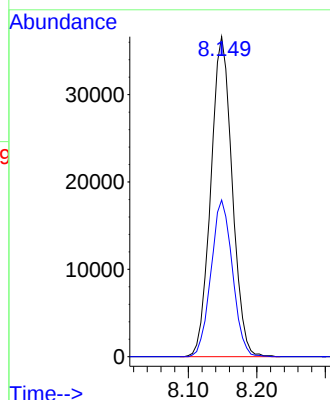
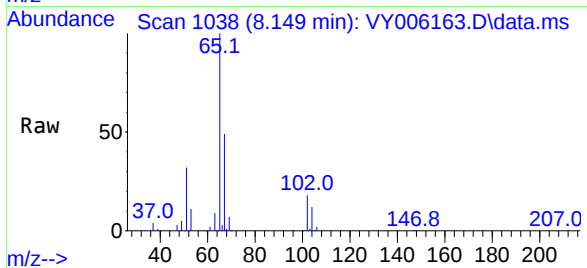




#33  
1,2-Dichloroethane-d4  
Concen: 48.516 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

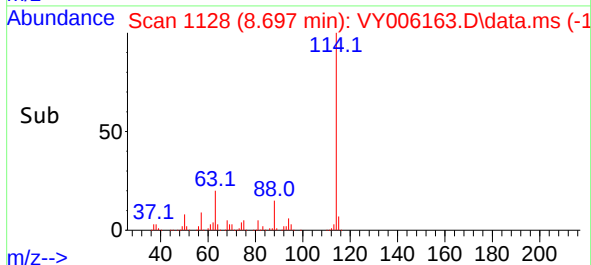
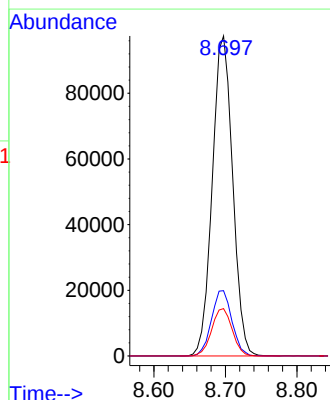
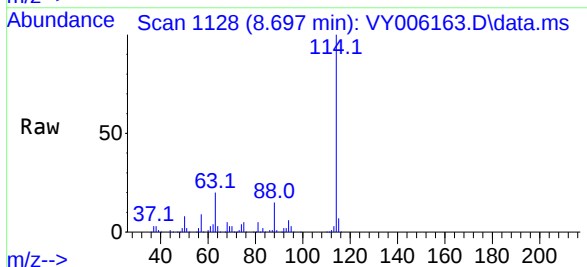
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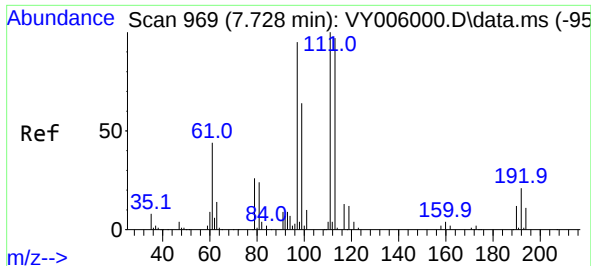
Tgt Ion: 65 Resp: 79090  
Ion Ratio Lower Upper  
65 100  
67 49.2 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Tgt Ion: 114 Resp: 192648  
Ion Ratio Lower Upper  
114 100  
63 20.4 0.0 43.2  
88 14.8 0.0 31.8

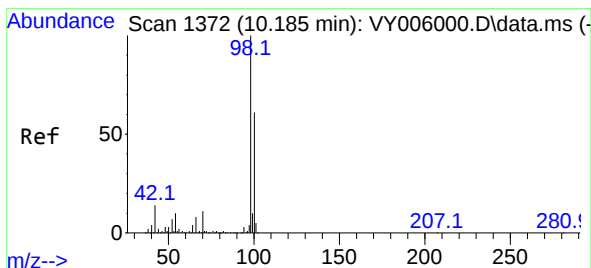
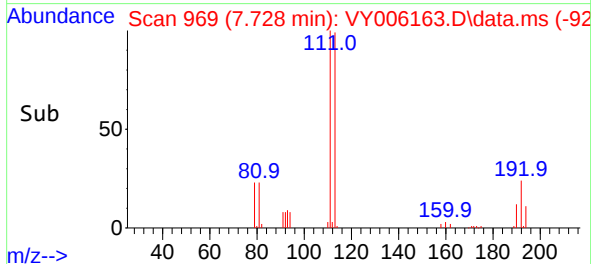
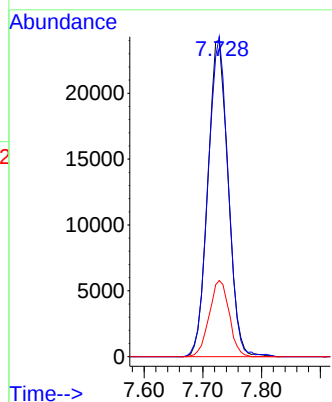
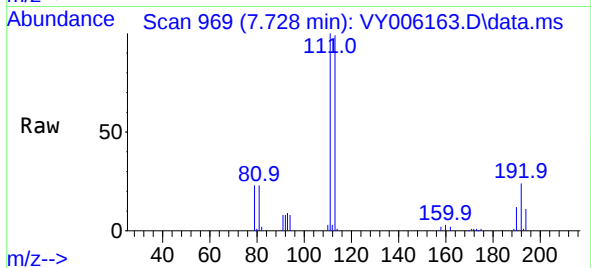




#35  
Dibromofluoromethane  
Concen: 48.267 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

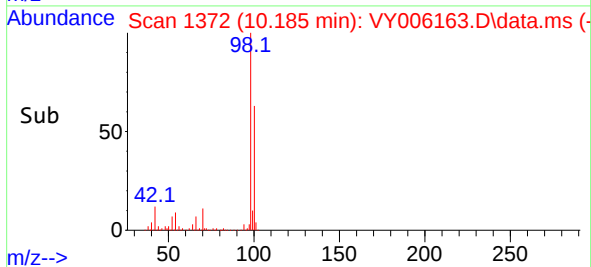
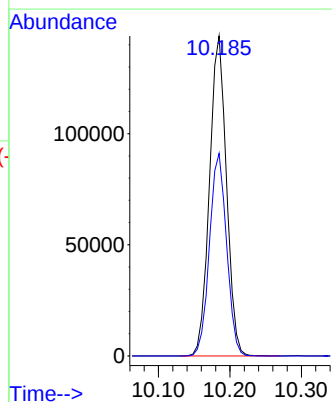
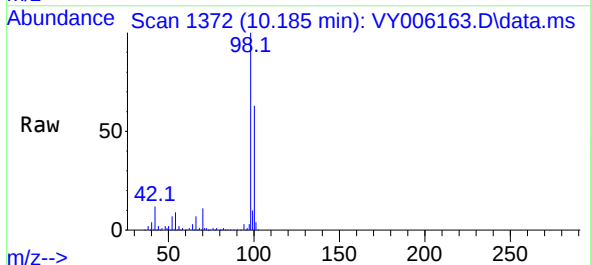
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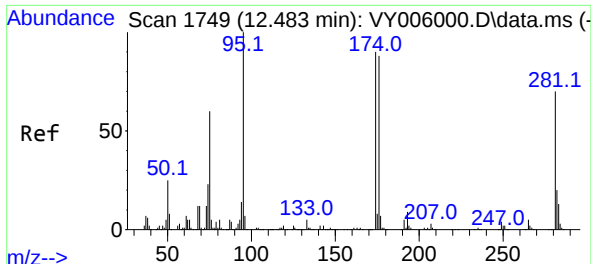
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 57755 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 99.9  | 82.6  | 124.0 |
| 192      | 23.6  | 17.6  | 26.4  |



#50  
Toluene-d8  
Concen: 46.416 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 236714 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 63.9  | 50.2  | 75.2   |

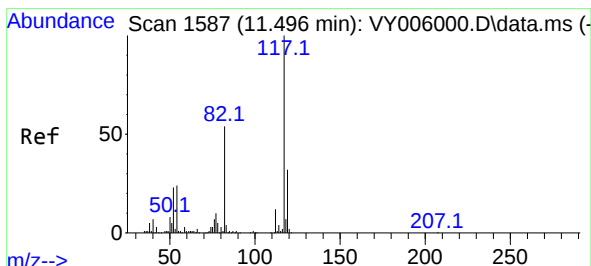
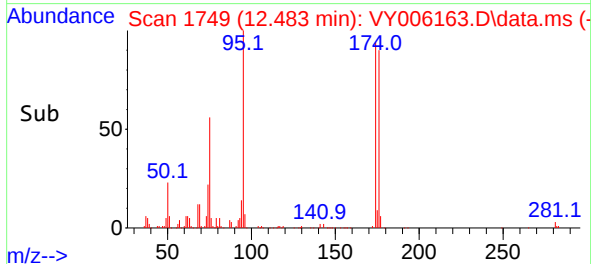
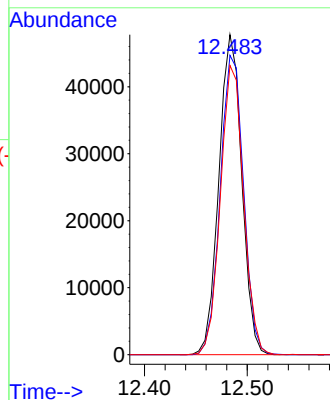
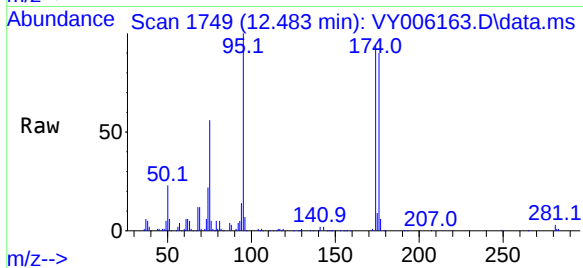




#62  
4-Bromofluorobenzene  
Concen: 42.591 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

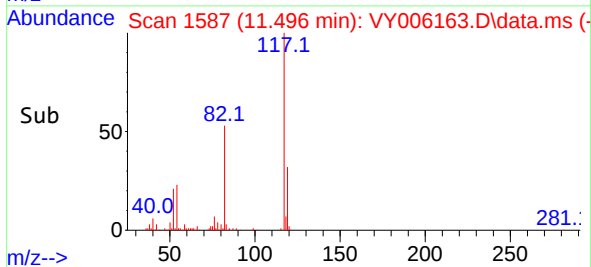
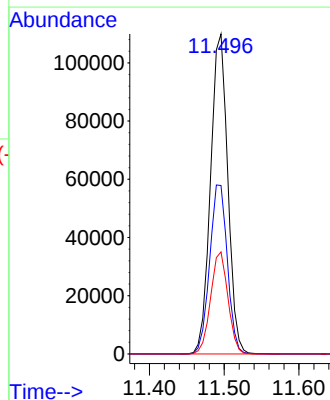
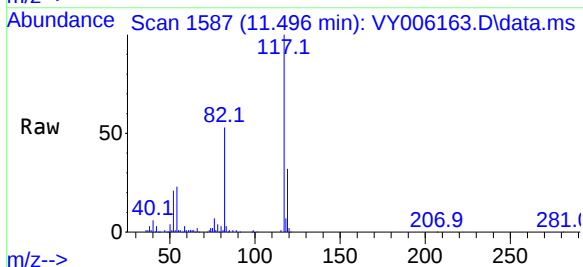
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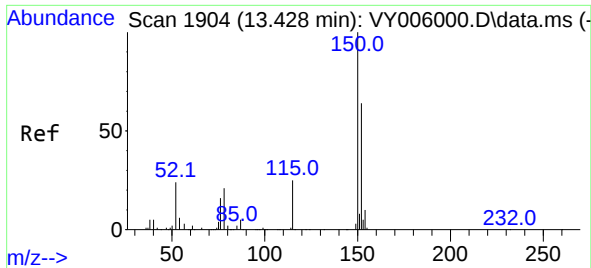
Tgt Ion: 95 Resp: 73745  
Ion Ratio Lower Upper  
95 100  
174 95.2 0.0 177.0  
176 91.3 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006163.D  
Acq: 27 Sep 2021 15:11

Tgt Ion: 117 Resp: 176370  
Ion Ratio Lower Upper  
117 100  
82 52.6 43.0 64.4  
119 31.9 25.4 38.0





#72  
 1,4-Dichlorobenzene-d4  
 Concen: 50.000 ug/l  
 RT: 13.428 min Scan# 1904  
 Delta R.T. -0.000 min  
 Lab File: VY006163.D  
 Acq: 27 Sep 2021 15:11

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
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|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 81933 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.7  | 28.2  | 84.7  |
| 150      | 157.2 | 0.0   | 347.6 |

