

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY092721\  
 Data File : VY006170.D  
 Acq On : 27 Sep 2021 17:54  
 Operator : SY/MD  
 Sample : M3947-01  
 Misc : 5.00G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

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

Quant Time: Sep 28 06:22:38 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

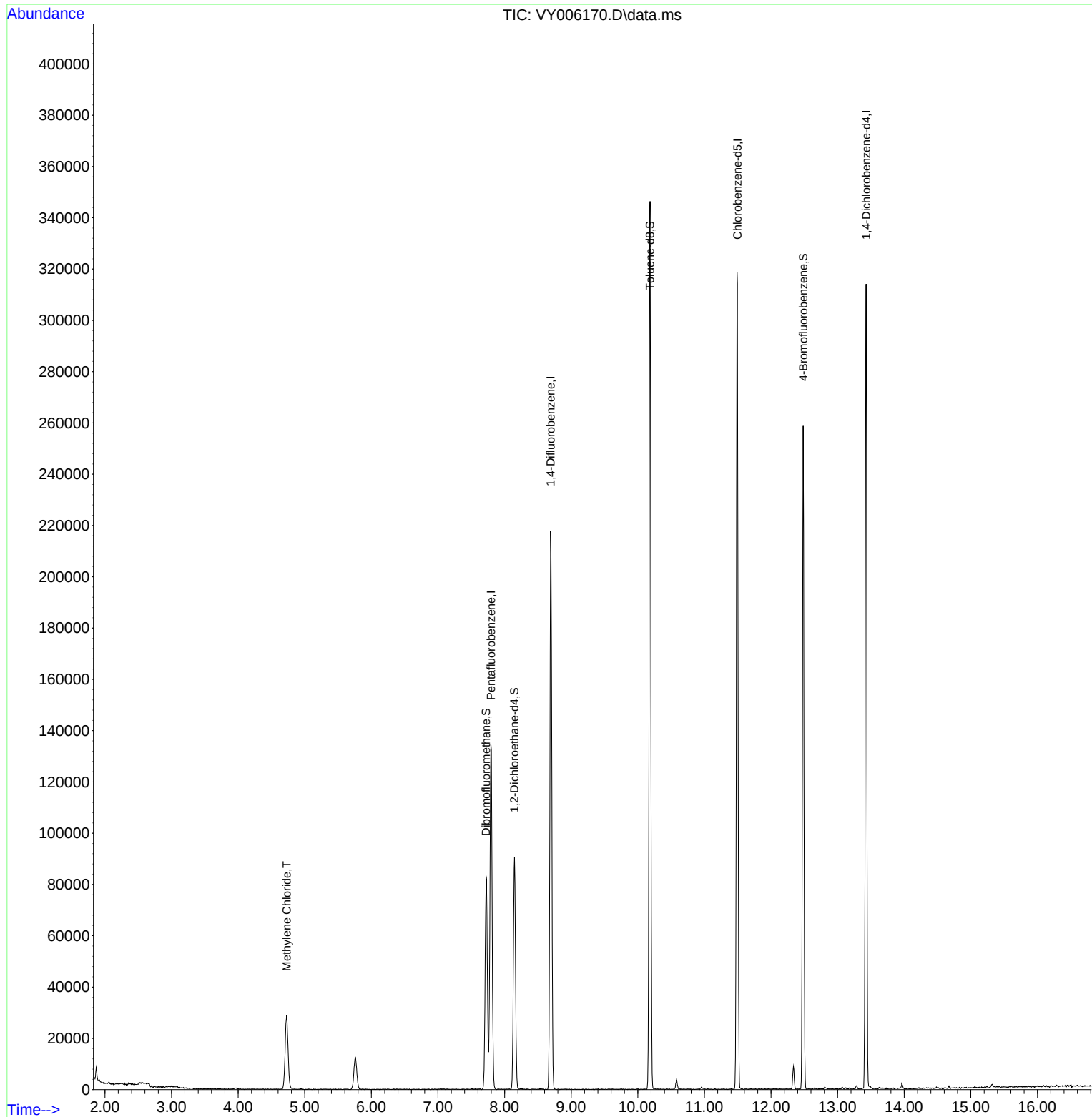
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|-------|----------|
| -----                       |        |       |          |          |       |          |
| Internal Standards          |        |       |          |          |       |          |
| 1) Pentafluorobenzene       | 7.795  | 168   | 108345   | 50.000   | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 180976   | 50.000   | ug/l  | 0.00     |
| 63) Chlorobenzene-d5        | 11.496 | 117   | 169560   | 50.000   | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.428 | 152   | 80764    | 50.000   | ug/l  | 0.00     |
|                             |        |       |          |          |       |          |
| System Monitoring Compounds |        |       |          |          |       |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 76038    | 50.524   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 101.040% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 54812    | 48.762   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 97.520%  |
| 50) Toluene-d8              | 10.185 | 98    | 224012   | 46.758   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 93.520%  |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 70263    | 43.197   | ug/l  | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 86.400%  |
|                             |        |       |          |          |       |          |
| Target Compounds            |        |       |          |          |       |          |
| 20) Methylene Chloride      | 4.729  | 84    | 20492    | 12.417   | ug/l  | 90       |
| -----                       |        |       |          |          |       |          |

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

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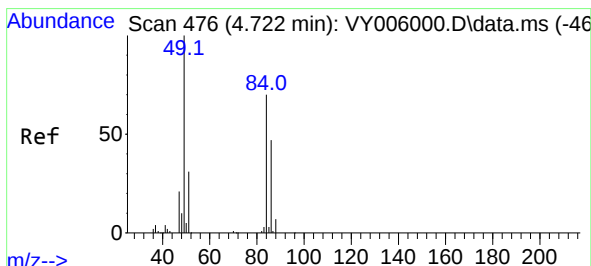
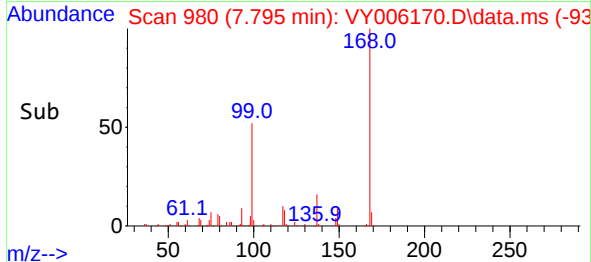
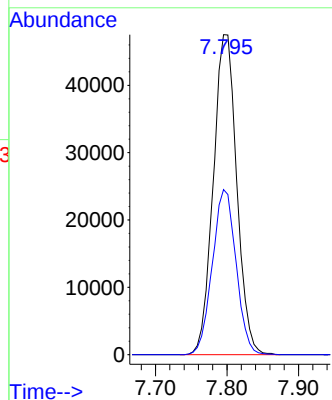
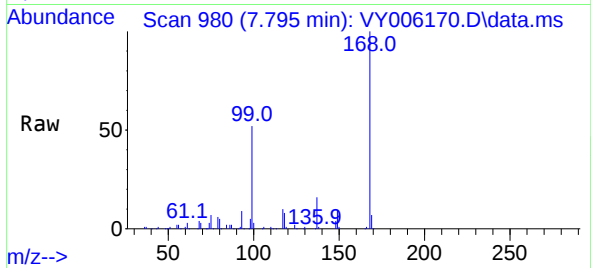




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

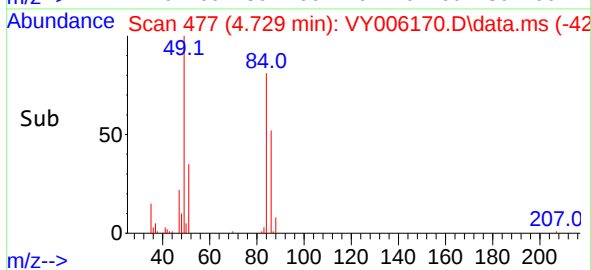
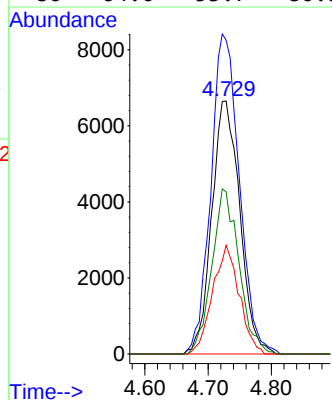
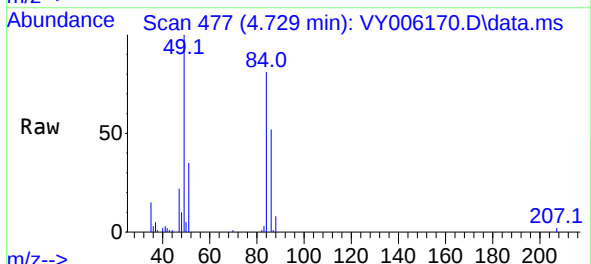
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CL-02-092421

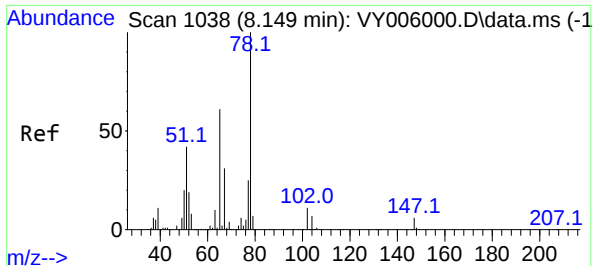
Tgt Ion:168 Resp: 108345  
Ion Ratio Lower Upper  
168 100  
99 51.6 46.9 70.3



#20  
Methylene Chloride  
Concen: 12.417 ug/l  
RT: 4.729 min Scan# 477  
Delta R.T. 0.007 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

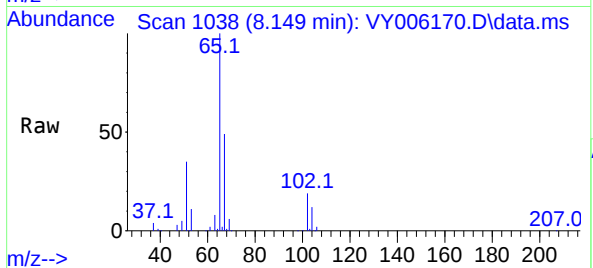
Tgt Ion: 84 Resp: 20492  
Ion Ratio Lower Upper  
84 100  
49 124.0 114.4 171.6  
51 43.0 35.3 52.9  
86 64.0 53.7 80.5



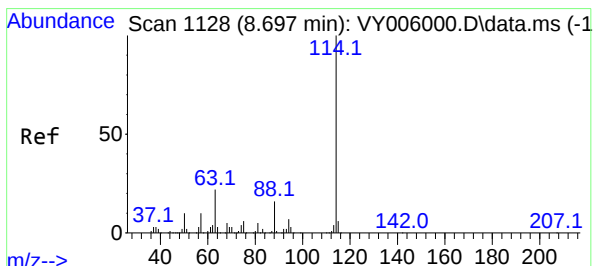
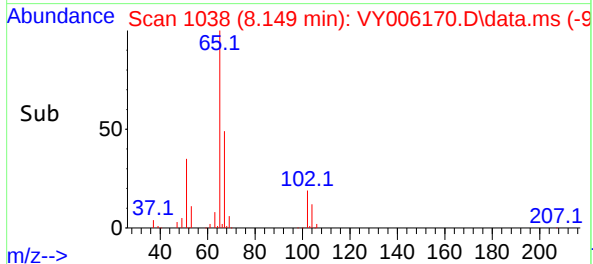
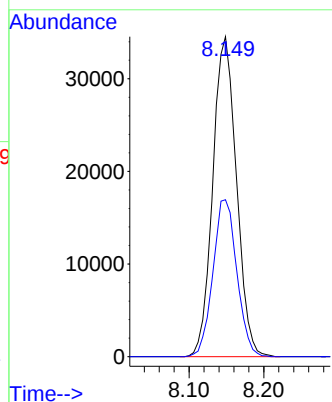


#33  
1,2-Dichloroethane-d4  
Concen: 50.524 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. 0.000 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

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

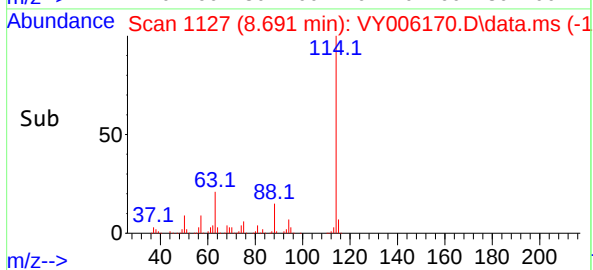
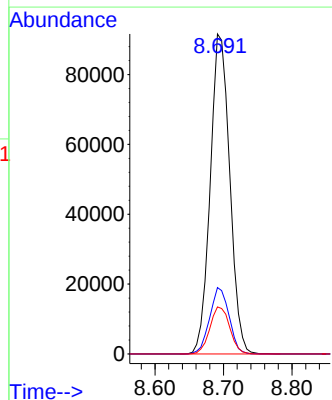
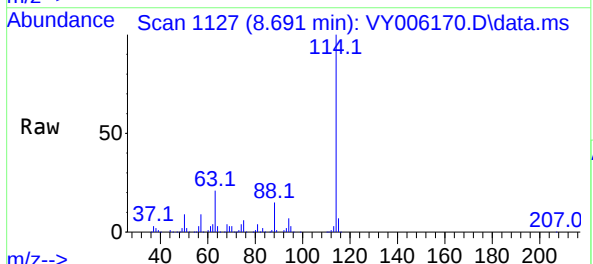


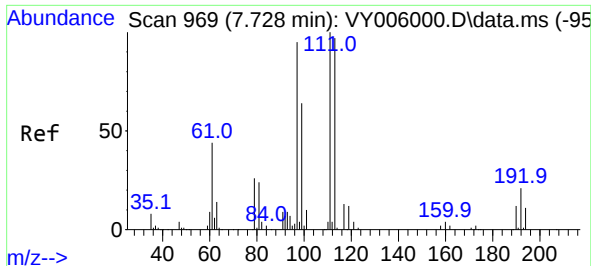
Tgt Ion: 65 Resp: 76038  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 99.4



#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.006 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

Tgt Ion: 114 Resp: 180976  
Ion Ratio Lower Upper  
114 100  
63 20.8 0.0 43.2  
88 14.7 0.0 31.8

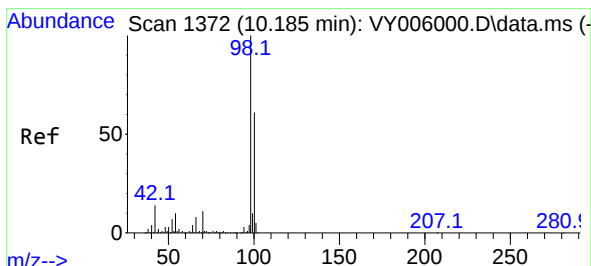
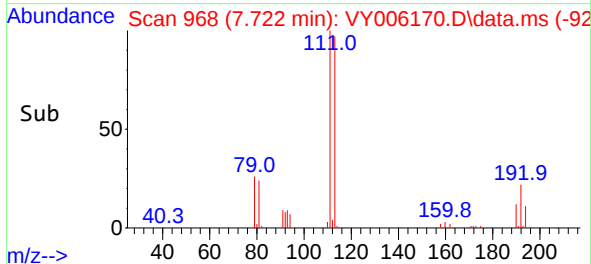
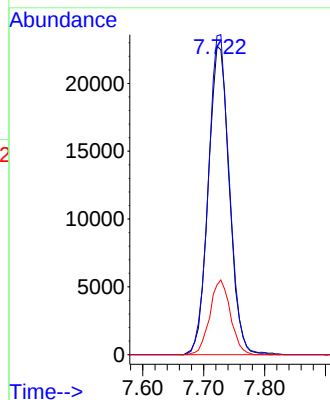
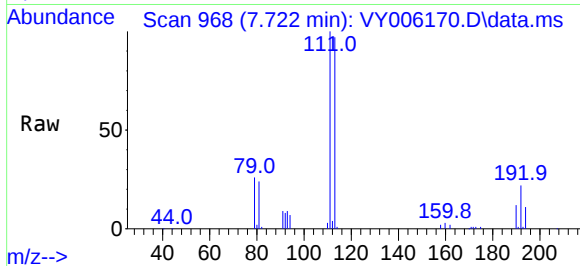




#35  
Dibromofluoromethane  
Concen: 48.762 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.006 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

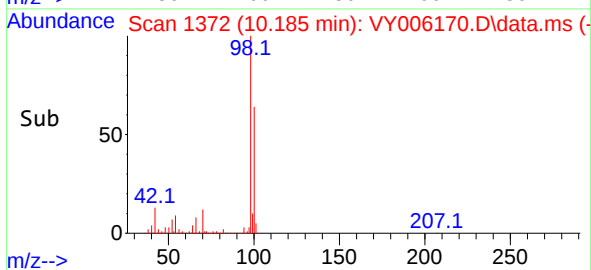
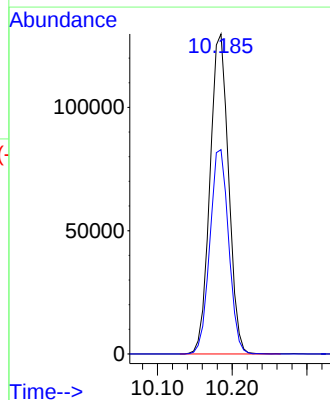
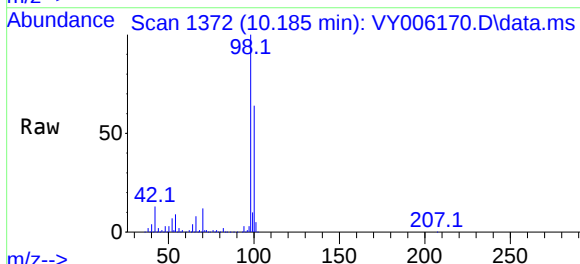
Instrument :  
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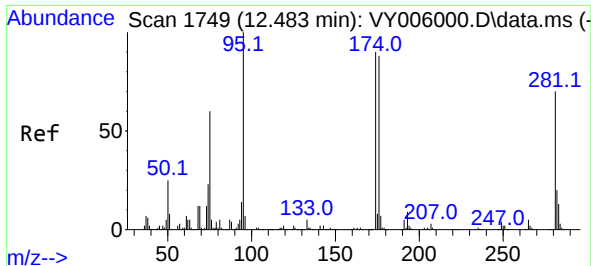
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 54812 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 82.6  | 124.0 |
| 192      | 23.6  | 17.6  | 26.4  |



#50  
Toluene-d8  
Concen: 46.758 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. 0.000 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 98    | Resp: | 224012 |
| Ion      | Ratio | Lower | Upper  |
| 98       | 100   |       |        |
| 100      | 64.5  | 50.2  | 75.2   |

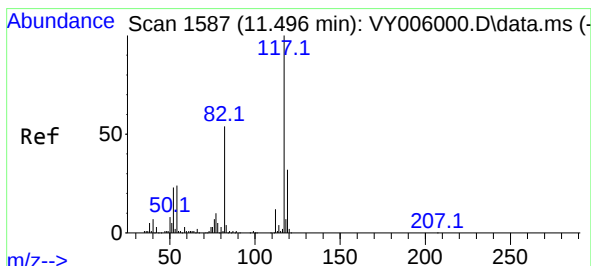
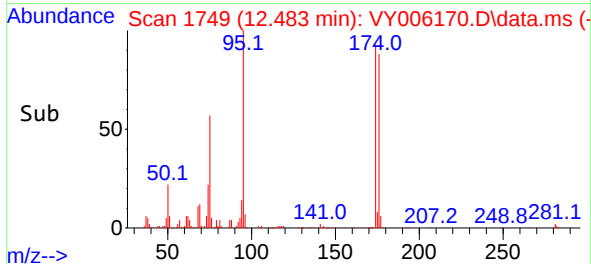
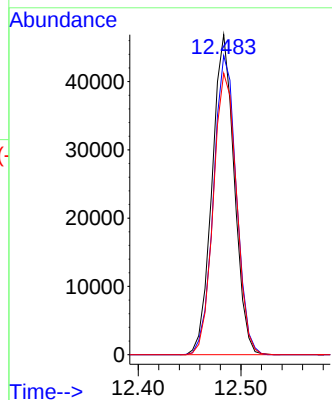
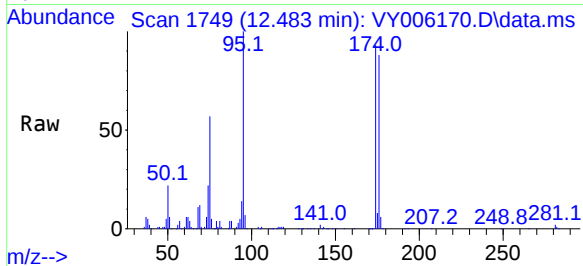




#62  
4-Bromofluorobenzene  
Concen: 43.197 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

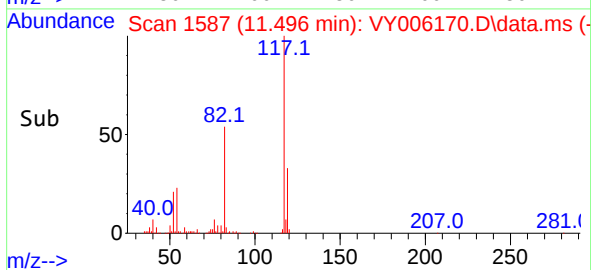
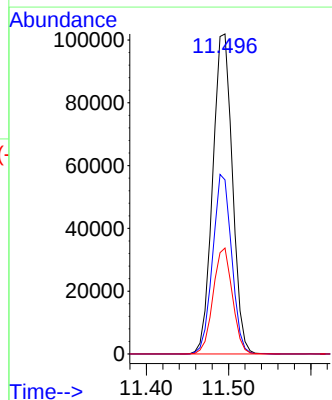
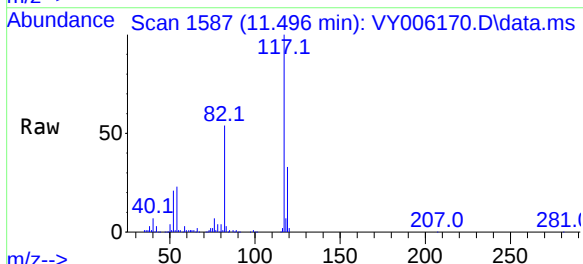
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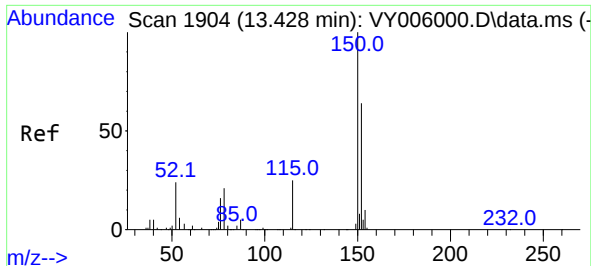
Tgt Ion: 95 Resp: 70263  
Ion Ratio Lower Upper  
95 100  
174 95.8 0.0 177.0  
176 91.7 0.0 175.8



#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. 0.000 min  
Lab File: VY006170.D  
Acq: 27 Sep 2021 17:54

Tgt Ion: 117 Resp: 169560  
Ion Ratio Lower Upper  
117 100  
82 54.4 43.0 64.4  
119 33.1 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: VY006170.D  
 Acq: 27 Sep 2021 17:54

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

Tgt Ion:152 Resp: 80764  
 Ion Ratio Lower Upper  
 152 100  
 115 54.9 28.2 84.7  
 150 156.9 0.0 347.6

