

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081621\  
 Data File : VY005672.D  
 Acq On : 16 Aug 2021 15:55  
 Operator : SY/MD  
 Sample : M3431-03  
 Misc : 5.44G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 3

Quant Time: Aug 17 05:19:43 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Aug 03 04:52:05 2021  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.801  | 168  | 182730   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 310397   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 311669   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 155806   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 120587   | 65.193   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 130.380% |
| 35) Dibromofluoromethane    | 7.728  | 113   | 95406    | 54.899   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 109.800% |
| 50) Toluene-d8              | 10.185 | 98    | 400724   | 54.981   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.960% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 135543   | 56.159   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.320% |

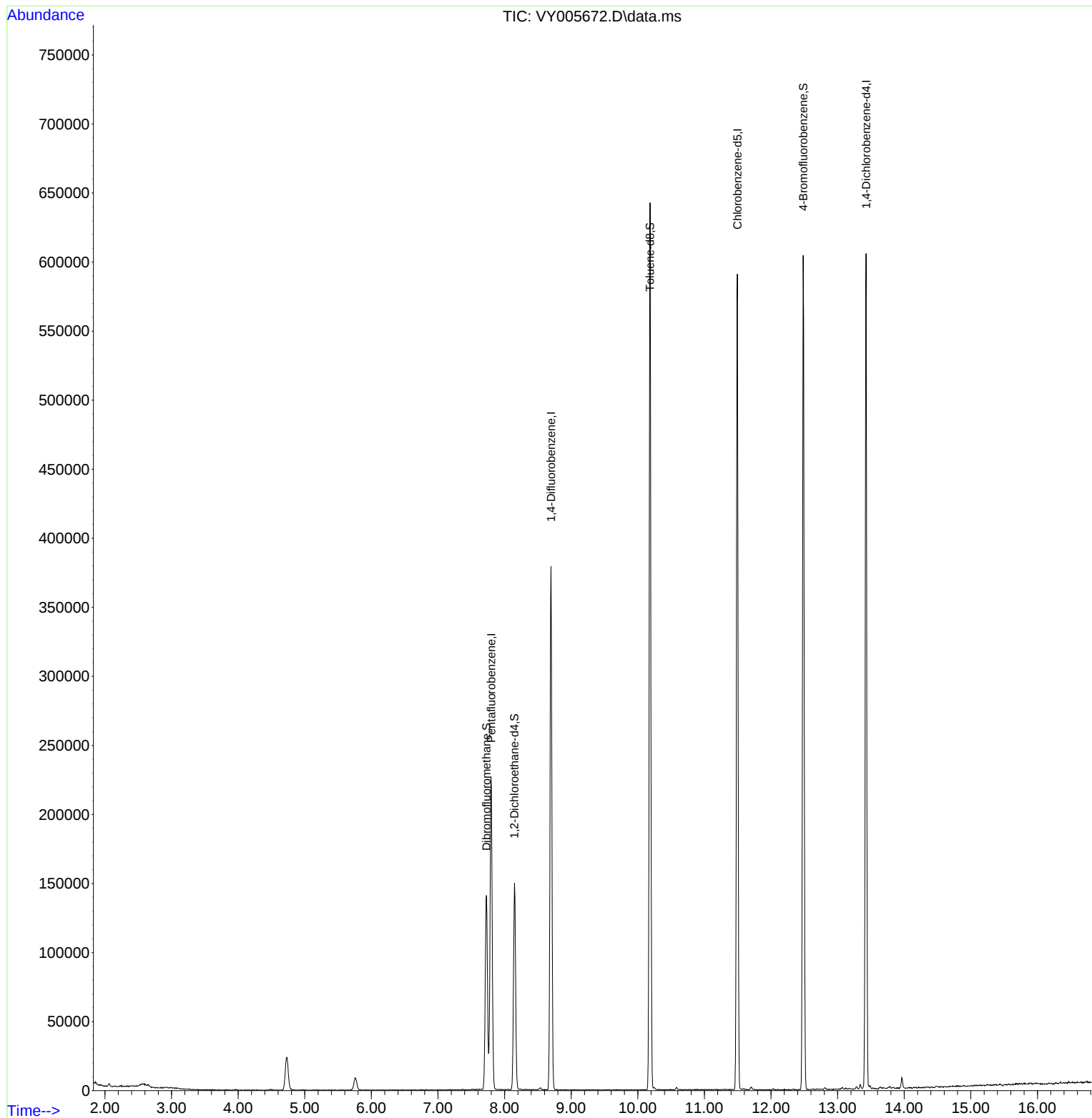
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

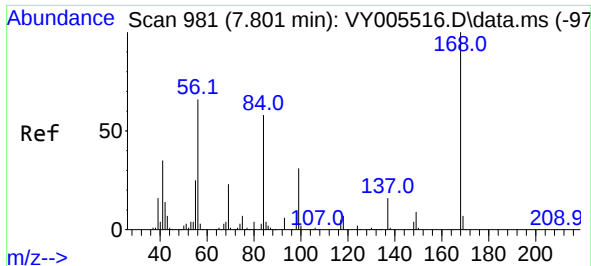
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 17 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
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Quant Time: Aug 17 05:19:43 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y080221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Aug 03 04:52:05 2021  
Response via : Initial Calibration

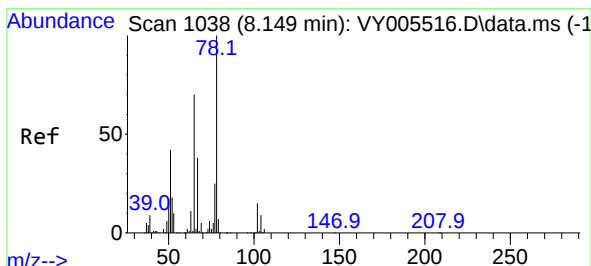
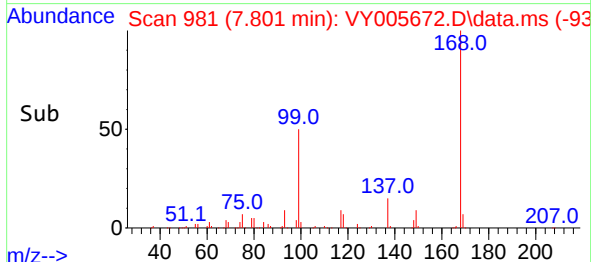
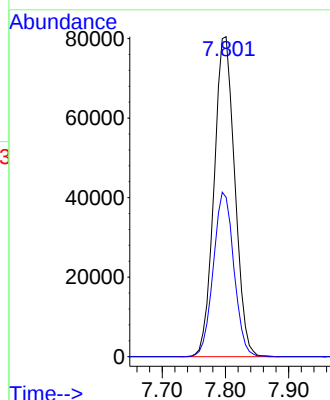
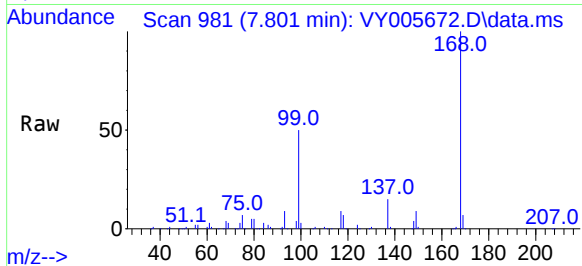




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.801 min Scan# 981  
Delta R.T. 0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

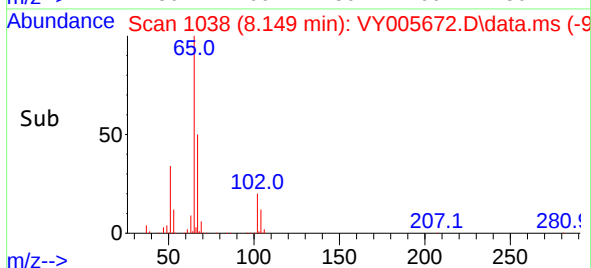
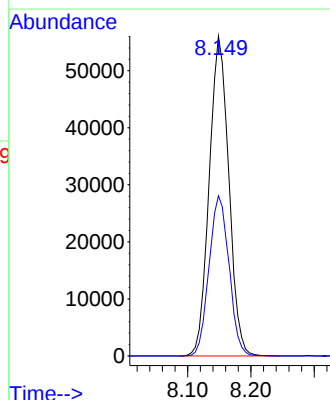
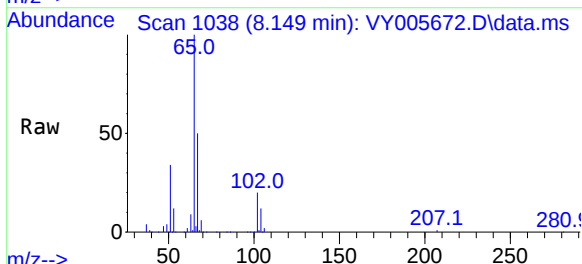
Instrument :  
MSVOA\_Y  
ClientSampled :  
3

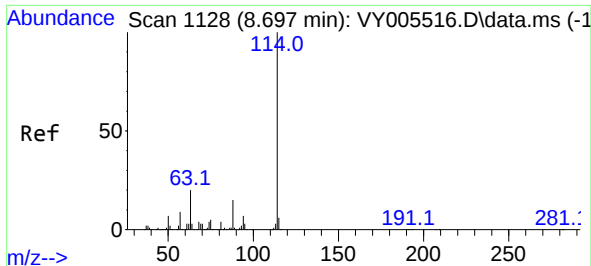
Tgt Ion:168 Resp: 182730  
Ion Ratio Lower Upper  
168 100  
99 49.8 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 65.193 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

Tgt Ion: 65 Resp: 120587  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 103.4

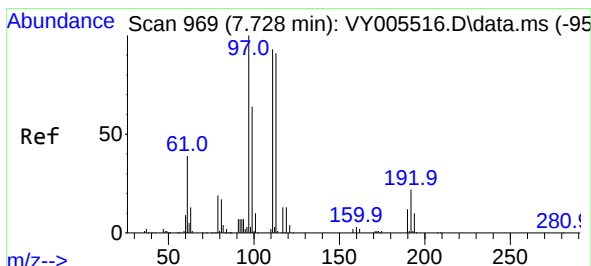
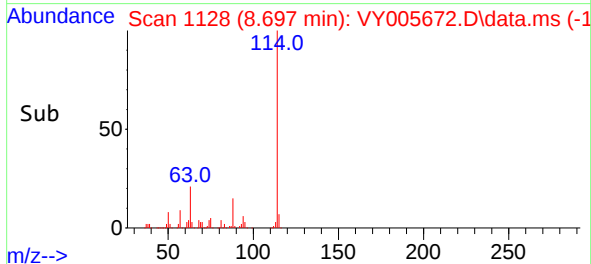
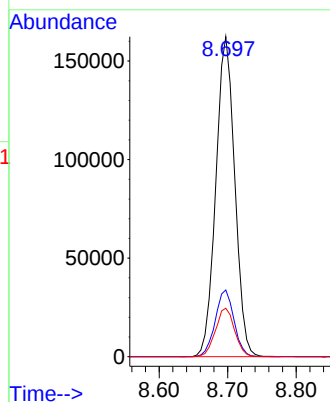
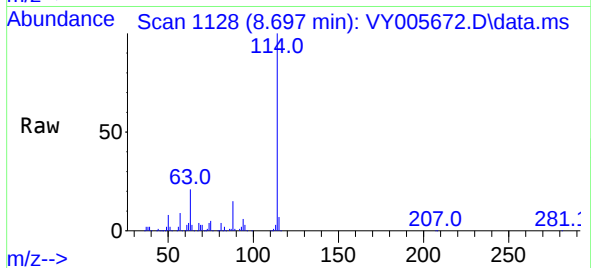




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

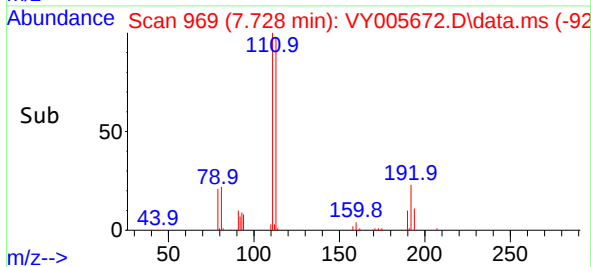
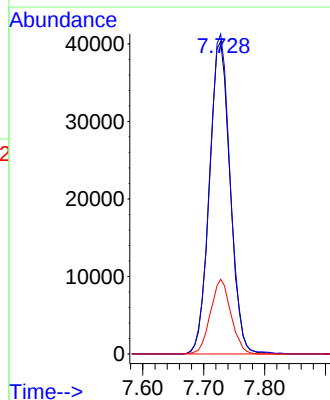
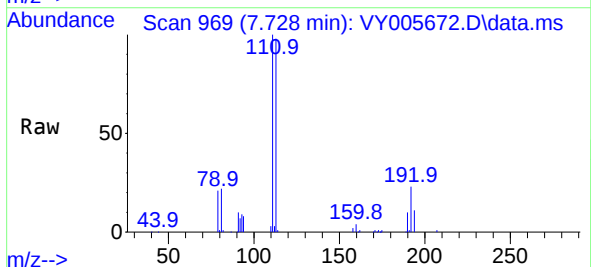
Instrument :  
MSVOA\_Y  
ClientSampleId :  
3

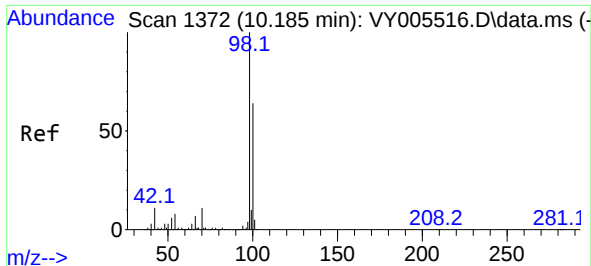
|          |       |       |        |
|----------|-------|-------|--------|
| Tgt Ion: | 114   | Resp: | 310397 |
| Ion      | Ratio | Lower | Upper  |
| 114      | 100   |       |        |
| 63       | 20.9  | 0.0   | 39.2   |
| 88       | 15.1  | 0.0   | 30.8   |



#35  
Dibromofluoromethane  
Concen: 54.899 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 95406 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 101.5 | 81.9  | 122.9 |
| 192      | 23.5  | 19.2  | 28.8  |

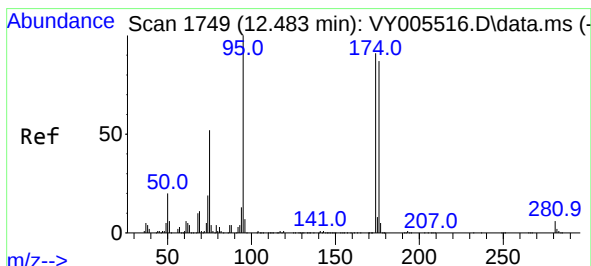
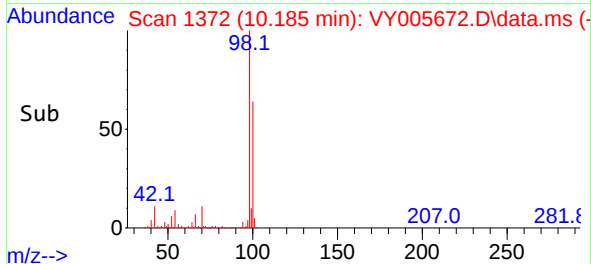
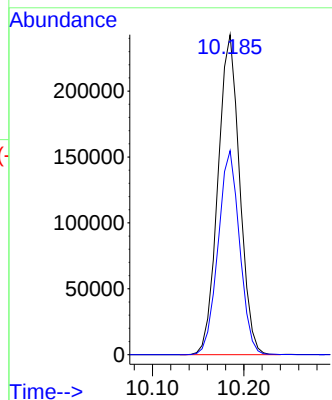
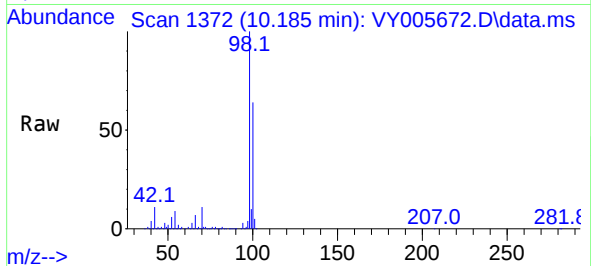




#50  
Toluene-d8  
Concen: 54.981 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

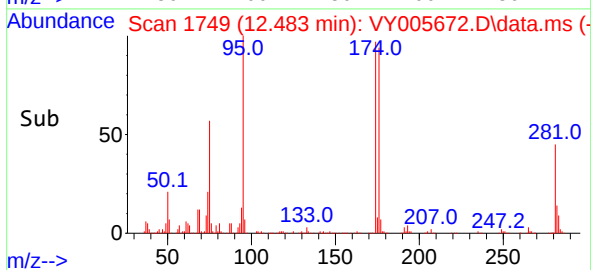
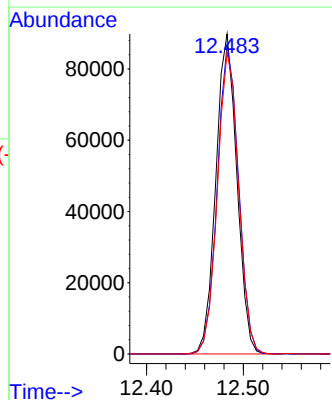
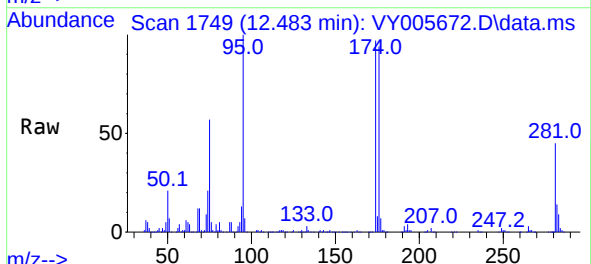
Instrument :  
MSVOA\_Y  
ClientSampled :  
3

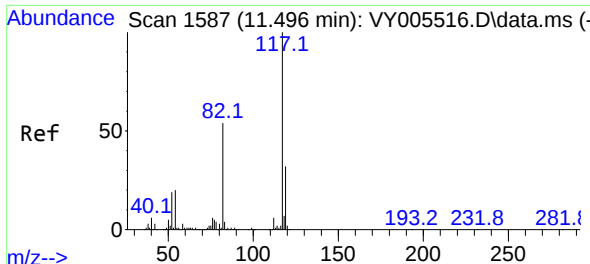
Tgt Ion: 98 Resp: 400724  
Ion Ratio Lower Upper  
98 100  
100 63.1 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 56.159 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

Tgt Ion: 95 Resp: 135543  
Ion Ratio Lower Upper  
95 100  
174 97.4 0.0 191.4  
176 95.0 0.0 183.6

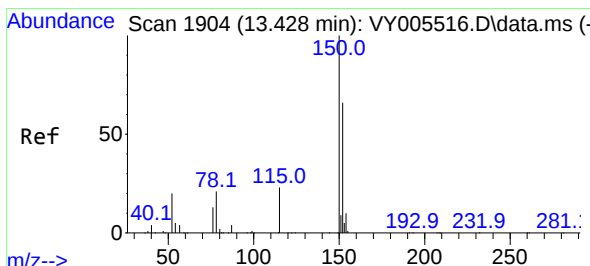
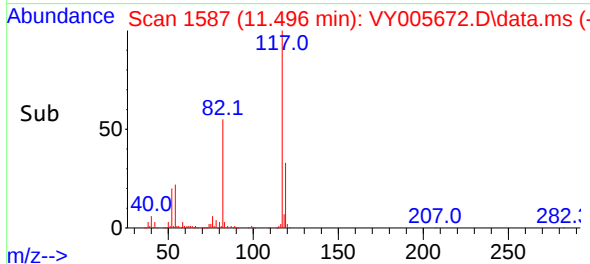
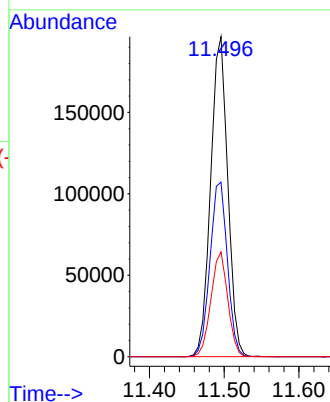
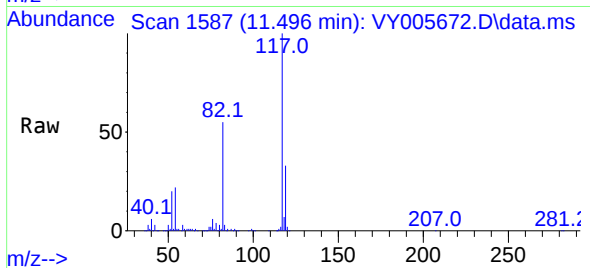




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

Instrument :  
MSVOA\_Y  
ClientSampled :  
3

Tgt Ion:117 Resp: 311669  
Ion Ratio Lower Upper  
117 100  
82 54.5 43.5 65.3  
119 32.8 25.5 38.3



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. -0.000 min  
Lab File: VY005672.D  
Acq: 16 Aug 2021 15:55

Tgt Ion:152 Resp: 155806  
Ion Ratio Lower Upper  
152 100  
115 54.4 27.3 81.9  
150 155.6 0.0 350.2

