

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY081021\  
 Data File : VY005599.D  
 Acq On : 10 Aug 2021 16:36  
 Operator : SY/MD  
 Sample : M3333-03  
 Misc : 4.08G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 20 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 124030

Quant Time: Aug 11 03:38:06 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      | 7.795  | 168  | 29118    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.697  | 114  | 44235    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.496 | 117  | 37918    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 16491    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.149  | 65    | 13347    | 45.283   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 90.560%  |
| 35) Dibromofluoromethane    | 7.728  | 113   | 11949    | 48.247   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 96.500%  |
| 50) Toluene-d8              | 10.185 | 98    | 53824    | 51.820   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 103.640% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 15226    | 44.267   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 88.540%  |

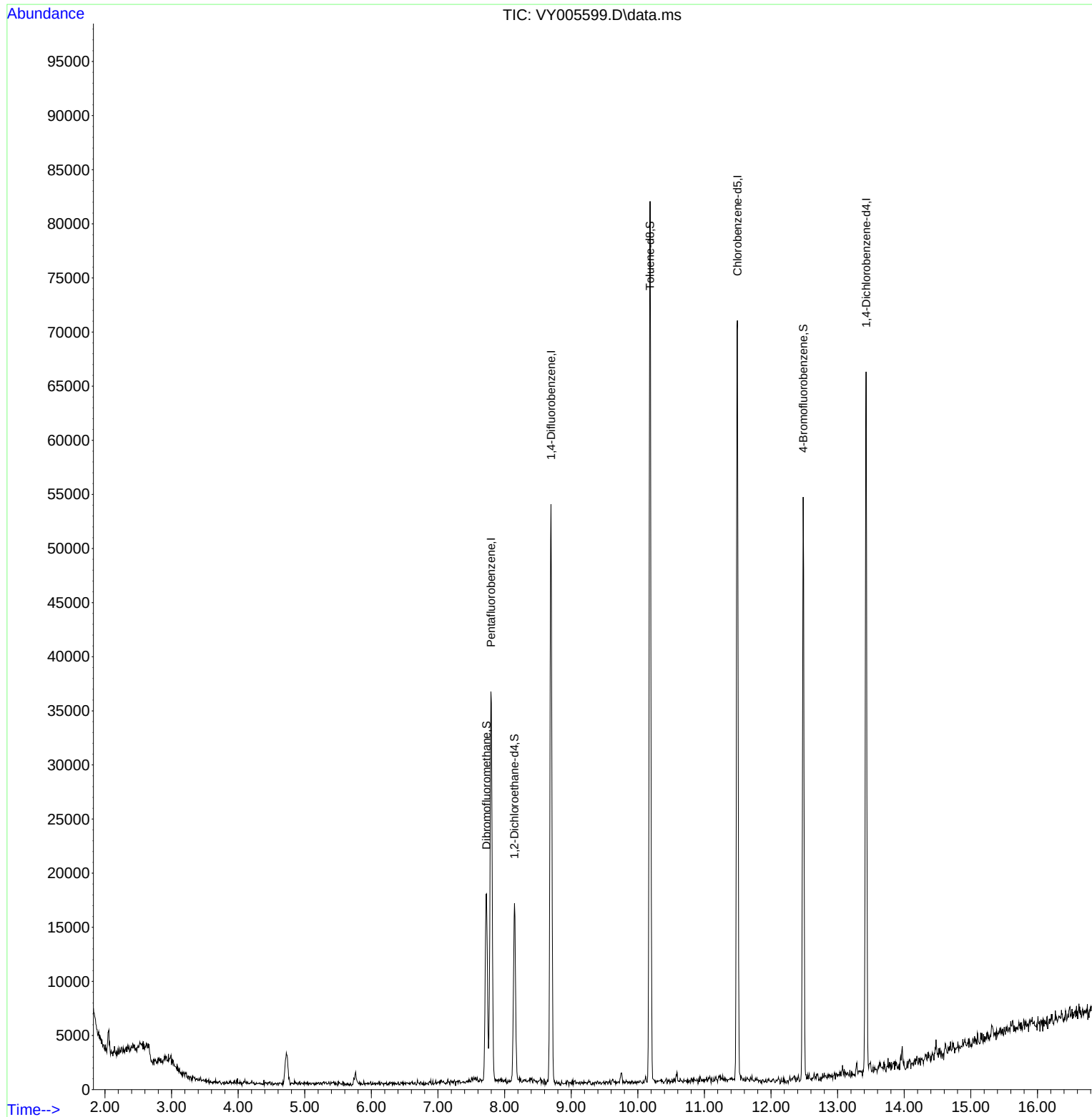
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

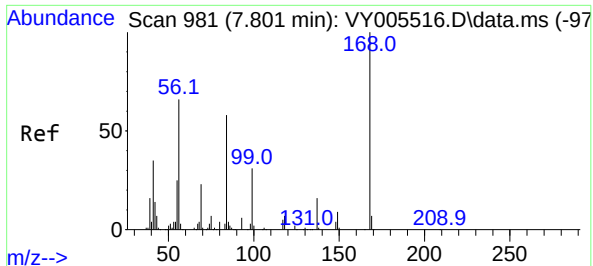
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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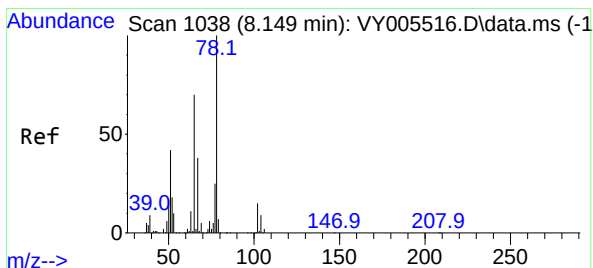
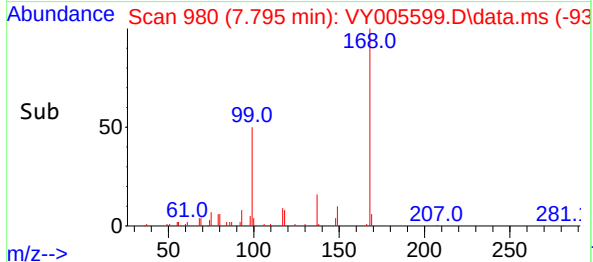
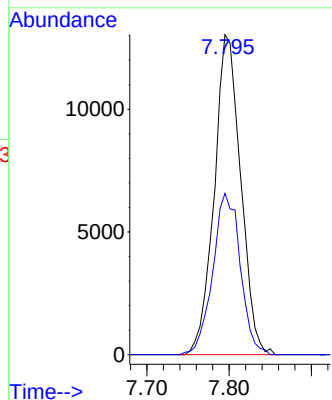
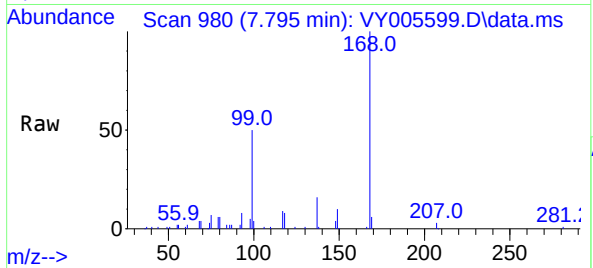




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.006 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

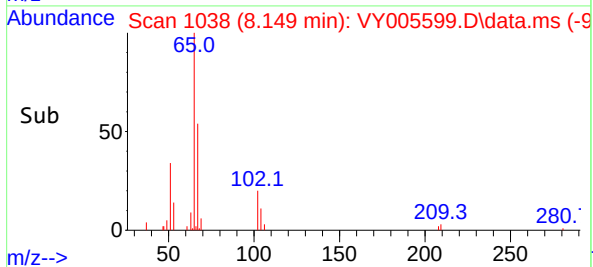
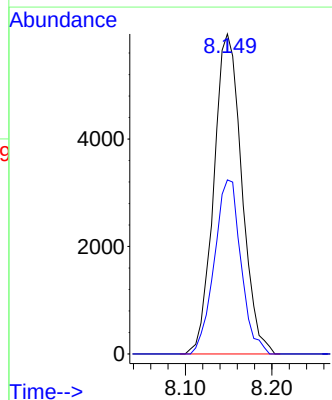
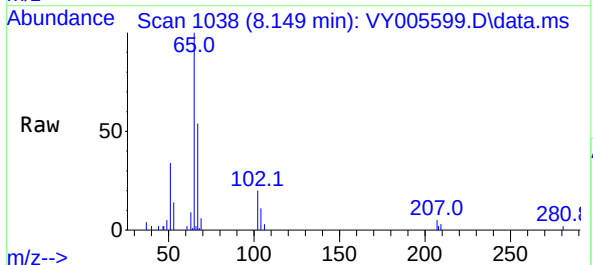
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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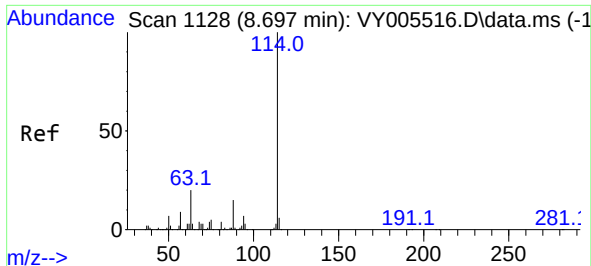
Tgt Ion:168 Resp: 29118  
Ion Ratio Lower Upper  
168 100  
99 50.4 38.9 58.3



#33  
1,2-Dichloroethane-d4  
Concen: 45.283 ug/l  
RT: 8.149 min Scan# 1038  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 65 Resp: 13347  
Ion Ratio Lower Upper  
65 100  
67 51.9 0.0 103.4

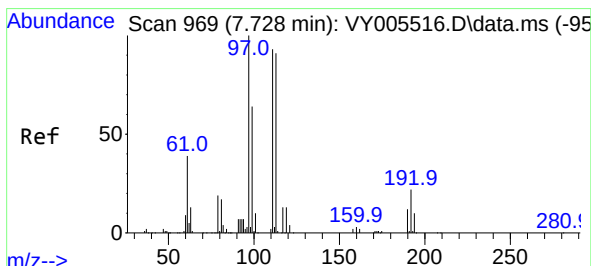
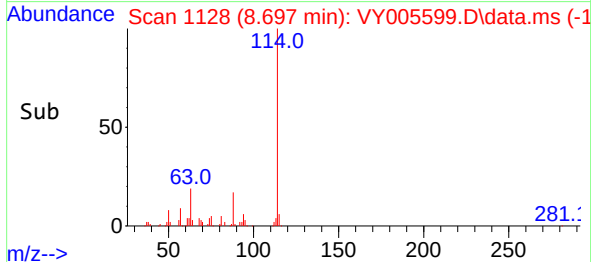
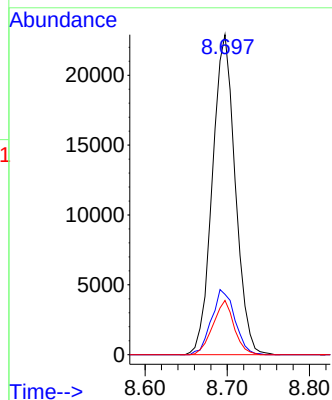
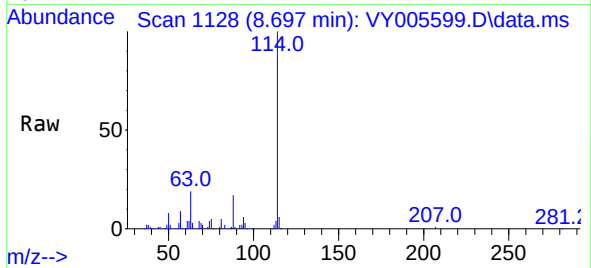




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.697 min Scan# 1128  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

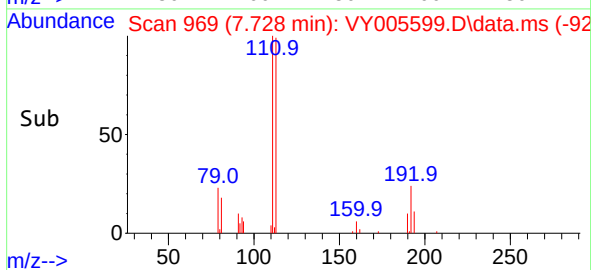
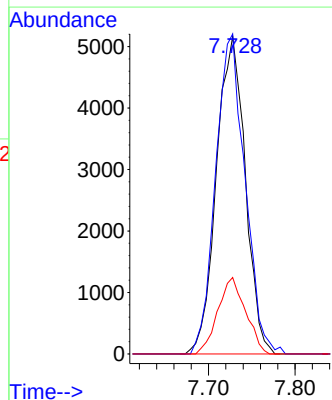
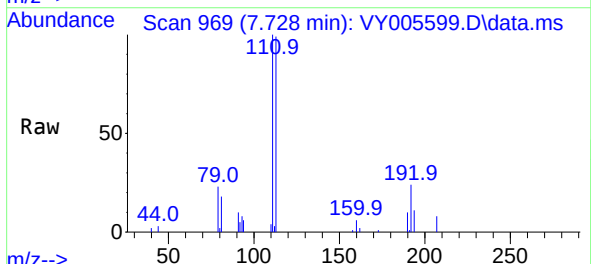
Instrument :  
MSVOA\_Y  
ClientSampleId :  
124030

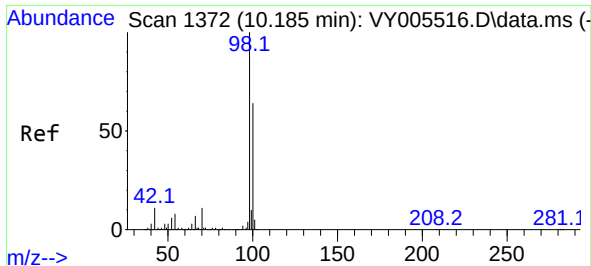
|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 114   | Resp: | 44235 |
| Ion      | Ratio | Lower | Upper |
| 114      | 100   |       |       |
| 63       | 18.9  | 0.0   | 39.2  |
| 88       | 17.0  | 0.0   | 30.8  |



#35  
Dibromofluoromethane  
Concen: 48.247 ug/l  
RT: 7.728 min Scan# 969  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 113   | Resp: | 11949 |
| Ion      | Ratio | Lower | Upper |
| 113      | 100   |       |       |
| 111      | 102.6 | 81.9  | 122.9 |
| 192      | 23.2  | 19.2  | 28.8  |

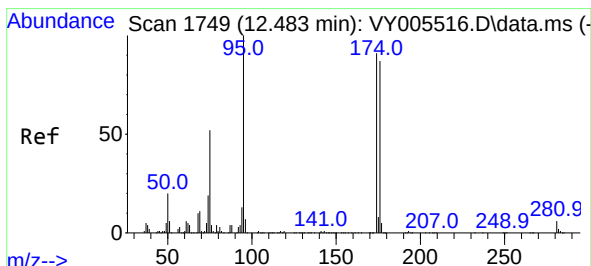
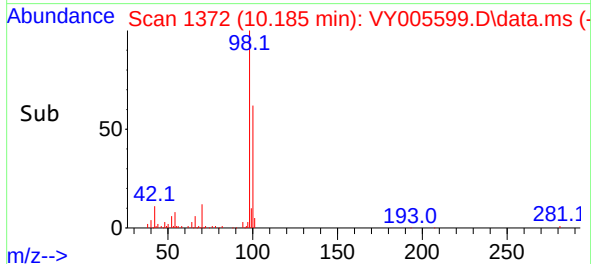
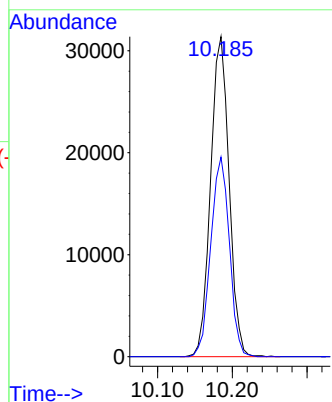
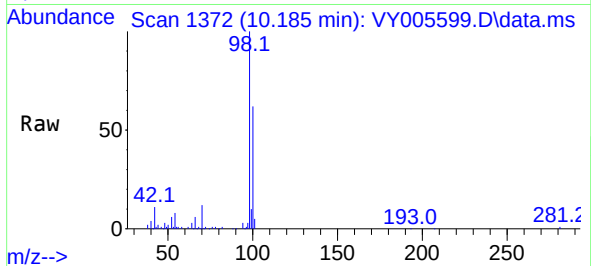




#50  
Toluene-d8  
Concen: 51.820 ug/l  
RT: 10.185 min Scan# 1372  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

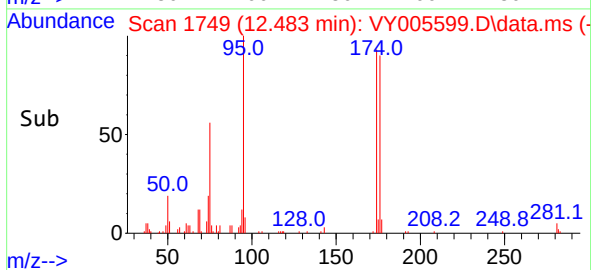
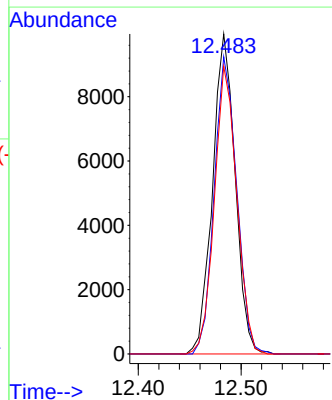
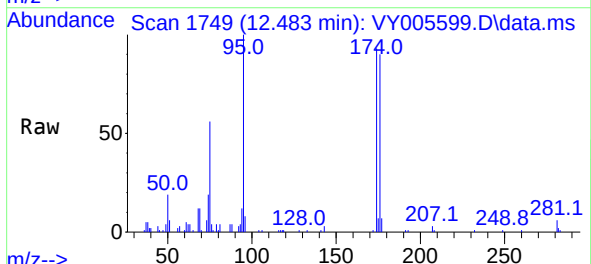
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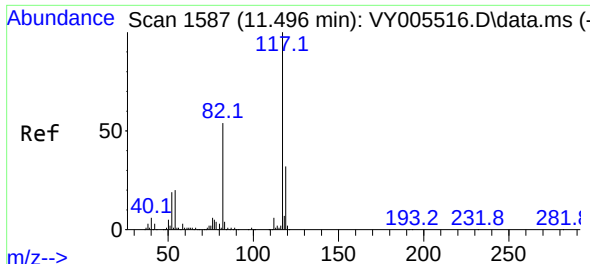
Tgt Ion: 98 Resp: 53824  
Ion Ratio Lower Upper  
98 100  
100 62.9 51.3 76.9



#62  
4-Bromofluorobenzene  
Concen: 44.267 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Tgt Ion: 95 Resp: 15226  
Ion Ratio Lower Upper  
95 100  
174 92.3 0.0 191.4  
176 88.9 0.0 183.6

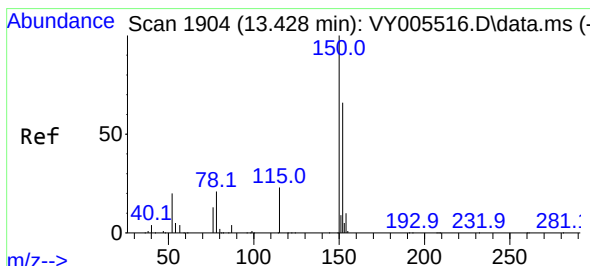
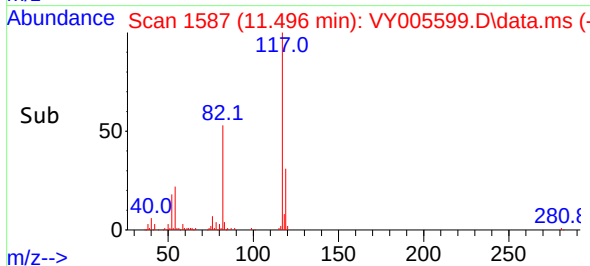
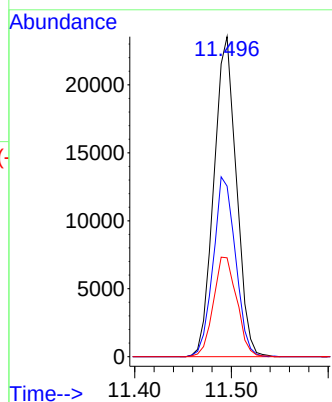
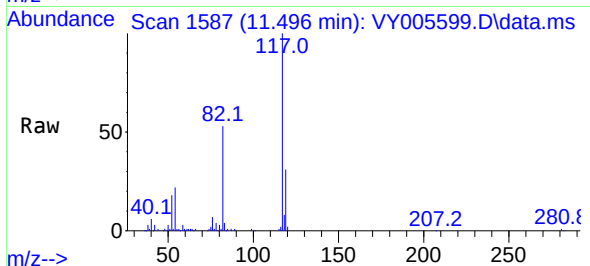




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.496 min Scan# 1587  
Delta R.T. -0.000 min  
Lab File: VY005599.D  
Acq: 10 Aug 2021 16:36

Instrument :  
MSVOA\_Y  
ClientSampleId :  
124030

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 37918 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 53.3  | 43.5  | 65.3  |
| 119      | 30.9  | 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: VY005599.D  
Acq: 10 Aug 2021 16:36

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 16491 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 54.2  | 27.3  | 81.9  |
| 150      | 154.6 | 0.0   | 350.2 |

