

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY113022\  
 Data File : VY011641.D  
 Acq On : 30 Nov 2022 15:15  
 Operator : KP/MD  
 Sample : N5792-01RE  
 Misc : 5.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 14 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 OR-02-112822RE

Quant Time: Dec 01 05:24:07 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 31607    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 52199    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 45232    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 16931    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 18913    | 58.931   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 117.860% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 18056    | 56.191   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 112.380% |
| 50) Toluene-d8              | 10.179 | 98    | 60857    | 52.117   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 104.240% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 15555    | 36.029   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 72.060%  |

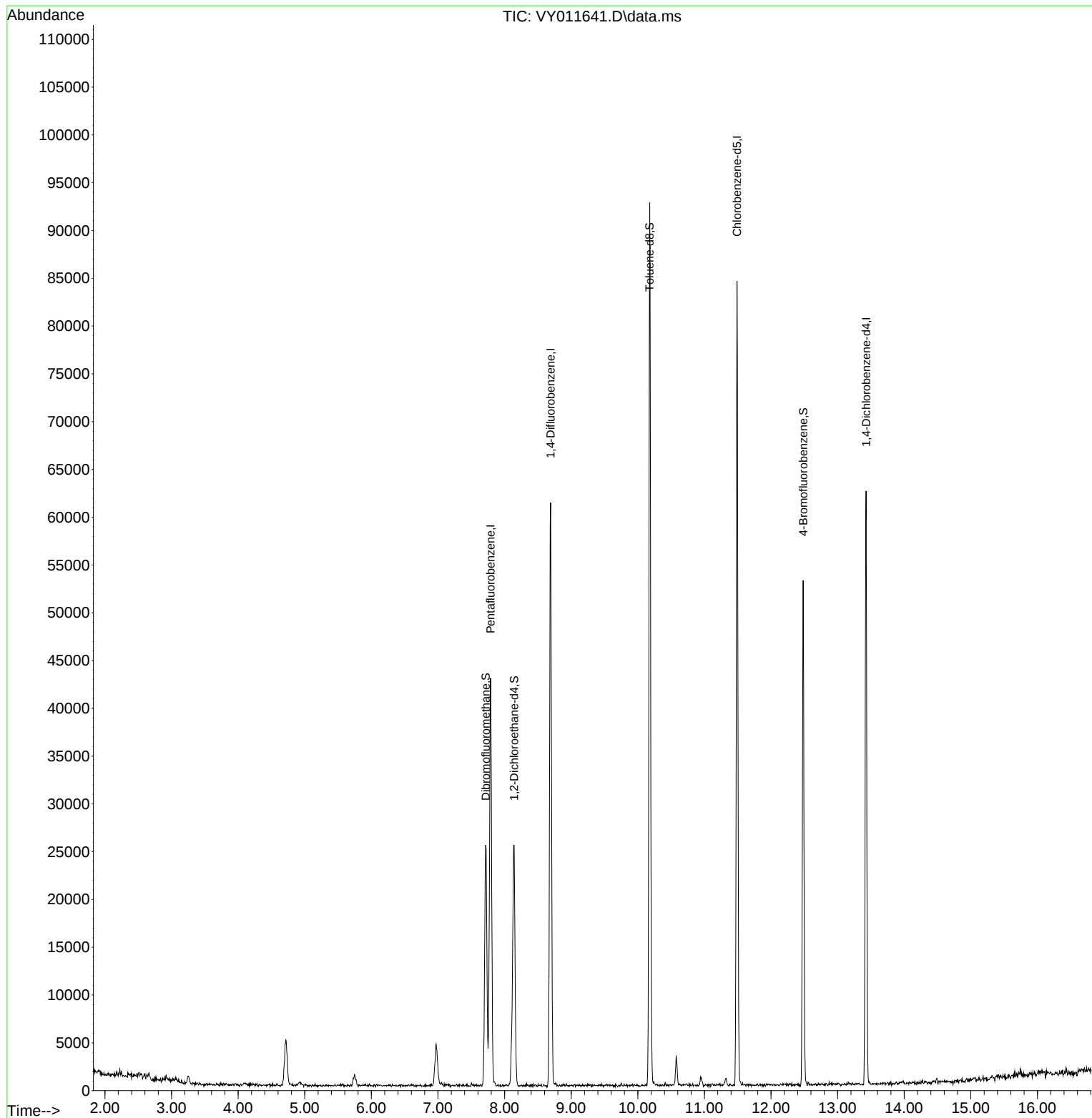
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

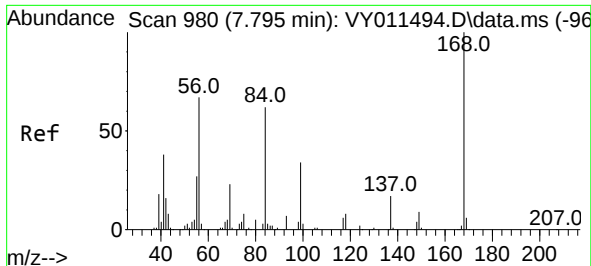
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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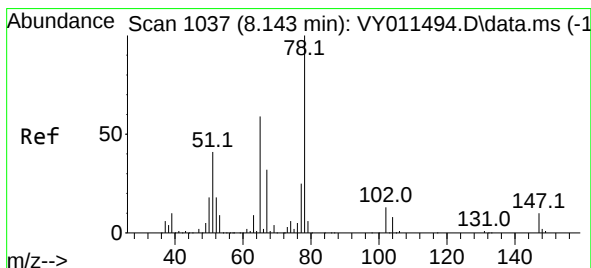
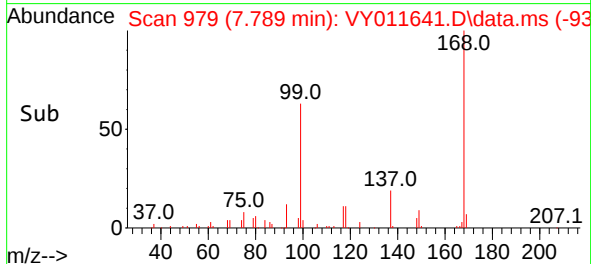
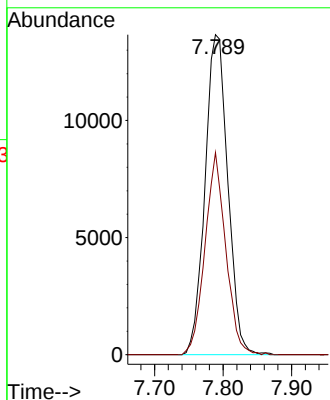
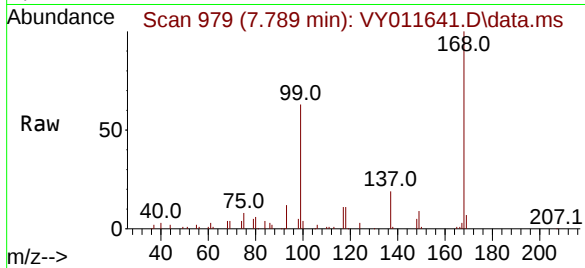




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. -0.006 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

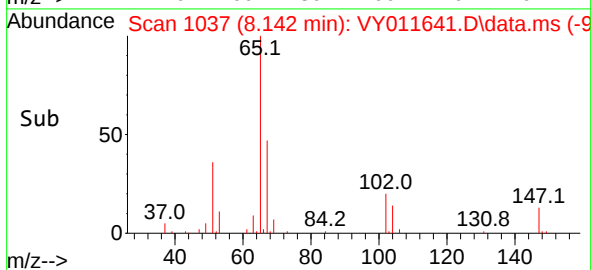
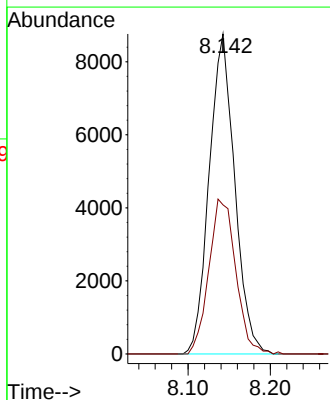
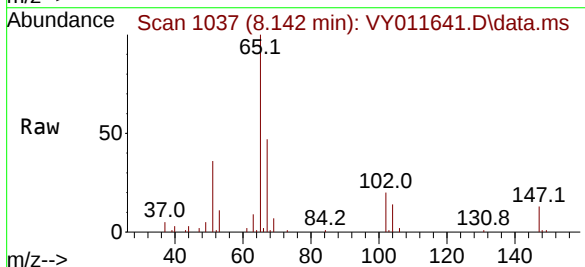
Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-112822RE

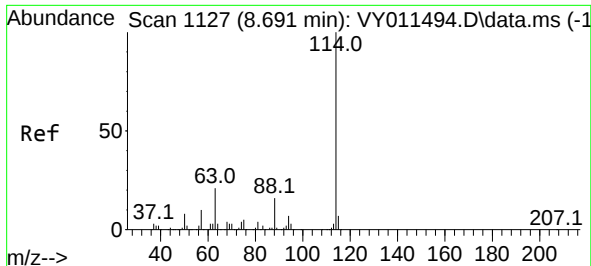
Tgt Ion:168 Resp: 31607  
Ion Ratio Lower Upper  
168 100  
99 63.2 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 58.931 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

Tgt Ion: 65 Resp: 18913  
Ion Ratio Lower Upper  
65 100  
67 51.0 0.0 99.4

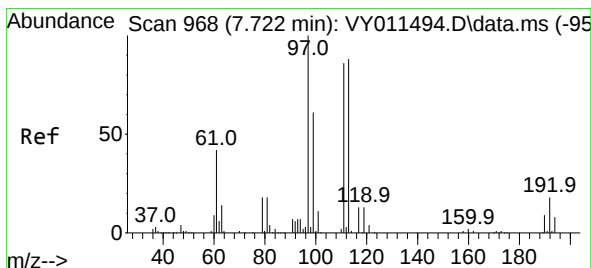
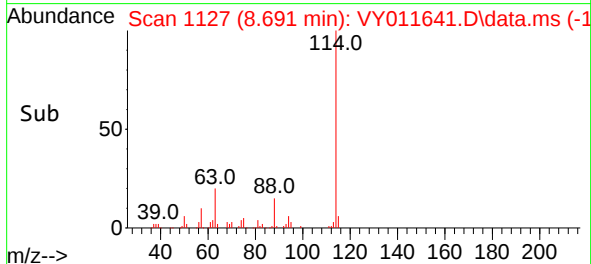
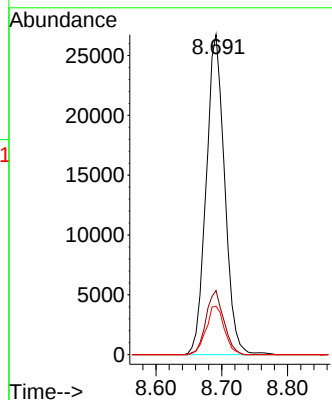
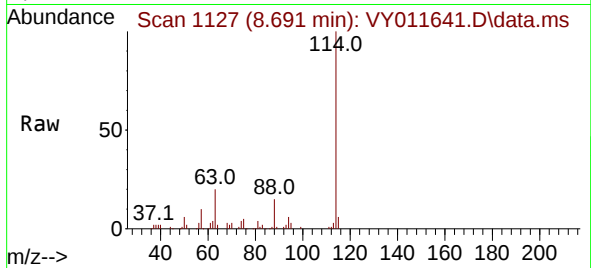




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

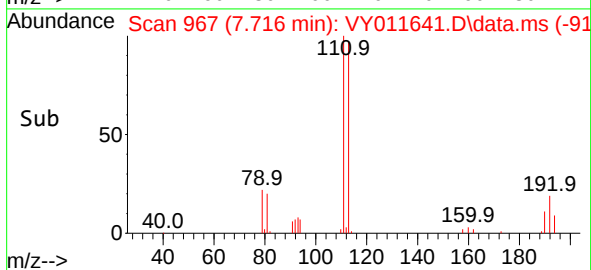
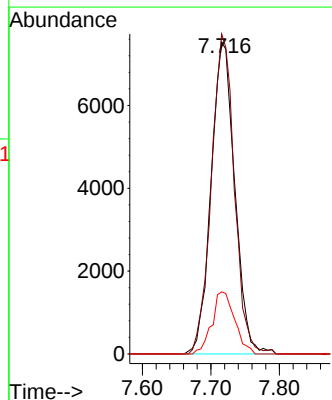
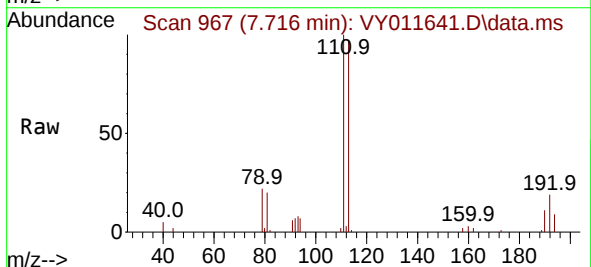
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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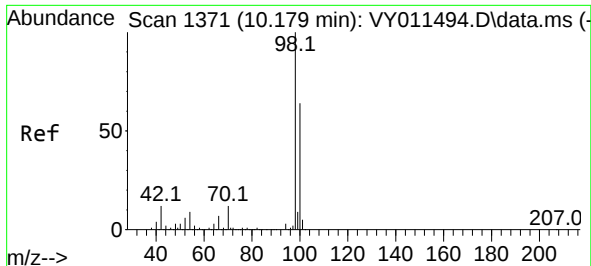
|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 114   | Resp: | 52199 |
| Ion Ratio | Lower | Upper |       |
| 114       | 100   |       |       |
| 63        | 20.0  | 0.0   | 43.2  |
| 88        | 15.1  | 0.0   | 31.8  |



#35  
Dibromofluoromethane  
Concen: 56.191 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.006 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 113   | Resp: | 18056 |
| Ion Ratio | Lower | Upper |       |
| 113       | 100   |       |       |
| 111       | 99.7  | 82.6  | 124.0 |
| 192       | 19.1  | 17.6  | 26.4  |

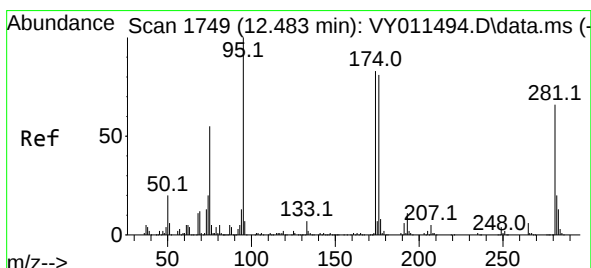
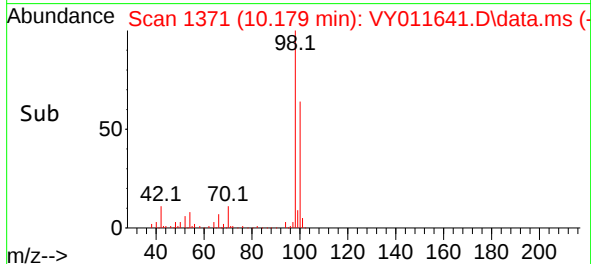
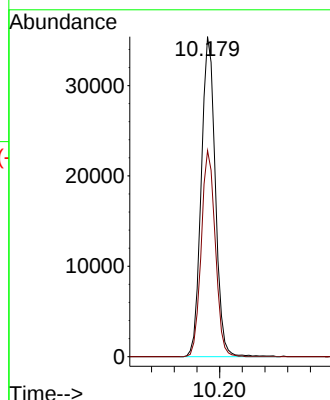
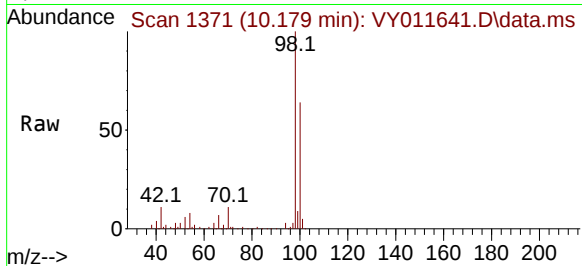




#50  
Toluene-d8  
Concen: 52.117 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

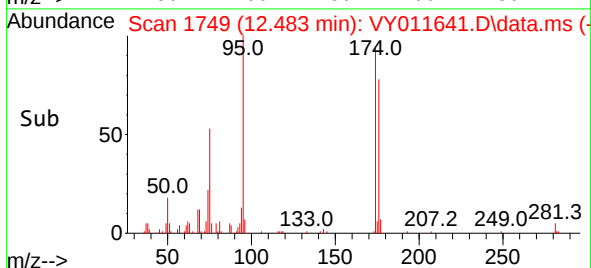
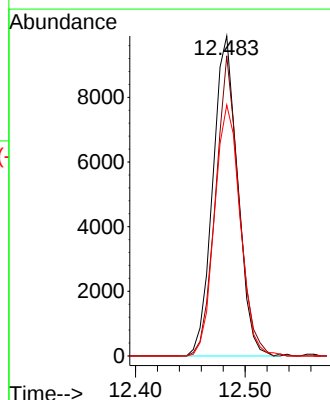
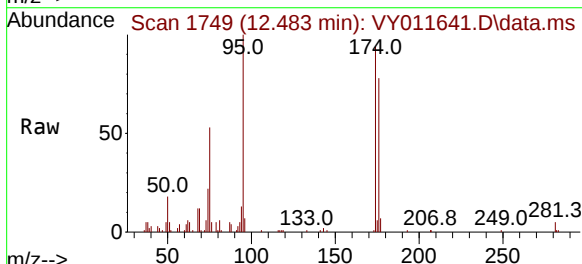
Instrument :  
MSVOA\_Y  
ClientSampleId :  
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Tgt Ion: 98 Resp: 60857  
Ion Ratio Lower Upper  
98 100  
100 64.1 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 36.029 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

Tgt Ion: 95 Resp: 15555  
Ion Ratio Lower Upper  
95 100  
174 88.3 0.0 177.0  
176 81.4 0.0 175.8

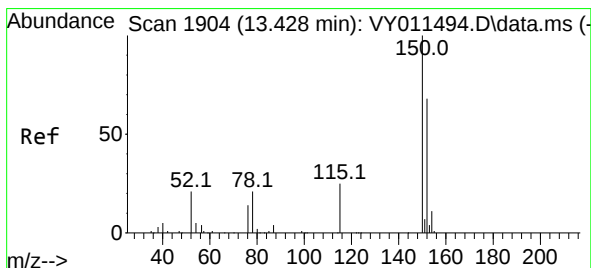
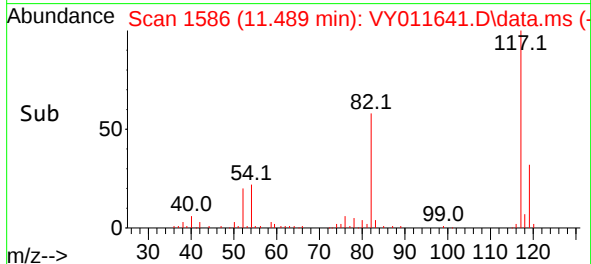
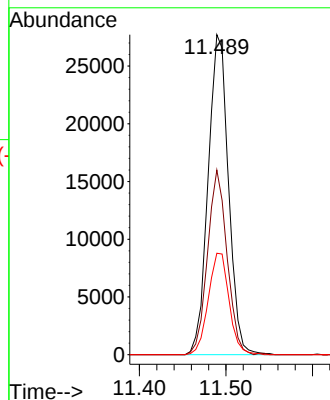
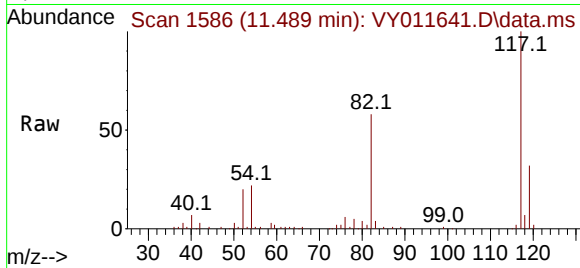




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.489 min Scan# 11  
Delta R.T. -0.007 min  
Lab File: VY011641.D  
Acq: 30 Nov 2022 15:15

Instrument :  
MSVOA\_Y  
ClientSampleId :  
OR-02-112822RE

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 45232 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 57.7  | 43.0  | 64.4  |
| 119      | 31.7  | 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: VY011641.D  
Acq: 30 Nov 2022 15:15

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 16931 |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 58.5  | 28.2  | 84.7  |
| 150      | 157.4 | 0.0   | 347.6 |

