

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY060222\  
 Data File : VY009120.D  
 Acq On : 02 Jun 2022 12:21  
 Operator : KP/MD  
 Sample : VY0602SBL01  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 4 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VY0602SBL01

Quant Time: Jun 03 03:10:56 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y052022S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri May 20 23:50:52 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 112233   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 198907   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 187782   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 79880    | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 72158    | 62.470   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 124.940% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 62580    | 50.595   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 101.180% |
| 50) Toluene-d8              | 10.179 | 98    | 250028   | 54.794   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.580% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 70770    | 38.448   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 76.900%  |

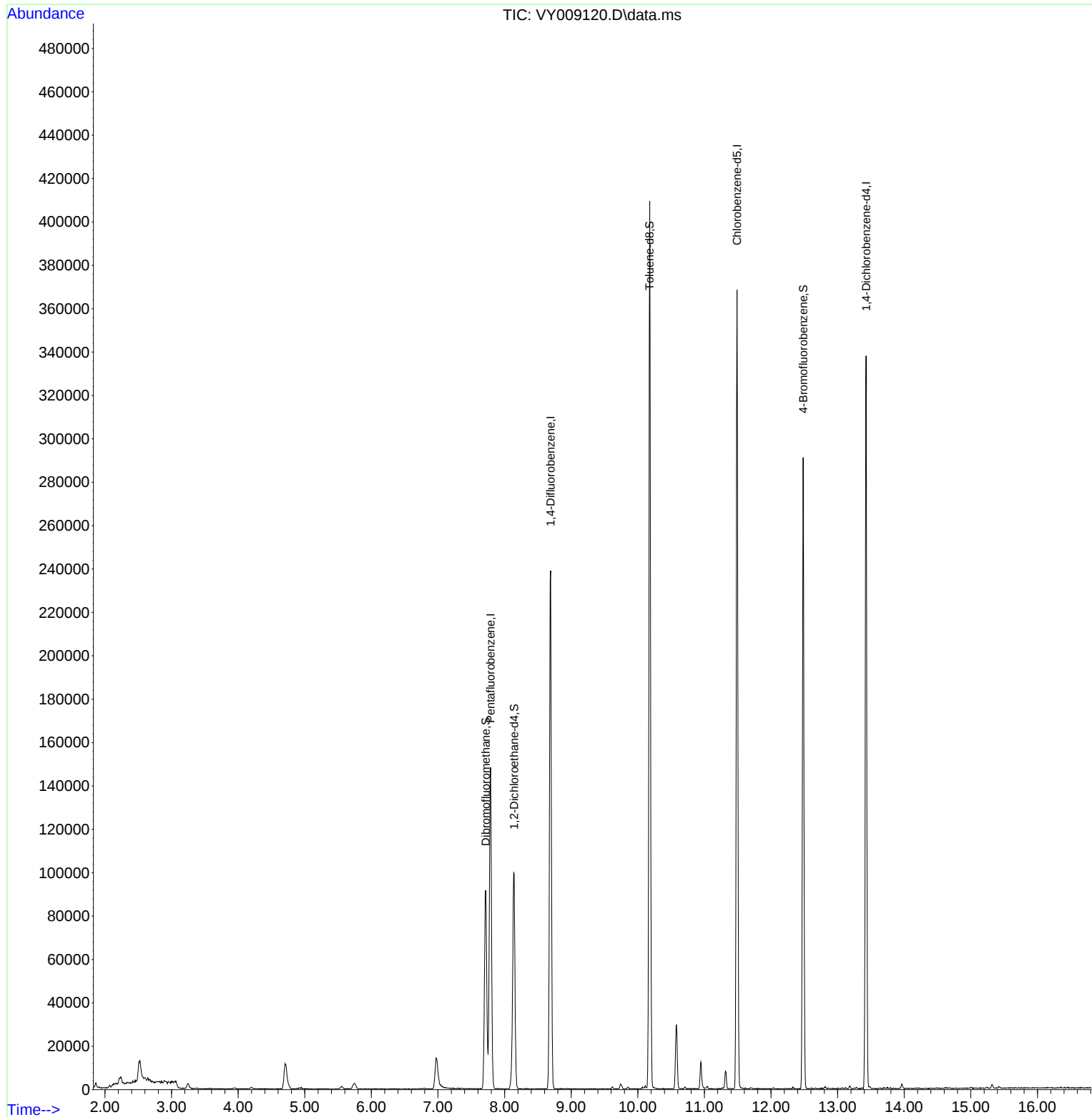
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

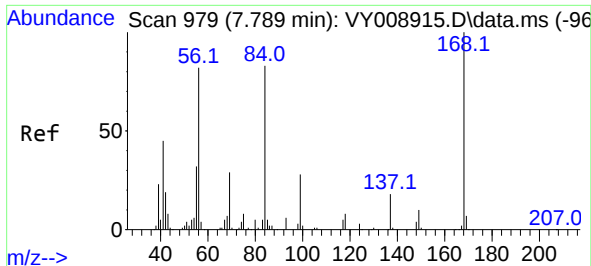
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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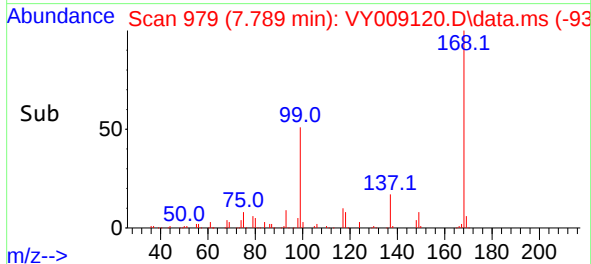
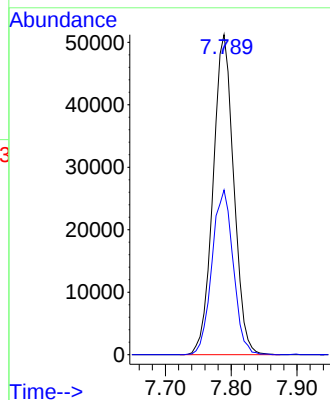
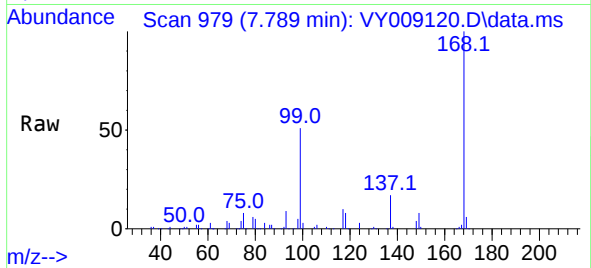




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

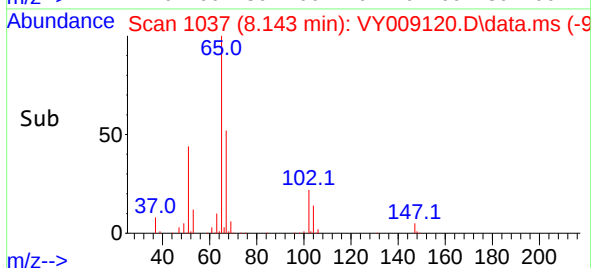
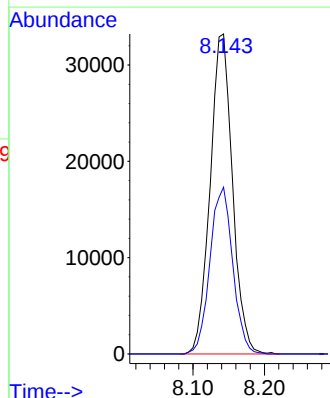
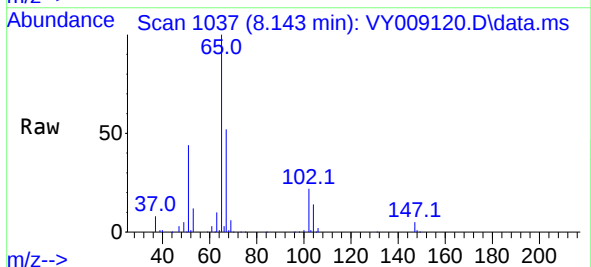
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

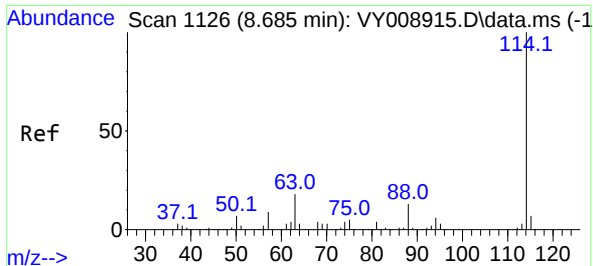
Tgt Ion:168 Resp: 112233  
Ion Ratio Lower Upper  
168 100  
99 51.5 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 62.470 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

Tgt Ion: 65 Resp: 72158  
Ion Ratio Lower Upper  
65 100  
67 53.1 0.0 99.4

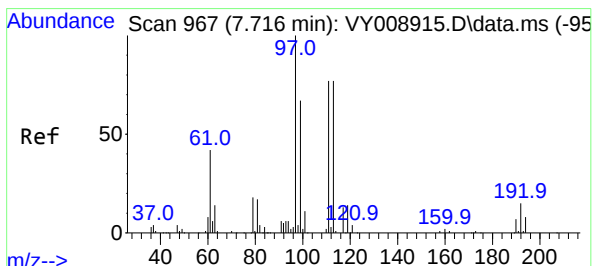
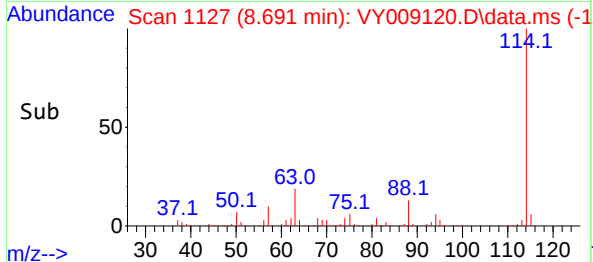
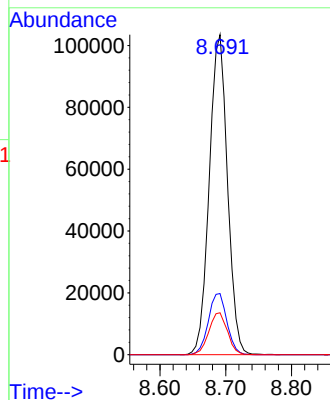
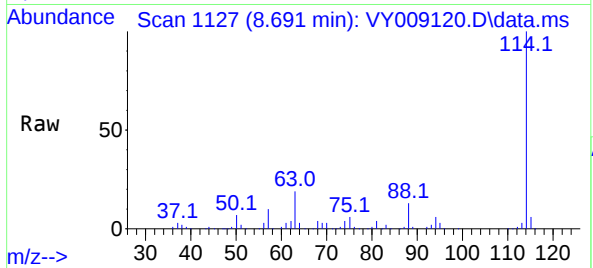




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.006 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

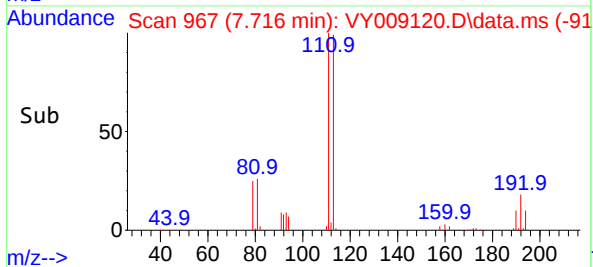
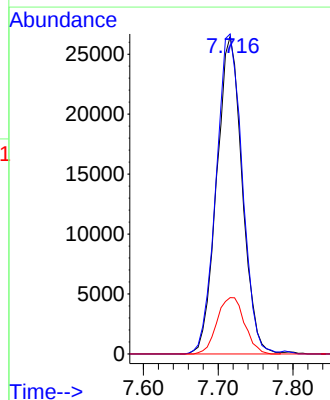
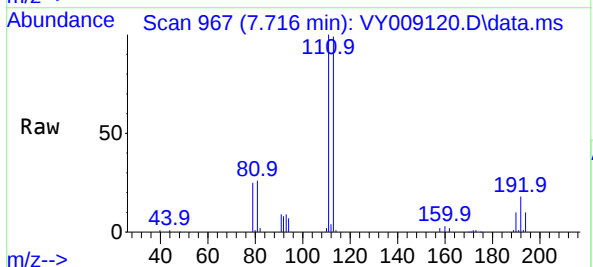
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

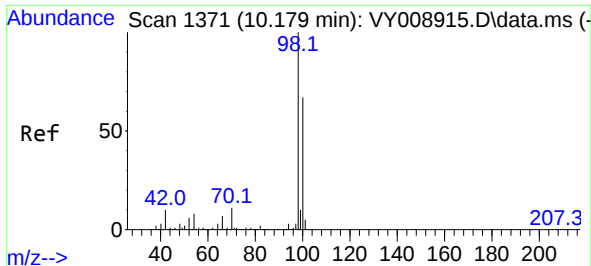
Tgt Ion:114 Resp: 198907  
Ion Ratio Lower Upper  
114 100  
63 19.1 0.0 43.2  
88 13.1 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 50.595 ug/l  
RT: 7.716 min Scan# 967  
Delta R.T. -0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

Tgt Ion:113 Resp: 62580  
Ion Ratio Lower Upper  
113 100  
111 103.8 82.6 124.0  
192 19.2 17.6 26.4

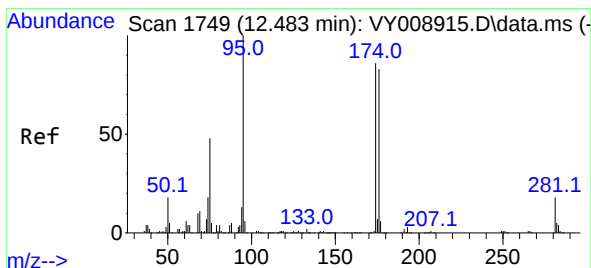
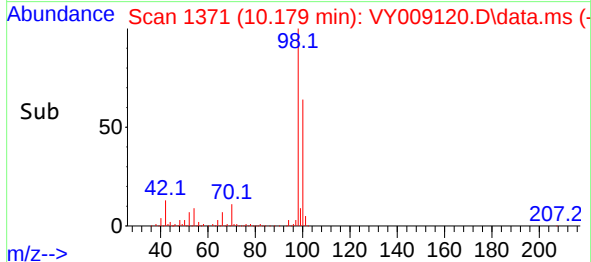
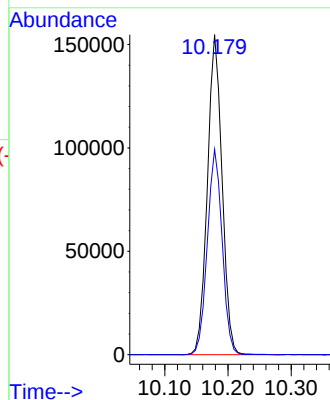
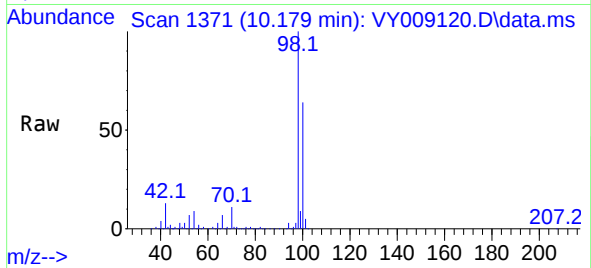




#50  
Toluene-d8  
Concen: 54.794 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

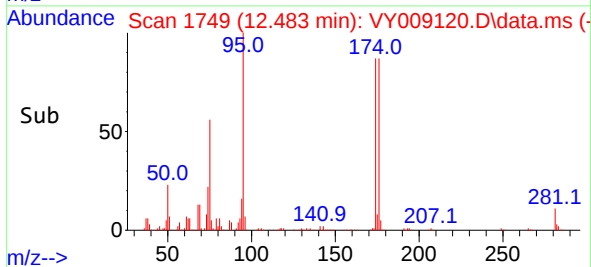
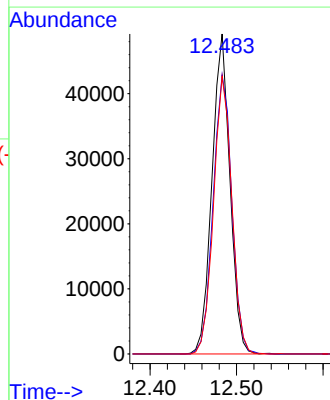
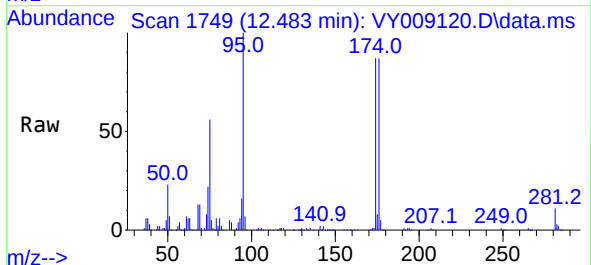
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

Tgt Ion: 98 Resp: 250028  
Ion Ratio Lower Upper  
98 100  
100 64.8 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 38.448 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

Tgt Ion: 95 Resp: 70770  
Ion Ratio Lower Upper  
95 100  
174 90.7 0.0 177.0  
176 88.4 0.0 175.8

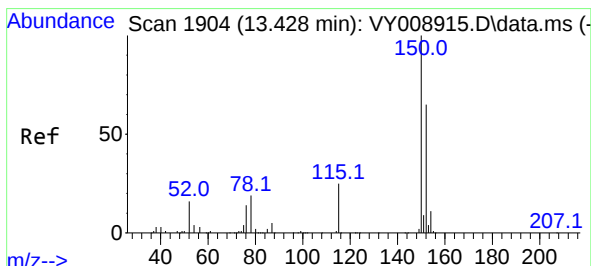
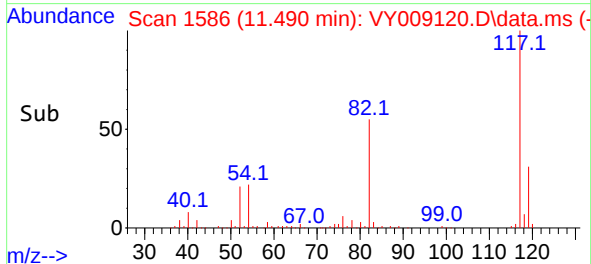
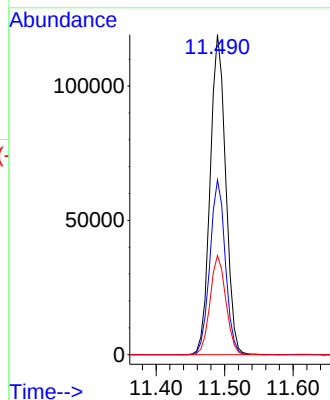
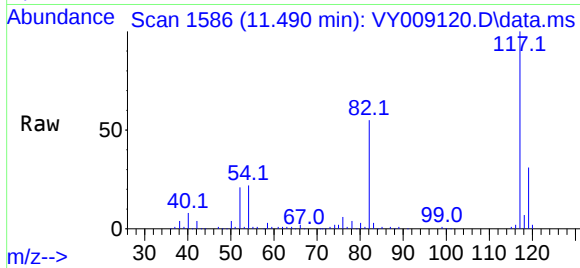




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 117  
Delta R.T. -0.000 min  
Lab File: VY009120.D  
Acq: 02 Jun 2022 12:21

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VY0602SBL01

Tgt Ion:117 Resp: 187782  
Ion Ratio Lower Upper  
117 100  
82 54.6 43.0 64.4  
119 31.0 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: VY009120.D  
Acq: 02 Jun 2022 12:21

Tgt Ion:152 Resp: 79880  
Ion Ratio Lower Upper  
152 100  
115 57.0 28.2 84.7  
150 157.9 0.0 347.6

