

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011221\  
 Data File : VY003910.D  
 Acq On : 12 Jan 2021 18:49  
 Operator : SY/MD  
 Sample : M1075-03  
 Misc : 4.04G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 23 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 7

Quant Time: Jan 13 02:35:53 2021  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011221S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Jan 12 11:47:10 2021  
 Response via : Initial Calibration

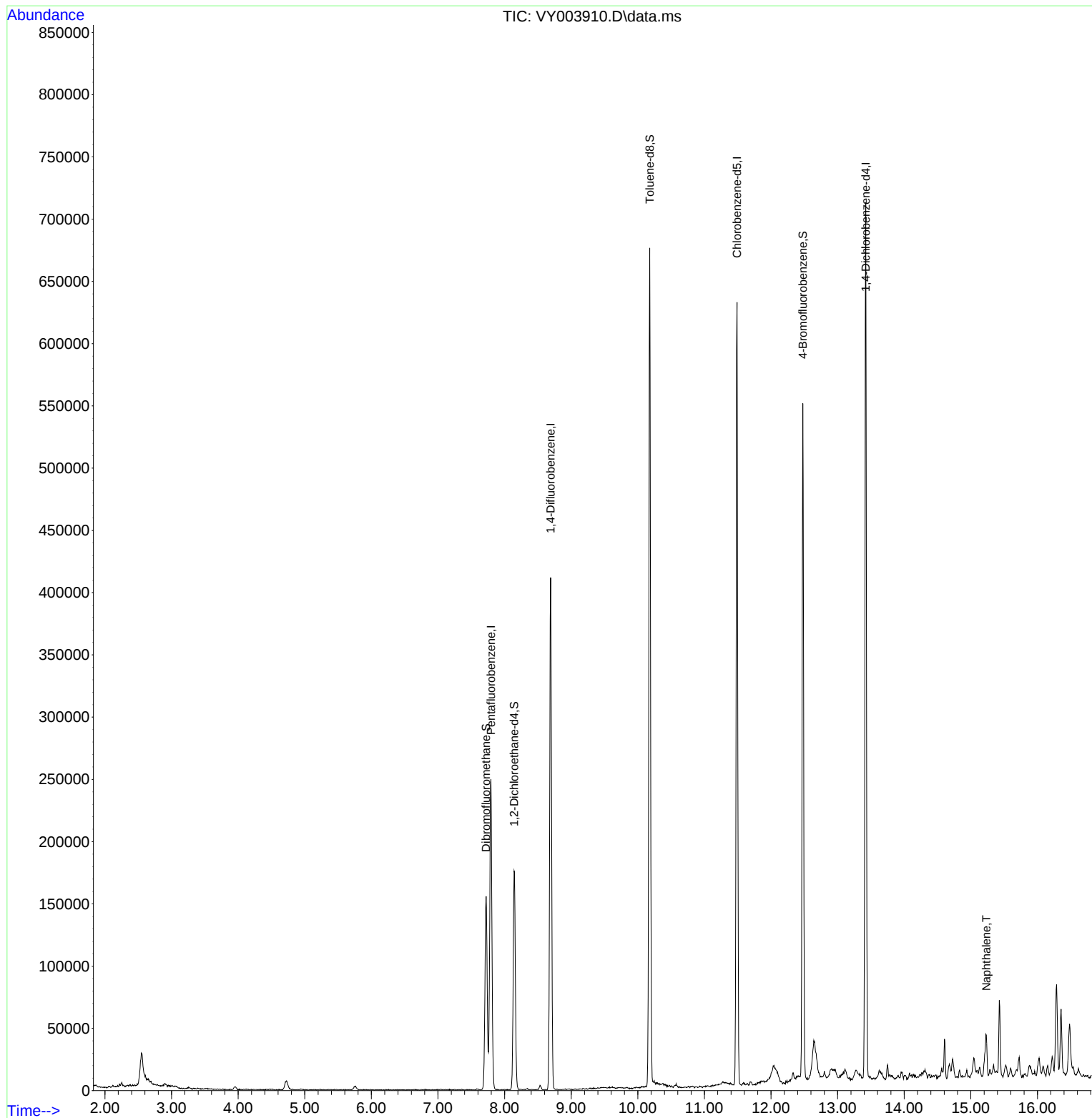
| Compound                    | R.T.   | QIon  | Response | Conc     | Units | Dev(Min)     |
|-----------------------------|--------|-------|----------|----------|-------|--------------|
| -----                       |        |       |          |          |       |              |
| Internal Standards          |        |       |          |          |       |              |
| 1) Pentafluorobenzene       | 7.795  | 168   | 196050   | 50.00    | ug/l  | 0.00         |
| 34) 1,4-Difluorobenzene     | 8.691  | 114   | 331540   | 50.00    | ug/l  | 0.00         |
| 63) Chlorobenzene-d5        | 11.490 | 117   | 319021   | 50.00    | ug/l  | 0.00         |
| 72) 1,4-Dichlorobenzene-d4  | 13.422 | 152   | 168918   | 50.00    | ug/l  | 0.00         |
| System Monitoring Compounds |        |       |          |          |       |              |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 135873   | 44.62    | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =     | 89.24%       |
| 35) Dibromofluoromethane    | 7.722  | 113   | 104731   | 38.65    | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =     | 77.30%       |
| 50) Toluene-d8              | 10.179 | 98    | 422555   | 38.48    | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =     | 76.96%       |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 157645   | 39.31    | ug/l  | 0.00         |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =     | 78.62%       |
| Target Compounds            |        |       |          |          |       |              |
| 95) Naphthalene             | 15.233 | 128   | 25957    | 2.99     | ug/l  | Qvalue<br>96 |
| -----                       |        |       |          |          |       |              |

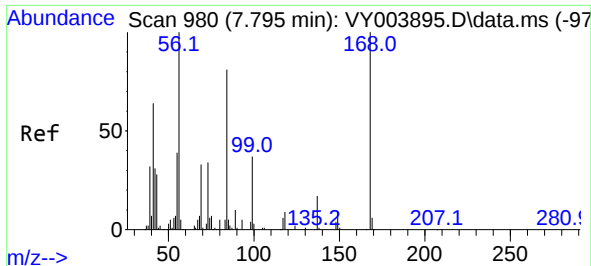
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Sample : M1075-03  
Misc : 4.04G/5ML/MSVOA\_Y/SOIL  
ALS Vial : 23 Sample Multiplier: 1

Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

Quant Time: Jan 13 02:35:53 2021  
Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y011221S.M  
Quant Title : SW846 8260  
QLast Update : Tue Jan 12 11:47:10 2021  
Response via : Initial Calibration

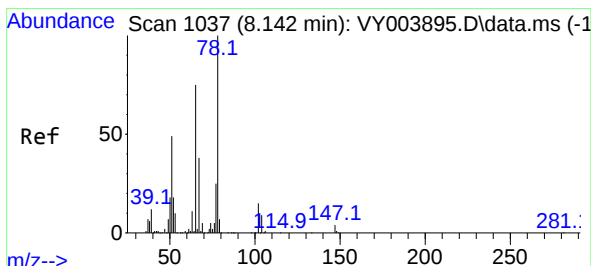
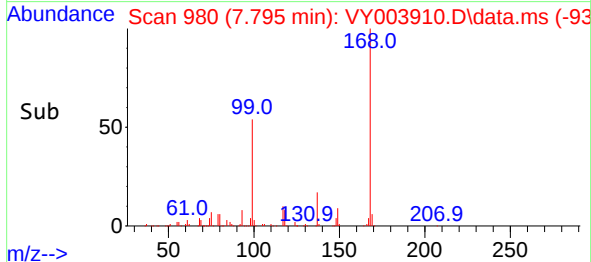
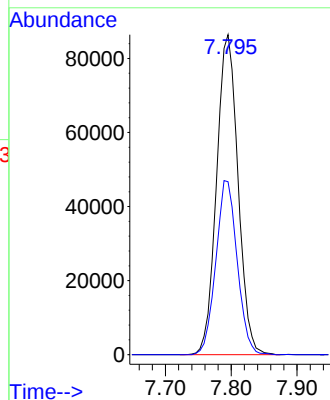
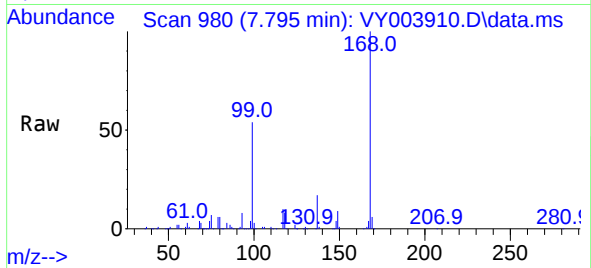




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

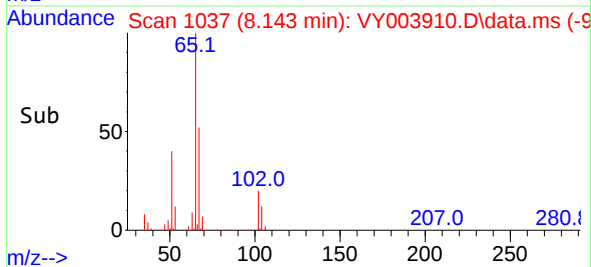
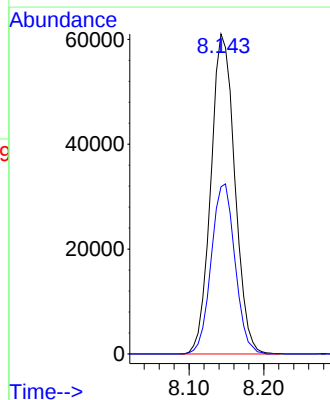
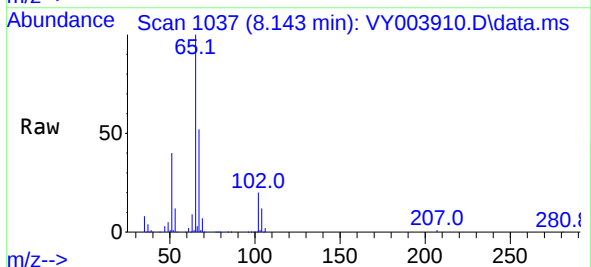
Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

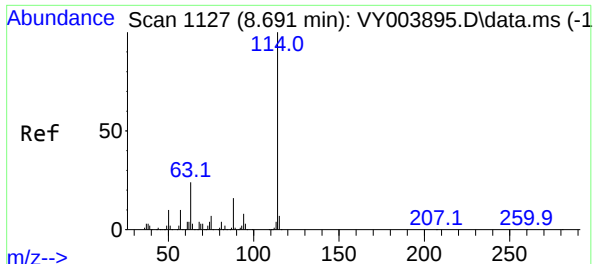
Tgt Ion:168 Resp: 196050  
Ion Ratio Lower Upper  
168 100  
99 54.0 40.4 60.6



#33  
1,2-Dichloroethane-d4  
Concen: 44.62 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Tgt Ion: 65 Resp: 135873  
Ion Ratio Lower Upper  
65 100  
67 52.8 0.0 102.2



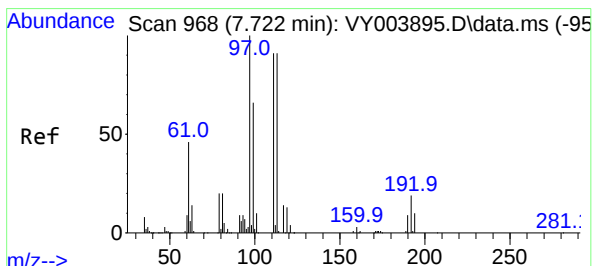
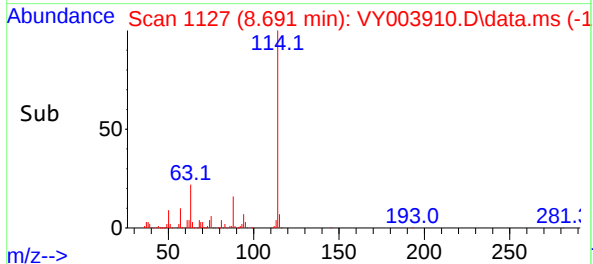
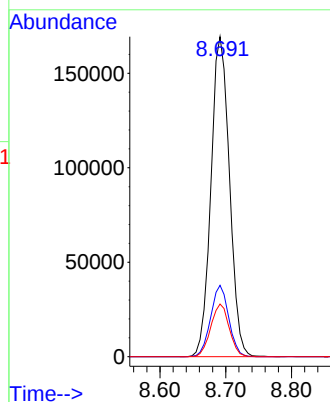
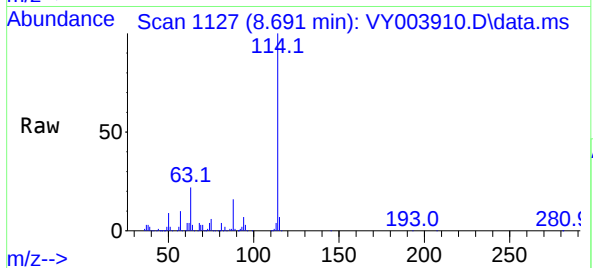


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

Tgt Ion:114 Resp: 331540

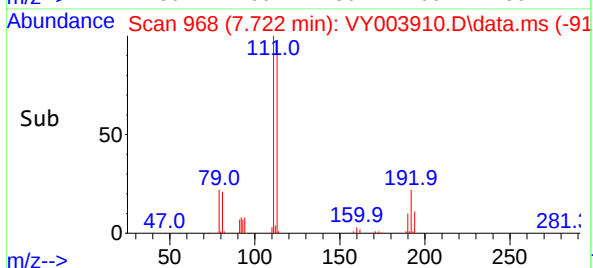
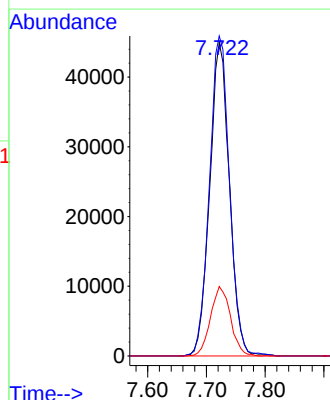
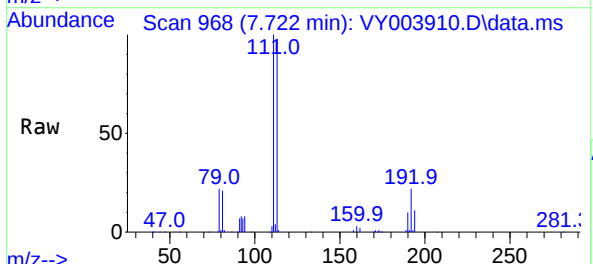
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.3  | 0.0   | 38.8  |
| 88  | 16.4  | 0.0   | 31.4  |

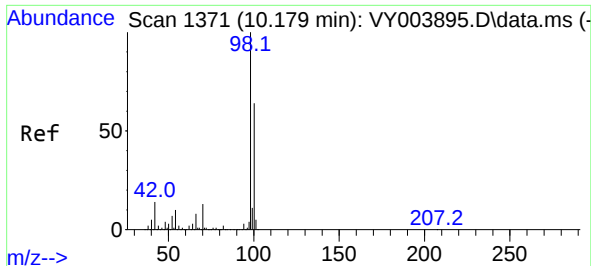


#35  
Dibromofluoromethane  
Concen: 38.65 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Tgt Ion:113 Resp: 104731

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 103.9 | 83.0  | 124.6 |
| 192 | 22.5  | 19.8  | 29.6  |

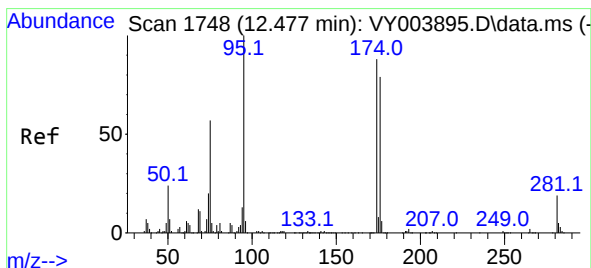
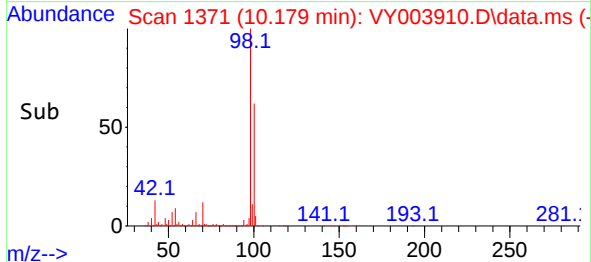
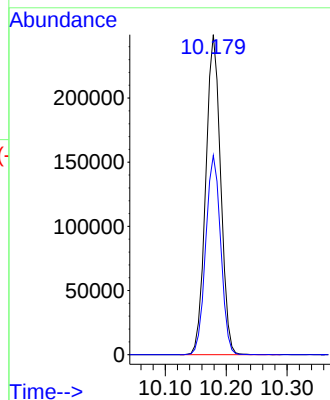
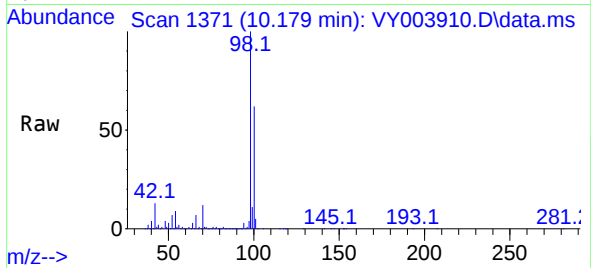




#50  
Toluene-d8  
Concen: 38.48 ug/l  
RT: 10.179 min Scan# 1371  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

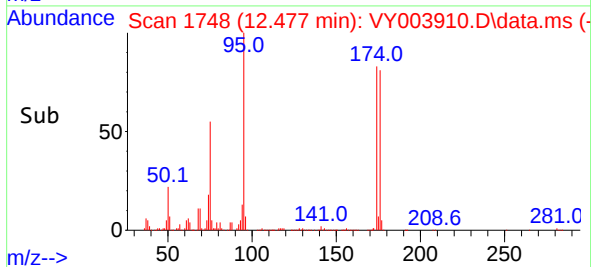
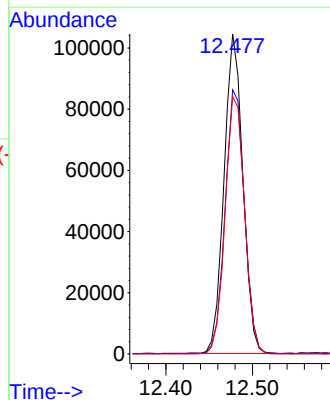
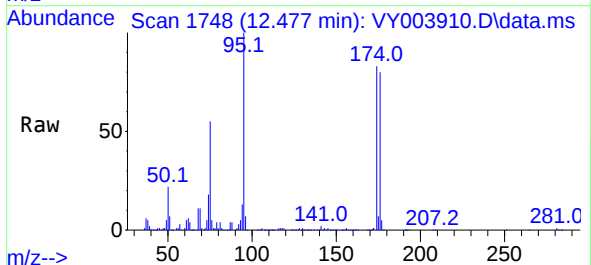
Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

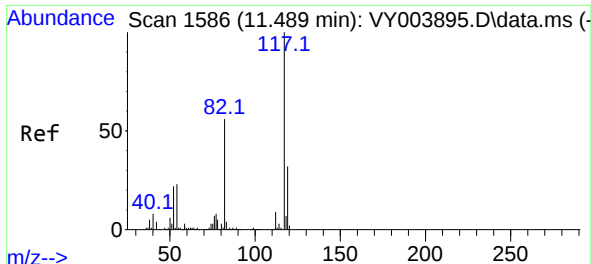
Tgt Ion: 98 Resp: 422555  
Ion Ratio Lower Upper  
98 100  
100 62.6 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 39.31 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Tgt Ion: 95 Resp: 157645  
Ion Ratio Lower Upper  
95 100  
174 85.6 0.0 193.2  
176 83.1 0.0 187.0



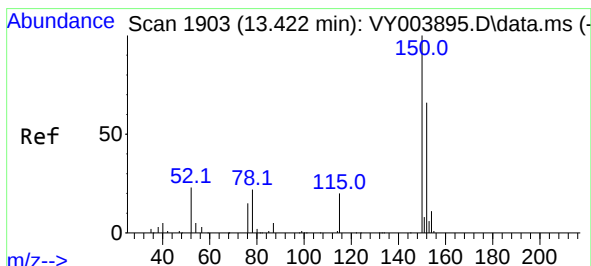
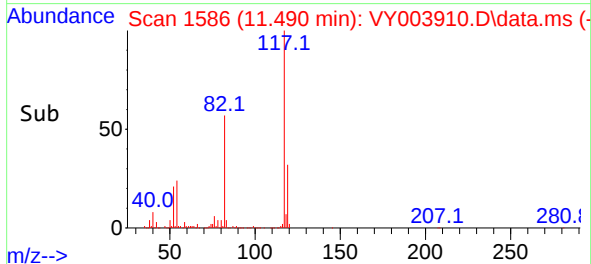
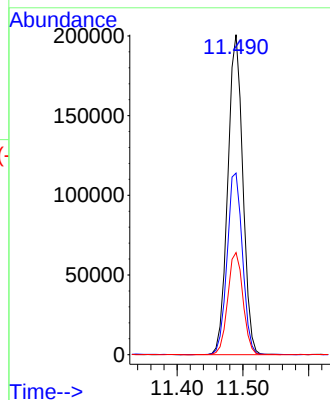
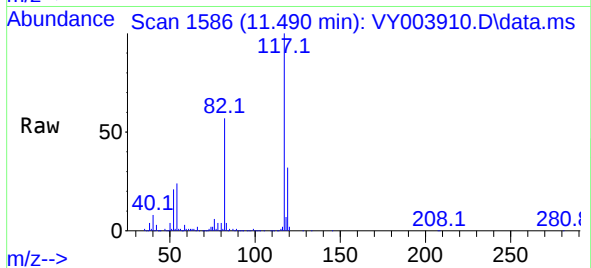


#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.490 min Scan# 1586  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

Tgt Ion:117 Resp: 319021

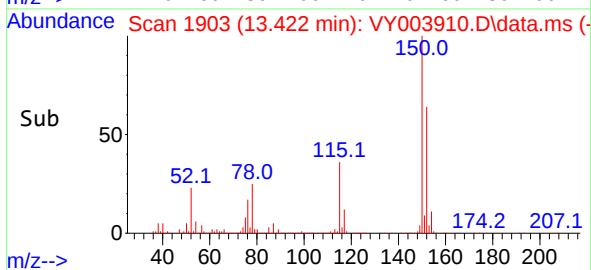
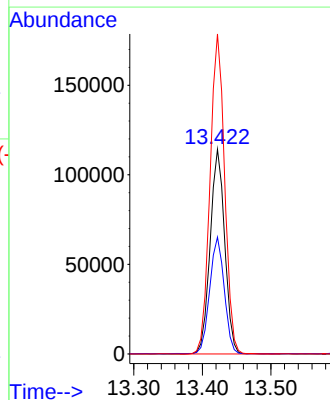
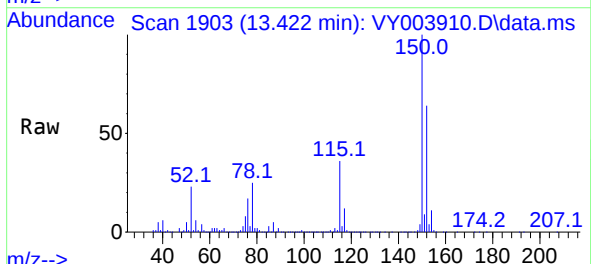
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 117 | 100   |       |       |
| 82  | 56.7  | 43.9  | 65.9  |
| 119 | 31.9  | 26.2  | 39.4  |

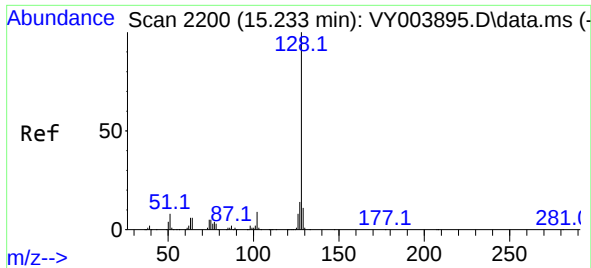


#72  
1,4-Dichlorobenzene-d4  
Concen: 50.00 ug/l  
RT: 13.422 min Scan# 1903  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Tgt Ion:152 Resp: 168918

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 152 | 100   |       |       |
| 115 | 56.6  | 27.9  | 83.7  |
| 150 | 156.5 | 0.0   | 356.4 |





#95  
Naphthalene  
Concen: 2.99 ug/l  
RT: 15.233 min Scan# 2200  
Delta R.T. 0.000 min  
Lab File: VY003910.D  
Acq: 12 Jan 2021 18:49

Instrument :  
MSVOA\_Y  
ClientSampleId :  
7

Tgt Ion:128 Resp: 25957  
Ion Ratio Lower Upper  
128 100  
127 15.4 10.6 15.8  
129 11.6 8.7 13.1

