

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY011421\  
 Data File : VY003921.D  
 Acq On : 14 Jan 2021 15:59  
 Operator : SY/MD  
 Sample : M1124-05  
 Misc : 5.44G/5ML/MSVOA\_Y/SOIL  
 ALS Vial : 10 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-223

Quant Time: Jan 15 00:58:27 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  | 77966    | 50.00 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 116969   | 50.00 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 92904    | 50.00 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 29623    | 50.00 | ug/l  | 0.00     |

|                             |        |       |          |          |      |        |
|-----------------------------|--------|-------|----------|----------|------|--------|
| System Monitoring Compounds |        |       |          |          |      |        |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 43276    | 35.73    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 71.46% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 37759    | 39.50    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 79.00% |
| 50) Toluene-d8              | 10.178 | 98    | 140551   | 36.28    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 72.56% |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 38719    | 27.37    | ug/l | 0.00   |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 54.74% |

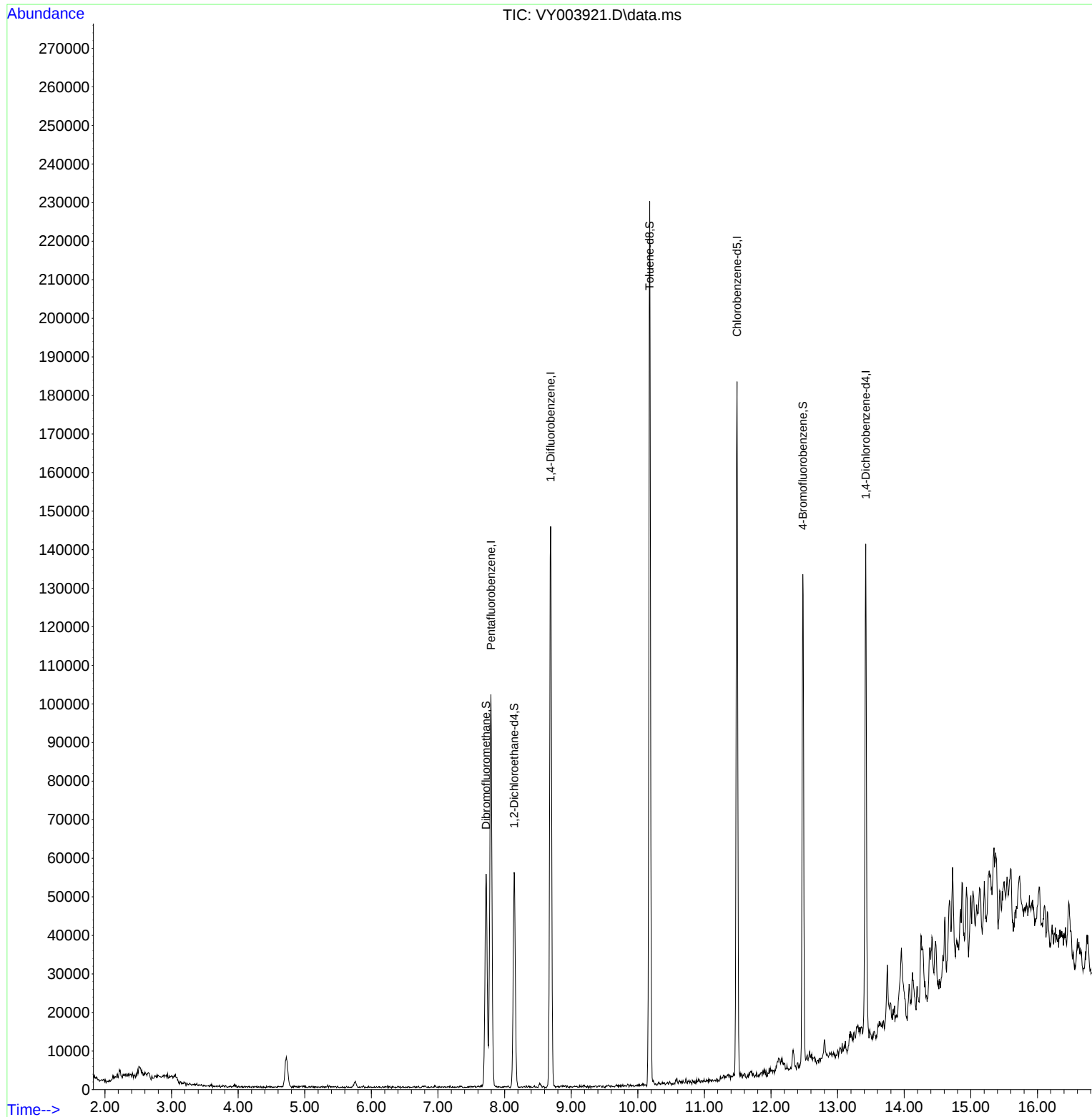
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

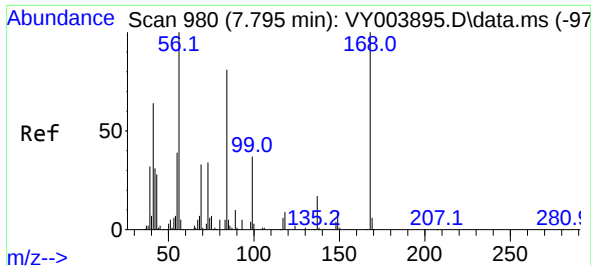
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Jan 15 00:58:27 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

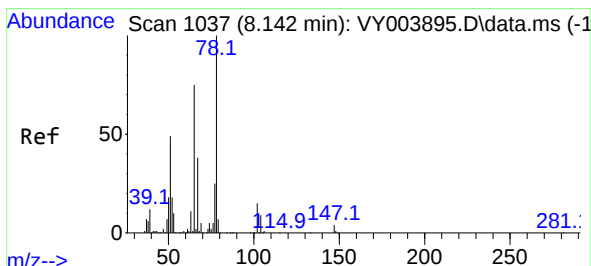
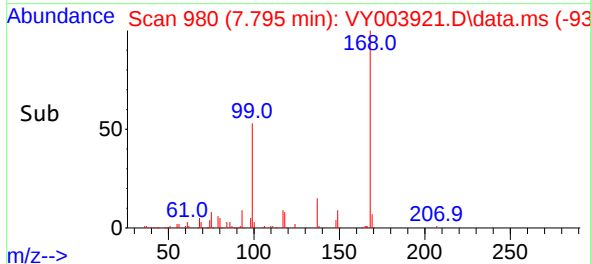
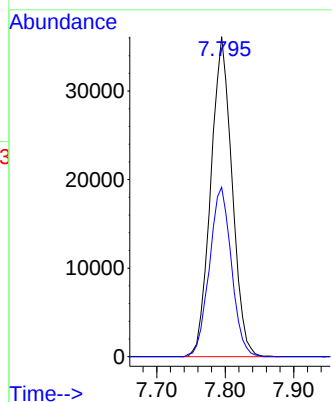
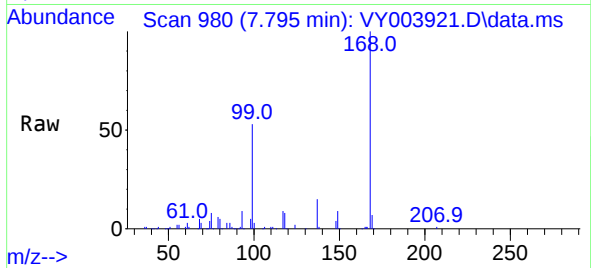




#1  
Pentafluorobenzene  
Concen: 50.00 ug/l  
RT: 7.795 min Scan# 980  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

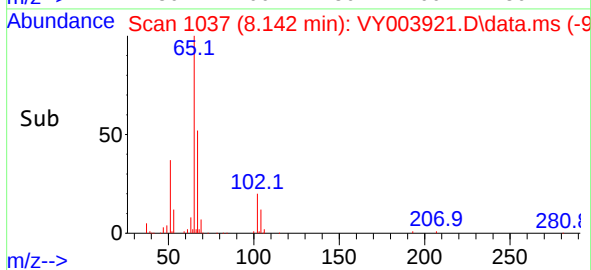
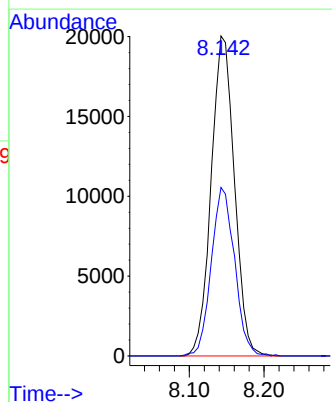
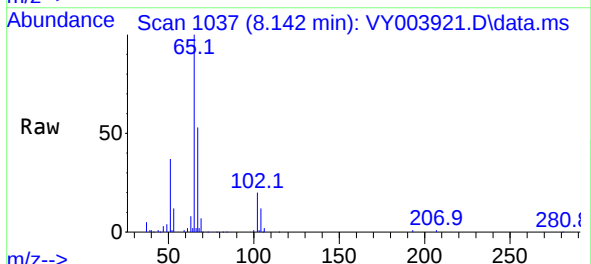
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-223

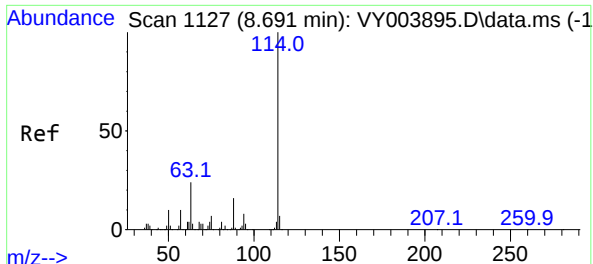
Tgt Ion:168 Resp: 77966  
Ion Ratio Lower Upper  
168 100  
99 52.9 40.4 60.6



#33  
1,2-Dichloroethane-d4  
Concen: 35.73 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

Tgt Ion: 65 Resp: 43276  
Ion Ratio Lower Upper  
65 100  
67 52.9 0.0 102.2



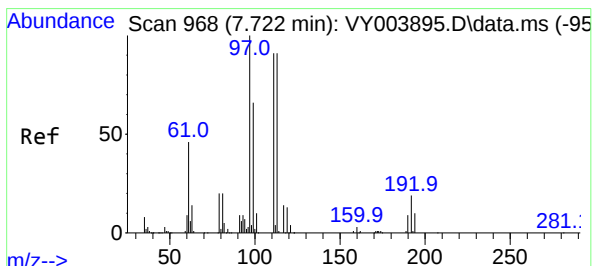
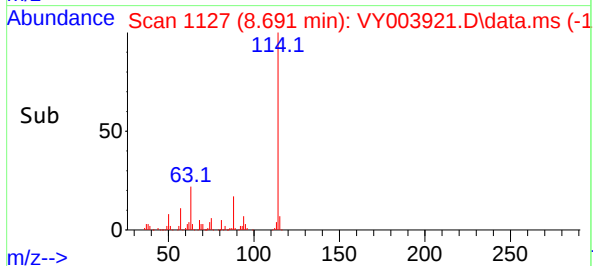
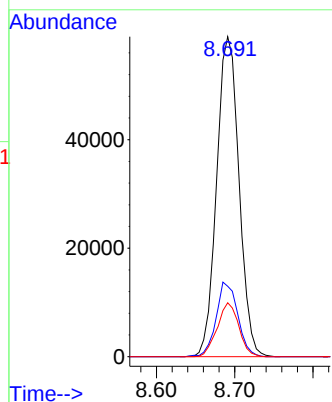
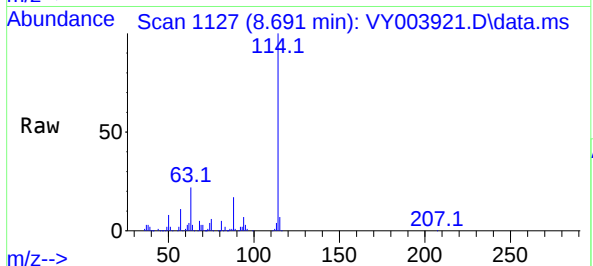


#34  
1,4-Difluorobenzene  
Concen: 50.00 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-223

Tgt Ion:114 Resp: 116969

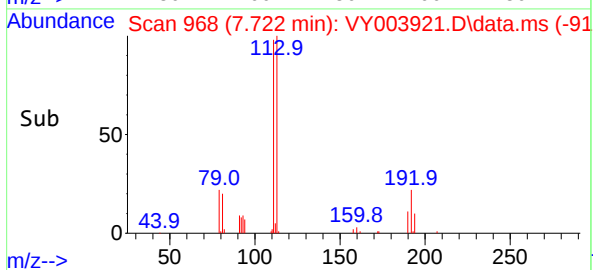
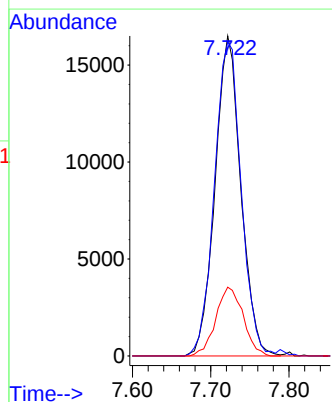
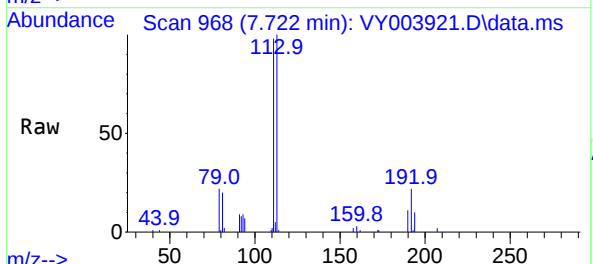
| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 114 | 100   |       |       |
| 63  | 22.0  | 0.0   | 38.8  |
| 88  | 16.9  | 0.0   | 31.4  |

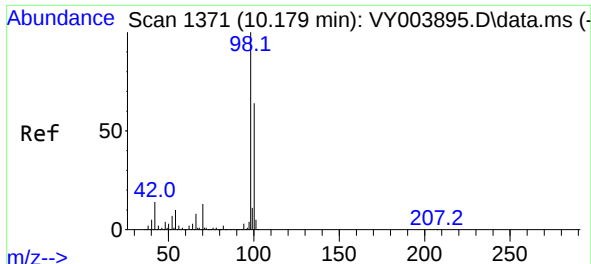


#35  
Dibromofluoromethane  
Concen: 39.50 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

Tgt Ion:113 Resp: 37759

| Ion | Ratio | Lower | Upper |
|-----|-------|-------|-------|
| 113 | 100   |       |       |
| 111 | 101.8 | 83.0  | 124.6 |
| 192 | 22.8  | 19.8  | 29.6  |

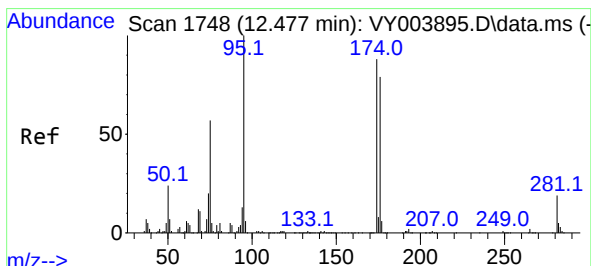
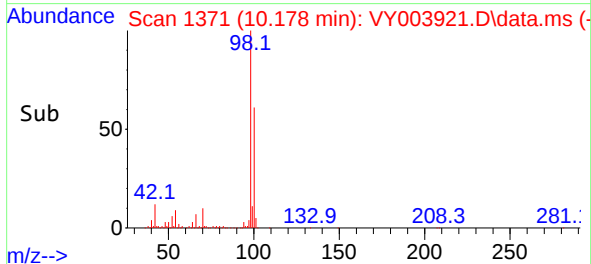
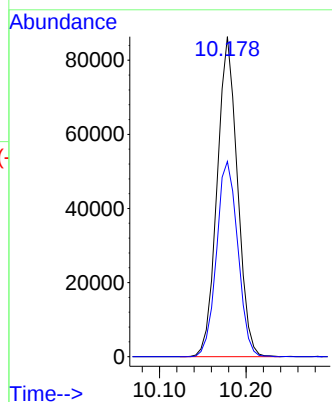
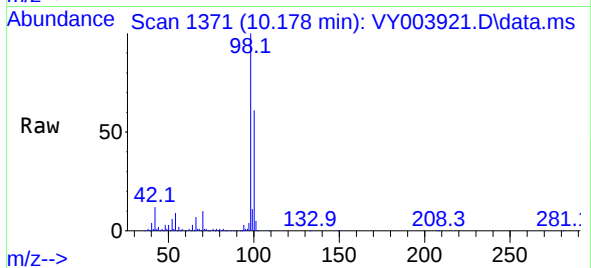




#50  
Toluene-d8  
Concen: 36.28 ug/l  
RT: 10.178 min Scan# 1371  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

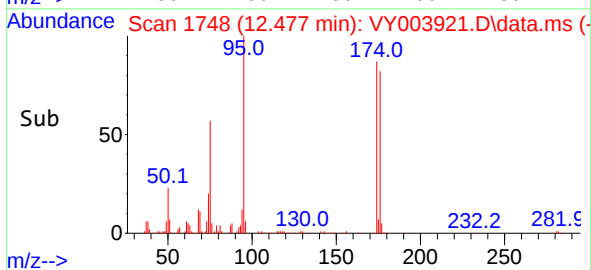
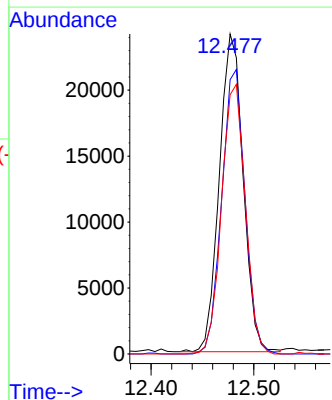
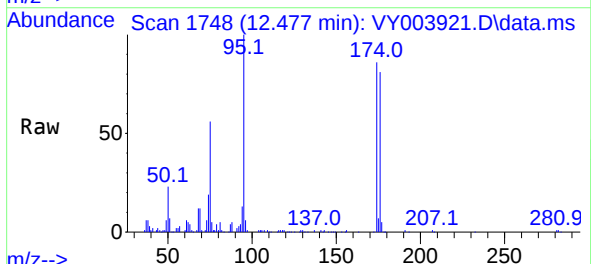
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-223

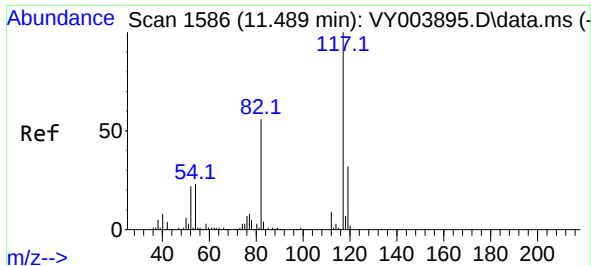
Tgt Ion: 98 Resp: 140551  
Ion Ratio Lower Upper  
98 100  
100 63.8 51.4 77.0



#62  
4-Bromofluorobenzene  
Concen: 27.37 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

Tgt Ion: 95 Resp: 38719  
Ion Ratio Lower Upper  
95 100  
174 87.6 0.0 193.2  
176 84.8 0.0 187.0

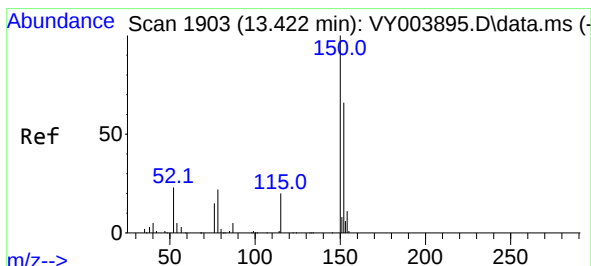
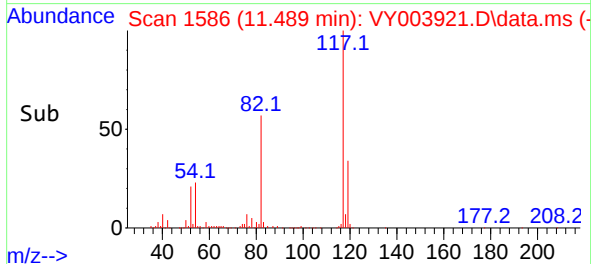
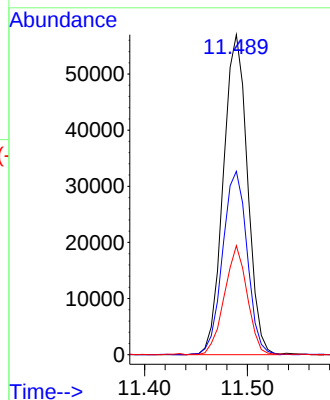
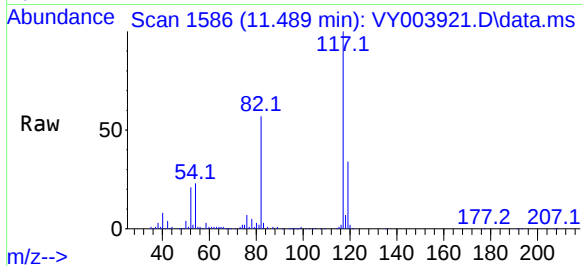




#63  
Chlorobenzene-d5  
Concen: 50.00 ug/l  
RT: 11.489 min Scan# 1586  
Delta R.T. -0.000 min  
Lab File: VY003921.D  
Acq: 14 Jan 2021 15:59

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ClientSampleId :  
VNJ-223

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 117   | Resp: | 92904 |
| Ion Ratio | Lower | Upper |       |
| 117       | 100   |       |       |
| 82        | 57.3  | 43.9  | 65.9  |
| 119       | 33.8  | 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: VY003921.D  
Acq: 14 Jan 2021 15:59

|           |       |       |       |
|-----------|-------|-------|-------|
| Tgt Ion:  | 152   | Resp: | 29623 |
| Ion Ratio | Lower | Upper |       |
| 152       | 100   |       |       |
| 115       | 57.4  | 27.9  | 83.7  |
| 150       | 159.4 | 0.0   | 356.4 |

