

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030623\  
 Data File : VY012826.D  
 Acq On : 06 Mar 2023 16:13  
 Operator : KP/MD  
 Sample : 01770-01  
 Misc : 5.07g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 17 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 VNJ-223

Quant Time: Mar 07 04:25:39 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y030223S.M  
 Quant Title : SW846 8260  
 QLast Update : Fri Mar 03 01:13:13 2023  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 14532    | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 21195    | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 18804    | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 6866     | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 9547     | 66.168   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 132.340% |
| 35) Dibromofluoromethane    | 7.716  | 113   | 9034     | 70.627   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 141.260% |
| 50) Toluene-d8              | 10.179 | 98    | 26331    | 56.309   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 112.620% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 6787     | 43.001   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 86.000%  |

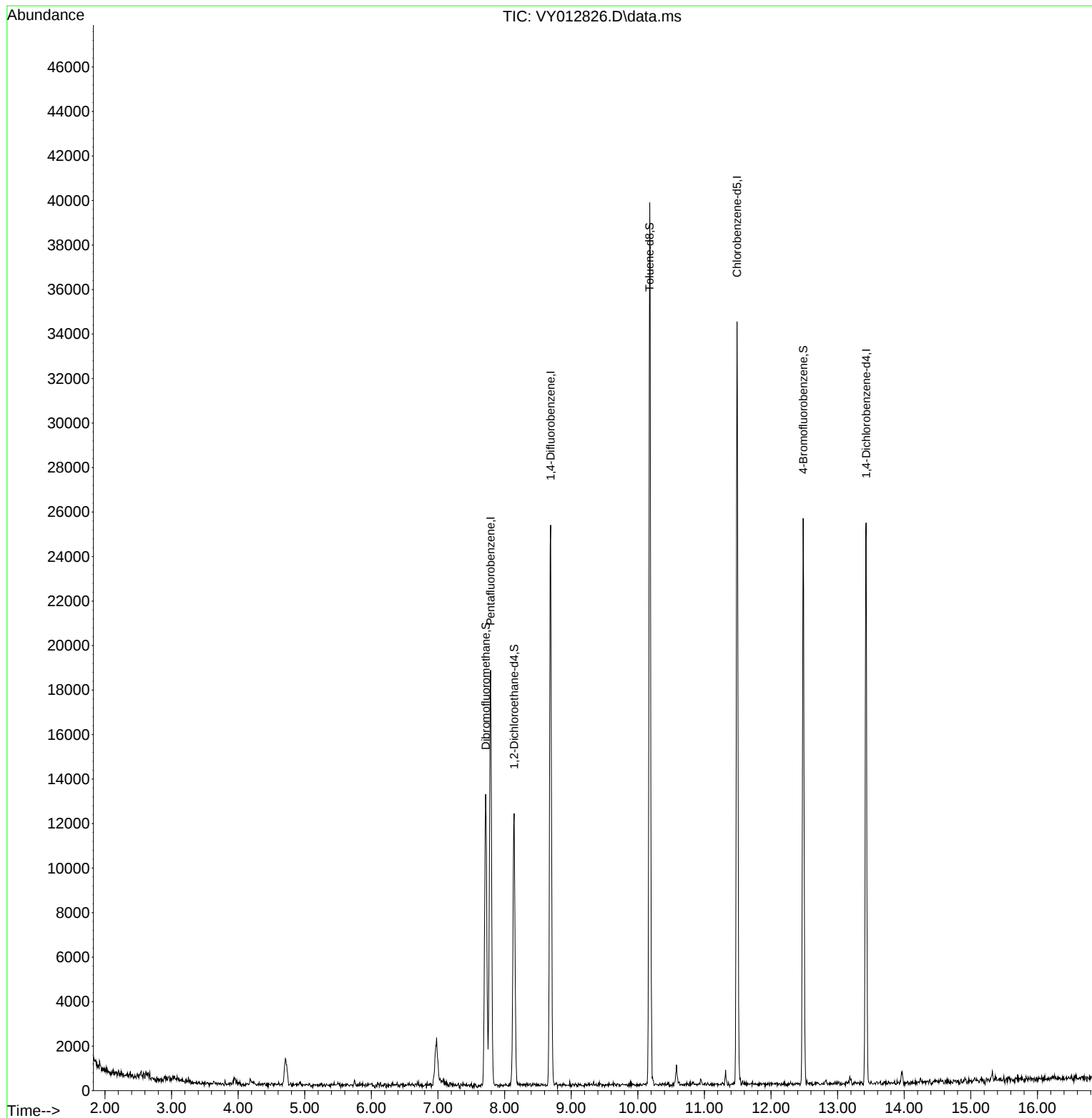
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

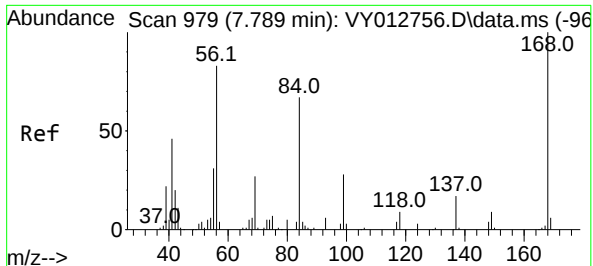
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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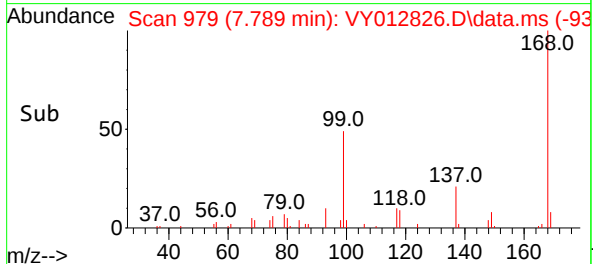
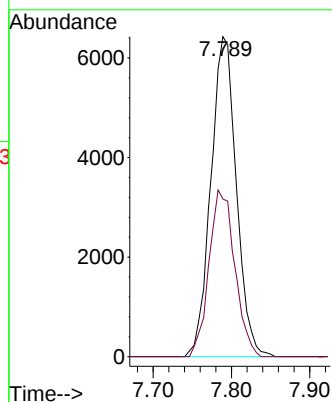
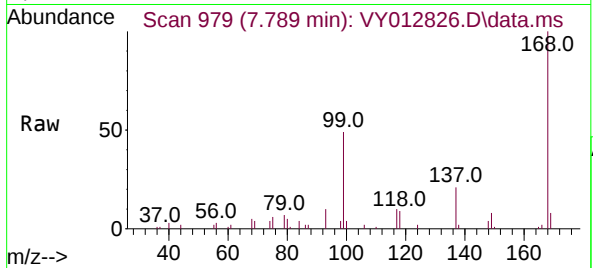




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.000 min  
Lab File: VY012826.D  
Acq: 06 Mar 2023 16:13

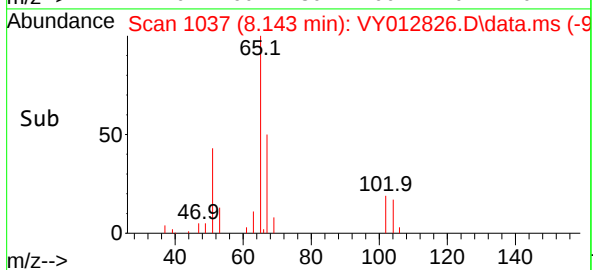
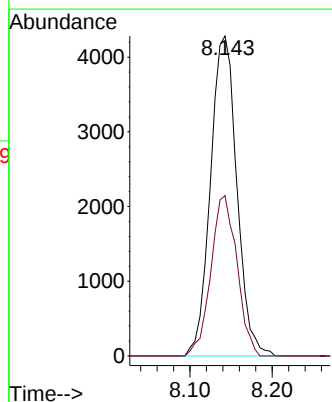
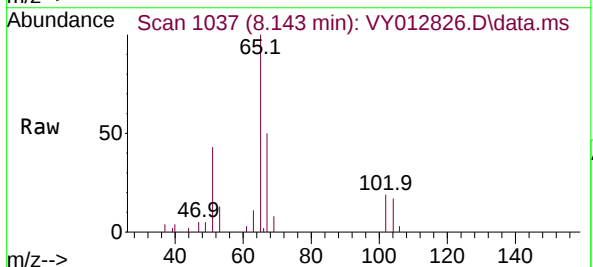
Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-223

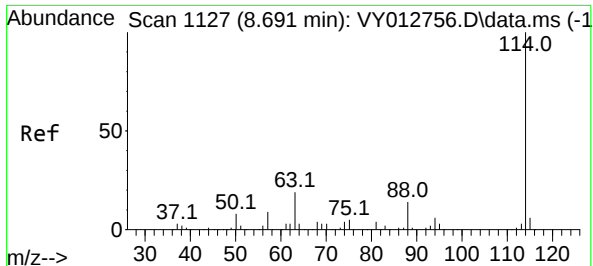
Tgt Ion:168 Resp: 14532  
Ion Ratio Lower Upper  
168 100  
99 49.3 41.7 62.5



#33  
1,2-Dichloroethane-d4  
Concen: 66.168 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY012826.D  
Acq: 06 Mar 2023 16:13

Tgt Ion: 65 Resp: 9547  
Ion Ratio Lower Upper  
65 100  
67 49.5 0.0 104.0





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012826.D

Acq: 06 Mar 2023 16:13

Instrument :

MSVOA\_Y

ClientSampleId :

VNJ-223

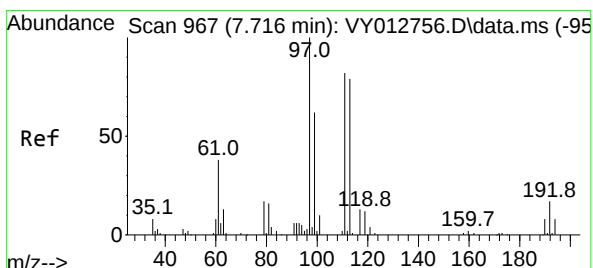
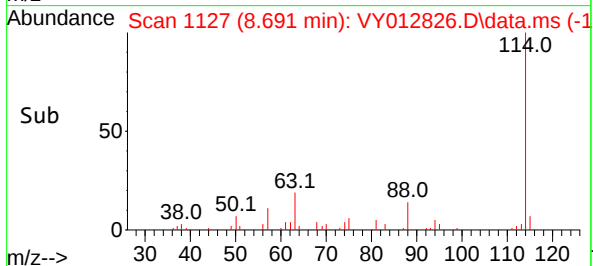
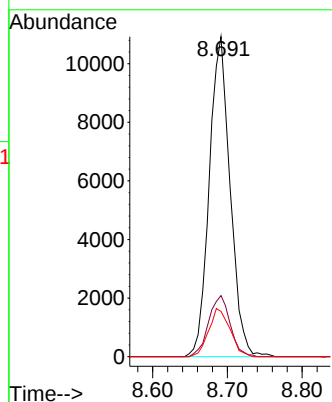
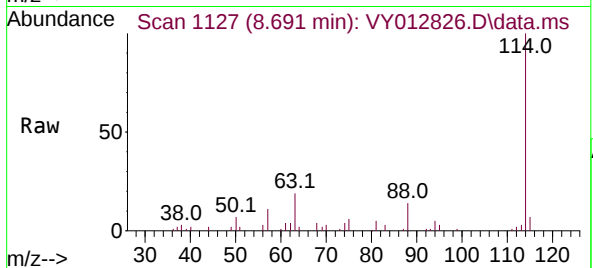
Tgt Ion:114 Resp: 21195

Ion Ratio Lower Upper

114 100

63 19.1 0.0 37.4

88 14.1 0.0 28.6



#35

Dibromofluoromethane

Concen: 70.627 ug/l

RT: 7.716 min Scan# 967

Delta R.T. 0.000 min

Lab File: VY012826.D

Acq: 06 Mar 2023 16:13

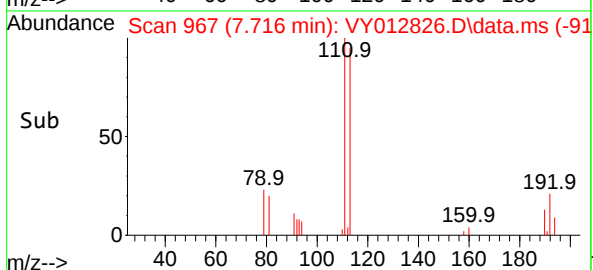
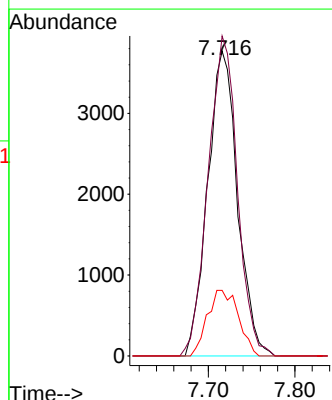
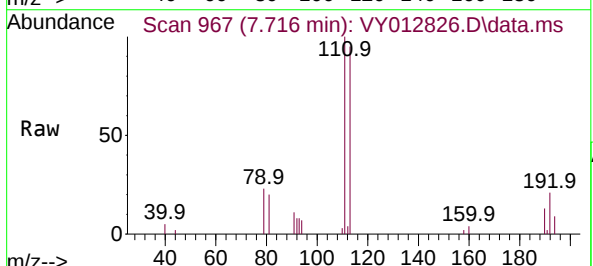
Tgt Ion:113 Resp: 9034

Ion Ratio Lower Upper

113 100

111 102.8 82.2 123.2

192 22.3 16.8 25.2





#50

Toluene-d8

Concen: 56.309 ug/l

RT: 10.179 min Scan# 1371

Delta R.T. 0.000 min

Lab File: VY012826.D

Acq: 06 Mar 2023 16:13

Instrument :

MSVOA\_Y

ClientSampleId :

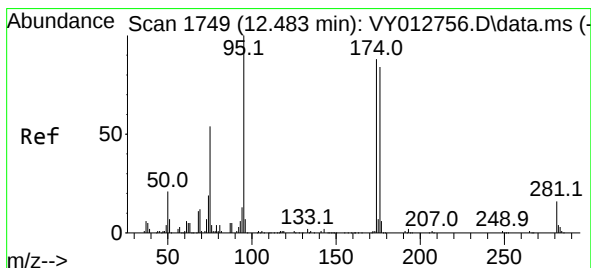
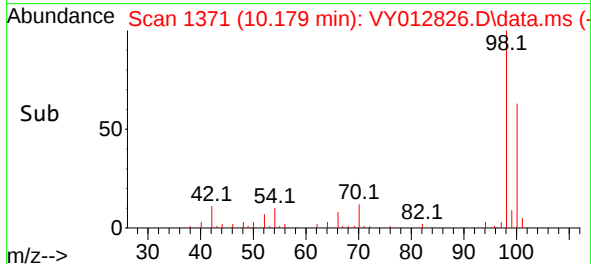
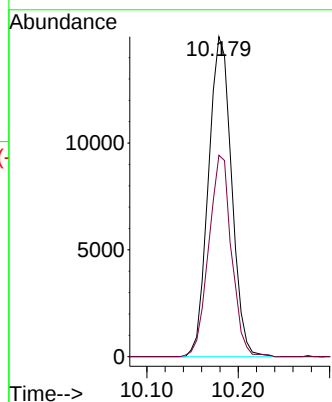
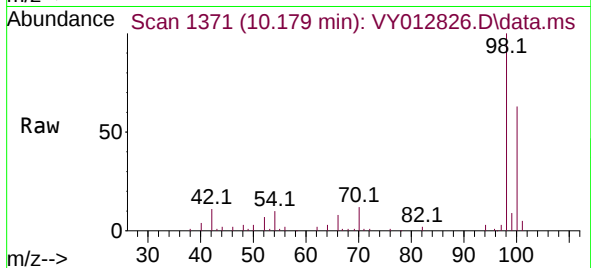
VNJ-223

Tgt Ion: 98 Resp: 26331

Ion Ratio Lower Upper

98 100

100 62.0 50.9 76.3



#62

4-Bromofluorobenzene

Concen: 43.001 ug/l

RT: 12.483 min Scan# 1749

Delta R.T. 0.000 min

Lab File: VY012826.D

Acq: 06 Mar 2023 16:13

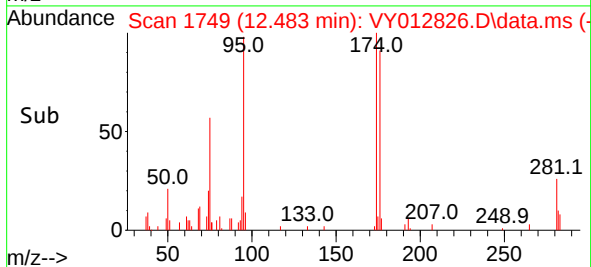
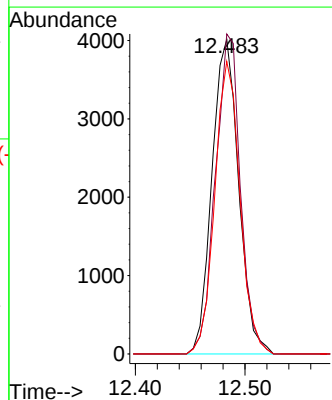
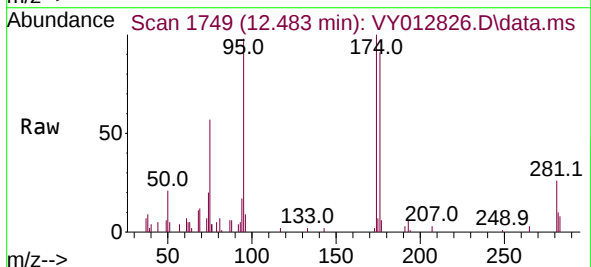
Tgt Ion: 95 Resp: 6787

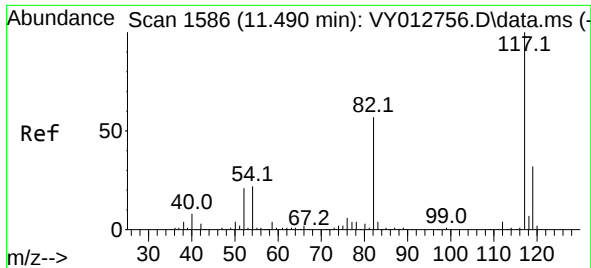
Ion Ratio Lower Upper

95 100

174 95.2 0.0 176.6

176 88.0 0.0 170.2

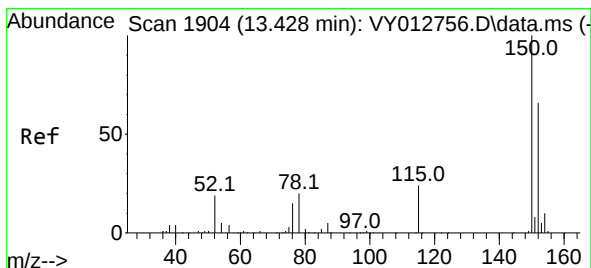
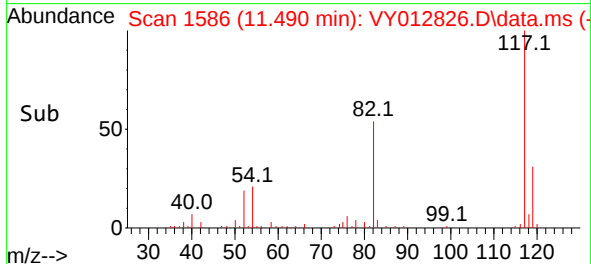
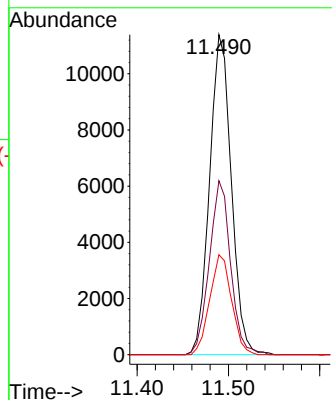
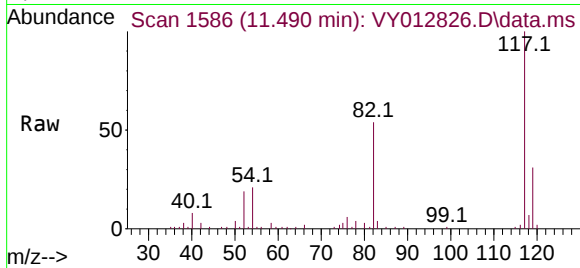




#63  
Chlorobenzene-d5  
Concen: 50.000 ug/l  
RT: 11.490 min Scan# 11  
Delta R.T. 0.000 min  
Lab File: VY012826.D  
Acq: 06 Mar 2023 16:13

Instrument :  
MSVOA\_Y  
ClientSampleId :  
VNJ-223

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 117   | Resp: | 18804 |
| Ion      | Ratio | Lower | Upper |
| 117      | 100   |       |       |
| 82       | 54.4  | 45.4  | 68.0  |
| 119      | 31.3  | 25.6  | 38.4  |



#72  
1,4-Dichlorobenzene-d4  
Concen: 50.000 ug/l  
RT: 13.428 min Scan# 1904  
Delta R.T. 0.000 min  
Lab File: VY012826.D  
Acq: 06 Mar 2023 16:13

|          |       |       |       |
|----------|-------|-------|-------|
| Tgt Ion: | 152   | Resp: | 6866  |
| Ion      | Ratio | Lower | Upper |
| 152      | 100   |       |       |
| 115      | 53.5  | 27.1  | 81.3  |
| 150      | 157.6 | 0.0   | 347.8 |

