

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY030322\  
 Data File : VY007700.D  
 Acq On : 03 Mar 2022 13:34  
 Operator : SY/MD  
 Sample : N1726-05  
 Misc : 6.03g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 11 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 332

Quant Time: Mar 04 00:41:03 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y022822S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Mar 01 09:08:03 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 251801   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 459272   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.490 | 117  | 447224   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 200514   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.143  | 65    | 156214   | 59.259   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 118.520% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 153734   | 52.357   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 104.720% |
| 50) Toluene-d8              | 10.179 | 98    | 569864   | 52.723   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 105.440% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 196501   | 56.400   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 112.800% |

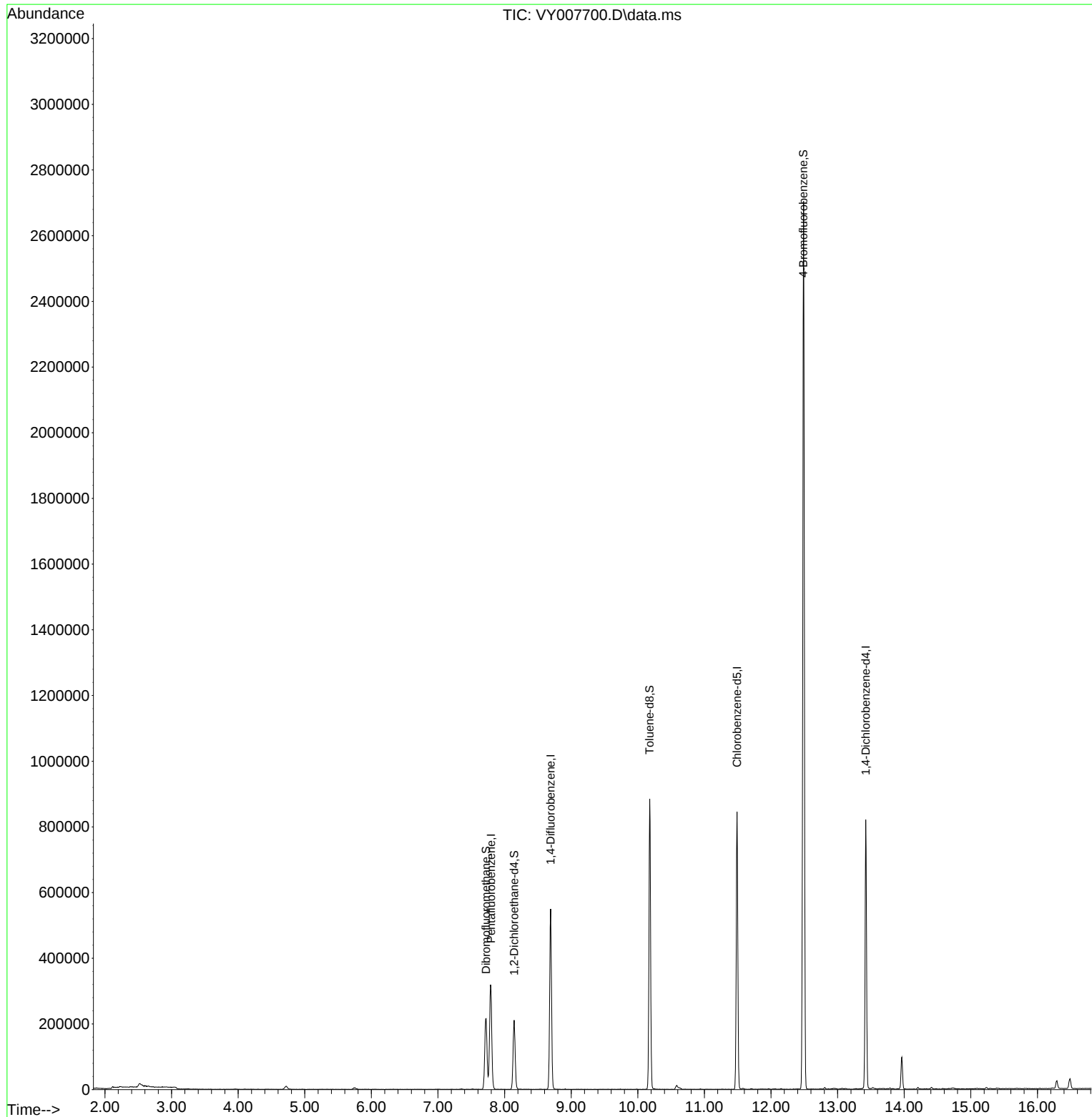
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

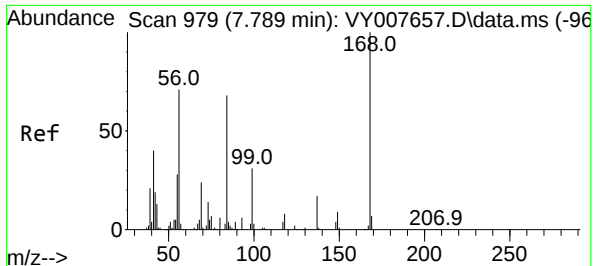
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Response via : Initial Calibration

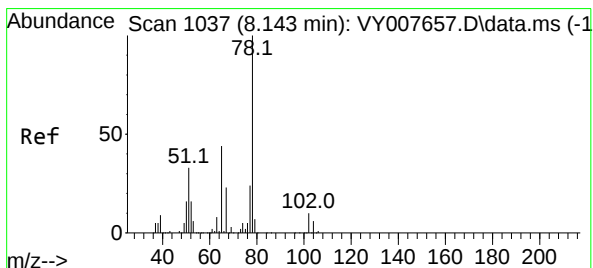
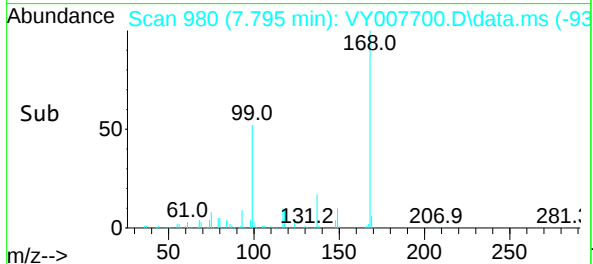
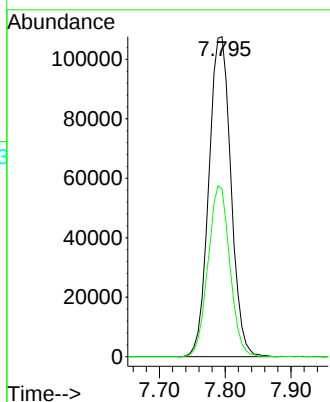
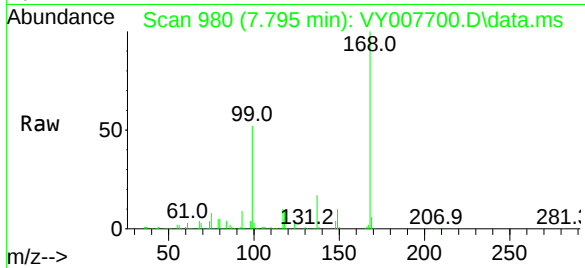




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY007700.D  
Acq: 03 Mar 2022 13:34

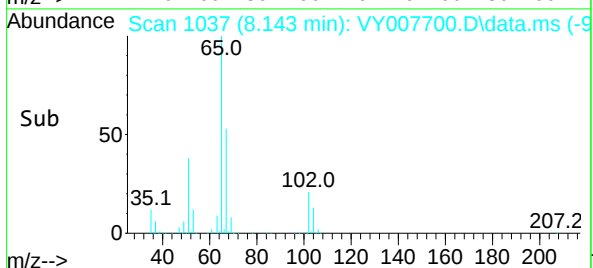
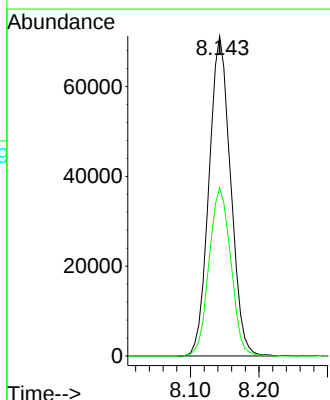
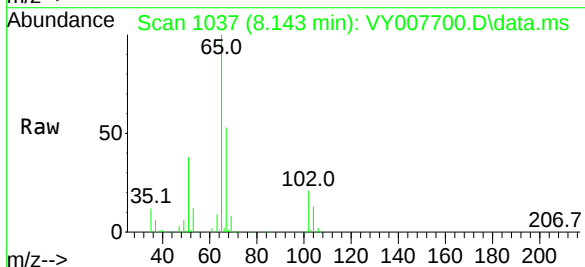
Instrument :  
MSVOA\_Y  
ClientSampleId :  
332

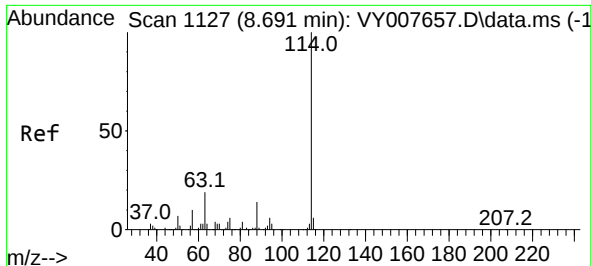
Tgt Ion:168 Resp: 251801  
Ion Ratio Lower Upper  
168 100  
99 52.3 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 59.259 ug/l  
RT: 8.143 min Scan# 1037  
Delta R.T. -0.000 min  
Lab File: VY007700.D  
Acq: 03 Mar 2022 13:34

Tgt Ion: 65 Resp: 156214  
Ion Ratio Lower Upper  
65 100  
67 52.7 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: VY007700.D

Acq: 03 Mar 2022 13:34

Instrument :

MSVOA\_Y

ClientSampleId :

332

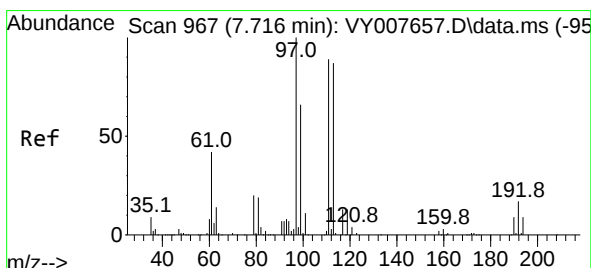
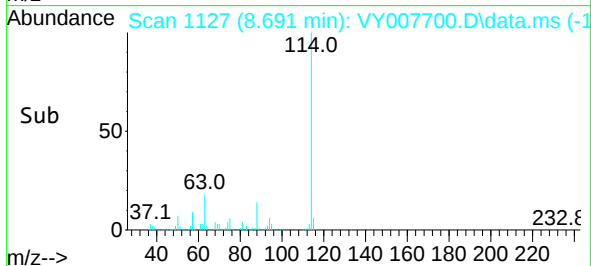
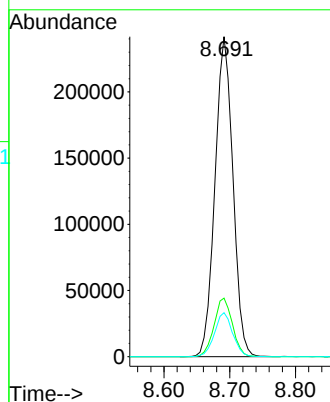
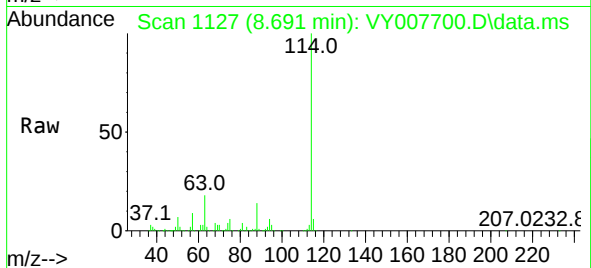
Tgt Ion:114 Resp: 459272

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 13.7 0.0 31.8



#35

Dibromofluoromethane

Concen: 52.357 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.006 min

Lab File: VY007700.D

Acq: 03 Mar 2022 13:34

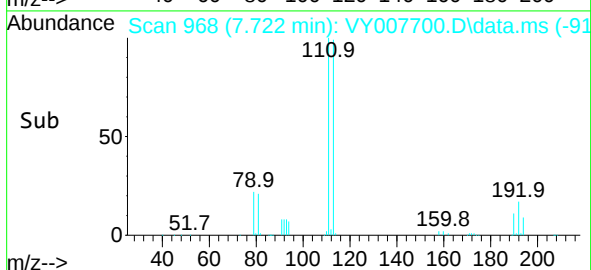
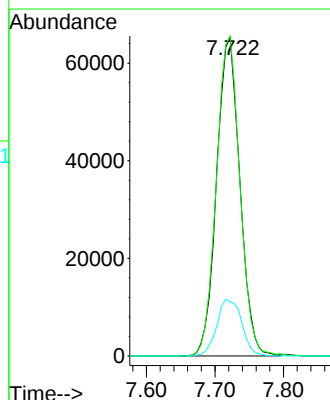
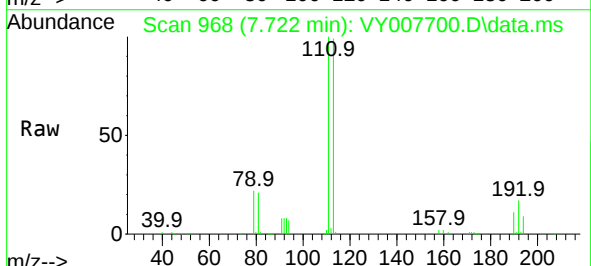
Tgt Ion:113 Resp: 153734

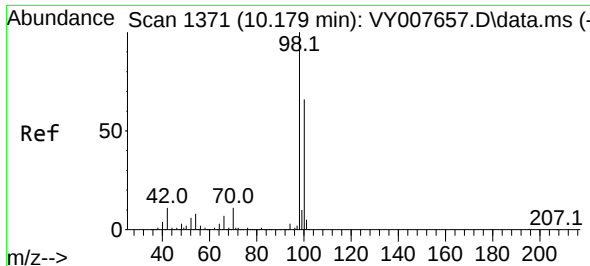
Ion Ratio Lower Upper

113 100

111 101.7 82.6 124.0

192 19.1 17.6 26.4

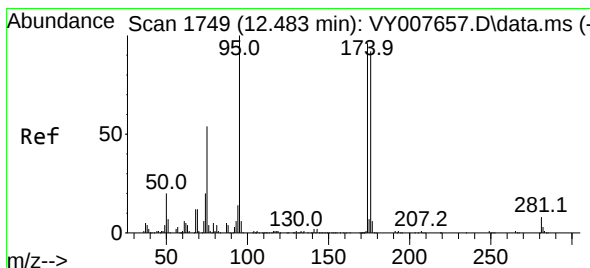
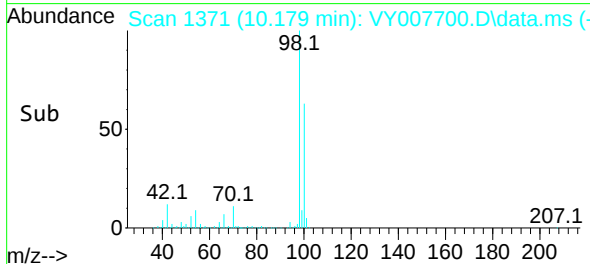
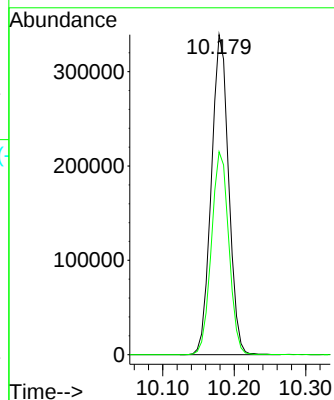
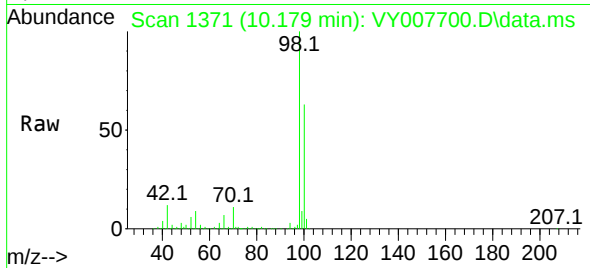




#50  
Toluene-d8  
Concen: 52.723 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY007700.D  
Acq: 03 Mar 2022 13:34

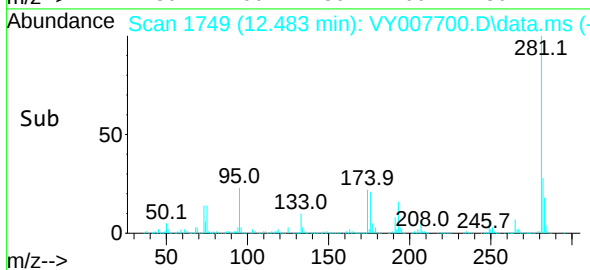
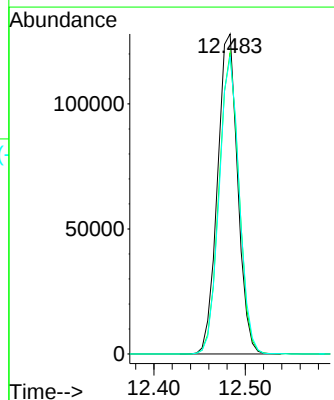
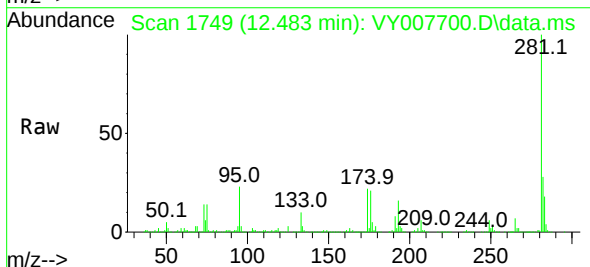
Instrument :  
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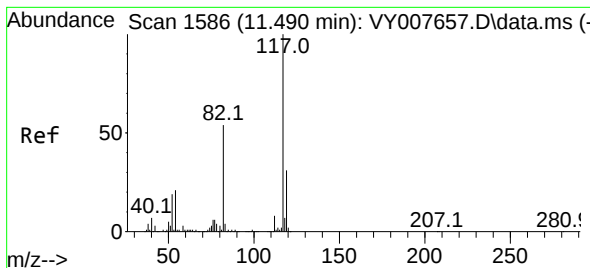
Tgt Ion: 98 Resp: 569864  
Ion Ratio Lower Upper  
98 100  
100 63.9 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 56.400 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY007700.D  
Acq: 03 Mar 2022 13:34

Tgt Ion: 95 Resp: 196501  
Ion Ratio Lower Upper  
95 100  
174 92.6 0.0 177.0  
176 92.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.490 min Scan# 11

Delta R.T. -0.000 min

Lab File: VY007700.D

Acq: 03 Mar 2022 13:34

Instrument :

MSVOA\_Y

ClientSampleId :

332

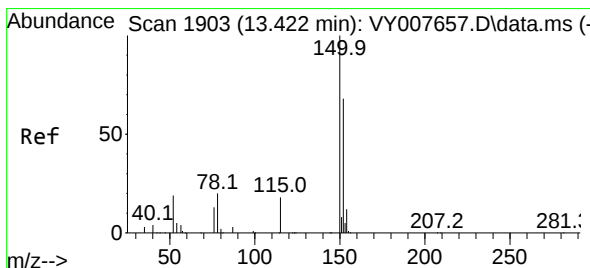
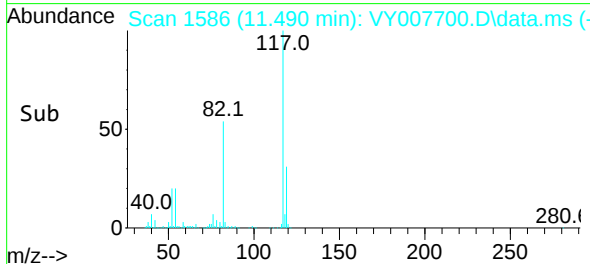
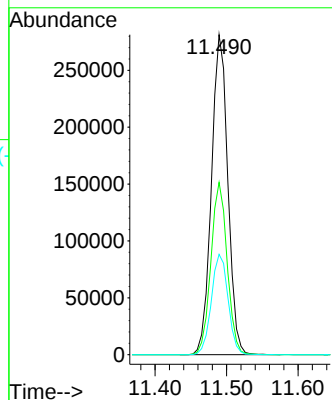
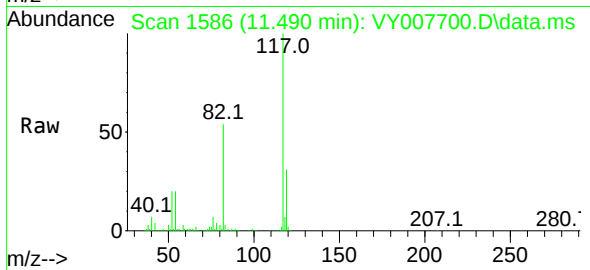
Tgt Ion:117 Resp: 447224

Ion Ratio Lower Upper

117 100

82 53.9 43.0 64.4

119 31.4 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.422 min Scan# 1903

Delta R.T. 0.000 min

Lab File: VY007700.D

Acq: 03 Mar 2022 13:34

Tgt Ion:152 Resp: 200514

Ion Ratio Lower Upper

152 100

115 55.5 28.2 84.7

150 156.7 0.0 347.6

