

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY093022\  
 Data File : VY010752.D  
 Acq On : 30 Sep 2022 16:16  
 Operator : KP/MD  
 Sample : N4896-01RE  
 Misc : 5.00g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 CRUSHED-MASONRY-PILE-9RE

Quant Time: Oct 01 06:18:52 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y091922S.M  
 Quant Title : SW846 8260  
 QLast Update : Tue Sep 20 01:02:44 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.789  | 168  | 183183   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 304560   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 262174   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.422 | 152  | 104036   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.136  | 65    | 105896   | 60.439   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 120.880% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 6649     | 3.421    | ug/l | 0.01     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 6.840%#  |
| 50) Toluene-d8              | 10.179 | 98    | 327811   | 45.907   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 91.820%  |
| 62) 4-Bromofluorobenzene    | 12.477 | 95    | 110773   | 41.068   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 82.140%  |

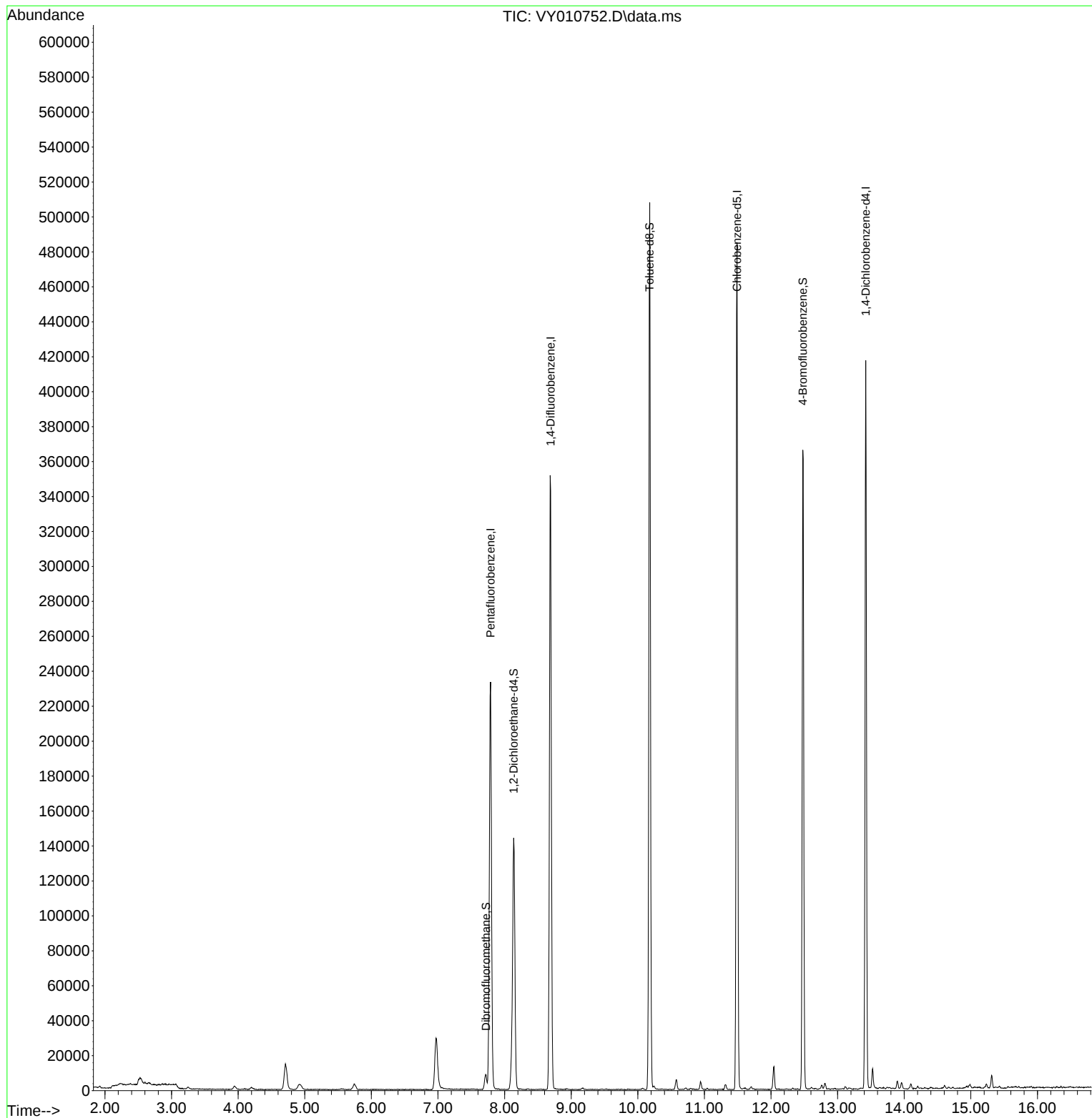
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

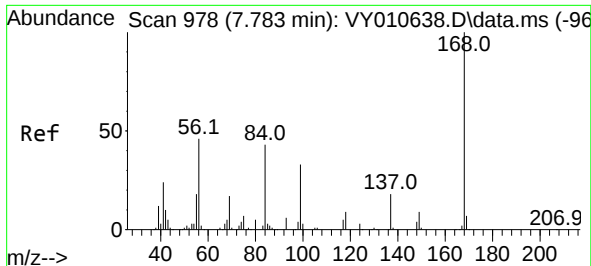
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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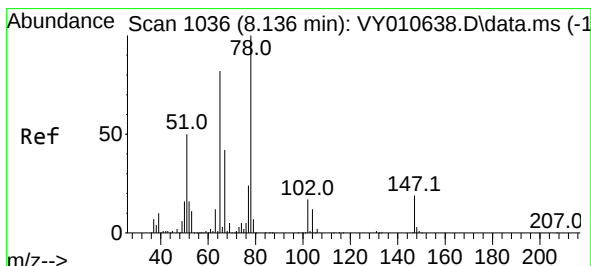
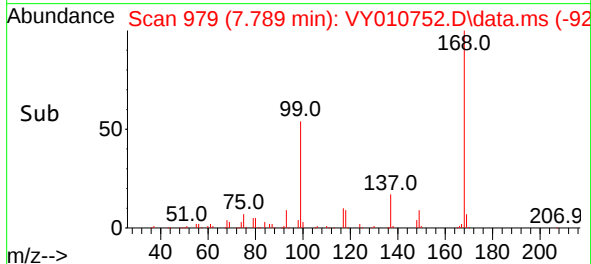
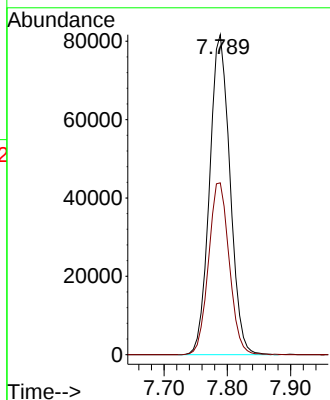
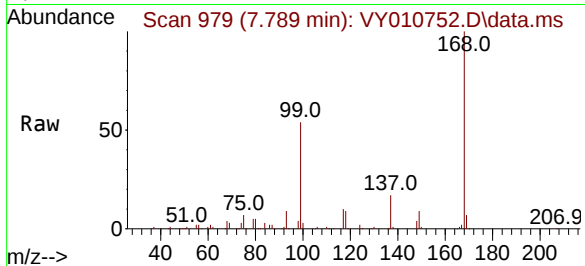




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.789 min Scan# 91  
Delta R.T. 0.006 min  
Lab File: VY010752.D  
Acq: 30 Sep 2022 16:16

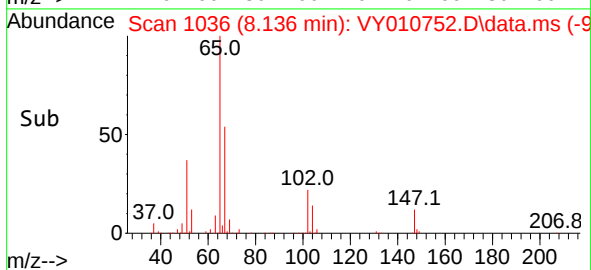
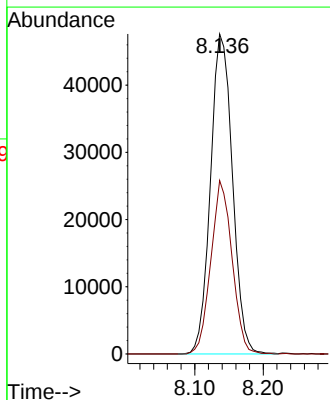
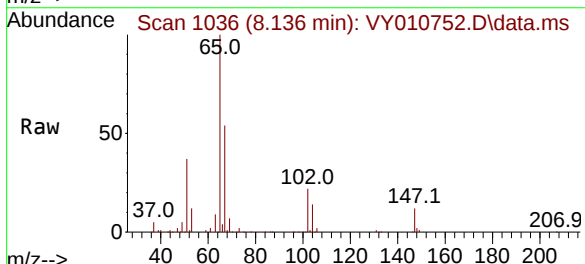
Instrument :  
MSVOA\_Y  
ClientSampleId :  
CRUSHED-MASONRY-PILE-9RE

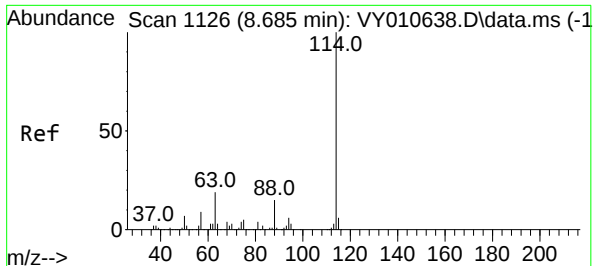
Tgt Ion:168 Resp: 183183  
Ion Ratio Lower Upper  
168 100  
99 53.7 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 60.439 ug/l  
RT: 8.136 min Scan# 1036  
Delta R.T. -0.001 min  
Lab File: VY010752.D  
Acq: 30 Sep 2022 16:16

Tgt Ion: 65 Resp: 105896  
Ion Ratio Lower Upper  
65 100  
67 52.3 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: VY010752.D

Acq: 30 Sep 2022 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-9RE

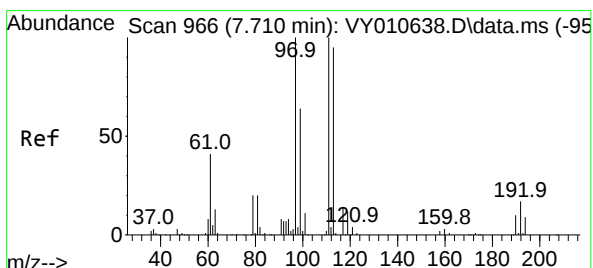
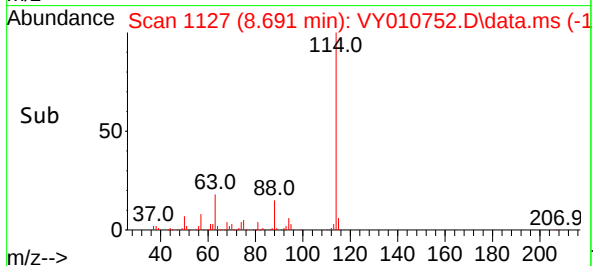
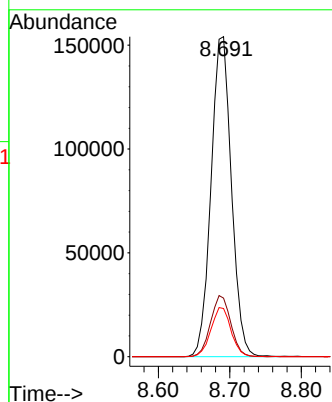
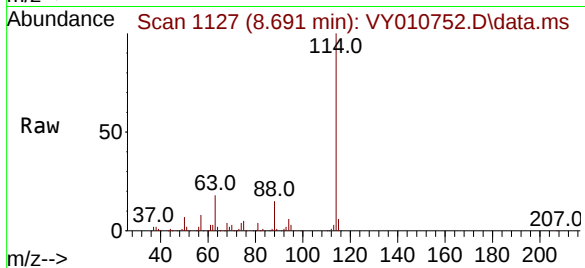
Tgt Ion:114 Resp: 304560

Ion Ratio Lower Upper

114 100

63 18.3 0.0 43.2

88 15.1 0.0 31.8



#35

Dibromofluoromethane

Concen: 3.421 ug/l

RT: 7.722 min Scan# 968

Delta R.T. 0.012 min

Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

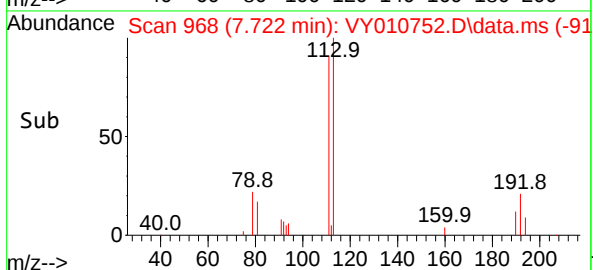
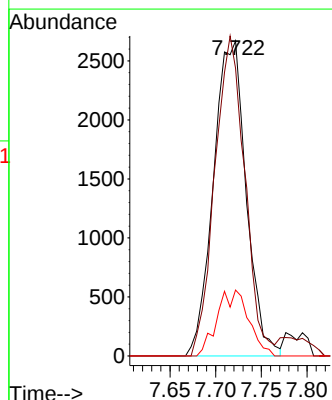
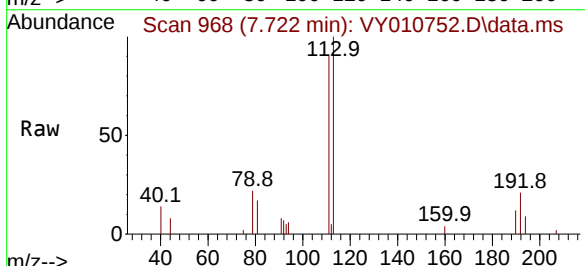
Tgt Ion:113 Resp: 6649

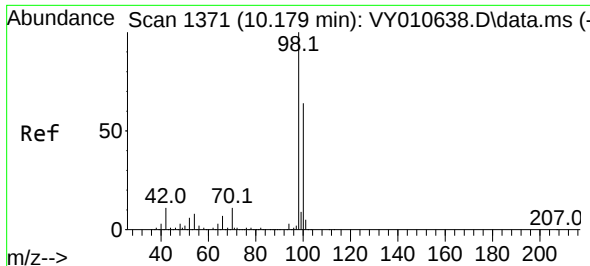
Ion Ratio Lower Upper

113 100

111 93.2 82.6 124.0

192 20.2 17.6 26.4

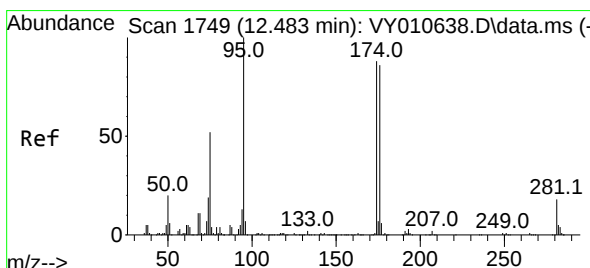
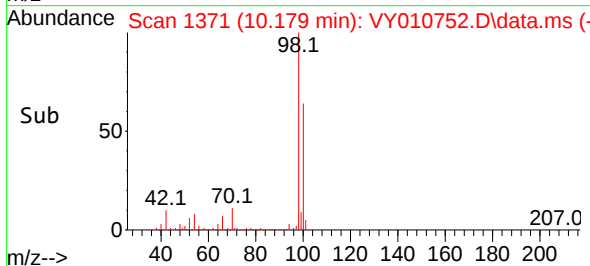
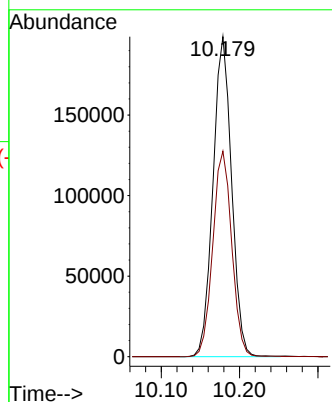
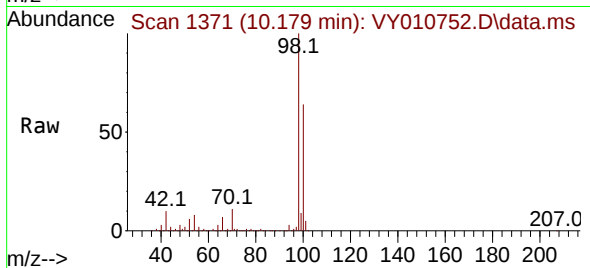




#50  
Toluene-d8  
Concen: 45.907 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. 0.006 min  
Lab File: VY010752.D  
Acq: 30 Sep 2022 16:16

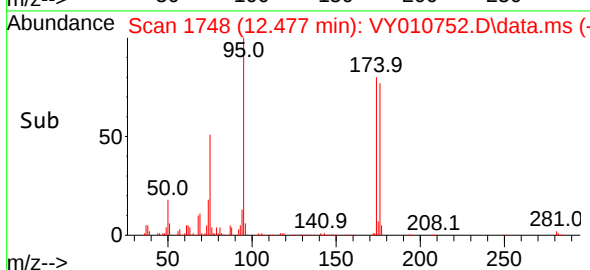
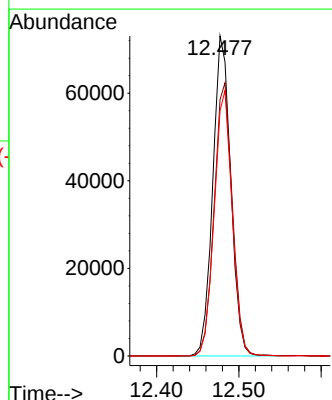
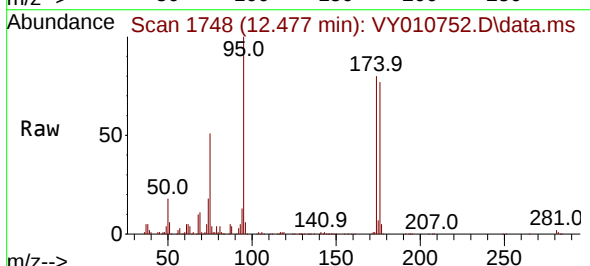
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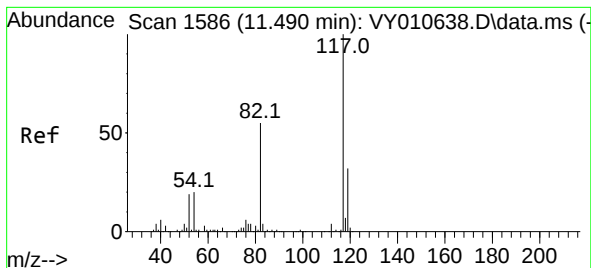
Tgt Ion: 98 Resp: 327811  
Ion Ratio Lower Upper  
98 100  
100 65.4 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 41.068 ug/l  
RT: 12.477 min Scan# 1748  
Delta R.T. 0.000 min  
Lab File: VY010752.D  
Acq: 30 Sep 2022 16:16

Tgt Ion: 95 Resp: 110773  
Ion Ratio Lower Upper  
95 100  
174 86.8 0.0 177.0  
176 83.1 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.001 min

Lab File: VY010752.D

Acq: 30 Sep 2022 16:16

Instrument :

MSVOA\_Y

ClientSampleId :

CRUSHED-MASONRY-PILE-9RE

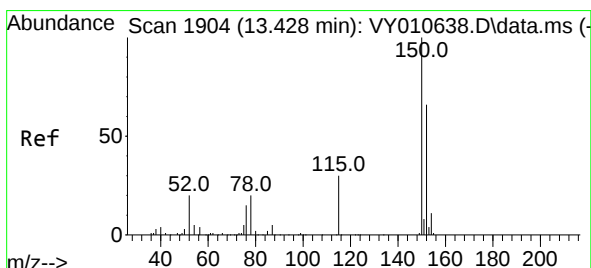
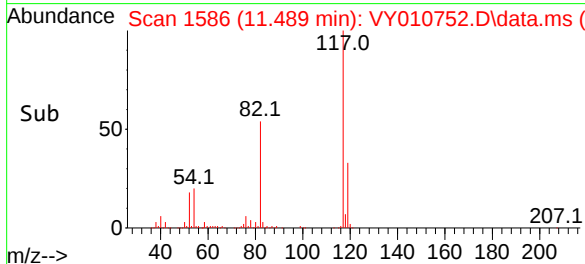
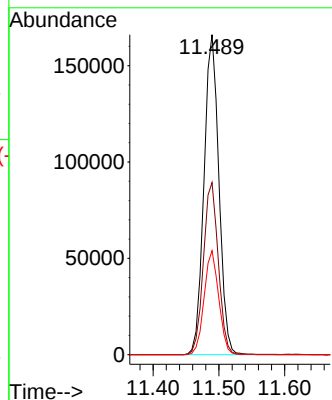
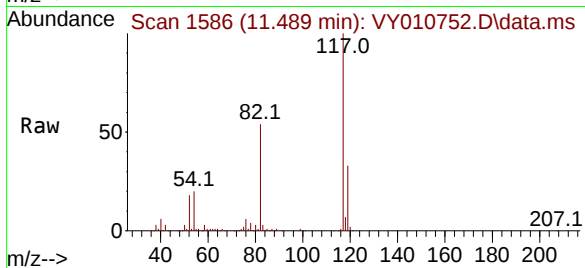
Tgt Ion:117 Resp: 262174

Ion Ratio Lower Upper

117 100

82 53.8 43.0 64.4

119 32.5 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: VY010752.D

Acq: 30 Sep 2022 16:16

Tgt Ion:152 Resp: 104036

Ion Ratio Lower Upper

152 100

115 59.0 28.2 84.7

150 159.3 0.0 347.6

