

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY111822\  
 Data File : VY011505.D  
 Acq On : 18 Nov 2022 16:37  
 Operator : KP/MD  
 Sample : N5641-18  
 Misc : 6.96g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 18 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SOIL-PILE-18

Quant Time: Nov 19 22:41:34 2022  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y111822S.M  
 Quant Title : SW846 8260  
 QLast Update : Sat Nov 19 22:37:14 2022  
 Response via : Initial Calibration

| Compound                   | R.T.   | QIon | Response | Conc   | Units | Dev(Min) |
|----------------------------|--------|------|----------|--------|-------|----------|
| -----                      |        |      |          |        |       |          |
| Internal Standards         |        |      |          |        |       |          |
| 1) Pentafluorobenzene      | 7.795  | 168  | 197190   | 50.000 | ug/l  | 0.00     |
| 34) 1,4-Difluorobenzene    | 8.691  | 114  | 369821   | 50.000 | ug/l  | 0.00     |
| 63) Chlorobenzene-d5       | 11.489 | 117  | 350466   | 50.000 | ug/l  | 0.00     |
| 72) 1,4-Dichlorobenzene-d4 | 13.428 | 152  | 154095   | 50.000 | ug/l  | 0.00     |

|                             |        |       |          |          |      |          |
|-----------------------------|--------|-------|----------|----------|------|----------|
| System Monitoring Compounds |        |       |          |          |      |          |
| 33) 1,2-Dichloroethane-d4   | 8.142  | 65    | 141329   | 70.585   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | =    | 141.160% |
| 35) Dibromofluoromethane    | 7.722  | 113   | 121441   | 53.343   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | =    | 106.680% |
| 50) Toluene-d8              | 10.179 | 98    | 452592   | 54.708   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 49 - 140 | Recovery | =    | 109.420% |
| 62) 4-Bromofluorobenzene    | 12.483 | 95    | 145851   | 47.683   | ug/l | 0.00     |
| Spiked Amount               | 50.000 | Range | 25 - 144 | Recovery | =    | 95.360%  |

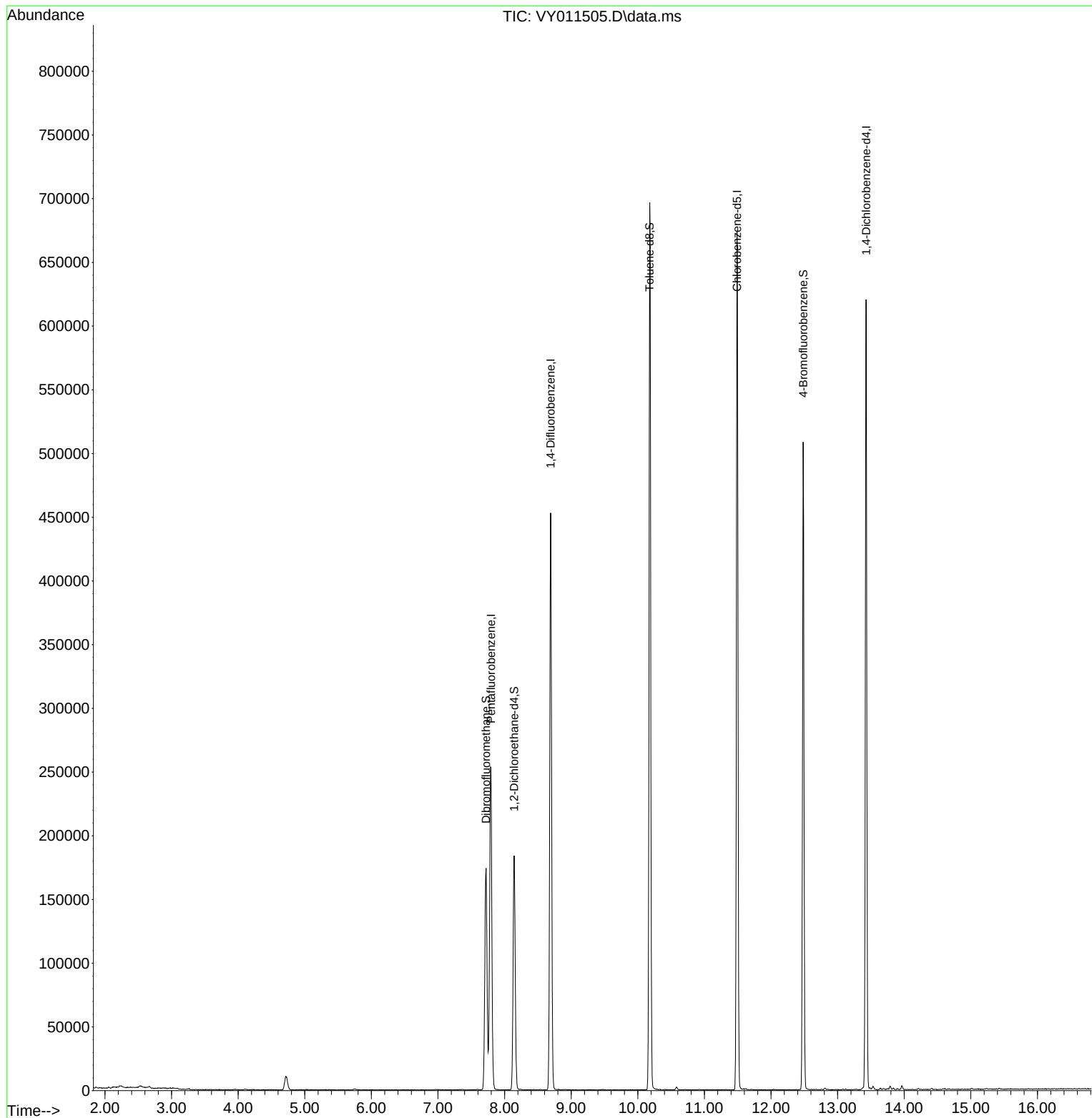
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

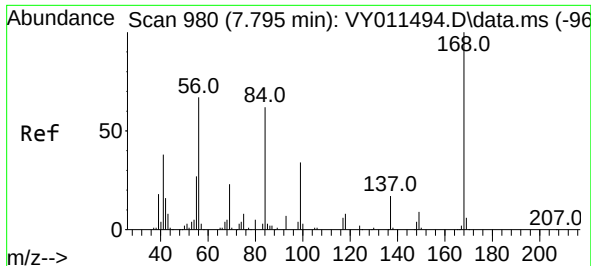
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 18 Sample Multiplier: 1

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QLast Update : Sat Nov 19 22:37:14 2022  
Response via : Initial Calibration

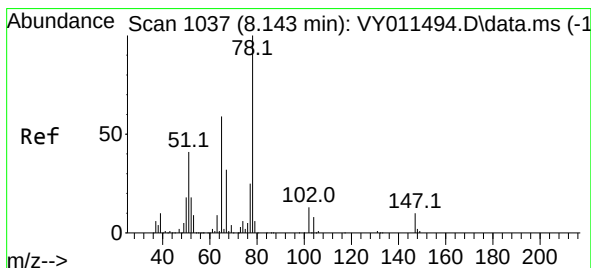
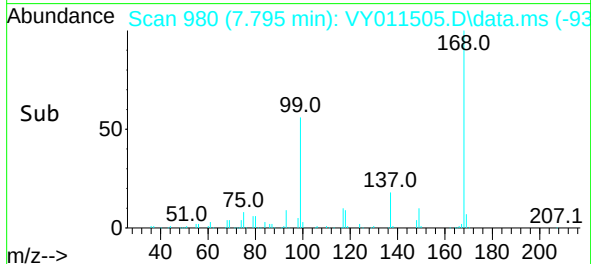
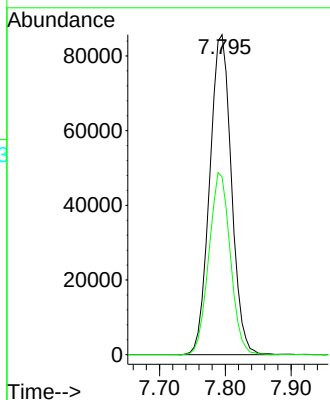
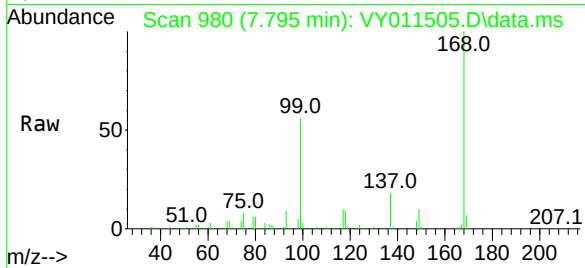




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.795 min Scan# 91  
Delta R.T. -0.000 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

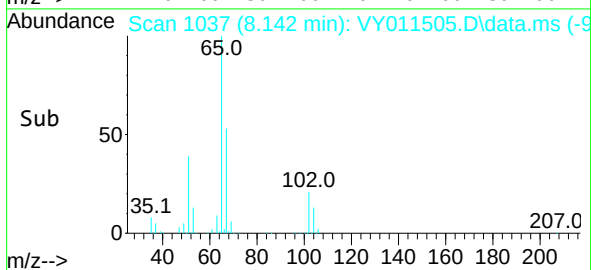
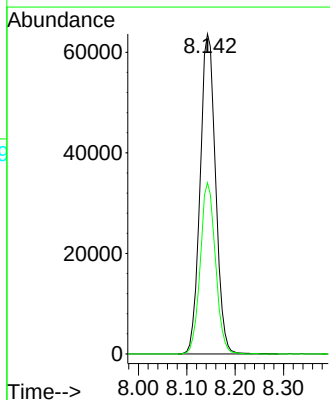
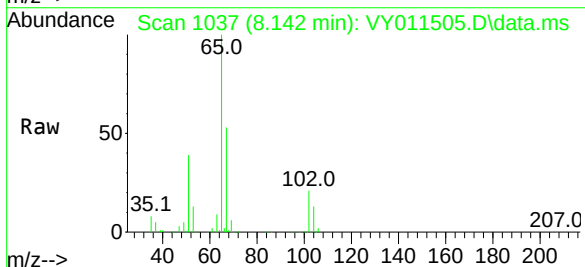
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SOIL-PILE-18

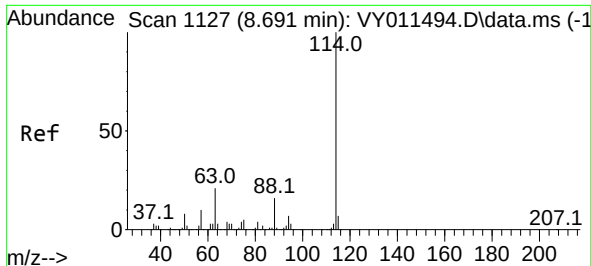
Tgt Ion:168 Resp: 197190  
Ion Ratio Lower Upper  
168 100  
99 55.6 46.9 70.3



#33  
1,2-Dichloroethane-d4  
Concen: 70.585 ug/l  
RT: 8.142 min Scan# 1037  
Delta R.T. -0.001 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

Tgt Ion: 65 Resp: 141329  
Ion Ratio Lower Upper  
65 100  
67 52.6 0.0 99.4

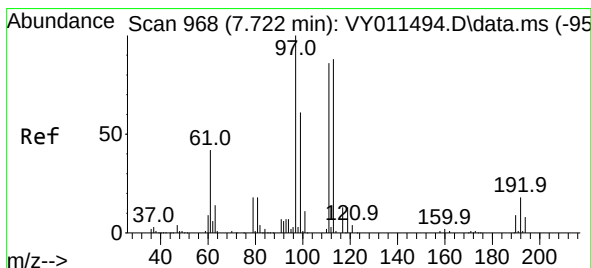
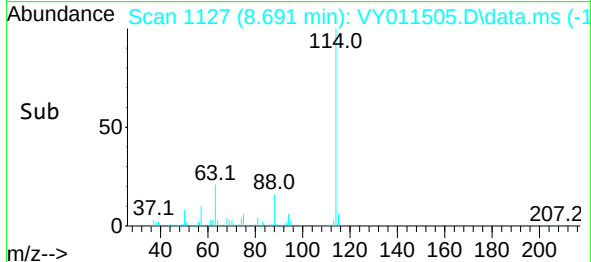
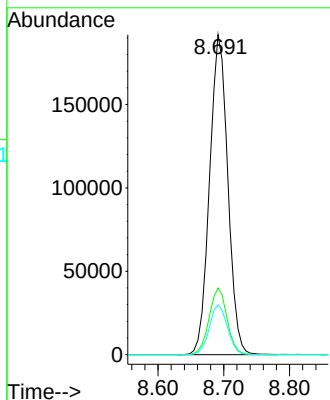
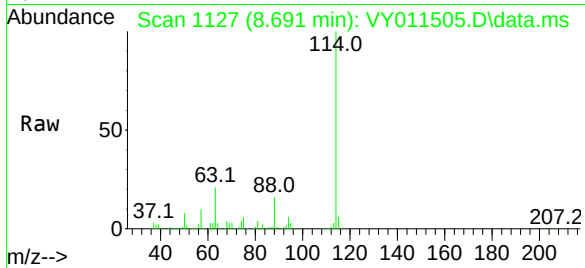




#34  
1,4-Difluorobenzene  
Concen: 50.000 ug/l  
RT: 8.691 min Scan# 1127  
Delta R.T. 0.000 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

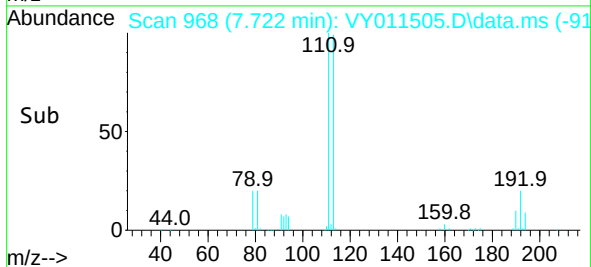
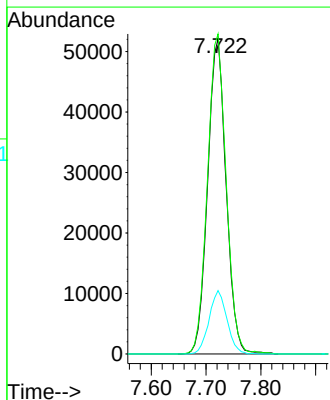
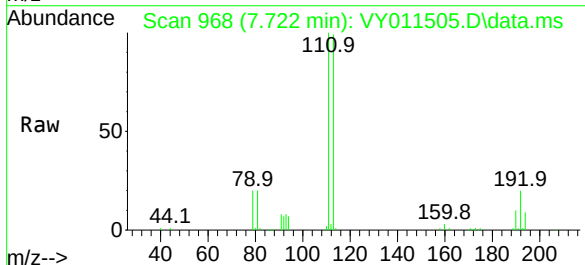
Instrument :  
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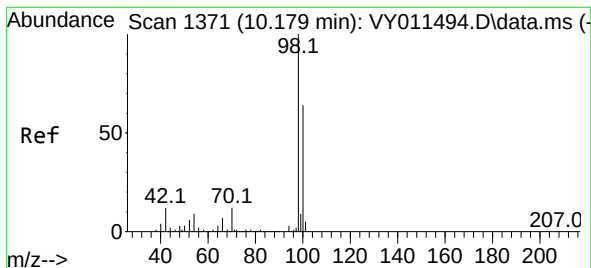
Tgt Ion:114 Resp: 369821  
Ion Ratio Lower Upper  
114 100  
63 20.9 0.0 43.2  
88 15.6 0.0 31.8



#35  
Dibromofluoromethane  
Concen: 53.343 ug/l  
RT: 7.722 min Scan# 968  
Delta R.T. -0.000 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

Tgt Ion:113 Resp: 121441  
Ion Ratio Lower Upper  
113 100  
111 103.0 82.6 124.0  
192 19.6 17.6 26.4

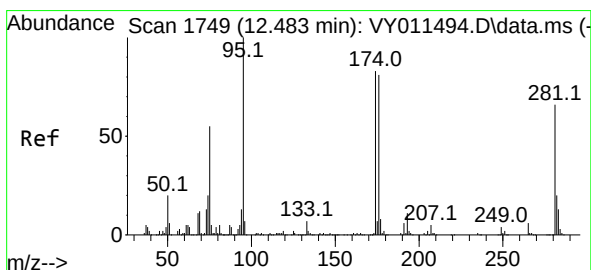
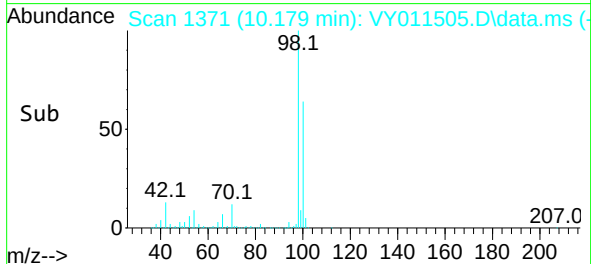
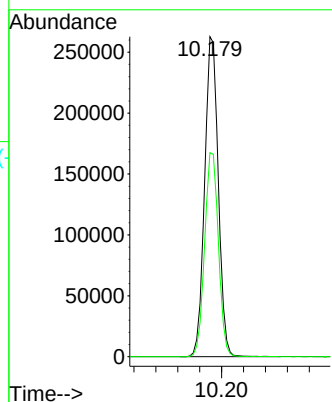
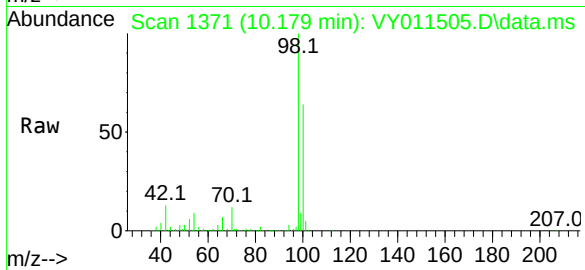




#50  
Toluene-d8  
Concen: 54.708 ug/l  
RT: 10.179 min Scan# 11  
Delta R.T. -0.000 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

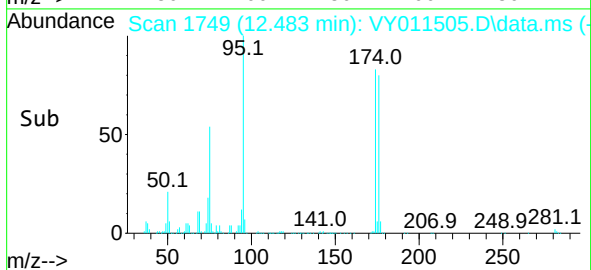
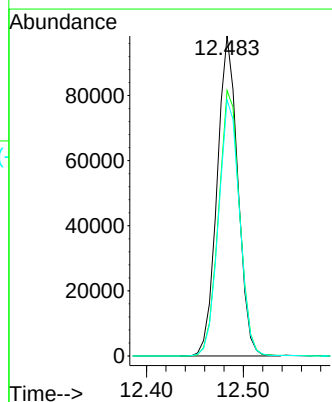
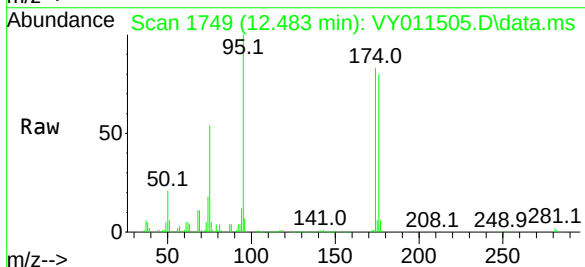
Instrument :  
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SOIL-PILE-18

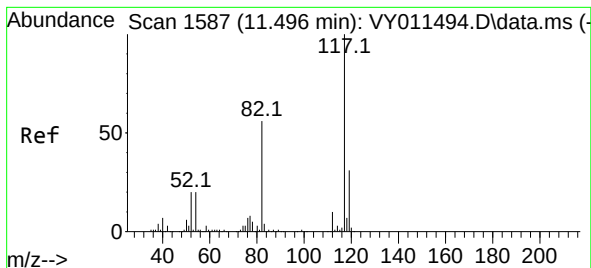
Tgt Ion: 98 Resp: 452592  
Ion Ratio Lower Upper  
98 100  
100 64.5 50.2 75.2



#62  
4-Bromofluorobenzene  
Concen: 47.683 ug/l  
RT: 12.483 min Scan# 1749  
Delta R.T. 0.000 min  
Lab File: VY011505.D  
Acq: 18 Nov 2022 16:37

Tgt Ion: 95 Resp: 145851  
Ion Ratio Lower Upper  
95 100  
174 84.4 0.0 177.0  
176 81.5 0.0 175.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.489 min Scan# 11

Delta R.T. -0.007 min

Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

Instrument :

MSVOA\_Y

ClientSampleId :

SOIL-PILE-18

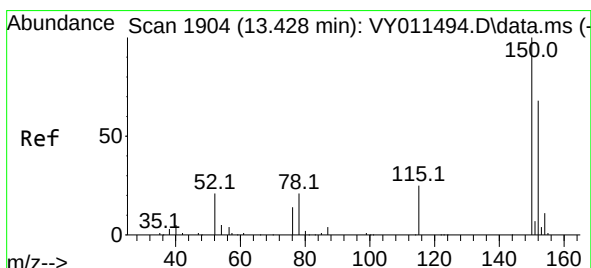
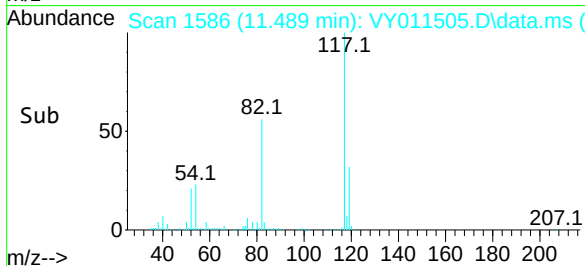
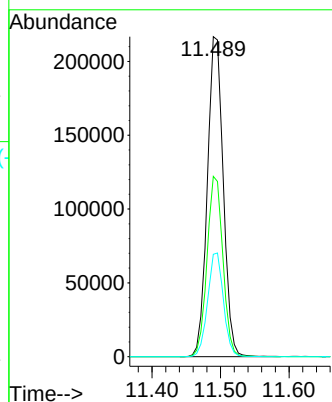
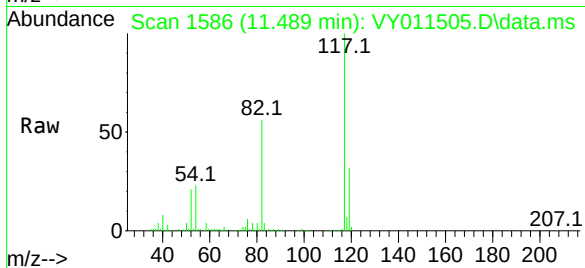
Tgt Ion:117 Resp: 350466

Ion Ratio Lower Upper

117 100

82 56.4 43.0 64.4

119 32.0 25.4 38.0



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.428 min Scan# 1904

Delta R.T. 0.000 min

Lab File: VY011505.D

Acq: 18 Nov 2022 16:37

Tgt Ion:152 Resp: 154095

Ion Ratio Lower Upper

152 100

115 57.7 28.2 84.7

150 156.4 0.0 347.6

