

Data Path : Z:\voasrv\HPCHEM1\MSVOA\_Y\Data\VY120123\  
 Data File : VY016562.D  
 Acq On : 01 Dec 2023 15:49  
 Operator : SY/MD  
 Sample : 05590-01  
 Misc : 5.08g/5.0mL/MSVOA\_Y/SOIL  
 ALS Vial : 13 Sample Multiplier: 1

Instrument :  
 MSVOA\_Y  
 ClientSampleId :  
 SH-SOIL-A

Quant Time: Dec 01 23:38:54 2023  
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA\_Y\methods\82Y112923S.M  
 Quant Title : SW846 8260  
 QLast Update : Thu Nov 30 03:28:04 2023  
 Response via : Initial Calibration

| Compound                    | R.T.   | QIon  | Response | Conc     | Units      | Dev(Min) |
|-----------------------------|--------|-------|----------|----------|------------|----------|
| -----                       |        |       |          |          |            |          |
| Internal Standards          |        |       |          |          |            |          |
| 1) Pentafluorobenzene       | 7.813  | 168   | 23425    | 50.000   | ug/l       | 0.00     |
| 34) 1,4-Difluorobenzene     | 8.709  | 114   | 35692    | 50.000   | ug/l       | 0.00     |
| 63) Chlorobenzene-d5        | 11.508 | 117   | 29544    | 50.000   | ug/l       | 0.00     |
| 72) 1,4-Dichlorobenzene-d4  | 13.446 | 152   | 8397     | 50.000   | ug/l       | 0.00     |
| System Monitoring Compounds |        |       |          |          |            |          |
| 33) 1,2-Dichloroethane-d4   | 8.161  | 65    | 9829     | 53.110   | ug/l       | -0.01    |
| Spiked Amount               | 50.000 | Range | 50 - 163 | Recovery | = 106.220% |          |
| 35) Dibromofluoromethane    | 7.740  | 113   | 10737    | 51.256   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 54 - 147 | Recovery | = 102.520% |          |
| 50) Toluene-d8              | 10.197 | 98    | 40629    | 50.006   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 58 - 134 | Recovery | = 100.020% |          |
| 62) 4-Bromofluorobenzene    | 12.501 | 95    | 9407     | 36.908   | ug/l       | 0.00     |
| Spiked Amount               | 50.000 | Range | 30 - 143 | Recovery | = 73.820%  |          |

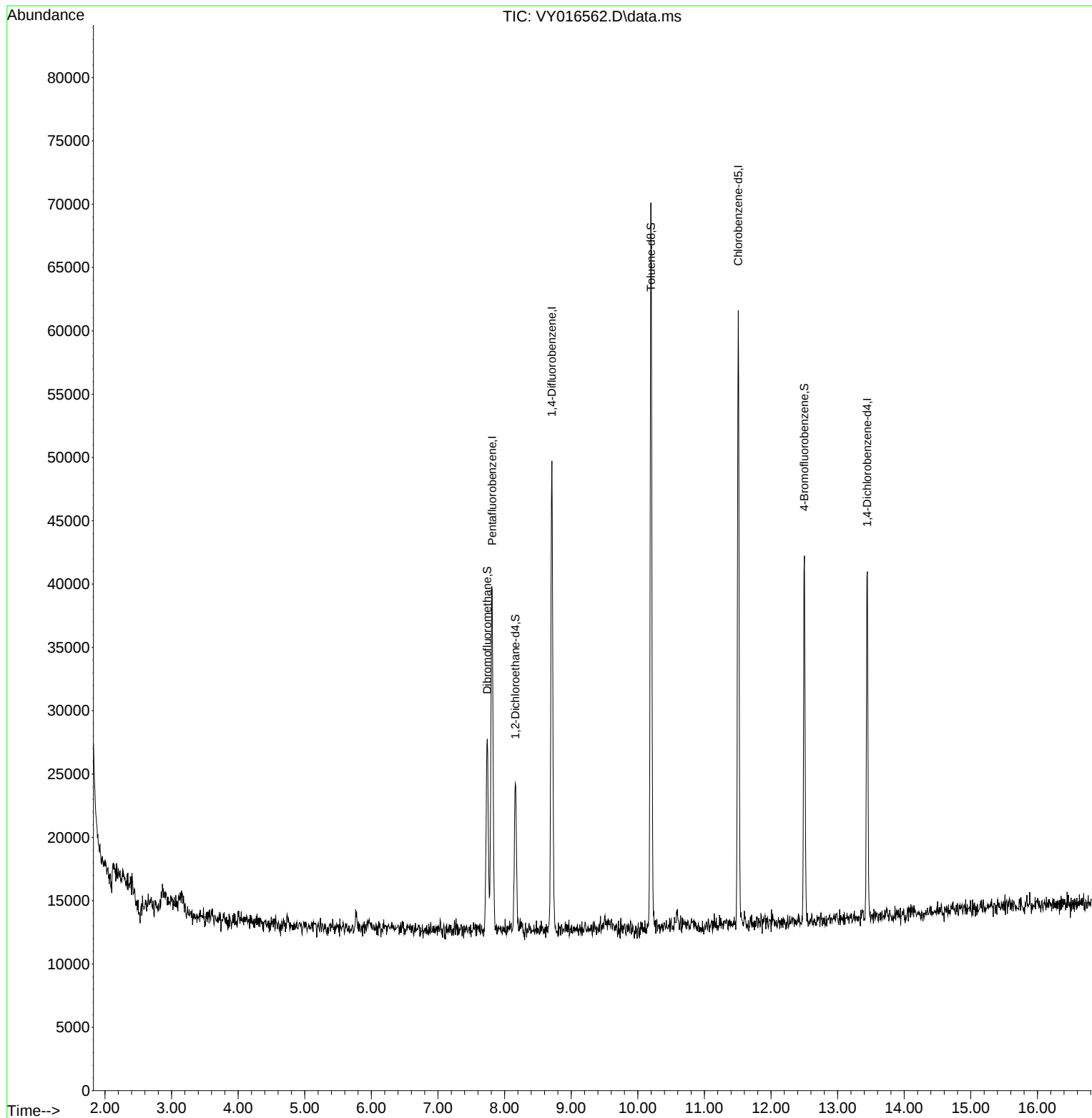
| Target Compounds | Qvalue |
|------------------|--------|
| -----            |        |

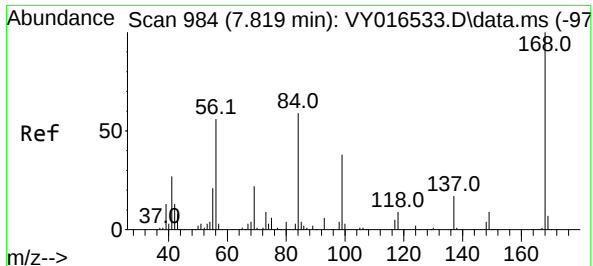
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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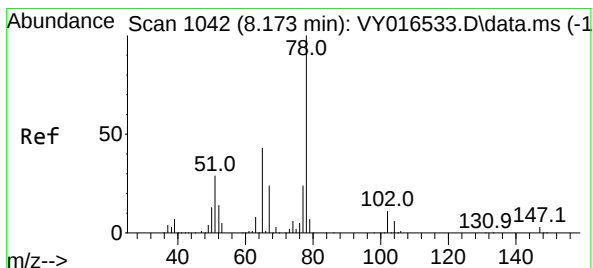
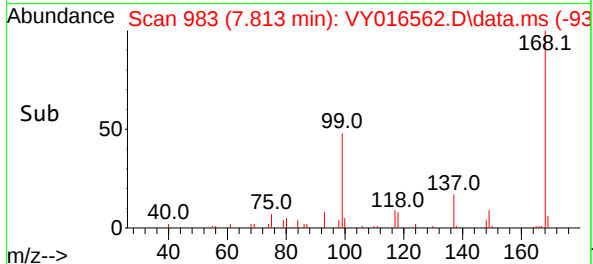
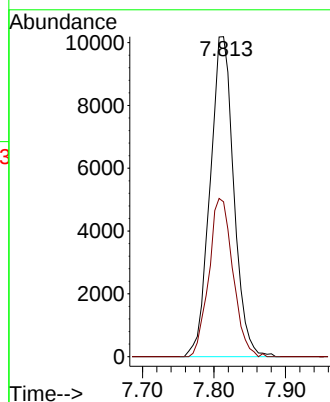
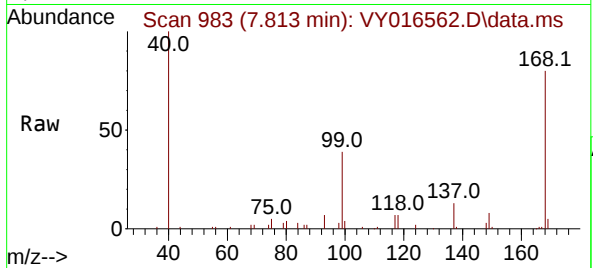




#1  
Pentafluorobenzene  
Concen: 50.000 ug/l  
RT: 7.813 min Scan# 99  
Delta R.T. -0.006 min  
Lab File: VY016562.D  
Acq: 01 Dec 2023 15:49

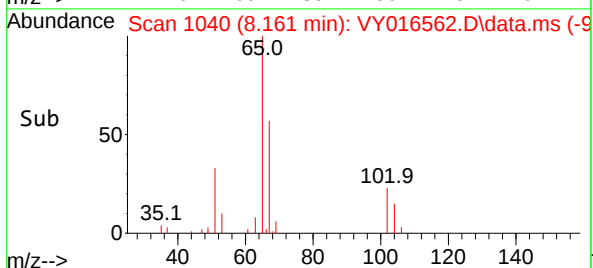
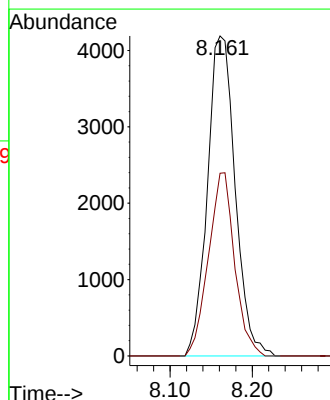
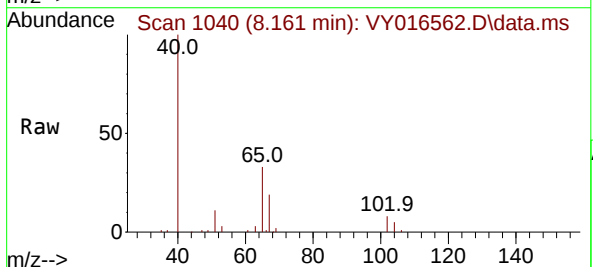
Instrument :  
MSVOA\_Y  
ClientSampleId :  
SH-SOIL-A

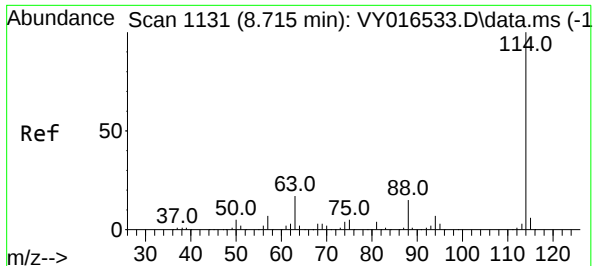
Tgt Ion:168 Resp: 23425  
Ion Ratio Lower Upper  
168 100  
99 48.4 43.4 65.0



#33  
1,2-Dichloroethane-d4  
Concen: 53.110 ug/l  
RT: 8.161 min Scan# 1040  
Delta R.T. -0.012 min  
Lab File: VY016562.D  
Acq: 01 Dec 2023 15:49

Tgt Ion: 65 Resp: 9829  
Ion Ratio Lower Upper  
65 100  
67 54.0 0.0 101.8





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.709 min Scan# 1131

Delta R.T. -0.006 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

SH-SOIL-A

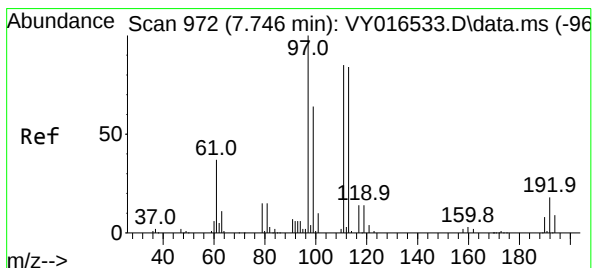
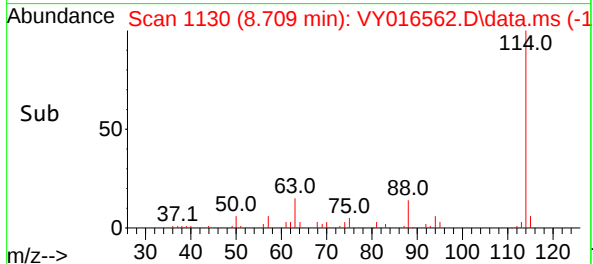
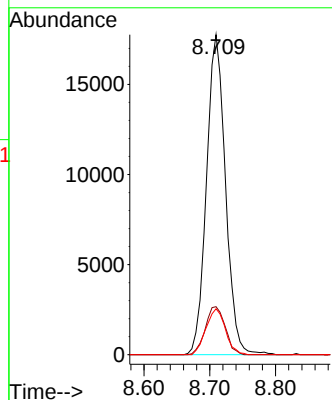
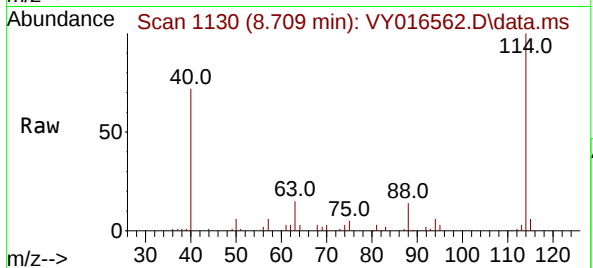
Tgt Ion:114 Resp: 35692

Ion Ratio Lower Upper

114 100

63 15.0 0.0 42.4

88 14.3 0.0 30.6



#35

Dibromofluoromethane

Concen: 51.256 ug/l

RT: 7.740 min Scan# 971

Delta R.T. -0.006 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

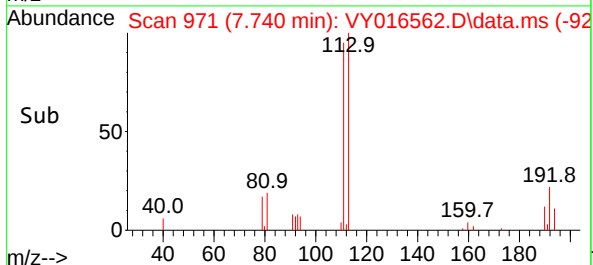
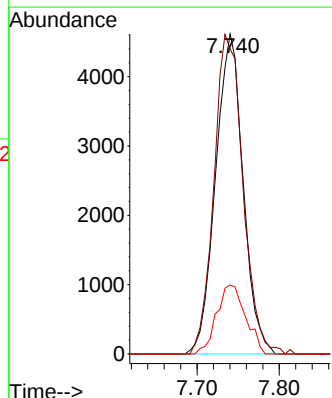
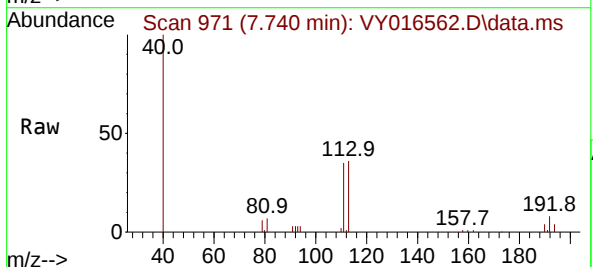
Tgt Ion:113 Resp: 10737

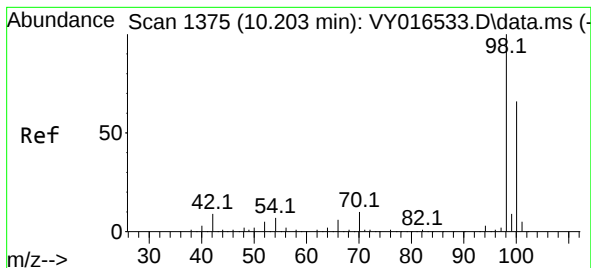
Ion Ratio Lower Upper

113 100

111 105.0 81.3 121.9

192 22.6 16.9 25.3





#50

Toluene-d8

Concen: 50.006 ug/l

RT: 10.197 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

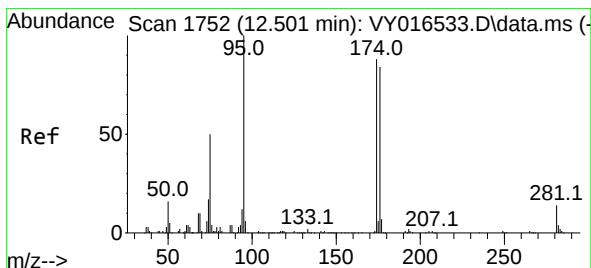
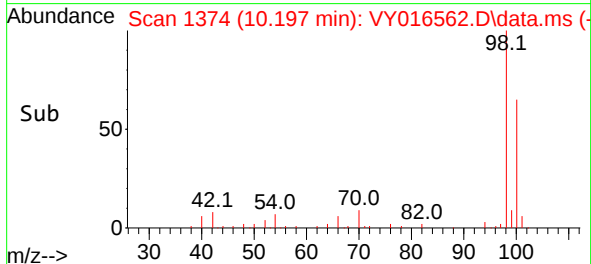
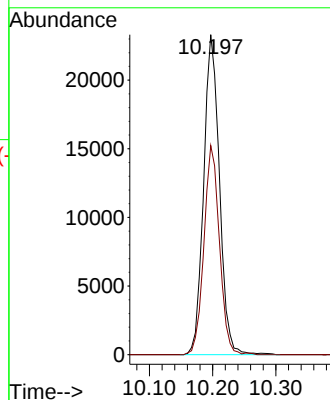
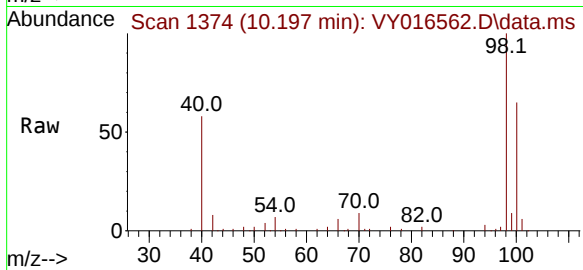
SH-SOIL-A

Tgt Ion: 98 Resp: 40629

Ion Ratio Lower Upper

98 100

100 64.1 50.1 75.1



#62

4-Bromofluorobenzene

Concen: 36.908 ug/l

RT: 12.501 min Scan# 1752

Delta R.T. 0.000 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

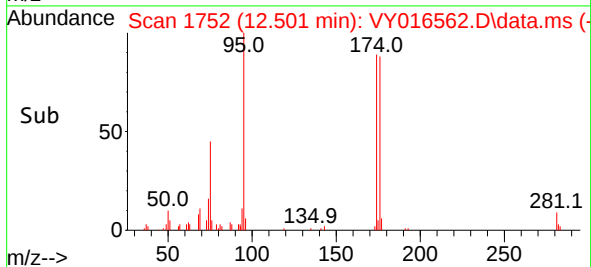
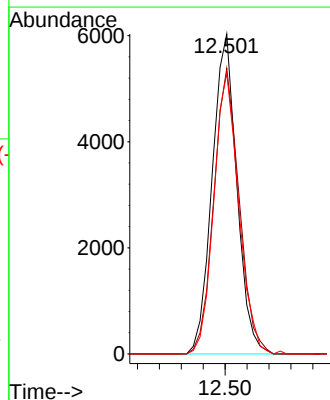
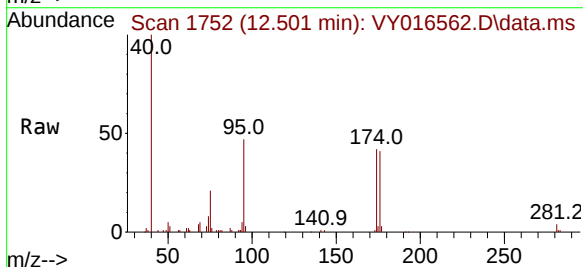
Tgt Ion: 95 Resp: 9407

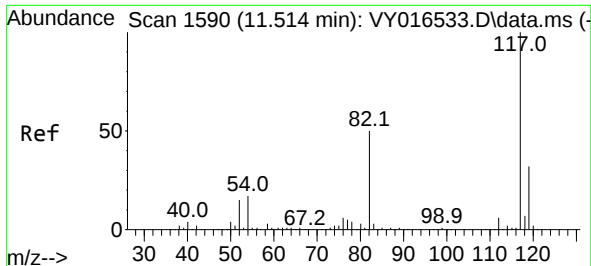
Ion Ratio Lower Upper

95 100

174 91.7 0.0 178.2

176 88.7 0.0 173.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.508 min Scan# 11

Delta R.T. -0.006 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

Instrument :

MSVOA\_Y

ClientSampleId :

SH-SOIL-A

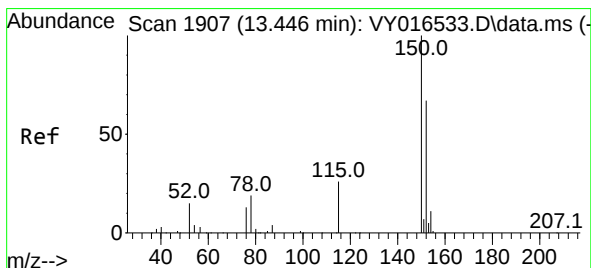
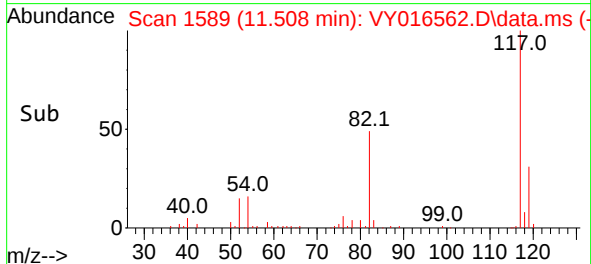
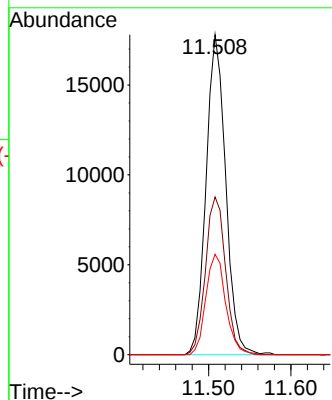
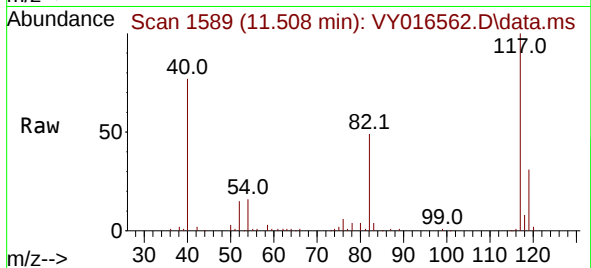
Tgt Ion:117 Resp: 29544

Ion Ratio Lower Upper

117 100

82 49.3 43.4 65.0

119 31.3 26.3 39.5



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.446 min Scan# 1907

Delta R.T. 0.000 min

Lab File: VY016562.D

Acq: 01 Dec 2023 15:49

Tgt Ion:152 Resp: 8397

Ion Ratio Lower Upper

152 100

115 54.9 28.8 86.5

150 156.0 0.0 348.8

